

*Documento n° 4: Estimación de
Presupuesto*

Hoja de control de calidad

Documento	Documento nº 4: Estimación de Presupuesto			
Proyecto	Proyecto de trazado y de construcción "Mejoras funcionales y de seguridad vial y medidas de integración ambiental de la autovía A-7. Tramo: Enlace con la CV-35 - Enlace con la V-30, p.k. 324 al p.k. 326,9"			
Código	RD6373-F3-PR-LE-D04			
Autores:	Firmado:	IBM	IBM	IBM
	Fecha:	04/09/23	31/05/23	21/12/22
Verificado	Firmado:	SGB	SGB	SGB
	Fecha:	05/09/23	31/05/23	22/12/22
Destinatario				
Notas	Respuesta comentarios Informe Supervisión Fase 3 agosto 2023			

Mediciones

Mediciones auxiliares

Demoliciones

ELEMENTOS FÁBRICA HORMIGÓN		
DEMOLICIÓN CUNETA HM	m3	301.0030
Localización		
Av. Industria- C.602		
Calzada D	23,9025	
Calzada I		
Mediana		
C.602-C. Paterna- Pla del Pou		
Calzada D	261,8835	
Calzada I	61,533	
Mediana	270,339	
C.Paterna-Pla del Pou - FFCC		
Calzada D	38,796	
Calzada I	44,733	
Mediana	328,197	
CV-35		
Desvío A7-CV35		
Desvío CV35-A7	16,6875	
Calzada D-CV35	41,4105	
Calzada I-CV35	48,162	
Puente AV Industria		
Calzada D	15,873	
Calzada I	35,259	
Mediana	22,86	
Pasos Superiores		
Av. Industria	1,8015	
C.602	9,0135	
C. Paterna-Pla del Pou	5,538	
PANTALLA ACÚSTICA	m3	301.0030
Localización		
C.Paterna-Pla del Pou - FFCC		
Calzada D	548,415	
CANALETAS PREF. HORM	m3	301.0030
Localización		
C.602-C. Paterna- Pla del Pou		
Calzada D	0,86	
Calzada I	1,60	
C.Paterna-Pla del Pou - FFCC		
Calzada I	3,55	
Pasos Superiores		
Av. Industria	2,15	
C.602	2,31	
C. Paterna-Pla del Pou	2,05	
CV35		
CV35-A7	1,53	
NEW JERSEY	m3	301.0030
NEWJERSEY	1043,2752	

ARQUETAS	m3	301.0030
Localización		
CV35	7,48	
Av. Industria- C.602	1,32	
C.602-C. Paterna- Pla del Pou	1,76	
C.Paterna-Pla del Pou - FFCC	2,2	
BORDILLO	m	301.0110
BORDILLO	1313,68	

PRISMAS ALUMBRADO	m	301.0110
Localización		
Calzada D	55,382	
Calzada I	65,818	
Calzada D Entrada CV35	38,628	
Calzada I Salida CV35	40,36	
Calzada D PS Industria-Puente CV35	35,076	
Calzada I PS Industria Puente CV35	39,274	

ELEMENTOS SEÑALIZACIÓN, PROTECCIÓN Y OTROS

VALLA SIMPLE TORSIÓN	m	301.0120
Localización		
Av. Industria- C.602		
Calzada D	385,6	
Calzada I	381,1	
C.602-C. Paterna- Pla del Pou		
Calzada D	1296	
Calzada I	1311	
C.Paterna-Pla del Pou - FFCC		
Calzada D	247,26	
Calzada I	818,4	

BIONDA	m	301.0130
BIONDA	7740,3	

Desbroce

***** * * * D E S B R O C E S * * * *****									
PK inicial		:		0.000					
PK final		:		2885.404					
P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	
	-PLANTA-	--REAL--	-PLANTA-	--REAL--					
0.000	16.953	16.976	0.000	0.000	0.000	0.000	0.000	0.000	
5.000	6.343	6.366	0.000	0.000	58.239	0.000	58.354	0.000	
10.000	6.329	6.349	0.000	0.000	89.918	0.000	90.143	0.000	
15.000	6.284	6.289	0.000	0.000	121.448	0.000	121.739	0.000	
20.000	6.276	6.286	0.000	0.000	152.846	0.000	153.177	0.000	
25.000	6.196	6.207	0.000	0.000	184.023	0.000	184.411	0.000	
30.000	6.231	6.242	0.000	0.000	215.089	0.000	215.533	0.000	
35.000	6.203	6.213	0.000	0.000	246.173	0.000	246.669	0.000	
37.241	6.160	6.168	0.000	0.000	260.024	0.000	260.542	0.000	
40.000	6.108	6.121	0.000	0.000	276.948	0.000	277.495	0.000	
45.000	6.112	6.120	0.000	0.000	307.498	0.000	308.096	0.000	
50.000	5.925	5.930	0.000	0.000	337.592	0.000	338.221	0.000	
55.000	5.885	5.889	0.000	0.000	367.116	0.000	367.769	0.000	
60.000	5.886	5.897	0.000	0.000	396.543	0.000	397.232	0.000	
65.000	5.821	5.823	0.000	0.000	425.812	0.000	426.532	0.000	
70.000	5.943	5.943	0.000	0.000	455.222	0.000	455.946	0.000	
75.000	16.540	16.544	0.000	0.000	511.429	0.000	512.165	0.000	
80.000	0.706	0.706	0.000	0.000	554.546	0.000	555.292	0.000	
85.000	0.455	0.455	0.000	0.000	557.450	0.000	558.196	0.000	
86.907	0.370	0.370	0.000	0.000	558.236	0.000	558.983	0.000	
90.000	0.248	0.249	0.000	0.000	559.193	0.000	559.939	0.000	
95.000	0.066	0.066	0.000	0.000	559.979	0.000	560.726	0.000	
98.491	0.000	0.000	0.000	0.000	560.094	0.000	560.841	0.000	
100.000	0.000	0.000	0.000	0.000	560.094	0.000	560.841	0.000	
105.000	0.000	0.000	0.000	0.000	560.094	0.000	560.841	0.000	
110.000	0.000	0.000	0.000	0.000	560.094	0.000	560.841	0.000	
115.000	0.332	0.332	0.000	0.000	560.925	0.000	561.672	0.000	
120.000	0.686	0.686	0.000	0.000	563.472	0.000	564.219	0.000	
125.000	1.027	1.027	0.000	0.000	567.754	0.000	568.503	0.000	
130.000	1.331	1.332	0.000	0.000	573.648	0.000	574.402	0.000	
135.000	1.640	1.649	0.000	0.000	581.076	0.000	581.855	0.000	
140.000	1.947	1.949	0.000	0.000	590.043	0.000	590.851	0.000	
145.000	2.212	2.215	0.000	0.000	600.439	0.000	601.261	0.000	
146.907	2.330	2.333	0.000	0.000	604.770	0.000	605.597	0.000	
150.000	2.538	2.542	0.000	0.000	612.299	0.000	613.137	0.000	
155.000	2.812	2.816	0.000	0.000	625.676	0.000	626.532	0.000	
160.000	3.093	3.097	0.000	0.000	640.439	0.000	641.315	0.000	

EJE: 1: CALZADA IZQUIERDA

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* * * D E S B R O C E S * * *
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PK inicial : 0.000
PK final : 2885.404

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
165.000	3.389	3.393	0.000	0.000	656.642	0.000	657.539	0.000
170.000	3.700	3.705	0.000	0.000	674.364	0.000	675.285	0.000
175.000	4.013	4.025	0.000	0.000	693.645	0.000	694.610	0.000
180.000	4.268	4.280	0.000	0.000	714.347	0.000	715.373	0.000
185.000	4.529	4.544	0.000	0.000	736.340	0.000	737.435	0.000
190.000	4.777	4.795	0.000	0.000	759.605	0.000	760.781	0.000
195.000	5.070	5.088	0.000	0.000	784.223	0.000	785.487	0.000
200.000	5.300	5.319	0.000	0.000	810.149	0.000	811.503	0.000
205.000	5.587	5.608	0.000	0.000	837.368	0.000	838.819	0.000
206.907	5.689	5.717	0.000	0.000	848.120	0.000	849.617	0.000
210.000	5.846	5.871	0.000	0.000	865.959	0.000	867.537	0.000
215.000	6.083	6.120	0.000	0.000	895.783	0.000	897.515	0.000
220.000	6.343	6.388	0.000	0.000	926.848	0.000	928.787	0.000
225.000	6.572	6.631	0.000	0.000	959.135	0.000	961.336	0.000
230.000	6.813	6.856	0.000	0.000	992.599	0.000	995.053	0.000
235.000	7.029	7.047	0.000	0.000	1027.204	0.000	1029.810	0.000
240.000	7.284	7.302	0.000	0.000	1062.986	0.000	1065.683	0.000
245.000	7.559	7.619	0.000	0.000	1100.094	0.000	1102.987	0.000
250.000	7.856	7.901	0.000	0.000	1138.632	0.000	1141.789	0.000
255.000	8.166	8.187	0.000	0.000	1178.687	0.000	1182.010	0.000
260.000	8.481	8.523	0.000	0.000	1220.306	0.000	1223.784	0.000
265.000	8.715	8.736	0.000	0.000	1263.296	0.000	1266.932	0.000
270.000	9.012	9.041	0.000	0.000	1307.614	0.000	1311.375	0.000
275.000	9.269	9.299	0.000	0.000	1353.317	0.000	1357.226	0.000
280.000	9.534	9.569	0.000	0.000	1400.323	0.000	1404.396	0.000
285.000	9.788	9.838	0.000	0.000	1448.627	0.000	1452.914	0.000
290.000	10.020	10.062	0.000	0.000	1498.147	0.000	1502.665	0.000
295.000	10.259	10.316	0.000	0.000	1548.845	0.000	1553.609	0.000
300.000	10.483	10.537	0.000	0.000	1600.699	0.000	1605.740	0.000
305.000	10.708	10.764	0.000	0.000	1653.675	0.000	1658.993	0.000
310.000	10.610	10.680	0.305	0.345	1706.968	0.762	1712.604	0.861
315.000	10.549	10.620	0.570	0.608	1759.865	2.950	1765.855	3.243
320.000	10.488	10.575	0.846	0.874	1812.457	6.490	1818.842	6.949
325.000	10.414	10.485	1.130	1.145	1864.711	11.429	1871.493	11.997
330.000	10.360	10.425	1.424	1.451	1916.648	17.815	1923.768	18.487
335.000	10.246	10.309	1.727	1.737	1968.163	25.694	1975.602	26.459
335.806	10.224	10.284	1.777	1.783	1976.412	27.107	1983.901	27.877

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* * * D E S B R O C E S * * *
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PK inicial : 0.000
PK final : 2885.404

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
340.000	10.118	10.174	2.039	2.041	2019.070	35.110	2026.802	35.896
345.000	10.072	10.137	2.361	2.369	2069.546	46.111	2077.581	46.922
350.000	9.977	10.035	2.692	2.719	2119.669	58.743	2128.011	59.641
355.000	8.646	8.720	4.232	4.391	2166.225	76.053	2174.898	77.415
360.000	8.606	8.692	4.499	4.808	2209.356	97.880	2218.427	100.414
362.901	2.288	2.335	0.000	0.000	2225.158	104.406	2234.422	107.389
362.911	2.288	2.336	0.000	0.000	2225.181	104.406	2234.445	107.389
365.000	2.344	2.377	0.000	0.000	2230.020	104.406	2239.368	107.389
370.000	2.482	2.528	0.000	0.000	2242.086	104.406	2251.629	107.389
375.000	2.577	2.611	0.000	0.000	2254.735	104.406	2264.477	107.389
380.000	2.769	2.819	0.000	0.000	2268.101	104.406	2278.052	107.389
385.000	2.822	2.867	0.000	0.000	2282.077	104.406	2292.265	107.389
390.000	3.066	3.111	0.000	0.000	2296.796	104.406	2307.209	107.389
395.000	3.307	3.375	0.000	0.000	2312.728	104.406	2323.424	107.389
400.000	3.492	3.561	0.000	0.000	2329.726	104.406	2340.764	107.389
405.000	3.657	3.745	0.000	0.000	2347.599	104.406	2359.030	107.389
410.000	3.875	3.942	0.000	0.000	2366.427	104.406	2378.248	107.389
413.284	4.036	4.080	0.000	0.000	2379.416	104.406	2391.420	107.389
415.000	4.050	4.088	0.000	0.000	2386.354	104.406	2398.428	107.389
420.000	4.338	4.375	0.000	0.000	2407.323	104.406	2419.585	107.389
425.000	4.668	4.709	0.000	0.000	2429.838	104.406	2442.295	107.389
428.703	4.886	4.939	0.000	0.000	2447.527	104.406	2460.160	107.389
430.000	4.949	4.997	0.000	0.000	2453.905	104.406	2466.604	107.389
435.000	5.281	5.368	0.000	0.000	2479.481	104.406	2492.516	107.389
440.000	5.576	5.638	0.000	0.000	2506.625	104.406	2520.031	107.389
445.000	5.867	5.943	0.000	0.000	2535.232	104.406	2548.984	107.389
450.000	6.355	6.446	0.000	0.000	2565.787	104.406	2579.957	107.389
455.000	6.728	6.861	0.038	0.046	2598.493	104.500	2613.225	107.503
460.000	6.675	6.746	0.480	0.534	2632.000	105.795	2647.243	108.951
465.000	6.626	6.723	1.070	1.121	2665.252	109.670	2680.916	113.086
467.295	5.703	5.785	2.212	2.360	2679.400	113.436	2695.269	117.080
470.000	5.701	5.803	2.446	2.569	2694.824	119.735	2710.942	123.746
473.284	5.736	5.829	2.655	2.758	2713.605	128.110	2730.042	132.493
475.000	5.750	5.838	2.784	2.886	2723.460	132.777	2740.053	137.335
480.000	5.723	5.819	3.313	3.390	2752.142	148.021	2769.195	153.025
485.000	5.721	5.799	3.768	3.854	2780.752	165.725	2798.238	171.134
486.838	5.727	5.799	3.935	4.009	2791.273	172.803	2808.897	178.359

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 DESBROCES
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PK inicial : 0.000
 PK final : 2885.404

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
490.000	5.715	5.794	4.162	4.221	2809.362	185.604	2827.225	191.371
495.000	5.673	5.743	4.602	4.640	2837.832	207.514	2856.065	213.525
500.000	5.690	5.759	5.036	5.049	2866.240	231.611	2884.820	237.749
505.000	5.376	5.479	5.700	5.858	2893.907	258.452	2912.916	265.018
510.000	5.425	5.522	6.083	6.185	2920.910	287.909	2940.419	295.125
515.000	5.426	5.539	6.465	6.552	2948.038	319.279	2968.072	326.967
520.000	5.408	5.518	6.848	6.935	2975.123	352.563	2995.716	360.685
525.000	5.406	5.534	7.231	7.329	3002.159	387.762	3023.347	396.346
530.000	5.397	5.516	7.615	7.705	3029.167	424.877	3050.973	433.932
533.284	5.374	5.484	7.866	7.959	3046.854	450.296	3069.036	459.653
535.000	5.357	5.458	7.998	8.084	3056.062	463.908	3078.424	473.418
539.495	8.607	8.739	8.343	8.419	3087.446	500.633	3110.333	510.508
540.000	8.577	8.706	8.381	8.457	3091.785	504.855	3114.738	514.770
540.000	8.577	8.706	8.381	8.457	3091.785	504.855	3114.738	514.770
545.000	7.829	7.985	9.213	9.307	3132.799	548.840	3156.467	559.181
550.000	7.569	7.696	9.558	9.631	3171.294	595.767	3195.669	606.527
555.000	7.288	7.411	9.903	9.988	3208.436	644.418	3233.435	655.575
560.000	7.039	7.209	10.248	10.365	3244.254	694.794	3269.983	706.457
565.000	6.787	6.968	10.592	10.710	3278.818	746.894	3305.425	759.143
570.000	6.526	6.681	10.885	10.986	3312.100	800.587	3339.548	813.383
575.000	6.313	6.459	11.115	11.195	3344.199	855.586	3372.398	868.837
580.000	6.090	6.226	11.341	11.428	3375.207	911.725	3404.111	925.396
585.000	5.914	6.068	11.563	11.649	3405.217	968.985	3434.845	983.089
590.000	4.970	5.114	12.487	12.593	3432.426	1029.110	3462.801	1043.693
595.000	4.827	4.972	12.673	12.772	3456.918	1092.011	3488.016	1107.104
600.000	4.651	4.814	12.854	12.944	3480.614	1155.829	3512.481	1171.394
605.000	4.475	4.636	13.032	13.147	3503.429	1220.545	3536.108	1236.623
610.000	4.299	4.474	13.205	13.400	3525.363	1286.138	3558.883	1302.992
615.000	4.123	4.303	13.374	13.648	3546.416	1352.586	3580.825	1370.612
620.000	3.947	4.106	13.539	14.061	3566.589	1419.870	3601.846	1439.885
625.000	3.854	4.001	13.617	14.400	3586.089	1487.759	3622.114	1511.039
630.000	3.594	3.742	13.856	14.626	3604.709	1556.442	3641.472	1583.604
632.786	3.498	3.653	13.942	14.718	3614.589	1595.165	3651.773	1624.480
635.000	3.236	3.410	14.204	15.024	3622.044	1626.322	3659.591	1657.404
640.000	3.410	3.566	14.030	14.694	3638.659	1696.908	3677.032	1731.699
645.000	3.402	3.548	14.007	14.580	3655.689	1767.001	3694.817	1804.885
650.000	3.397	3.555	14.007	14.576	3672.687	1837.036	3712.575	1877.776

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 DESBROCES
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PK inicial : 0.000
PK final : 2885.404

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
655.000	3.358	3.531	14.031	14.658	3689.575	1907.129	3730.291	1950.861
660.000	3.232	3.438	14.145	14.724	3706.050	1977.569	3747.712	2024.318
661.997	3.293	3.461	14.084	14.652	3712.565	2005.755	3754.600	2053.650
665.000	3.406	3.535	13.965	14.537	3722.623	2047.871	3765.105	2097.477
670.000	3.101	3.272	14.265	14.786	3738.892	2118.447	3782.124	2170.786
675.000	3.565	3.740	13.794	14.250	3755.559	2188.596	3799.656	2243.377
680.000	3.602	3.828	13.816	14.303	3773.478	2257.622	3818.577	2314.761
685.000	3.127	3.199	14.226	14.751	3790.300	2327.725	3836.145	2387.397
690.000	3.157	3.225	14.246	14.752	3806.010	2398.905	3852.205	2461.152
692.786	3.183	3.251	14.228	14.738	3814.842	2438.570	3861.226	2502.230
695.000	3.201	3.272	14.215	14.729	3821.908	2470.057	3868.447	2534.849
700.000	3.244	3.310	14.172	14.635	3838.019	2541.024	3884.902	2608.258
705.000	3.202	3.263	14.219	14.656	3854.134	2612.002	3901.336	2681.484
710.000	3.082	3.146	14.332	14.715	3869.846	2683.379	3917.358	2754.911
715.000	2.532	2.595	14.871	15.211	3883.880	2756.386	3931.712	2829.727
720.000	3.012	3.088	14.371	14.752	3897.739	2829.492	3945.921	2904.634
725.000	3.033	3.124	14.327	14.695	3912.852	2901.238	3961.451	2978.252
730.000	2.942	3.027	14.390	14.723	3927.790	2973.032	3976.827	3051.799
735.000	2.784	2.903	14.525	14.855	3942.106	3045.319	3991.651	3125.742
740.000	2.645	2.687	14.709	15.049	3955.679	3118.404	4005.626	3200.500
745.000	2.290	2.335	17.529	17.864	3968.018	3199.000	4018.180	3282.781
750.000	2.222	2.256	17.491	17.850	3979.300	3286.550	4029.657	3372.065
752.786	2.363	2.390	17.272	17.699	3985.686	3334.975	4036.128	3421.584
755.000	2.446	2.482	17.109	17.562	3991.010	3373.033	4041.521	3460.619
760.000	2.703	2.735	16.653	17.182	4003.883	3457.437	4054.564	3547.481
765.000	2.885	2.909	16.310	16.852	4017.853	3539.845	4068.674	3632.567
770.000	2.898	2.918	16.167	16.686	4032.310	3621.040	4083.240	3716.413
775.000	2.706	2.731	16.251	16.708	4046.319	3702.086	4097.362	3799.898
780.000	2.620	2.657	16.370	16.798	4059.633	3783.637	4110.830	3883.663
785.000	2.219	2.256	16.822	17.191	4071.730	3866.616	4123.111	3968.638
790.000	2.122	2.160	16.718	17.095	4082.583	3950.464	4134.151	4054.353
795.000	2.013	2.048	16.557	16.959	4092.921	4033.652	4144.671	4139.489
800.000	2.026	2.045	16.185	16.437	4103.018	4115.508	4154.903	4222.980
820.000	1.913	1.918	15.413	15.617	4142.404	4431.494	4194.538	4543.521
825.000	2.052	2.067	15.024	15.201	4152.317	4507.586	4204.502	4620.568
830.000	2.123	2.140	14.733	14.884	4162.756	4581.977	4215.020	4695.781
835.000	1.883	1.896	14.783	14.932	4172.772	4655.767	4225.112	4770.322

Istram 22.08.08.11 05/12/22 12:40:32 200207
PROYECTO :
EJE: 1: CALZADA IZQUIERDA

* * * D E S B R O C E S * * *

PK inicial : 0.000

PK final : 2885.404

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
840.000	1.605	1.614	14.871	14.981	4181.493	4729.903	4233.888	4845.104
845.000	1.595	1.600	14.616	14.706	4189.493	4803.620	4241.924	4919.320
850.000	1.540	1.544	14.393	14.475	4197.331	4876.141	4249.784	4992.272
855.000	15.625	15.654	0.000	0.000	4240.245	4912.124	4292.778	5028.459
860.000	15.310	16.297	0.000	0.000	4317.582	4912.124	4372.654	5028.459
865.000	15.186	15.187	0.000	0.000	4393.822	4912.124	4451.364	5028.459
870.000	15.204	15.204	0.000	0.000	4469.798	4912.124	4527.342	5028.459
874.790	15.220	17.376	0.000	0.000	4542.663	4912.124	4605.372	5028.459
875.000	15.221	17.330	0.000	0.000	4545.859	4912.124	4609.016	5028.459
878.974	13.606	14.694	1.252	1.252	4603.139	4914.611	4672.649	5030.947
880.000	13.606	15.030	1.632	1.676	4617.098	4916.091	4687.897	5032.449
885.000	14.960	15.374	0.302	0.303	4688.514	4920.926	4763.907	5037.399
890.000	7.130	7.194	8.160	8.219	4743.739	4942.081	4820.325	5058.704
895.000	2.391	2.398	12.884	13.069	4767.540	4994.691	4844.304	5111.922
900.000	1.837	1.848	13.425	14.316	4778.108	5060.464	4854.918	5180.384
905.000	1.865	1.884	13.480	15.120	4787.364	5127.728	4864.248	5253.973
910.000	2.746	2.784	12.644	13.404	4798.892	5193.039	4875.918	5325.281
915.000	2.767	2.788	12.704	13.378	4812.673	5256.411	4889.849	5392.236
920.000	2.740	2.755	12.798	13.471	4826.439	5320.167	4903.707	5459.358
940.000	2.512	2.560	24.294	25.010	4878.956	5691.086	4956.849	5844.170
945.000	2.640	2.686	24.170	24.885	4891.834	5812.246	4969.962	5968.908
950.000	2.670	2.718	24.127	24.856	4905.109	5932.989	4983.472	6093.261
955.000	2.791	2.836	24.084	24.745	4918.763	6053.517	4997.357	6217.264
960.000	2.932	2.983	24.004	24.668	4933.069	6173.737	5011.905	6340.796
965.000	3.113	3.186	23.867	24.528	4948.181	6293.413	5027.327	6463.786
970.000	3.325	3.392	23.682	24.362	4964.277	6412.286	5043.773	6586.011
975.000	3.539	3.604	23.532	24.268	4981.438	6530.321	5061.264	6707.587
980.000	3.865	3.912	23.254	23.995	4999.949	6647.285	5080.054	6828.245
985.000	3.948	3.990	23.202	23.842	5019.482	6763.425	5099.810	6947.837
990.000	3.883	3.929	23.282	23.885	5039.059	6879.635	5119.609	7067.154
994.623	3.932	3.983	23.232	23.771	5057.123	6987.151	5137.898	7177.311
995.000	3.940	3.992	23.222	23.762	5058.607	6995.908	5139.402	7186.271
1000.000	4.144	4.196	23.008	23.456	5078.817	7111.483	5159.872	7304.316
1005.000	4.573	4.616	22.584	22.817	5100.610	7225.463	5181.900	7419.999
1010.000	5.263	5.306	21.884	22.023	5125.200	7336.633	5206.705	7532.099
1015.000	4.823	4.860	22.297	22.411	5150.415	7447.085	5232.121	7643.185
1020.000	6.059	6.079	21.018	21.047	5177.619	7555.372	5259.469	7751.831

Istram 22.08.08.11 05/12/22 12:40:32 200207
PROYECTO :
EJE: 1: CALZADA IZQUIERDA

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* * * D E S B R O C E S * * *
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PK inicial : 0.000
PK final : 2885.404

DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
-----	-PLANTA-	--REAL--	-PLANTA-	--REAL--	-----	-----	-----	-----	-----	-----	-----
1190.000	2.058	2.076	23.303	24.302	6749.323	10384.936	6834.326	10614.456			
1195.000	1.787	1.809	23.540	24.626	6758.937	10502.042	6844.038	10736.776			
1200.000	1.631	1.655	23.652	24.949	6767.483	10620.021	6852.698	10860.714			
1205.000	1.570	1.593	23.720	25.446	6775.486	10738.450	6860.817	10986.702			
1210.000	1.553	1.573	23.740	25.491	6783.295	10857.099	6868.731	11114.046			
1215.000	1.397	1.419	23.889	25.879	6790.670	10976.171	6876.210	11242.472			
1220.000	1.351	1.373	23.966	26.098	6797.539	11095.809	6883.188	11372.416			
1225.000	1.356	1.378	24.019	26.048	6804.305	11215.772	6890.066	11502.781			
1230.000	1.336	1.359	24.085	25.732	6811.033	11336.033	6896.910	11632.230			
1235.000	1.304	1.329	24.154	25.426	6817.633	11456.631	6903.631	11760.125			
1240.000	1.267	1.291	24.217	25.240	6824.062	11577.557	6910.180	11886.791			
1245.000	1.465	1.486	24.024	24.750	6830.891	11698.160	6917.121	12011.766			
1250.000	1.717	1.738	23.765	24.169	6838.845	11817.633	6925.182	12134.063			
1255.000	1.938	1.955	23.526	23.850	6847.981	11935.861	6934.416	12254.111			
1260.000	2.697	2.714	22.738	23.118	6859.568	12051.523	6946.088	12371.531			
1265.000	3.293	3.308	22.152	22.537	6874.543	12163.749	6961.143	12485.667			
1270.000	3.457	3.471	22.019	22.293	6891.417	12274.178	6978.092	12597.742			
1275.000	3.223	3.238	22.275	22.536	6908.117	12384.913	6994.866	12709.815			
1280.000	3.141	3.157	22.368	22.691	6924.026	12496.519	7010.854	12822.883			
1285.000	2.880	2.898	22.629	22.870	6939.078	12609.009	7025.990	12936.785			
1290.000	2.513	2.531	23.007	23.202	6952.561	12723.097	7039.562	13051.966			
1295.000	2.059	2.085	23.474	23.645	6963.990	12839.298	7051.104	13169.083			
1300.000	2.108	2.127	23.427	23.561	6974.407	12956.551	7061.635	13287.098			
1305.000	3.435	3.452	22.093	22.237	6988.265	13070.351	7075.583	13401.593			
1310.000	6.532	6.545	18.978	19.194	7013.182	13173.028	7100.576	13505.169			
1315.000	7.079	7.086	18.402	18.638	7047.209	13266.479	7134.655	13599.748			
1320.000	6.501	6.509	18.941	19.157	7081.160	13359.838	7168.644	13694.235			
1325.000	5.484	5.491	19.958	20.164	7111.123	13457.086	7198.645	13792.538			
1330.000	4.730	4.738	20.736	20.984	7136.659	13558.820	7224.218	13895.408			
1335.000	7.277	7.293	18.204	18.529	7166.678	13656.171	7254.297	13994.191			
1340.000	8.582	8.587	16.903	17.318	7206.325	13743.940	7293.997	14083.808			
1345.000	7.597	7.603	17.883	18.642	7246.771	13830.905	7334.471	14173.706			
1350.000	2.465	2.478	22.997	23.351	7271.926	13933.104	7359.673	14278.688			
1355.000	0.581	0.594	24.951	25.143	7279.542	14052.973	7367.353	14399.922			
1360.000	0.390	0.400	25.227	25.477	7281.970	14178.418	7369.839	14526.471			
1365.000	0.072	0.075	25.619	25.814	7283.126	14305.532	7371.028	14654.696			
1370.000	0.000	0.000	25.755	25.898	7283.307	14433.967	7371.216	14783.975			

Istram 22.08.08.11 05/12/22 12:40:32 200207
PROYECTO :
EJE: 1: CALZADA IZQUIERDA

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* * * D E S B R O C E S * * *
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PK inicial : 0.000
PK final : 2885.404

P. K.	ANCHOS OCUPADOS		AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
-----	-PLANTA-	--REAL--	-PLANTA-	--REAL--	-----	-----

pagi na 9

EJE: 1: CALZADA I ZQUI ERDA

PK inicial : 0.000
PK final : 2885.404

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	PLANTA-	REAL--	PLANTA-	REAL--				
1561.736	3.126	3.171	16.364	16.851	7411.034	18479.393	7502.869	18982.194
1565.000	3.118	3.150	16.489	16.976	7421.224	18533.009	7513.185	19037.400

pagi na 10

EJE: 1: CALZADA IZQUIERDA

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P. K. -----

	DESMONTE		TERRAPLEN			DESMONTE		TERRAPLEN			DESMONTE		TERRAPLEN	
-----	-PLANTA-	--REAL--	-PLANTA-	--REAL--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1749.365	0.234	0.247	44.079	44.402		7473.556		22453.216		7566.307		23068.494		
1750.000	0.196	0.208	44.100	44.416		7473.692		22481.213		7566.451		23096.694		
1755.000	0.061	0.065	44.446	44.784		7474.335		22702.578		7567.132		23319.695		
1760.000	0.118	0.127	43.594	44.060		7474.785		22922.678		7567.612		23541.806		

1765.000	2.509	2.518	40.769	41.170	7481.353	23133.584	7574.225	23754.881
1770.000	0.524	0.543	42.889	43.218	7488.936	23342.727	7581.877	23965.851
1775.000	6.234	6.249	36.564	36.781	7505.829	23541.358	7598.855	24165.849
1780.000	9.056	9.079	33.127	33.285	7544.053	23715.585	7637.174	24341.016
1785.000	13.305	13.365	29.013	29.286	7599.954	23870.933	7693.283	24497.444
1790.000	12.943	12.971	29.455	29.734	7665.574	24017.102	7759.122	24644.993
1795.000	12.778	12.791	29.707	29.938	7729.878	24165.007	7823.527	24794.171
1800.000	12.363	12.375	30.035	30.251	7792.730	24314.362	7886.444	24944.641
1800.990	12.148	12.169	30.091	30.205	7804.863	24344.124	7898.594	24974.567
1805.000	23.582	23.632	18.575	18.836	7876.501	24441.700	7970.375	25072.894
1810.000	21.518	21.569	20.527	20.891	7989.252	24539.457	8083.377	25172.210
1815.000	17.812	17.849	24.241	24.477	8087.578	24651.378	8181.920	25285.628
1820.000	17.374	17.423	24.795	25.003	8175.544	24773.969	8270.099	25409.327
1825.000	17.479	17.517	24.445	24.624	8262.677	24897.069	8357.449	25533.393
1830.000	20.425	20.478	21.679	21.747	8357.438	25012.378	8452.436	25649.320
1835.000	28.963	29.008	13.264	13.306	8480.909	25099.734	8576.152	25736.952
1840.000	35.987	36.154	6.071	6.139	8643.284	25148.071	8739.057	25785.565
1845.000	42.100	42.107	0.000	0.000	8838.500	25163.248	8934.711	25800.913
1850.000	41.917	42.014	0.000	0.000	9048.543	25163.248	9145.015	25800.913
1855.000	38.124	38.197	3.702	3.707	9248.645	25172.504	9345.544	25810.180
1860.000	36.521	36.568	5.108	5.122	9435.259	25194.530	9532.458	25832.253
1865.000	36.854	36.922	4.647	4.659	9618.697	25218.919	9716.184	25856.707
1870.000	40.457	40.509	1.171	1.175	9811.973	25233.463	9909.763	25871.292
1875.000	38.727	38.771	3.173	3.174	10009.931	25244.321	10107.962	25882.165
1880.000	41.969	41.975	0.000	0.000	10211.670	25252.254	10309.828	25890.101
1885.000	41.974	42.015	0.000	0.000	10421.529	25252.254	10519.802	25890.101
1890.000	39.858	39.945	0.000	0.000	10626.110	25252.254	10724.700	25890.101
1895.000	41.516	41.533	0.000	0.000	10829.546	25252.254	10928.395	25890.101
1900.000	41.219	41.280	0.000	0.000	11036.384	25252.254	11135.428	25890.101
1905.000	41.144	41.221	0.000	0.000	11242.292	25252.254	11341.682	25890.101
1910.000	42.960	43.010	0.000	0.000	11452.553	25252.254	11552.258	25890.101
1912.583	42.858	42.924	0.000	0.000	11563.386	25252.254	11663.242	25890.101
1915.000	42.768	42.814	0.000	0.000	11666.865	25252.254	11766.856	25890.101



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* * * D E S B R O C E S * * *

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PK inicial	:	0.000						
PK final	:	2885.404						
	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
P. K.	-----				-----		-----	
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
1920.000	42.566	42.629	0.000	0.000	11880.201	25252.254	11980.466	25890.101
1925.000	42.599	42.662	0.000	0.000	12093.114	25252.254	12193.693	25890.101
1930.000	42.532	42.612	0.000	0.000	12305.942	25252.254	12406.876	25890.101
1935.000	42.348	42.440	0.000	0.000	12518.143	25252.254	12619.506	25890.101
1940.000	42.184	42.233	0.000	0.000	12729.474	25252.254	12831.188	25890.101
1945.000	42.134	42.261	0.000	0.000	12940.271	25252.254	13042.422	25890.101

1950.000	41.879	42.098	0.000	0.000	13150.305	25252.254	13253.321	25890.101
1955.000	41.662	41.859	0.000	0.000	13359.159	25252.254	13463.213	25890.101
1960.000	41.430	41.660	0.000	0.000	13566.890	25252.254	13672.011	25890.101
1965.000	41.217	41.429	0.000	0.000	13773.508	25252.254	13879.734	25890.101
1970.000	41.392	41.654	0.000	0.000	13980.031	25252.254	14087.442	25890.101
1975.000	41.258	41.587	0.000	0.000	14186.657	25252.254	14295.545	25890.101
1980.000	41.074	41.440	0.000	0.000	14392.487	25252.254	14503.112	25890.101
1985.000	41.011	41.476	0.000	0.000	14597.700	25252.254	14710.402	25890.101
1990.000	40.977	41.510	0.000	0.000	14802.672	25252.254	14917.867	25890.101
1995.000	38.350	38.910	2.609	2.631	15000.990	25258.775	15118.917	25896.679
2000.000	37.854	38.619	2.758	2.888	15191.502	25272.191	15312.738	25910.477
2005.000	40.829	41.297	0.000	0.000	15388.211	25279.085	15512.527	25917.697
2010.000	41.391	41.874	0.000	0.000	15593.761	25279.085	15720.455	25917.697
2015.000	41.333	41.798	0.000	0.000	15800.571	25279.085	15929.635	25917.697
2016.932	41.297	41.820	0.000	0.000	15880.391	25279.085	16010.410	25917.697
2020.000	41.213	41.786	0.000	0.000	16006.961	25279.085	16138.661	25917.697
2030.000	38.884	39.615	2.460	2.461	16407.450	25291.386	16545.663	25930.003
2035.000	38.917	39.588	2.440	2.461	16601.952	25303.638	16743.669	25942.307
2040.000	39.434	40.083	2.214	2.248	16797.828	25315.273	16942.846	25954.079
2045.000	39.799	40.469	1.955	2.003	16995.908	25325.695	17144.226	25964.706
2050.000	41.996	42.654	0.000	0.000	17200.395	25330.582	17352.034	25969.713
2055.000	39.397	40.079	0.000	0.000	17403.877	25330.582	17558.868	25969.713
2060.000	39.044	39.808	0.000	0.000	17599.980	25330.582	17758.585	25969.713
2060.083	39.038	39.804	0.000	0.000	17603.220	25330.582	17761.889	25969.713
2065.000	38.892	39.742	0.000	0.000	17794.810	25330.582	17957.451	25969.713
2070.000	38.534	39.475	0.000	0.000	17988.375	25330.582	18155.493	25969.713
2075.000	38.283	39.314	0.000	0.000	18180.417	25330.582	18352.466	25969.713
2080.000	36.218	37.305	1.955	1.960	18366.669	25335.469	18544.014	25974.612
2085.000	36.054	37.198	1.916	1.934	18547.350	25345.147	18730.272	25984.346
2090.000	35.701	36.977	2.133	2.169	18726.738	25355.268	18915.710	25994.604
2095.000	35.056	36.510	2.449	2.495	18903.632	25366.723	19099.428	26006.265



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* * * D E S B R O C E S * * *

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PK inicial	:	0.000	
PK final	:	2885.404	
	ANCHOS OCUPADOS	AREA DE DESBROCE EN PLANTA	SUPERFICIE REAL
P. K.			
	DESMONTE	TERRAPLEN	
	-PLANTA-	-REAL--	
2100.000	35.998	37.438	19081.269
2105.000	35.988	37.674	19261.234
2110.000	36.126	37.936	19441.518
2115.000	37.363	39.197	19625.241
2120.000	37.220	39.214	19811.698
2121.953	37.138	39.167	19884.308
2125.000	37.034	39.176	19997.309
2130.000	37.045	39.375	20182.507
			25376.732
			25384.184
			25390.905
			25394.059
			25394.059
			25394.059
			25394.059
			25394.059
			26016.495
			26024.157
			26031.100
			26034.376
			26034.376
			26034.376
			26034.376
			26034.376
			26034.376

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EJE: 1: CALZADA IZQUIERDA

: 0.000

: 2885.404

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
2280.000	36.722	39.523	0.000	0.000	25757.612	25394.059	26365.058	26034.376
2285.000	36.708	39.665	0.000	0.000	25941.187	25394.059	26563.026	26034.376
2290.000	36.650	39.642	0.000	0.000	26124.582	25394.059	26761.292	26034.376
2295.000	36.493	39.532	0.000	0.000	26307.440	25394.059	26959.227	26034.376
2300.000	36.343	39.577	0.000	0.000	26489.530	25394.059	27157.001	26034.376
2305.000	36.245	39.491	0.000	0.000	26671.000	25394.059	27354.672	26034.376
2310.000	36.096	39.364	0.000	0.000	26851.851	25394.059	27551.811	26034.376
2315.000	36.068	39.391	0.000	0.000	27032.259	25394.059	27748.699	26034.376
2320.000	36.008	39.422	0.000	0.000	27212.449	25394.059	27945.732	26034.376
2325.000	35.997	39.316	0.000	0.000	27392.462	25394.059	28142.578	26034.376

2330.000	35.934	39.155	0.000	0.000	27572.290	25394.059	28338.756	26034.376
2335.000	35.822	39.020	0.000	0.000	27751.680	25394.059	28534.193	26034.376
2340.000	35.795	39.011	0.000	0.000	27930.723	25394.059	28729.269	26034.376
2345.000	35.743	38.753	0.000	0.000	28109.570	25394.059	28923.679	26034.376
2350.000	35.479	38.449	0.000	0.000	28287.626	25394.059	29116.685	26034.376
2355.000	35.189	38.139	0.000	0.000	28464.296	25394.059	29308.155	26034.376
2360.000	35.145	37.999	0.000	0.000	28640.130	25394.059	29498.500	26034.376
2365.000	35.128	38.047	0.000	0.000	28815.813	25394.059	29688.615	26034.376
2370.000	35.154	37.982	0.000	0.000	28991.518	25394.059	29878.686	26034.376
2375.000	35.280	38.020	0.000	0.000	29167.602	25394.059	30068.690	26034.376
2380.000	35.265	37.910	0.000	0.000	29343.963	25394.059	30258.514	26034.376
2385.000	35.211	37.673	0.000	0.000	29520.152	25394.059	30447.472	26034.376
2390.000	35.182	37.683	0.000	0.000	29696.135	25394.059	30635.862	26034.376
2395.000	35.088	37.386	0.000	0.000	29871.812	25394.059	30823.534	26034.376
2400.000	34.965	37.060	0.000	0.000	30046.945	25394.059	31009.649	26034.376
2405.000	34.756	36.799	0.000	0.000	30221.248	25394.059	31194.296	26034.376
2410.000	34.541	36.525	0.000	0.000	30394.492	25394.059	31377.606	26034.376
2415.000	34.222	35.984	0.000	0.000	30566.402	25394.059	31558.877	26034.376
2420.000	33.794	34.328	0.000	0.000	30736.443	25394.059	31734.657	26034.376
2425.000	33.255	33.642	0.000	0.000	30904.067	25394.059	31904.582	26034.376
2430.000	32.824	33.076	0.000	0.000	31069.266	25394.059	32071.377	26034.376
2435.000	32.271	32.373	0.000	0.000	31232.005	25394.059	32234.999	26034.376
2440.000	31.619	31.706	0.000	0.000	31391.730	25394.059	32395.196	26034.376
2445.000	30.862	30.893	0.000	0.000	31547.935	25394.059	32551.693	26034.376
2450.000	30.349	30.402	0.000	0.000	31700.963	25394.059	32704.930	26034.376
2455.000	29.721	29.762	0.000	0.000	31851.137	25394.059	32855.340	26034.376
2460.000	29.129	29.165	0.000	0.000	31998.261	25394.059	33002.659	26034.376



Istram 22.08.08.11 05/12/22 12:40:32 200207

PROYECTO :

EJE: 1: CALZADA IZQUIERDA

pagi na 14

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* * * D E S B R O C E S * * *

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PK inicial	:	0.000						
PK final	:	2885.404						
	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
P. K.	-----				-----		-----	
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
2465.000	28.592	28.638	0.000	0.000	32142.561	25394.059	33147.166	26034.376
2470.000	23.484	23.487	0.000	0.000	32272.749	25394.059	33277.477	26034.376
2475.000	28.624	28.632	0.000	0.000	32403.018	25394.059	33407.774	26034.376
2480.000	28.575	28.592	0.000	0.000	32546.015	25394.059	33550.833	26034.376
2485.000	28.544	28.550	0.000	0.000	32688.810	25394.059	33693.689	26034.376
2490.000	28.523	28.533	0.000	0.000	32831.477	25394.059	33836.397	26034.376
2495.000	28.535	28.545	0.000	0.000	32974.123	25394.059	33979.090	26034.376
2500.000	28.598	28.613	0.000	0.000	33116.955	25394.059	34121.984	26034.376
2505.000	28.591	28.608	0.000	0.000	33259.928	25394.059	34265.035	26034.376
2510.000	28.523	28.536	0.000	0.000	33402.712	25394.059	34407.896	26034.376
2515.000	28.498	28.514	0.000	0.000	33545.263	25394.059	34550.523	26034.376
2520.000	28.398	28.413	0.000	0.000	33687.503	25394.059	34692.841	26034.376

2525.000	28.322	28.331	0.000	0.000	33829.304	25394.059	34834.702	26034.376
2530.000	28.290	28.319	0.000	0.000	33970.836	25394.059	34976.328	26034.376
2535.000	28.286	28.309	0.000	0.000	34112.277	25394.059	35117.898	26034.376
2540.000	28.295	28.304	0.000	0.000	34253.730	25394.059	35259.429	26034.376
2545.000	28.301	28.316	0.000	0.000	34395.219	25394.059	35400.978	26034.376
2550.000	28.312	28.323	0.000	0.000	34536.751	25394.059	35542.576	26034.376
2555.000	28.320	28.329	0.000	0.000	34678.330	25394.059	35684.206	26034.376
2560.000	28.360	28.372	0.000	0.000	34820.030	25394.059	35825.959	26034.376
2563.878	28.384	28.389	0.000	0.000	34930.056	25394.059	35936.019	26034.376
2564.016	28.404	28.410	0.000	0.000	34933.975	25394.059	35939.938	26034.376
2564.016	8.517	8.520	0.000	0.000	34933.975	25394.059	35939.938	26034.376
2565.000	6.605	6.606	0.000	0.000	34941.415	25394.059	35947.381	26034.376
2570.000	16.998	17.001	0.000	0.000	35000.422	25394.059	36006.399	26034.376
2575.000	16.970	16.974	0.000	0.000	35085.342	25394.059	36091.335	26034.376
2580.000	16.943	16.946	0.000	0.000	35170.123	25394.059	36176.133	26034.376
2585.000	6.602	6.602	0.000	0.000	35228.984	25394.059	36235.003	26034.376
2590.000	6.617	6.617	0.000	0.000	35262.029	25394.059	36268.053	26034.376
2595.000	6.632	6.633	0.000	0.000	35295.151	25394.059	36301.180	26034.376
2600.000	6.629	6.630	0.000	0.000	35328.303	25394.059	36334.338	26034.376
2605.000	6.624	6.625	0.000	0.000	35361.436	25394.059	36367.476	26034.376
2610.000	6.555	6.557	0.000	0.000	35394.384	25394.059	36400.432	26034.376
2615.000	6.494	6.497	0.000	0.000	35427.005	25394.059	36433.067	26034.376
2620.000	6.459	6.462	0.000	0.000	35459.388	25394.059	36465.465	26034.376
2625.000	6.396	6.399	0.000	0.000	35491.526	25394.059	36497.616	26034.376
2630.000	6.434	6.435	0.000	0.000	35523.600	25394.059	36529.701	26034.376



Istram 22.08.08.11 05/12/22 12:40:32 200207

PROYECTO :

EJE: 1: CALZADA IZQUIERDA

pagi na 15

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* * * D E S B R O C E S * * *

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PK inicial	:	0.000
PK final	:	2885.404

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	-----		-----		-----		-----	
	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
-----	-PLANTA-	--REAL--	-PLANTA-	--REAL--	-----	-----	-----	-----
2635.000	6.335	6.344	0.000	0.000	35555.521	25394.059	36561.647	26034.376
2640.000	6.193	6.194	0.000	0.000	35586.840	25394.059	36592.991	26034.376
2645.000	6.142	6.145	0.000	0.000	35617.677	25394.059	36623.837	26034.376
2650.000	6.250	6.258	0.000	0.000	35648.657	25394.059	36654.844	26034.376
2655.000	6.156	6.157	0.000	0.000	35679.674	25394.059	36685.882	26034.376
2660.000	6.101	6.106	0.000	0.000	35710.317	25394.059	36716.541	26034.376
2665.000	6.037	6.038	0.000	0.000	35740.661	25394.059	36746.903	26034.376
2670.000	5.997	6.009	0.000	0.000	35770.744	25394.059	36777.022	26034.376
2675.000	6.163	6.434	0.000	0.000	35801.143	25394.059	36808.131	26034.376
2680.000	6.082	6.383	0.000	0.000	35831.756	25394.059	36840.174	26034.376
2685.000	6.033	6.313	0.000	0.000	35862.044	25394.059	36871.914	26034.376
2690.000	6.071	6.347	0.000	0.000	35892.302	25394.059	36903.564	26034.376
2695.000	6.005	6.006	0.000	0.000	35922.492	25394.059	36934.447	26034.376
2700.000	6.123	6.433	0.000	0.000	35952.811	25394.059	36965.545	26034.376

2705.000	6.049	6.053	0.000	0.000	35983.240	25394.059	36996.760	26034.376
2710.000	6.149	6.433	0.000	0.000	36013.735	25394.059	37027.975	26034.376
2715.000	6.111	6.120	0.000	0.000	36044.384	25394.059	37059.357	26034.376
2715.236	5.906	5.915	0.000	0.000	36045.802	25394.059	37060.777	26034.376
2720.000	6.073	6.347	0.000	0.000	36074.337	25394.059	37089.986	26034.376
2725.000	5.986	5.994	0.000	0.000	36104.484	25394.059	37120.839	26034.376
2730.000	5.976	5.981	0.000	0.000	36134.388	25394.059	37150.775	26034.376
2735.000	6.126	6.369	0.000	0.000	36164.642	25394.059	37181.649	26034.376
2740.000	6.163	6.459	0.000	0.000	36195.364	25394.059	37213.719	26034.376
2745.000	6.190	6.470	0.000	0.000	36226.246	25394.059	37246.040	26034.376
2750.000	6.214	6.522	0.000	0.000	36257.256	25394.059	37278.519	26034.376
2755.000	6.263	6.563	0.000	0.000	36288.447	25394.059	37311.231	26034.376
2760.000	6.321	6.596	0.000	0.000	36319.907	25394.059	37344.130	26034.376
2765.000	6.346	6.354	0.000	0.000	36351.576	25394.059	37376.507	26034.376
2770.000	6.402	6.711	0.000	0.000	36383.447	25394.059	37409.170	26034.376
2775.000	6.383	6.389	0.000	0.000	36415.409	25394.059	37441.920	26034.376
2775.236	6.429	6.700	0.000	0.000	36416.921	25394.059	37443.464	26034.376
2780.000	6.525	6.805	0.000	0.000	36447.775	25394.059	37475.633	26034.376
2785.000	6.378	6.380	0.000	0.000	36480.033	25394.059	37508.596	26034.376
2789.418	6.478	6.485	0.000	0.000	36508.433	25394.059	37537.015	26034.376
2790.000	6.505	6.511	0.000	0.000	36512.211	25394.059	37540.797	26034.376
2795.000	6.514	6.520	0.000	0.000	36544.758	25394.059	37573.376	26034.376
2800.000	6.361	6.368	0.000	0.000	36576.945	25394.059	37605.596	26034.376



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* * * D E S B R O C E S * * *

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PK inicial	:	0.000
PK final	:	2885.404

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	-----		-----		-----		-----	
	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
-----	-PLANTA-	--REAL--	-PLANTA-	--REAL--	-----	-----	-----	-----
2805.000	6.444	6.446	0.000	0.000	36608.956	25394.059	37637.630	26034.376
2810.000	6.353	6.355	0.000	0.000	36640.947	25394.059	37669.632	26034.376
2815.000	6.403	6.404	0.000	0.000	36672.836	25394.059	37701.529	26034.376
2820.000	6.429	6.430	0.000	0.000	36704.915	25394.059	37733.613	26034.376
2825.000	6.473	6.475	0.000	0.000	36737.170	25394.059	37765.874	26034.376
2830.000	6.470	6.471	0.000	0.000	36769.528	25394.059	37798.239	26034.376
2835.000	6.495	6.496	0.000	0.000	36801.942	25394.059	37830.658	26034.376
2835.236	6.554	6.555	0.000	0.000	36803.481	25394.059	37832.198	26034.376
2837.093	6.530	6.531	0.000	0.000	36815.630	25394.059	37844.349	26034.376
2840.000	6.518	6.519	0.000	0.000	36834.594	25394.059	37863.316	26034.376
2845.000	6.537	6.538	0.000	0.000	36867.232	25394.059	37895.959	26034.376
2850.000	6.520	6.521	0.000	0.000	36899.874	25394.059	37928.608	26034.376
2855.000	6.485	6.486	0.000	0.000	36932.385	25394.059	37961.126	26034.376
2860.000	6.446	6.448	0.000	0.000	36964.713	25394.059	37993.460	26034.376
2865.000	6.415	6.416	0.000	0.000	36996.867	25394.059	38025.620	26034.376
2870.000	6.407	6.408	0.000	0.000	37028.922	25394.059	38057.681	26034.376

2875.000	6.396	6.397	0.000	0.000	37060.929	25394.059	38089.694	26034.376
2880.000	6.386	6.388	0.000	0.000	37092.883	25394.059	38121.656	26034.376
2885.000	6.379	6.382	0.000	0.000	37124.795	25394.059	38153.580	26034.376
2885.404	6.378	6.399	0.000	0.000	37127.372	25394.059	38156.161	26034.376

***** * * * D E S B R O C E S * * * *****								
PK inicial		:						
PK final		:						
P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
0.000	15.500	18.118	0.000	0.000	0.000	0.000	0.000	0.000
20.000	12.269	12.334	0.000	0.000	277.690	0.000	304.516	0.000
40.000	14.400	16.026	0.000	0.000	544.379	0.000	588.111	0.000
51.571	14.400	15.800	0.000	0.000	711.002	0.000	772.239	0.000
60.000	13.984	15.301	0.000	0.000	830.626	0.000	903.312	0.000
60.000	13.984	15.301	0.000	0.000	830.626	0.000	903.312	0.000
80.000	14.611	16.843	0.000	0.000	1116.569	0.000	1224.748	0.000
88.703	14.456	16.212	0.000	0.000	1243.051	0.000	1368.588	0.000
100.000	14.779	15.627	0.000	0.000	1408.184	0.000	1548.430	0.000
120.000	14.947	16.147	0.000	0.000	1705.443	0.000	1866.166	0.000
126.652	15.003	16.269	0.000	0.000	1805.057	0.000	1973.983	0.000
139.309	15.110	16.402	0.000	0.000	1995.629	0.000	2180.746	0.000
140.000	15.115	16.393	0.000	0.000	2006.072	0.000	2192.077	0.000
180.000	15.453	16.666	0.000	0.000	2617.430	0.000	2853.254	0.000
200.000	15.622	16.550	0.000	0.000	2928.170	0.000	3185.418	0.000
200.109	15.623	16.542	0.000	0.000	2929.872	0.000	3187.222	0.000
215.309	15.750	16.376	0.000	0.000	3168.306	0.000	3437.397	0.000
260.000	3.808	3.940	12.192	13.573	3605.336	272.446	3891.378	303.295
260.909	0.166	0.173	13.834	14.872	3607.142	284.275	3893.247	316.223
280.000	0.000	0.000	14.000	14.317	3608.727	549.961	3894.894	594.847
300.000	0.000	0.000	14.000	14.044	3608.727	829.958	3894.894	878.456
320.000	0.000	0.000	14.000	14.007	3608.727	1109.958	3894.894	1158.962
340.000	0.000	0.000	14.000	14.003	3608.727	1389.956	3894.894	1439.057
350.000	0.000	0.000	14.000	14.013	3608.727	1529.955	3894.894	1579.135
350.000	0.000	0.000	14.000	14.013	3608.727	1529.955	3894.894	1579.135
360.000	0.000	0.000	14.000	14.249	3608.727	1669.955	3894.894	1720.446
375.944	0.000	0.000	14.000	14.575	3608.727	1893.171	3894.894	1950.234
380.000	0.000	0.000	14.000	14.296	3608.727	1949.955	3894.894	2008.784
385.000	0.000	0.000	14.000	14.001	3608.727	2019.955	3894.894	2079.525
400.000	0.000	0.000	14.000	14.213	3608.727	2229.955	3894.894	2291.123
400.000	0.000	0.000	14.000	14.213	3608.727	2229.955	3894.894	2291.123
406.331	0.000	0.000	14.000	14.309	3608.727	2318.588	3894.894	2381.407
420.000	0.000	0.000	14.000	14.174	3608.727	2509.951	3894.894	2576.069
440.000	0.000	0.000	14.000	14.017	3608.727	2789.951	3894.894	2857.978
443.800	0.000	0.000	14.000	14.025	3608.727	2843.151	3894.894	2911.257
460.000	0.000	0.000	14.000	14.030	3608.727	3069.948	3894.894	3138.499
479.496	0.000	0.000	14.000	14.208	3608.727	3342.888	3894.894	3413.766

EJE: 3: V30 - CALZADA IZQUIERDA

* * * D E S B R O C E S * * *

PK inicial : 0.000
PK final : 930.042

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
480.000	0.000	0.000	14.000	14.205	3608.727	3349.944	3894.894	3420.926
480.000	0.000	0.000	14.000	14.205	3608.727	3349.944	3894.894	3420.926
488.535	0.000	0.000	14.000	14.604	3608.727	3469.432	3894.894	3543.866
500.000	0.000	0.000	14.000	14.159	3608.727	3629.940	3894.894	3708.748
520.000	0.000	0.000	14.000	14.133	3608.727	3909.940	3894.894	3991.672
520.000	0.000	0.000	14.000	14.133	3608.727	3909.940	3894.894	3991.672
525.496	0.000	0.000	14.000	14.062	3608.727	3986.884	3894.894	4069.152
527.496	0.000	0.000	14.000	14.038	3608.727	4014.884	3894.894	4097.251
540.000	0.000	0.000	14.000	14.036	3608.727	4189.938	3894.894	4272.769
560.000	0.000	0.000	14.000	14.062	3608.727	4469.938	3894.894	4553.755
571.496	0.000	0.000	14.000	14.071	3608.727	4630.882	3894.894	4715.463
580.000	0.000	0.000	14.000	14.157	3608.727	4749.938	3894.894	4835.488
581.144	0.000	0.000	14.000	14.157	3608.727	4765.954	3894.894	4851.684
600.000	0.000	0.000	14.000	14.541	3608.727	5029.938	3894.894	5122.250
620.000	0.000	0.000	14.500	14.924	3608.727	5314.938	3894.894	5416.905
630.000	0.000	0.000	0.000	0.000	3608.727	5387.438	3894.894	5491.525
638.185	0.000	0.000	0.000	0.000	3608.727	5387.438	3894.894	5491.525
640.000	0.000	0.000	0.000	0.000	3608.727	5387.438	3894.894	5491.525
649.635	0.000	0.000	0.000	0.000	3608.727	5387.438	3894.894	5491.525
660.000	0.000	0.000	0.000	0.000	3608.727	5387.438	3894.894	5491.525
670.000	0.000	0.000	0.000	0.000	3608.727	5387.438	3894.894	5491.525
680.000	0.000	0.000	0.000	0.000	3608.727	5387.438	3894.894	5491.525
700.000	0.000	0.000	0.000	0.000	3608.727	5387.438	3894.894	5491.525
710.000	0.000	0.000	0.000	0.000	3608.727	5387.438	3894.894	5491.525
720.000	0.000	0.000	0.000	0.000	3608.727	5387.438	3894.894	5491.525
722.998	0.000	0.000	0.000	0.000	3608.727	5387.438	3894.894	5491.525
735.000	0.000	0.000	0.000	0.000	3608.727	5387.438	3894.894	5491.525
740.000	0.000	0.000	21.915	23.980	3608.727	5442.225	3894.894	5551.474
740.729	0.000	0.000	21.815	23.838	3608.727	5458.165	3894.894	5568.903
760.000	0.000	0.000	19.500	20.292	3608.727	5856.255	3894.894	5994.117
760.000	0.000	0.000	19.500	20.292	3608.727	5856.255	3894.894	5994.117
780.000	0.000	0.000	17.028	17.466	3608.727	6221.535	3894.894	6371.696
780.040	0.000	0.000	17.022	17.459	3608.727	6222.216	3894.894	6372.395
782.529	0.000	0.000	16.614	17.130	3608.727	6264.075	3894.894	6415.441
791.433	0.000	0.000	15.330	15.707	3608.727	6406.290	3894.894	6561.632
800.000	0.000	0.000	14.665	14.940	3608.727	6534.774	3894.894	6692.908
820.000	0.000	0.000	13.187	13.193	3608.727	6813.297	3894.894	6974.236

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* * * D E S B R O C E S * * *
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PK inicial : 0.000
PK final : 930.042

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
823.520	0.000	0.000	12.980	12.986	3608.727	6859.350	3894.894	7020.311
825.134	0.000	0.000	12.881	12.888	3608.727	6880.220	3894.894	7041.191
826.779	0.000	0.000	12.783	12.787	3608.727	6901.328	3894.894	7062.308
827.571	0.000	0.000	12.738	12.741	3608.727	6911.435	3894.894	7072.417
828.460	0.000	0.000	12.687	12.691	3608.727	6922.736	3894.894	7083.721
830.000	0.000	0.000	12.602	12.606	3608.727	6942.209	3894.894	7103.200
840.000	0.000	0.000	12.042	12.044	3608.727	7065.429	3894.894	7226.450
840.187	0.000	0.000	12.032	12.034	3608.727	7067.680	3894.894	7228.702
841.812	0.000	0.000	11.950	11.954	3608.727	7087.165	3894.894	7248.192
842.136	0.000	0.000	11.934	11.938	3608.727	7091.035	3894.894	7252.062
843.484	0.000	0.000	11.869	11.880	3608.727	7107.078	3894.894	7268.115
845.208	0.000	0.000	11.820	11.829	3608.727	7127.499	3894.894	7288.552
846.991	0.000	0.000	11.773	11.785	3608.727	7148.531	3894.894	7309.604
848.838	0.000	0.000	11.728	11.741	3608.727	7170.235	3894.894	7331.330
850.757	0.000	0.000	11.686	11.694	3608.727	7192.701	3894.894	7353.815
852.760	0.000	0.000	11.648	11.668	3608.727	7216.070	3894.894	7377.213
854.859	0.000	0.000	11.613	11.660	3608.727	7240.482	3894.894	7401.696
857.069	13.604	13.696	0.000	0.000	3623.760	7253.314	3910.029	7414.580
857.584	13.604	13.680	0.000	0.000	3630.766	7253.314	3917.078	7414.580
859.412	13.605	13.633	0.000	0.000	3655.634	7253.314	3942.043	7414.580
860.000	13.606	13.632	0.000	0.000	3663.634	7253.314	3950.058	7414.580
860.000	13.606	13.632	0.000	0.000	3663.634	7253.314	3950.058	7414.580
860.641	13.608	13.640	0.000	0.000	3672.356	7253.314	3958.799	7414.580
861.915	13.613	13.643	0.000	0.000	3689.696	7253.314	3976.178	7414.580
863.235	13.620	13.639	0.000	0.000	3707.669	7253.314	3994.184	7414.580
864.607	13.629	13.631	0.000	0.000	3726.361	7253.314	4012.891	7414.580
866.037	13.641	13.642	0.000	0.000	3745.859	7253.314	4032.391	7414.580
867.531	13.612	13.612	0.000	0.000	3766.217	7253.314	4052.750	7414.580
869.098	13.569	13.569	0.000	0.000	3787.514	7253.314	4074.046	7414.580
869.747	13.551	13.551	0.000	0.000	3796.314	7253.314	4082.847	7414.580
871.165	13.515	13.515	0.000	0.000	3815.504	7253.314	4102.037	7414.580
872.653	13.478	13.478	0.000	0.000	3835.586	7253.314	4122.120	7414.580
874.220	13.442	13.442	0.000	0.000	3856.678	7253.314	4143.212	7414.580
875.881	13.406	13.406	0.000	0.000	3878.975	7253.314	4165.510	7414.580
877.649	13.369	13.374	0.000	0.000	3902.644	7253.314	4189.184	7414.580
879.546	13.333	13.339	0.000	0.000	3927.971	7253.314	4214.522	7414.580
880.000	13.325	13.345	0.000	0.000	3934.022	7253.314	4220.579	7414.580

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AREA DE DESBROCE EN PLANTA

SUPERFICIE REAL

* * *					D E S B R O C E S		* * *			

PK inicial					:	0.000				
PK final					:	1395.872				
ANCHOS OCUPADOS					AREA DE DESBROCE EN PLANTA			SUPERFICIE REAL		
P. K.	-----						-----			
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN			
	-PLANTA-	--REAL--	-PLANTA-	--REAL--	-----	-----	-----	-----		
0.000	0.000	0.000	9.469	10.329	0.000	0.000	0.000	0.000		
0.778	0.000	0.000	9.747	10.648	0.000	7.475	0.000	8.160		
1.173	0.000	0.000	10.335	11.333	0.000	11.441	0.000	12.501		
2.345	0.000	0.000	10.990	14.658	0.000	23.937	0.000	27.731		
4.193	0.000	0.000	10.991	15.091	0.000	44.247	0.000	55.219		
5.900	0.000	0.000	10.993	15.415	0.000	63.010	0.000	81.257		
7.821	0.000	0.000	10.998	15.424	0.000	84.132	0.000	110.878		
9.952	0.000	0.000	11.006	15.336	0.000	107.577	0.000	143.652		
11.499	0.000	0.000	11.014	15.412	0.000	124.609	0.000	167.436		
13.682	0.000	0.000	11.007	15.287	0.000	148.644	0.000	200.945		
15.374	0.000	0.000	10.999	15.402	0.000	167.261	0.000	226.908		
16.713	0.000	0.000	8.448	8.454	0.000	180.281	0.000	242.879		
18.911	0.000	0.000	10.999	11.035	0.000	201.652	0.000	264.297		
20.000	0.000	0.000	11.053	15.693	0.000	213.659	0.000	278.851		
25.000	0.000	0.000	11.053	11.220	0.000	268.924	0.000	346.132		
25.848	0.000	0.000	11.042	11.250	0.000	278.292	0.000	355.660		
27.794	0.000	0.000	10.870	11.172	0.000	299.613	0.000	377.476		
29.500	0.000	0.000	10.944	11.364	0.000	318.221	0.000	396.699		
31.029	0.000	0.000	10.988	11.419	0.000	334.988	0.000	414.117		
32.426	0.000	0.000	10.979	11.522	0.000	350.331	0.000	430.141		
33.704	0.000	0.000	10.972	12.105	0.000	364.358	0.000	445.239		
36.007	0.000	0.000	10.984	11.684	0.000	389.640	0.000	472.632		
36.028	0.000	0.000	10.985	11.685	0.000	389.871	0.000	472.878		
38.051	0.000	0.000	11.096	11.933	0.000	412.205	0.000	496.767		
39.906	0.000	0.000	11.125	11.971	0.000	432.815	0.000	518.938		
40.000	0.000	0.000	11.124	11.975	0.000	433.860	0.000	520.063		
41.615	0.000	0.000	11.118	12.060	0.000	451.821	0.000	539.471		
43.208	0.000	0.000	11.118	12.195	0.000	469.532	0.000	558.790		
44.707	0.000	0.000	11.129	12.362	0.000	486.205	0.000	577.195		
46.129	0.233	0.271	10.910	12.171	0.166	501.875	0.192	594.638		
47.478	0.368	0.417	10.790	12.091	0.571	516.511	0.657	611.002		
48.768	0.496	0.542	10.678	11.994	1.128	530.358	1.275	626.537		
50.007	0.620	0.661	10.573	11.909	1.819	543.523	2.020	641.345		
50.778	0.688	0.727	10.533	11.881	2.323	551.660	2.555	650.516		
51.199	0.654	0.682	10.589	11.934	2.606	556.106	2.852	655.529		
52.350	0.140	0.149	11.136	12.438	3.063	568.609	3.330	669.555		
53.464	0.000	0.000	11.275	12.504	3.141	581.092	3.414	683.448		

EJE: 4: CALZADA LATERAL IZQUIERDA

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* * * D E S B R O C E S * * *
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PK inicial : 0.000
PK final : 1395.872

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
54.544	0.000	0.000	11.276	12.416	3.141	593.270	3.414	696.905
55.593	0.000	0.000	11.279	12.331	3.141	605.100	3.414	709.885
56.613	0.000	0.000	11.283	12.263	3.141	616.606	3.414	722.428
58.577	0.000	0.000	11.293	12.197	3.141	638.776	3.414	746.448
60.000	0.000	0.000	11.304	12.161	3.141	654.854	3.414	763.779
60.450	0.000	0.000	11.308	12.149	3.141	659.942	3.414	769.248
62.244	0.000	0.000	11.327	12.101	3.141	680.246	3.414	791.000
63.967	0.000	0.000	11.349	12.085	3.141	699.781	3.414	811.836
65.629	0.000	0.000	11.373	12.119	3.141	718.663	3.414	831.949
67.234	0.000	0.000	11.400	12.172	3.141	736.939	3.414	851.443
67.585	0.000	0.000	11.407	12.184	3.141	740.942	3.414	855.717
67.664	0.000	0.000	11.408	12.187	3.141	741.843	3.414	856.680
68.821	0.000	0.000	11.431	12.248	3.141	755.055	3.414	870.816
70.029	0.000	0.000	11.455	12.303	3.141	768.878	3.414	885.646
72.370	0.000	0.000	11.509	12.395	3.141	795.758	3.414	914.555
74.626	0.000	0.000	11.567	12.435	3.141	821.787	3.414	942.563
76.811	0.000	0.000	11.628	12.456	3.141	847.128	3.414	969.756
78.936	0.000	0.000	11.693	12.483	3.141	871.907	3.414	996.253
80.000	0.000	0.000	11.727	12.499	3.141	884.366	3.414	1009.544
81.010	0.000	0.000	11.760	12.525	3.141	896.227	3.414	1022.181
83.040	0.000	0.000	11.781	12.548	3.141	920.121	3.414	1047.630
85.032	0.000	0.000	11.780	12.551	3.141	943.588	3.414	1072.628
86.992	0.000	0.000	11.784	12.563	3.141	966.681	3.414	1097.240
88.925	0.000	0.000	11.821	12.594	3.141	989.495	3.414	1121.554
90.834	0.000	0.000	11.865	12.511	3.141	1012.103	3.414	1145.517
92.723	0.000	0.000	11.910	12.431	3.141	1034.558	3.414	1169.075
94.598	0.000	0.000	11.958	12.435	3.141	1056.935	3.414	1192.386
96.458	0.000	0.000	12.001	12.498	3.141	1079.216	3.414	1215.574
98.307	0.000	0.000	12.004	12.497	3.141	1101.409	3.414	1238.682
100.000	0.000	0.000	12.008	12.460	3.141	1121.735	3.414	1259.809
100.149	0.000	0.000	12.009	12.458	3.141	1123.525	3.414	1261.665
100.778	0.000	0.000	12.008	12.444	3.141	1131.078	3.414	1269.496
101.987	0.000	0.000	11.978	12.389	3.141	1145.577	3.414	1284.508
103.821	0.000	0.000	11.969	12.384	3.141	1167.536	3.414	1307.224
105.656	0.000	0.000	11.988	12.486	3.141	1189.517	3.414	1330.043
107.493	0.000	0.000	12.074	12.507	3.141	1211.617	3.414	1353.000
109.334	0.000	0.000	12.143	12.657	3.141	1233.908	3.414	1376.164

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* * * D E S B R O C E S * * *
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PK inicial : 0.000
PK final : 1395.872

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
110.000	0.000	0.000	12.163	12.709	3.141	1242.002	3.414	1384.611
110.000	0.000	0.000	12.163	12.709	3.141	1242.002	3.414	1384.611
111.180	0.000	0.000	12.200	12.757	3.141	1256.376	3.414	1399.636
113.034	0.000	0.000	12.213	12.514	3.141	1279.008	3.414	1423.063
114.896	0.000	0.000	12.172	12.451	3.141	1301.710	3.414	1446.306
116.770	0.000	0.000	12.208	12.450	3.141	1324.554	3.414	1469.639
118.659	0.000	0.000	12.277	12.506	3.141	1347.679	3.414	1493.210
119.047	0.000	0.000	12.288	12.513	3.141	1352.445	3.414	1498.064
120.000	0.000	0.000	12.318	12.542	3.141	1364.170	3.414	1510.002
120.562	0.000	0.000	12.318	12.540	3.141	1371.092	3.414	1517.050
122.483	0.000	0.000	12.321	12.492	3.141	1394.758	3.414	1541.094
124.424	0.000	0.000	12.391	12.504	3.141	1418.741	3.414	1565.352
126.389	0.000	0.000	12.463	12.549	3.141	1443.160	3.414	1589.967
126.926	0.000	0.000	12.469	12.552	3.141	1449.854	3.414	1596.706
128.380	0.000	0.000	12.502	12.587	3.141	1468.008	3.414	1614.982
130.117	0.000	0.000	12.542	12.761	3.141	1489.760	3.414	1636.997
131.874	0.000	0.000	12.583	13.031	3.141	1511.832	3.414	1659.656
133.651	0.000	0.000	12.624	13.349	3.141	1534.229	3.414	1683.094
135.449	0.000	0.000	12.666	13.565	3.141	1556.965	3.414	1707.289
137.266	0.000	0.000	12.708	13.547	3.141	1580.016	3.414	1731.920
139.103	0.000	0.000	12.750	13.283	3.141	1603.399	3.414	1756.564
140.000	0.000	0.000	12.771	13.422	3.141	1614.845	3.414	1768.541
140.959	0.000	0.000	12.793	13.623	3.141	1627.103	3.414	1781.509
142.834	0.000	0.000	12.836	13.490	3.141	1651.130	3.414	1806.927
144.727	0.000	0.000	12.880	13.277	3.141	1675.470	3.414	1832.262
146.638	0.000	0.000	12.924	13.421	3.141	1700.125	3.414	1857.772
148.567	0.000	0.000	12.969	13.600	3.141	1725.098	3.414	1883.833
150.512	0.000	0.000	13.013	13.066	3.141	1750.366	3.414	1909.766
160.000	0.000	0.000	13.232	13.257	3.141	1874.876	3.414	2034.644
180.000	0.000	0.000	13.694	13.720	3.141	2144.142	3.414	2304.417
200.000	0.000	0.000	14.000	14.032	3.141	2421.084	3.414	2581.940
200.614	0.000	0.000	14.000	14.033	3.141	2429.680	3.414	2590.556
220.000	5.018	5.026	8.982	9.018	51.781	2652.444	52.135	2813.994
240.000	9.217	9.239	5.863	5.898	194.128	2800.892	194.787	2963.153
260.000	0.000	0.000	14.000	14.065	286.294	2999.521	287.175	3162.780
280.000	0.000	0.000	14.000	14.137	286.294	3279.521	287.175	3444.798
282.180	0.000	0.000	14.000	14.209	286.294	3310.041	287.175	3475.695

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 DESBROCES
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PK inicial : 0.000
 PK final : 1395.872

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
288.088	0.000	0.000	14.000	14.282	286.294	3392.753	287.175	3559.859
300.000	0.465	0.466	13.535	15.030	289.062	3556.753	289.951	3734.441
320.000	4.702	4.940	11.298	12.396	340.735	3805.080	344.016	4008.701
338.014	0.123	0.155	13.504	15.121	384.200	4028.464	389.912	4256.545
340.000	0.123	0.155	13.476	15.259	384.444	4055.256	390.219	4286.712
360.000	0.172	0.195	13.198	13.750	387.393	4322.001	393.715	4576.796
360.000	0.172	0.195	13.198	13.750	387.393	4322.001	393.715	4576.796
380.000	9.927	10.965	6.584	6.755	488.387	4519.818	505.310	4781.842
380.000	9.927	10.965	6.584	6.755	488.387	4519.818	505.310	4781.842
400.000	16.531	17.069	0.000	0.000	752.962	4585.656	785.646	4849.391
420.000	16.518	17.446	0.000	0.000	1083.445	4585.656	1130.793	4849.391
436.014	16.696	17.579	0.000	0.000	1349.387	4585.656	1411.235	4849.391
440.000	16.693	17.543	0.000	0.000	1415.930	4585.656	1481.232	4849.391
460.000	16.447	17.892	0.000	0.000	1747.324	4585.656	1835.582	4849.391
473.356	16.465	18.258	0.000	0.000	1967.108	4585.656	2076.991	4849.391
480.000	16.392	16.403	0.000	0.000	2076.258	4585.656	2192.134	4849.391
485.738	16.430	16.430	0.000	0.000	2170.423	4585.656	2286.332	4849.391
500.000	16.417	16.417	0.000	0.000	2404.659	4585.656	2520.570	4849.391
501.963	16.400	16.408	0.000	0.000	2436.870	4585.656	2552.788	4849.391
520.000	16.436	16.457	0.000	0.000	2733.007	4585.656	2849.178	4849.391
538.689	16.567	17.093	0.000	0.000	3041.407	4585.656	3162.687	4849.391
540.000	16.583	16.991	0.000	0.000	3063.136	4585.656	3185.029	4849.391
540.000	16.583	16.991	0.000	0.000	3063.136	4585.656	3185.029	4849.391
560.000	16.735	17.383	0.000	0.000	3396.311	4585.656	3528.768	4849.391
580.000	22.839	24.027	0.000	0.000	3792.048	4585.656	3942.868	4849.391
600.000	22.490	23.269	0.000	0.000	4245.338	4585.656	4415.823	4849.391
620.000	21.196	21.781	0.000	0.000	4682.193	4585.656	4866.324	4849.391
640.000	19.464	19.966	0.000	0.000	5088.785	4585.656	5283.799	4849.391
640.000	19.464	19.966	0.000	0.000	5088.785	4585.656	5283.799	4849.391
660.000	18.434	19.186	0.000	0.000	5467.758	4585.656	5675.326	4849.391
660.000	18.434	19.186	0.000	0.000	5467.758	4585.656	5675.326	4849.391
680.000	18.560	19.186	0.000	0.000	5837.693	4585.656	6059.050	4849.391
700.000	18.414	19.369	0.000	0.000	6207.435	4585.656	6444.602	4849.391
715.838	18.941	19.799	0.000	0.000	6503.252	4585.656	6754.774	4849.391
720.000	19.283	20.058	0.000	0.000	6582.797	4585.656	6837.716	4849.391
740.000	20.774	21.057	0.000	0.000	6983.372	4585.656	7248.874	4849.391
760.000	19.832	20.034	0.000	0.000	7389.433	4585.656	7659.783	4849.391

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 DESBROCES
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PK inicial : 0.000
PK final : 1395.872

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
780.000	16.493	16.990	0.000	0.000	7752.682	4585.656	8030.018	4849.391
800.000	10.734	11.125	3.300	3.315	8024.952	4618.651	8311.163	4882.538
820.000	13.284	14.177	7.260	7.329	8265.134	4724.243	8564.180	4988.977
840.000	18.734	19.588	2.240	2.318	8585.319	4819.241	8901.837	5085.445
860.000	19.023	19.054	0.000	0.000	8962.896	4841.642	9288.266	5108.621
880.000	17.007	17.635	1.837	2.358	9323.198	4860.008	9655.165	5132.200
900.000	7.273	7.515	9.089	9.926	9566.001	4969.267	9906.667	5255.042
920.000	2.981	3.270	10.192	11.450	9668.539	5162.078	10014.517	5468.807
940.000	2.739	3.023	11.296	12.703	9725.733	5376.953	10077.452	5710.339
960.000	1.274	1.581	13.112	14.705	9765.859	5621.033	10123.494	5984.419
980.000	0.555	0.560	17.366	18.665	9784.147	5925.817	10144.904	6318.122
1000.000	0.000	0.000	17.840	19.580	9789.699	6277.884	10150.505	6700.576
1020.000	0.000	0.000	19.248	20.914	9789.699	6648.770	10150.505	7105.513
1040.000	0.000	0.000	19.397	20.601	9789.699	7035.217	10150.505	7520.659
1060.000	0.000	0.000	20.386	20.653	9789.699	7433.045	10150.505	7933.203
1060.000	0.000	0.000	20.386	20.653	9789.699	7433.045	10150.505	7933.203
1071.102	0.000	0.000	21.042	21.051	9789.699	7663.015	10150.505	8164.702
1080.000	0.000	0.000	21.525	21.535	9789.699	7852.399	10150.505	8354.163
1087.337	0.000	0.000	21.904	21.913	9789.699	8011.718	10150.505	8513.549
1100.000	0.000	0.000	22.342	22.352	9789.699	8291.859	10150.505	8793.813
1114.197	0.000	0.000	22.223	22.225	9789.699	8608.206	10150.505	9110.246
1120.000	0.000	0.000	20.691	20.698	9789.699	8732.724	10150.505	9234.785
1120.000	0.000	0.000	20.691	20.698	9789.699	8732.724	10150.505	9234.785
1140.000	0.000	0.000	21.687	21.689	9789.699	9156.505	10150.505	9658.651
1141.937	0.000	0.000	21.739	21.742	9789.699	9198.563	10150.505	9700.714
1160.000	0.000	0.000	22.006	22.008	9789.699	9593.643	10150.505	10095.836
1180.000	0.000	0.000	21.270	21.272	9789.699	10026.395	10150.505	10528.629
1196.537	0.000	0.000	21.407	21.412	9789.699	10379.268	10150.505	10881.559
1200.000	0.000	0.000	21.337	21.343	9789.699	10453.279	10150.505	10955.589
1220.000	0.000	0.000	20.786	20.786	9789.699	10874.507	10150.505	11376.875
1240.000	0.000	0.000	20.799	20.799	9789.699	11290.350	10150.505	11792.725
1260.000	0.000	0.000	20.194	20.198	9789.699	11700.272	10150.505	12202.700
1280.000	0.000	0.000	18.761	18.865	9789.699	12089.816	10150.505	12593.333
1300.000	0.000	0.000	16.856	17.149	9789.699	12445.982	10150.505	12953.477
1320.000	0.000	0.000	17.037	17.167	9789.699	12784.911	10150.505	13296.643
1340.000	0.000	0.000	16.417	16.482	9789.699	13119.452	10150.505	13633.141
1340.000	0.000	0.000	16.417	16.482	9789.699	13119.452	10150.505	13633.141

Istram 22.08.08.11 05/12/22 12:39:13 200207
PROYECTO :
EJE: 4: CALZADA LATERAL IZQUIERDA

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* * * D E S B R O C E S * * *
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PK inicial : 0.000

PK final : 1395.872

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
1355.000	0.000	0.000	17.945	17.962	9789.699	13377.170	10150.505	13891.471
1355.000	0.000	0.000	17.945	17.962	9789.699	13377.170	10150.505	13891.471
1360.000	0.000	0.000	18.196	18.196	9789.699	13467.524	10150.505	13981.866
1380.000	0.000	0.000	16.239	16.245	9789.699	13811.870	10150.505	14326.278
1395.872	0.000	0.000	20.913	20.963	9789.699	14106.707	10150.505	14621.559

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PK inicial				:	0.000				
PK final				:	294.729				
		ANCHOS OCUPADOS			AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
P. K.	-----						-----		
	DESMONTE		TERRAPLEN				DESMONTE		TERRAPLEN
-----	-PLANTA-	--REAL--	-PLANTA-	--REAL--	-----		-----		-----
0.000	0.000	0.000	10.500	10.781	0.000	0.000	0.000	0.000	
20.000	0.000	0.000	7.755	7.758	0.000	182.554	0.000	185.387	
35.459	0.000	0.000	7.968	7.968	0.000	304.087	0.000	306.937	
40.000	0.000	0.000	7.998	7.998	0.000	340.338	0.000	343.187	
60.000	0.000	0.000	8.243	8.245	0.000	502.745	0.000	505.618	
80.000	0.000	0.000	8.647	8.650	0.000	671.641	0.000	674.565	
90.000	0.000	0.000	8.764	8.767	0.000	758.695	0.000	761.648	
100.000	0.000	0.000	8.906	8.908	0.000	847.043	0.000	850.020	
120.000	0.000	0.000	9.238	9.238	0.000	1028.474	0.000	1031.472	
131.494	0.000	0.000	9.221	9.221	0.000	1134.556	0.000	1137.554	
135.400	0.000	0.000	9.165	9.165	0.000	1170.464	0.000	1173.462	
140.000	0.000	0.000	9.005	9.005	0.000	1212.254	0.000	1215.253	
150.000	0.000	0.000	9.088	9.098	0.000	1302.719	0.000	1305.769	
157.698	0.000	0.000	9.050	9.051	0.000	1372.533	0.000	1375.627	
159.573	0.000	0.000	8.968	8.968	0.000	1389.424	0.000	1392.520	
160.000	0.000	0.000	8.949	8.949	0.000	1393.250	0.000	1396.346	
161.455	0.000	0.000	8.995	8.996	0.000	1406.304	0.000	1409.401	
163.342	0.000	0.000	8.902	8.902	0.000	1423.190	0.000	1426.288	
165.236	0.000	0.000	8.866	8.866	0.000	1440.016	0.000	1443.114	
167.135	0.000	0.000	8.554	8.554	0.000	1456.555	0.000	1459.653	
169.041	0.000	0.000	8.586	8.586	0.000	1472.889	0.000	1475.988	
170.952	0.000	0.000	8.619	8.619	0.000	1489.329	0.000	1492.427	
172.870	0.000	0.000	8.650	8.650	0.000	1505.890	0.000	1508.988	
174.794	0.000	0.000	8.682	8.682	0.000	1522.564	0.000	1525.662	
176.724	0.000	0.000	8.714	8.714	0.000	1539.351	0.000	1542.449	
178.660	0.000	0.000	8.745	8.745	0.000	1556.251	0.000	1559.350	
180.000	0.000	0.000	8.767	8.767	0.000	1567.985	0.000	1571.083	
180.602	0.000	0.000	8.777	8.777	0.000	1573.266	0.000	1576.364	
182.550	0.000	0.000	8.807	8.807	0.000	1590.393	0.000	1593.491	
184.411	0.000	0.000	8.841	8.841	0.000	1606.814	0.000	1609.912	
186.276	0.000	0.000	8.873	8.873	0.000	1623.332	0.000	1626.430	
190.041	0.000	0.000	8.938	8.938	0.000	1656.862	0.000	1659.960	
191.909	0.000	0.000	8.969	8.969	0.000	1673.587	0.000	1676.685	
193.799	0.000	0.000	9.000	9.000	0.000	1690.568	0.000	1693.666	
195.400	0.000	0.000	9.028	9.028	0.000	1704.999	0.000	1708.097	
195.695	0.000	0.000	9.033	9.033	0.000	1707.663	0.000	1710.761	
197.597	0.000	0.000	9.064	9.064	0.000	1724.873	0.000	1727.971	

EJE: 5: TRANSFER CALZADA IZQUIERDA-C. L. I.

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* * * D E S B R O C E S * * *
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PK inicial : 0.000
PK final : 294.729

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
199.505	0.000	0.000	9.094	9.094	0.000	1742.196	0.000	1745.294
200.000	0.000	0.000	9.090	9.090	0.000	1746.697	0.000	1749.795
201.420	0.000	0.000	9.065	9.065	0.000	1759.587	0.000	1762.685
203.341	0.000	0.000	9.032	9.032	0.000	1776.969	0.000	1780.067
204.350	0.000	0.000	9.006	9.006	0.000	1786.069	0.000	1789.168
205.269	0.000	0.000	8.982	8.982	0.000	1794.335	0.000	1797.433
207.203	0.000	0.000	8.922	8.922	0.000	1811.648	0.000	1814.747
209.144	0.000	0.000	8.861	8.861	0.000	1828.906	0.000	1832.005
211.092	0.000	0.000	8.799	8.801	0.000	1846.106	0.000	1849.208
213.047	0.000	0.000	8.738	8.744	0.000	1863.249	0.000	1866.359
215.002	0.000	0.000	8.678	8.685	0.000	1880.273	0.000	1883.396
215.008	0.000	0.000	8.677	8.684	0.000	1880.325	0.000	1883.448
216.976	0.000	0.000	8.608	8.617	0.000	1897.333	0.000	1900.473
218.952	0.000	0.000	8.553	8.553	0.000	1914.288	0.000	1917.437
220.000	0.000	0.000	8.543	8.543	0.000	1923.246	0.000	1926.395
240.000	0.000	0.000	8.241	8.606	0.000	2091.086	0.000	2097.887
241.164	0.000	0.000	8.226	8.603	0.000	2100.670	0.000	2107.903
243.230	0.000	0.000	8.199	8.199	0.000	2117.637	0.000	2125.260
245.303	0.000	0.000	8.173	8.173	0.000	2134.606	0.000	2142.230
247.385	0.000	0.000	8.145	8.145	0.000	2151.593	0.000	2159.216
249.475	0.000	0.000	8.117	8.118	0.000	2168.586	0.000	2176.211
251.574	0.000	0.000	8.090	8.090	0.000	2185.595	0.000	2193.221
253.681	0.000	0.000	8.062	8.063	0.000	2202.611	0.000	2210.238
255.400	0.000	0.000	8.040	8.040	0.000	2216.451	0.000	2224.078
255.797	0.000	0.000	8.035	8.035	0.000	2219.642	0.000	2227.269
257.921	0.000	0.000	8.007	8.007	0.000	2236.679	0.000	2244.306
260.000	0.000	0.000	7.979	7.979	0.000	2253.296	0.000	2260.924
260.054	0.000	0.000	7.978	7.978	0.000	2253.727	0.000	2261.355
262.196	0.000	0.000	7.948	7.948	0.000	2270.784	0.000	2278.411
264.348	0.000	0.000	7.918	7.919	0.000	2287.855	0.000	2295.484
264.350	0.000	0.000	7.918	7.919	0.000	2287.871	0.000	2295.500
266.193	0.000	0.000	7.893	7.897	0.000	2302.440	0.000	2310.074
268.044	0.000	0.000	7.866	7.873	0.000	2317.024	0.000	2324.669
269.903	0.000	0.000	7.841	7.842	0.000	2331.624	0.000	2339.275
271.768	0.000	0.000	7.815	7.816	0.000	2346.224	0.000	2353.877
273.640	0.000	0.000	7.791	7.806	0.000	2360.832	0.000	2368.499
275.519	0.000	0.000	7.765	7.765	0.000	2375.446	0.000	2383.128

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* * * D E S B R O C E S * * *
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PK inicial : 0.000
PK final : 294.729

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
277.406	0.000	0.000	7.739	7.740	0.000	2390.075	0.000	2397.757
277.502	0.000	0.000	7.739	7.739	0.000	2390.818	0.000	2398.500
279.299	0.000	0.000	7.714	7.721	0.000	2404.701	0.000	2412.391
280.000	0.000	0.000	7.703	7.714	0.000	2410.105	0.000	2417.801
281.200	0.000	0.000	7.684	7.684	0.000	2419.338	0.000	2427.039
283.109	0.000	0.000	7.655	7.658	0.000	2433.979	0.000	2441.684
285.025	0.000	0.000	7.626	7.629	0.000	2448.618	0.000	2456.329
286.948	0.000	0.000	7.597	7.603	0.000	2463.255	0.000	2470.976
288.879	0.000	0.000	7.567	7.580	0.000	2477.895	0.000	2485.635
290.818	0.000	0.000	7.537	7.558	0.000	2492.538	0.000	2500.311
292.764	0.000	0.000	7.508	7.537	0.000	2507.177	0.000	2514.999
294.720	0.000	0.000	10.509	10.541	0.000	2524.798	0.000	2532.679
294.729	0.000	0.000	17.158	17.205	0.000	2524.922	0.000	2532.804

***** D E S B R O C E S *****									
PK inicial		:							
PK final		:							
P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	
	-PLANTA-	--REAL--	-PLANTA-	--REAL--					
0.000	23.323	24.472	0.000	0.000	0.000	0.000	0.000	0.000	
0.681	18.121	19.039	0.000	0.000	14.112	0.000	14.816	0.000	
1.980	18.177	19.269	0.000	0.000	37.687	0.000	39.697	0.000	
3.954	18.476	19.644	0.000	0.000	73.864	0.000	78.104	0.000	
5.000	18.793	20.166	0.000	0.000	93.355	0.000	98.924	0.000	
5.924	18.949	20.491	0.000	0.000	110.792	0.000	117.708	0.000	
7.890	19.374	19.378	0.000	0.000	148.463	0.000	156.899	0.000	
9.851	19.428	19.430	0.000	0.000	186.508	0.000	194.950	0.000	
10.000	19.431	19.434	0.000	0.000	189.403	0.000	197.846	0.000	
11.809	19.474	19.476	0.000	0.000	224.593	0.000	233.040	0.000	
13.764	19.494	19.496	0.000	0.000	262.683	0.000	271.135	0.000	
15.000	19.508	19.512	0.000	0.000	286.787	0.000	295.242	0.000	
15.714	19.529	19.532	0.000	0.000	300.723	0.000	309.181	0.000	
17.662	19.547	20.145	0.000	0.000	338.784	0.000	347.826	0.000	
19.606	18.986	21.662	0.000	0.000	376.238	0.000	388.461	0.000	
20.000	18.922	21.445	0.000	0.000	383.706	0.000	396.953	0.000	
20.681	18.480	20.848	0.000	0.000	396.441	0.000	411.354	0.000	
21.547	18.201	20.559	0.000	0.000	412.324	0.000	429.283	0.000	
23.484	17.735	19.296	0.000	0.000	447.129	0.000	467.883	0.000	
25.000	17.277	18.775	0.000	0.000	473.668	0.000	496.741	0.000	
25.417	17.291	18.566	0.000	0.000	480.875	0.000	504.526	0.000	
27.346	16.843	17.735	0.000	0.000	513.797	0.000	539.538	0.000	
29.270	16.912	17.747	0.000	0.000	546.269	0.000	573.672	0.000	
30.000	16.919	17.735	0.000	0.000	558.617	0.000	586.624	0.000	
30.000	16.919	17.735	0.000	0.000	558.617	0.000	586.624	0.000	
31.189	16.897	17.692	0.000	0.000	578.721	0.000	607.685	0.000	
33.282	16.930	17.682	0.000	0.000	614.121	0.000	644.703	0.000	
35.000	16.939	17.652	0.000	0.000	643.215	0.000	675.055	0.000	
35.135	16.934	17.647	0.000	0.000	645.501	0.000	677.437	0.000	
36.805	16.901	17.624	0.000	0.000	673.753	0.000	706.889	0.000	
38.331	16.883	17.624	0.000	0.000	699.531	0.000	733.783	0.000	
39.740	16.877	17.615	0.000	0.000	723.315	0.000	758.608	0.000	
40.000	16.883	17.608	0.000	0.000	727.704	0.000	763.187	0.000	
40.681	16.836	17.468	0.000	0.000	739.185	0.000	775.131	0.000	
45.000	17.140	17.755	0.000	0.000	812.556	0.000	851.193	0.000	
50.000	17.457	18.091	0.000	0.000	899.048	0.000	940.808	0.000	
53.109	17.689	18.227	0.000	0.000	953.682	0.000	997.265	0.000	

EJE: 6: RAMAL C.L.I. - CV35 (V)

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* * * D E S B R O C E S * * *
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PK inicial : 0.000
PK final : 207.804

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
54.257	17.768	18.273	0.000	0.000	974.034	0.000	1018.216	0.000
54.267	17.267	17.762	0.000	0.000	974.210	0.000	1018.397	0.000
55.000	12.057	12.133	0.000	0.000	984.957	0.000	1029.353	0.000
60.000	11.836	11.872	0.000	0.000	1044.688	0.000	1089.368	0.000
65.000	11.689	11.760	0.000	0.000	1103.501	0.000	1148.447	0.000
70.000	11.434	11.456	0.000	0.000	1161.310	0.000	1206.486	0.000
75.000	11.459	11.515	0.000	0.000	1218.542	0.000	1263.915	0.000
80.000	11.573	11.574	0.000	0.000	1276.122	0.000	1321.638	0.000
81.109	11.680	11.681	0.000	0.000	1289.015	0.000	1334.533	0.000
85.000	11.744	11.746	0.000	0.000	1334.587	0.000	1380.110	0.000
90.000	11.939	11.963	0.000	0.000	1393.796	0.000	1439.382	0.000
95.000	12.077	12.105	0.000	0.000	1453.837	0.000	1499.552	0.000
100.000	12.033	12.033	0.000	0.000	1514.113	0.000	1559.896	0.000
105.000	11.987	12.057	0.000	0.000	1574.163	0.000	1620.121	0.000
110.000	11.944	11.944	0.000	0.000	1633.989	0.000	1680.124	0.000
115.000	11.998	11.999	0.000	0.000	1693.845	0.000	1739.981	0.000
120.000	10.162	10.228	0.000	0.000	1749.246	0.000	1795.548	0.000
120.000	10.162	10.228	0.000	0.000	1749.246	0.000	1795.548	0.000
120.682	10.212	10.277	0.000	0.000	1756.194	0.000	1802.540	0.000
125.000	3.213	3.273	7.851	7.925	1785.180	16.949	1831.794	17.109
125.057	3.226	3.285	7.844	7.918	1785.364	17.397	1831.981	17.561
130.000	4.252	4.304	7.169	7.233	1803.844	54.501	1850.738	55.008
135.000	5.163	5.212	6.182	6.237	1827.381	87.877	1874.528	88.684
135.554	5.290	5.338	6.054	6.108	1830.277	91.266	1877.451	92.103
140.000	7.077	7.125	5.720	5.802	1857.768	117.439	1905.156	118.577
160.000	8.543	8.590	3.149	3.219	2013.966	206.129	2062.300	208.781
163.495	8.456	8.510	3.148	3.242	2043.672	217.134	2092.182	220.072
177.804	8.298	8.373	3.548	3.786	2163.540	265.043	2212.969	270.358
180.000	8.376	8.475	3.509	3.743	2181.848	272.792	2231.468	278.625
200.000	7.955	7.969	0.000	0.000	2345.156	307.883	2395.908	316.054
206.307	8.717	8.801	1.053	1.118	2397.732	311.203	2448.792	319.580
207.804	8.622	8.720	1.111	1.191	2410.710	312.822	2461.906	321.309

***** D E S B R O C E S *****									
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PK inicial		:		0.000					
PK final		:		1195.881					
P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	
	-PLANTA-	--REAL--	-PLANTA-	--REAL--					
0.000	18.070	18.093	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.000	19.400	20.705	0.000	0.000	37.470	0.000	38.798	0.000	0.000
4.000	19.220	20.377	0.000	0.000	76.090	0.000	79.880	0.000	0.000
6.000	18.265	18.330	0.000	0.000	113.574	0.000	118.587	0.000	0.000
8.000	19.006	20.133	0.000	0.000	150.845	0.000	157.050	0.000	0.000
10.000	18.702	19.669	0.000	0.000	188.553	0.000	196.852	0.000	0.000
12.000	17.607	18.435	0.000	0.000	224.862	0.000	234.956	0.000	0.000
14.000	15.643	16.073	0.000	0.000	258.112	0.000	269.464	0.000	0.000
16.000	16.022	16.666	0.000	0.000	289.776	0.000	302.202	0.000	0.000
18.000	15.681	16.225	0.000	0.000	321.480	0.000	335.093	0.000	0.000
20.000	15.282	15.710	0.018	0.018	352.444	0.018	367.028	0.018	0.018
22.000	11.147	11.316	3.325	3.336	378.873	3.362	394.055	3.372	3.372
22.612	9.752	9.831	4.403	4.417	385.268	5.726	400.526	5.745	5.745
24.000	6.772	6.808	6.507	6.529	396.737	13.297	412.073	13.341	13.341
26.000	4.671	4.697	8.266	8.302	408.180	28.070	423.578	28.171	28.171
28.000	3.953	3.974	9.029	9.071	416.804	45.366	432.249	45.544	45.544
30.000	2.817	2.852	9.755	9.787	423.574	64.150	439.075	64.402	64.402
32.000	1.546	1.555	10.493	10.528	427.937	84.398	443.482	84.717	84.717
34.000	1.366	1.373	10.589	10.622	430.849	105.480	446.411	105.866	105.866
36.000	1.199	1.204	10.753	10.780	433.415	126.821	448.988	127.268	127.268
38.000	0.893	0.897	11.239	11.271	435.508	148.812	451.090	149.320	149.320
38.205	0.882	0.886	11.268	11.301	435.690	151.119	451.273	151.633	151.633
40.000	0.812	0.816	11.505	11.545	437.211	171.558	452.801	172.137	172.137
42.000	0.978	0.981	11.550	11.601	439.001	194.613	454.599	195.284	195.284
44.000	0.985	0.988	11.719	11.781	440.965	217.883	456.568	218.666	218.666
46.000	1.073	1.076	11.978	12.068	443.023	241.580	458.633	242.516	242.516
48.000	1.204	1.208	12.493	12.678	445.300	266.052	460.918	267.263	267.263
50.000	1.286	1.292	11.848	11.967	447.790	290.393	463.418	291.907	291.907
52.000	1.349	1.357	11.866	11.989	450.425	314.107	466.067	315.863	315.863
52.612	1.465	1.473	11.772	11.896	451.287	321.340	466.933	323.172	323.172
54.000	1.671	1.680	11.493	11.617	453.464	337.487	469.121	339.491	339.491
56.000	2.117	2.126	10.774	10.901	457.251	359.754	472.927	362.009	362.009
58.000	3.218	3.231	9.784	9.963	462.586	380.311	478.284	382.873	382.873
58.336	3.420	3.434	9.602	9.790	463.701	383.568	479.404	386.192	386.192
60.000	5.324	5.349	8.706	8.916	470.976	398.801	486.711	401.755	401.755
62.000	6.068	6.097	8.729	8.972	482.368	416.236	498.157	419.643	419.643
64.000	7.172	7.212	9.022	9.300	495.609	433.987	511.466	437.916	437.916

EJE: 8: RAMAL CV-35 (A) - C.L.I.

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* * * D E S B R O C E S * * *
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PK inicial : 0.000
PK final : 1195.881

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
66.000	8.243	8.291	8.295	8.616	511.024	451.304	526.969	455.832
68.000	8.041	8.090	8.059	8.465	527.308	467.658	543.350	472.913
68.205	8.036	8.086	8.062	8.473	528.956	469.311	545.008	474.650
70.000	7.709	7.750	8.415	8.859	543.088	484.099	559.221	490.205
72.000	7.403	7.436	8.919	9.399	558.200	501.433	574.408	508.463
74.000	6.310	6.340	10.248	10.764	571.913	520.601	588.184	528.625
76.000	5.954	5.988	10.964	11.529	584.178	541.813	600.513	550.918
78.000	6.455	6.530	10.593	11.233	596.587	563.370	613.031	573.680
80.000	6.133	6.208	11.015	11.743	609.175	584.978	625.769	596.656
82.000	5.683	5.749	11.566	12.422	620.992	607.558	637.725	620.821
82.612	5.517	5.577	11.806	12.724	624.419	614.710	641.191	628.516
84.000	5.050	5.094	12.515	13.641	631.753	631.588	648.596	646.813
86.000	4.275	4.297	12.330	12.650	641.078	656.433	657.988	673.105
88.000	2.855	2.871	14.191	14.909	648.209	682.953	665.156	700.664
88.230	2.869	2.884	14.190	14.915	648.867	686.217	665.818	704.094
90.000	3.860	3.895	13.268	14.021	654.822	710.518	671.818	729.702
92.000	4.322	4.345	12.919	13.714	663.003	736.704	680.058	757.437
94.000	1.959	1.965	15.490	16.511	669.284	765.112	686.367	787.662
96.000	1.352	1.356	16.287	17.251	672.595	796.888	689.688	821.425
98.000	0.890	0.893	16.969	17.947	674.838	830.143	691.937	856.624
100.000	0.549	0.550	17.813	18.855	676.277	864.924	693.381	893.426
102.000	0.436	0.437	18.465	19.589	677.261	901.202	694.369	931.870
104.000	0.510	0.514	19.408	20.673	678.207	939.074	695.320	972.133
106.000	0.661	0.668	20.087	21.541	679.379	978.569	696.502	1014.347
108.000	0.577	0.584	22.701	24.517	680.616	1021.358	697.754	1060.406
110.000	0.481	0.486	24.362	26.943	681.675	1068.421	698.824	1111.866
110.509	0.464	0.468	25.027	27.814	681.915	1080.990	699.066	1125.802
120.000	0.000	0.000	25.304	28.259	684.117	1319.837	701.286	1391.896
130.000	0.000	0.000	24.832	27.028	684.117	1570.517	701.286	1668.332
140.000	0.000	0.000	23.669	25.583	684.117	1813.020	701.286	1931.386
140.000	0.000	0.000	0.000	0.000	684.117	1813.020	701.286	1931.386
150.000	0.000	0.000	0.000	0.000	684.117	1813.020	701.286	1931.386
160.000	0.000	0.000	0.000	0.000	684.117	1813.020	701.286	1931.386
170.000	0.000	0.000	0.000	0.000	684.117	1813.020	701.286	1931.386
180.000	0.000	0.000	0.000	0.000	684.117	1813.020	701.286	1931.386
190.000	0.000	0.000	0.000	0.000	684.117	1813.020	701.286	1931.386
200.000	0.000	0.000	0.000	0.000	684.117	1813.020	701.286	1931.386

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* * * D E S B R O C E S * * *
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PK inicial : 0.000
PK final : 1195.881

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
210.000	0.000	0.000	0.000	0.000	684.117	1813.020	701.286	1931.386
218.857	0.000	0.000	0.000	0.000	684.117	1813.020	701.286	1931.386
220.000	0.000	0.000	0.000	0.000	684.117	1813.020	701.286	1931.386
220.000	0.000	0.000	22.457	23.590	684.117	1813.020	701.286	1931.386
223.310	0.000	0.000	24.333	25.794	684.117	1890.458	701.286	2013.116
230.000	0.000	0.000	27.786	30.467	684.117	2064.796	701.286	2201.309
240.000	0.000	0.000	25.749	27.760	684.117	2332.471	701.286	2492.443
250.000	0.000	0.000	26.056	28.112	684.117	2591.496	701.286	2771.801
258.857	0.000	0.000	25.363	27.355	684.117	2819.207	701.286	3017.434
260.000	0.000	0.000	25.369	27.366	684.117	2848.200	701.286	3048.707
267.455	0.000	0.000	24.641	26.577	684.117	3034.609	701.286	3249.783
270.000	0.000	0.000	24.644	26.485	684.117	3097.323	701.286	3317.305
280.000	0.000	0.000	16.840	17.254	684.117	3304.742	701.286	3536.002
300.000	0.000	0.000	11.925	11.943	684.117	3592.395	701.286	3827.965
310.000	9.630	9.641	1.664	1.680	732.268	3660.341	749.492	3896.077
320.000	10.096	10.115	2.230	2.274	830.899	3679.813	848.271	3915.846
323.842	10.316	10.340	2.417	2.480	870.110	3688.739	887.564	3924.978
330.000	10.437	10.470	2.712	2.802	934.009	3704.531	951.638	3941.241
340.000	10.491	10.536	2.436	2.531	1038.648	3730.270	1056.666	3967.905
350.000	11.303	11.372	0.556	0.570	1147.618	3745.229	1166.205	3983.410
356.685	11.381	11.430	0.000	0.000	1223.439	3747.087	1242.421	3985.316
360.000	11.264	11.292	0.000	0.000	1260.973	3747.087	1280.082	3985.316
363.842	11.359	11.363	0.000	0.000	1304.432	3747.087	1323.602	3985.316
370.000	12.211	12.212	0.000	0.000	1377.004	3747.087	1396.189	3985.316
380.000	10.025	10.052	0.000	0.000	1488.183	3747.087	1507.511	3985.316
381.269	10.138	10.172	0.000	0.000	1500.976	3747.087	1520.343	3985.316
390.000	6.561	6.584	4.479	4.558	1573.874	3766.641	1593.491	4005.215
400.000	1.168	1.191	16.432	17.306	1612.519	3871.195	1632.370	4114.535

***** D E S B R O C E S *****									
PK inicial : 0.000									
PK final : 154.220									
P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	
	-PLANTA-	--REAL--	-PLANTA-	--REAL--					
0.000	15.133	15.611	0.000	0.000	0.000	0.000	0.000	0.000	
5.000	5.129	5.545	0.000	0.000	50.655	0.000	52.891	0.000	
10.000	5.045	5.397	0.000	0.000	76.090	0.000	80.246	0.000	
15.000	5.214	5.471	0.000	0.000	101.737	0.000	107.416	0.000	
19.740	5.302	5.526	0.000	0.000	126.660	0.000	133.481	0.000	
20.000	5.293	5.518	0.000	0.000	128.037	0.000	134.916	0.000	
30.000	5.386	5.507	0.000	0.000	181.432	0.000	190.038	0.000	
40.000	5.790	5.832	0.000	0.000	237.315	0.000	246.730	0.000	
49.756	6.449	6.547	0.000	0.000	297.018	0.000	307.112	0.000	
50.000	6.473	6.564	0.000	0.000	298.595	0.000	308.712	0.000	
51.641	6.624	6.676	0.000	0.000	309.341	0.000	319.576	0.000	
53.654	6.810	6.832	0.000	0.000	322.861	0.000	333.172	0.000	
55.665	6.987	6.989	0.000	0.000	336.734	0.000	347.068	0.000	
57.675	7.061	7.063	0.000	0.000	350.852	0.000	361.190	0.000	
59.683	7.178	7.181	0.000	0.000	365.148	0.000	375.491	0.000	
60.000	7.195	7.199	0.000	0.000	367.426	0.000	377.770	0.000	
80.000	8.055	8.066	0.000	0.000	519.929	0.000	530.415	0.000	
86.692	8.234	8.240	0.000	0.000	574.433	0.000	584.974	0.000	
90.000	8.305	8.314	0.000	0.000	601.789	0.000	612.355	0.000	
94.581	8.410	8.433	0.000	0.000	640.073	0.000	650.715	0.000	
94.791	8.415	8.439	0.000	0.000	641.840	0.000	652.487	0.000	
95.263	8.428	8.452	0.000	0.000	645.815	0.000	656.473	0.000	
100.000	8.540	8.573	0.000	0.000	686.002	0.000	696.796	0.000	
106.692	8.519	8.554	0.000	0.000	743.082	0.000	754.102	0.000	
120.000	8.410	8.474	0.000	0.000	855.728	0.000	867.409	0.000	
120.973	8.353	8.410	0.000	0.000	863.883	0.000	875.623	0.000	
126.132	8.334	8.586	0.246	0.324	906.928	0.634	919.464	0.837	
135.973	8.093	8.431	0.742	1.131	987.760	5.492	1003.197	7.998	
140.000	7.929	8.279	1.311	1.800	1020.021	9.625	1036.843	13.900	
150.973	8.502	8.566	0.000	0.000	1110.169	16.817	1129.263	23.778	
152.181	8.430	8.481	0.000	0.000	1120.396	16.817	1139.559	23.778	
152.391	8.433	8.483	0.000	0.000	1122.167	16.817	1141.340	23.778	
153.970	8.448	8.499	0.000	0.000	1135.494	16.817	1154.748	23.778	
154.135	8.450	8.502	0.000	0.000	1136.888	16.817	1156.150	23.778	
154.220	8.452	8.503	0.000	0.000	1137.607	16.817	1156.873	23.778	

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PK inicial		:		0.000					
PK final		:		822.270					
	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
P. K.	-----		-----		-----		-----		-----
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE
	-----		-----		-----		-----		-----
	-PLANTA-	--REAL--	-PLANTA-	--REAL--	-----	-----	-----	-----	-----
0.000	19.127	20.282	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.000	8.612	8.618	0.000	0.000	277.390	0.000	289.002	0.000	0.000
32.250	9.055	9.063	0.000	0.000	385.598	0.000	397.297	0.000	0.000
40.000	9.790	9.803	0.000	0.000	458.620	0.000	470.404	0.000	0.000
60.000	12.905	12.950	0.000	0.000	685.571	0.000	697.935	0.000	0.000
80.000	14.691	14.705	0.000	0.000	961.538	0.000	974.485	0.000	0.000
100.000	15.031	15.054	0.000	0.000	1258.757	0.000	1272.079	0.000	0.000
120.000	5.984	6.005	8.066	8.081	1468.898	80.658	1482.674	80.814	0.000
140.000	13.488	13.509	0.000	0.000	1663.617	161.316	1677.817	161.629	0.000
160.000	15.227	15.252	0.000	0.000	1950.766	161.316	1965.431	161.629	0.000
163.257	15.126	15.151	0.000	0.000	2000.196	161.316	2014.943	161.629	0.000
180.000	14.775	14.794	0.000	0.000	2250.519	161.316	2265.624	161.629	0.000
200.000	13.704	13.716	0.000	0.000	2535.315	161.316	2550.728	161.629	0.000
213.257	12.704	12.713	0.000	0.000	2710.360	161.316	2725.914	161.629	0.000
220.000	12.595	12.599	0.000	0.000	2795.654	161.316	2811.251	161.629	0.000
223.797	12.696	12.708	0.000	0.000	2843.668	161.316	2859.296	161.629	0.000
240.000	11.681	11.760	1.723	1.874	3041.158	175.278	3057.523	176.814	0.000
260.000	12.830	12.876	0.000	0.000	3286.277	192.511	3303.877	195.558	0.000
263.257	12.509	12.566	0.903	0.932	3327.542	193.981	3345.309	197.076	0.000
280.000	13.634	13.710	0.000	0.000	3546.403	201.536	3565.282	204.880	0.000
291.365	12.538	12.563	0.000	0.000	3695.126	201.536	3714.579	204.880	0.000
294.216	12.458	12.467	0.000	0.000	3730.757	201.536	3750.260	204.880	0.000
300.000	10.719	10.723	0.141	0.141	3797.783	201.944	3817.326	205.287	0.000
320.000	11.623	11.664	0.000	0.000	4021.204	203.354	4041.192	206.697	0.000
324.380	12.281	12.310	0.000	0.000	4073.554	203.354	4093.694	206.697	0.000
334.216	13.126	13.171	0.000	0.000	4198.504	203.354	4219.011	206.697	0.000
340.000	12.207	12.232	0.000	0.000	4271.764	203.354	4292.476	206.697	0.000
360.000	12.889	12.979	0.208	0.224	4522.724	205.435	4544.585	208.941	0.000
374.216	12.420	12.499	0.508	0.513	4702.623	210.525	4725.686	214.181	0.000
374.380	12.368	12.446	0.560	0.566	4704.656	210.613	4727.732	214.270	0.000
380.000	11.794	11.866	1.120	1.135	4772.552	215.335	4796.048	219.048	0.000
400.000	7.949	7.974	5.043	5.045	4969.983	276.963	4994.441	280.851	0.000

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* * * D E S B R O C E S * * *
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PK inicial : 0.000
PK final : 562.266

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
0.000	10.018	10.023	9.801	10.317	0.000	0.000	0.000	0.000
20.000	10.016	10.023	9.852	10.248	200.337	196.528	200.464	205.656
30.000	10.011	10.019	10.549	11.001	300.469	298.534	300.675	311.902
40.000	9.966	9.975	11.177	11.654	400.351	407.165	400.643	425.179
42.059	9.956	9.966	11.232	11.706	420.860	430.235	421.172	449.228
60.000	0.000	0.000	22.305	22.858	510.168	731.073	510.575	759.290
75.859	0.000	0.000	23.839	24.453	510.168	1096.966	510.575	1134.449
80.000	0.000	0.000	24.281	24.925	510.168	1196.599	510.575	1236.686
90.000	0.000	0.000	0.000	0.000	510.168	1318.006	510.575	1361.310
100.000	0.000	0.000	0.000	0.000	510.168	1318.006	510.575	1361.310
113.090	0.000	0.000	0.000	0.000	510.168	1318.006	510.575	1361.310
120.000	0.000	0.000	0.000	0.000	510.168	1318.006	510.575	1361.310
121.000	0.000	0.000	29.818	30.817	510.168	1332.915	510.575	1376.719
140.000	0.000	0.000	31.375	32.733	510.168	1914.252	510.575	1980.452
150.000	0.000	0.000	32.569	33.630	510.168	2233.972	510.575	2312.267
150.000	0.000	0.000	0.000	0.000	510.168	2233.972	510.575	2312.267
160.000	0.000	0.000	0.000	0.000	510.168	2233.972	510.575	2312.267
180.000	0.000	0.000	0.000	0.000	510.168	2233.972	510.575	2312.267
200.000	0.000	0.000	0.000	0.000	510.168	2233.972	510.575	2312.267
220.000	0.000	0.000	0.000	0.000	510.168	2233.972	510.575	2312.267
240.000	0.000	0.000	0.000	0.000	510.168	2233.972	510.575	2312.267
260.000	0.000	0.000	0.000	0.000	510.168	2233.972	510.575	2312.267
270.000	0.000	0.000	0.000	0.000	510.168	2233.972	510.575	2312.267
270.000	0.000	0.000	29.658	30.732	510.168	2233.972	510.575	2312.267
280.000	0.000	0.000	28.355	29.817	510.168	2524.035	510.575	2615.012
299.000	0.000	0.000	26.778	28.271	510.169	3047.794	510.576	3166.849
300.000	0.000	0.000	26.741	28.213	510.169	3074.553	510.576	3195.091
309.990	0.000	0.000	24.913	26.649	510.170	3332.561	510.576	3469.124
310.000	0.000	0.000	22.530	24.118	510.170	3332.798	510.576	3469.378
320.000	0.000	0.000	21.667	23.289	510.170	3553.783	510.576	3706.411
326.689	0.000	0.000	21.006	22.631	510.170	3696.501	510.576	3859.990
330.000	0.000	0.000	20.703	22.322	510.170	3765.549	510.576	3934.409
339.001	2.434	2.471	19.951	21.596	521.122	3948.508	521.695	4132.061
340.000	2.447	2.485	23.580	25.160	523.560	3970.251	524.171	4155.416
360.000	2.910	2.973	18.271	19.288	577.133	4388.757	578.751	4599.904
363.920	3.379	3.514	16.941	17.943	589.460	4457.774	591.466	4672.878
370.000	3.600	3.941	15.801	16.726	610.677	4557.311	614.131	4778.272

EJE: 11: REPOSICIÓN C. PATERNA - PLA DEL POU

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* * * D E S B R O C E S * * *
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PK inicial : 0.000
PK final : 562.266

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
380.000	4.436	4.862	13.955	14.753	650.856	4706.090	658.146	4935.670
400.000	7.015	7.063	9.004	9.666	765.362	4935.679	777.393	5179.861
402.983	7.342	7.389	8.585	9.212	786.775	4961.913	798.948	5208.017
409.990	8.023	8.065	9.429	10.242	840.608	5025.025	853.089	5276.174
410.000	10.372	10.415	4.442	4.944	840.700	5025.094	853.182	5276.250
420.000	10.787	10.858	3.158	3.534	946.494	5063.095	959.546	5318.643
440.000	11.004	11.127	1.578	1.742	1164.405	5110.457	1179.405	5371.408
460.000	12.299	12.452	1.218	1.320	1397.439	5138.416	1415.200	5402.035
480.000	12.197	12.302	1.309	1.420	1642.402	5163.687	1662.737	5429.439
500.000	13.293	13.514	1.216	1.391	1897.307	5188.931	1920.895	5457.553
520.000	13.022	13.385	1.263	1.441	2160.464	5213.714	2189.889	5485.873
523.204	12.844	13.170	1.214	1.381	2201.901	5217.681	2232.430	5490.393
540.000	14.863	15.207	1.108	1.293	2434.582	5237.178	2470.741	5512.853
560.000	16.781	16.950	0.425	0.475	2751.027	5252.506	2792.317	5530.529
562.266	17.159	17.410	0.228	0.242	2789.482	5253.246	2831.247	5531.341

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PK inicial			:	0.000					
PK final			:	287.656					
ANCHOS OCUPADOS					AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
P. K.	-----				-----		-----		
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
-----	-PLANTA-	--REAL--	-PLANTA-	--REAL--	-----	-----	-----	-----	
0.000	7.392	7.393	8.705	8.993	0.000	0.000	0.000	0.000	
20.000	8.014	8.027	10.405	10.863	154.065	191.094	154.205	198.562	
40.000	9.207	9.214	15.564	16.903	326.275	450.783	326.623	476.221	
60.000	0.000	0.000	24.088	24.960	418.344	847.306	418.768	894.845	
80.000	0.000	0.000	24.344	24.950	418.344	1331.624	418.768	1393.947	
80.000	0.000	0.000	0.000	0.000	418.344	1331.624	418.768	1393.947	
100.000	0.000	0.000	0.000	0.000	418.344	1331.624	418.768	1393.947	
120.000	0.000	0.000	0.000	0.000	418.344	1331.624	418.768	1393.947	
140.000	0.000	0.000	0.000	0.000	418.344	1331.624	418.768	1393.947	
160.000	0.000	0.000	0.000	0.000	418.344	1331.624	418.768	1393.947	
180.000	0.000	0.000	0.000	0.000	418.344	1331.624	418.768	1393.947	
190.000	0.000	0.000	0.000	0.000	418.344	1331.624	418.768	1393.947	
200.000	1.384	1.385	29.934	32.125	425.265	1481.294	425.693	1554.573	
220.000	9.811	9.812	19.297	21.259	537.212	1973.610	537.659	2088.416	
240.000	9.675	9.700	20.033	22.458	732.069	2366.915	732.770	2525.585	
260.000	8.474	8.508	12.817	13.782	913.556	2695.411	914.845	2887.983	
280.000	7.300	7.309	8.275	8.585	1071.289	2906.327	1073.015	3111.650	
287.656	6.984	6.993	7.110	7.326	1125.968	2965.220	1127.764	3172.557	

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PK inicial : 0.000

PK final : 206.646

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
0.000	0.649	0.650	16.851	16.854	0.000	0.000	0.000	0.000
10.000	10.306	10.307	7.182	7.183	54.776	120.165	54.783	120.188
18.737	9.939	9.939	5.895	5.895	143.214	177.293	143.226	177.320
20.000	11.115	11.116	7.034	7.034	156.510	185.458	156.522	185.484
30.000	20.995	20.997	0.000	0.000	317.062	220.628	317.088	220.655
40.000	21.609	21.614	0.000	0.000	530.082	220.628	530.144	220.655
40.000	0.000	0.000	0.000	0.000	530.082	220.628	530.144	220.655
50.000	0.000	0.000	0.000	0.000	530.082	220.628	530.144	220.655
51.464	0.000	0.000	0.000	0.000	530.082	220.628	530.144	220.655
60.000	0.000	0.000	0.000	0.000	530.082	220.628	530.144	220.655
80.000	0.000	0.000	0.000	0.000	530.082	220.628	530.144	220.655
100.000	0.000	0.000	0.000	0.000	530.082	220.628	530.144	220.655
120.000	0.000	0.000	0.000	0.000	530.082	220.628	530.144	220.655
140.000	0.000	0.000	0.000	0.000	530.082	220.628	530.144	220.655
155.000	0.000	0.000	0.000	0.000	530.082	220.628	530.144	220.655
160.000	0.000	0.000	0.000	0.000	530.082	220.628	530.144	220.655
160.000	22.203	22.229	0.000	0.000	530.082	220.628	530.144	220.655
180.000	21.578	21.597	0.000	0.000	967.900	220.628	968.398	220.655
200.000	15.750	15.756	3.034	3.035	1341.180	250.969	1341.926	251.002
206.646	15.559	15.564	3.227	3.228	1445.220	271.776	1446.005	271.813

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PK inicial : 0.000
PK final : 34.968

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
0.000	6.009	6.011	3.348	3.357	0.000	0.000	0.000	0.000
0.017	6.009	6.011	3.347	3.356	0.102	0.057	0.102	0.057
1.421	6.009	6.011	3.296	3.304	8.538	4.720	8.542	4.732
2.000	6.009	6.011	3.284	3.291	12.017	6.625	12.022	6.641
4.000	6.008	6.011	3.280	3.285	24.034	13.189	24.044	13.217
6.000	6.007	6.012	3.357	3.361	36.049	19.826	36.068	19.864
8.000	6.005	6.013	3.454	3.458	48.061	26.637	48.092	26.683
10.000	6.003	6.011	3.560	3.562	60.069	33.651	60.116	33.703
12.000	6.002	6.006	3.654	3.656	72.074	40.865	72.132	40.921
12.549	6.001	6.005	3.680	3.681	75.369	42.879	75.429	42.935
14.000	6.000	6.003	3.755	3.757	84.076	48.272	84.141	48.331
16.000	2.686	2.686	7.172	7.175	92.762	59.200	92.830	59.263
18.000	0.244	0.244	9.724	9.727	95.691	76.097	95.761	76.166
18.316	0.050	0.050	9.936	9.939	95.738	79.203	95.807	79.273
20.000	0.000	0.000	10.070	10.073	95.780	96.048	95.850	96.123
26.567	0.000	0.000	10.322	10.328	95.780	163.006	95.850	163.110
30.000	0.000	0.000	10.379	10.385	95.780	198.540	95.850	198.663
34.968	0.000	0.000	10.113	10.114	95.780	249.442	95.850	249.581

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PK inicial : 0.000
PK final : 48.590

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
0.000	0.650	0.650	8.722	8.725	0.000	0.000	0.000	0.000
1.086	0.917	0.917	8.543	8.545	0.850	9.375	0.851	9.377
2.652	1.201	1.201	8.208	8.210	2.508	22.491	2.509	22.496
5.000	1.394	1.395	7.942	7.944	5.554	41.451	5.557	41.462
10.000	1.723	1.724	7.455	7.459	13.347	79.943	13.354	79.969
15.000	0.000	0.000	9.298	9.300	17.655	121.827	17.664	121.867
19.378	0.426	0.426	8.697	8.699	18.587	161.220	18.597	161.268
20.000	0.727	0.727	8.364	8.365	18.946	166.526	18.956	166.575
22.000	3.464	3.464	5.487	5.488	23.137	180.377	23.147	180.428
22.652	5.627	5.627	3.265	3.265	26.101	183.230	26.111	183.282
24.000	5.605	5.605	3.173	3.174	33.670	187.569	33.681	187.621
26.000	5.572	5.572	3.206	3.206	44.846	193.948	44.857	194.001
26.086	5.570	5.570	3.203	3.203	45.326	194.223	45.336	194.276
28.000	5.541	5.541	3.052	3.052	55.959	200.210	55.970	200.263
30.000	5.507	5.507	3.047	3.047	67.007	206.309	67.018	206.362
32.000	5.508	5.509	2.964	2.964	78.022	212.320	78.034	212.374
32.896	5.509	5.510	2.946	2.946	82.958	214.968	82.971	215.022
32.998	5.509	5.510	2.942	2.943	83.520	215.268	83.533	215.322
34.000	5.509	5.511	2.909	2.910	89.039	218.199	89.054	218.254
36.000	5.627	5.629	3.672	3.673	100.176	224.781	100.194	224.837
38.000	5.509	5.510	2.954	2.954	111.312	231.406	111.332	231.463
40.000	5.509	5.509	2.946	2.946	122.330	237.306	122.351	237.363
42.000	5.509	5.510	2.963	2.963	133.349	243.215	133.370	243.272
42.652	5.509	5.510	2.986	2.986	136.941	245.154	136.963	245.212
44.000	5.509	5.510	2.959	2.960	144.367	249.161	144.390	249.220
45.690	6.832	6.834	3.220	3.223	154.796	254.382	154.820	254.444
46.000	6.932	6.934	3.145	3.149	156.929	255.369	156.954	255.432
48.000	8.346	8.348	2.495	2.499	172.207	261.009	172.236	261.080
48.590	8.533	8.536	2.316	2.320	177.186	262.428	177.217	262.501

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* * * D E S B R O C E S * * *									
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PK inicial		:	0.000						
PK final		:	269.391						
P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	
	-PLANTA-	--REAL--	-PLANTA-	--REAL--					
0.000	14.483	15.779	1.018	1.110	0.000	0.000	0.000	0.000	
0.984	14.439	16.208	1.002	1.097	14.230	0.994	15.738	1.086	
2.000	14.372	15.942	1.033	1.135	28.866	2.027	32.071	2.220	
4.000	14.235	15.506	0.921	1.002	57.473	3.981	63.519	4.356	
6.000	13.965	14.931	1.010	1.085	85.674	5.912	93.955	6.444	
8.000	13.197	14.092	1.094	1.170	112.836	8.016	122.978	8.700	
10.000	11.896	12.183	1.021	1.096	137.929	10.131	149.254	10.966	
12.000	11.207	11.290	0.769	0.830	161.032	11.920	172.727	12.892	
14.000	11.452	11.531	0.540	0.578	183.691	13.229	195.547	14.301	
16.000	11.371	11.457	0.877	0.926	206.514	14.645	218.535	15.805	
18.000	11.192	11.283	1.271	1.345	229.077	16.793	241.275	18.076	
20.000	11.009	11.104	1.438	1.502	251.278	19.501	263.662	20.923	
22.000	10.880	10.968	1.512	1.578	273.168	22.451	285.735	24.004	
24.000	10.797	10.880	1.518	1.576	294.846	25.481	307.584	27.159	
26.000	9.665	9.735	1.490	1.535	315.308	28.489	328.199	30.270	
28.000	10.606	10.681	1.401	1.449	335.579	31.380	348.616	33.254	
30.000	10.215	10.286	1.901	1.984	356.400	34.682	369.584	36.687	
32.000	10.002	10.076	2.670	2.803	376.618	39.254	389.946	41.473	
34.000	9.739	9.814	3.602	3.827	396.359	45.526	409.836	48.102	
36.000	9.564	9.637	4.492	4.829	415.662	53.620	429.287	56.758	
38.000	8.104	8.179	5.627	6.050	433.330	63.738	447.103	67.637	
40.000	7.988	8.064	6.551	7.073	449.421	75.916	463.346	80.760	
42.000	7.864	7.935	7.566	8.203	465.273	90.033	479.344	96.036	
44.000	7.719	7.786	8.577	9.304	480.857	106.176	495.065	113.544	
46.000	7.405	7.472	9.441	10.207	495.981	124.194	510.322	133.055	
48.000	7.141	7.202	10.171	10.982	510.528	143.806	524.996	154.245	
50.000	6.796	6.850	10.916	11.771	524.465	164.893	539.048	176.998	
52.000	6.469	6.514	11.707	12.615	537.731	187.516	552.412	201.384	
54.000	6.103	6.138	12.677	13.656	550.304	211.899	565.064	227.655	
56.000	5.641	5.661	13.909	14.988	562.049	238.485	576.863	256.300	
58.000	1.576	1.579	18.612	19.771	569.266	271.006	584.102	291.059	
60.000	0.284	0.285	20.574	21.809	571.126	310.192	585.966	332.638	
60.558	0.000	0.000	21.042	22.304	571.205	321.803	586.045	344.946	
62.000	0.000	0.000	21.487	22.816	571.205	352.467	586.045	377.478	
64.000	0.000	0.000	22.112	23.502	571.205	396.065	586.045	423.796	
66.000	0.000	0.000	22.583	23.991	571.205	440.760	586.045	471.289	
68.000	0.000	0.000	23.060	24.539	571.205	486.403	586.045	519.820	

EJE: 17: RAMAL CV-35 (V) - C. L. D.

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* * * D E S B R O C E S * * *
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PK inicial : 0.000
PK final : 269.391

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
70.000	0.000	0.000	23.549	25.061	571.205	533.012	586.045	569.420
72.000	0.000	0.000	24.003	25.543	571.205	580.564	586.045	620.024
74.000	0.000	0.000	24.445	26.025	571.205	629.012	586.045	671.592
76.000	0.000	0.000	24.851	26.491	571.205	678.308	586.045	724.107
78.000	0.000	0.000	25.247	26.935	571.205	728.407	586.045	777.533
78.882	0.000	0.000	25.442	27.157	571.205	750.760	586.045	801.388
80.000	0.000	0.000	25.725	27.473	571.205	779.362	586.045	831.926
82.000	0.000	0.000	26.474	28.309	571.205	831.561	586.045	887.707
84.000	0.000	0.000	26.774	28.650	571.205	884.809	586.045	944.666
86.000	0.000	0.000	27.047	28.963	571.205	938.631	586.045	1002.278
88.000	0.000	0.000	27.297	29.252	571.205	992.976	586.045	1060.493
90.000	0.000	0.000	27.753	29.784	571.205	1048.026	586.045	1119.528
92.000	0.000	0.000	28.352	30.410	571.205	1104.130	586.045	1179.722
94.000	0.000	0.000	28.659	30.740	571.205	1161.141	586.045	1240.871
96.000	0.000	0.000	29.574	31.713	571.205	1219.374	586.045	1303.324
98.000	0.000	0.000	31.357	33.680	571.205	1280.304	586.045	1368.718
98.882	0.000	0.000	31.681	34.043	571.205	1308.104	586.045	1398.583
99.600	0.000	0.000	31.541	33.952	571.205	1330.801	586.045	1422.993
100.000	0.000	0.000	31.468	33.913	571.205	1343.403	586.045	1436.566
105.549	0.000	0.000	30.011	33.429	571.205	1513.977	586.045	1623.406
113.404	0.000	0.000	28.676	31.222	571.205	1744.469	586.045	1877.322
118.882	0.000	0.000	27.391	29.583	571.205	1898.034	586.045	2043.867
120.000	0.000	0.000	27.640	29.571	571.205	1928.796	586.045	2076.934
130.000	0.000	0.000	25.978	28.387	571.205	2196.887	586.045	2366.726
135.000	0.000	0.000	0.000	0.000	571.205	2261.831	586.045	2437.693
140.000	0.000	0.000	0.000	0.000	571.205	2261.831	586.045	2437.693
160.000	0.000	0.000	0.000	0.000	571.205	2261.831	586.045	2437.693
180.000	0.000	0.000	0.000	0.000	571.205	2261.831	586.045	2437.693
190.000	0.000	0.000	0.000	0.000	571.205	2261.831	586.045	2437.693
195.000	0.000	0.000	21.174	23.245	571.205	2314.766	586.045	2495.806
200.000	0.000	0.000	20.024	22.025	571.205	2417.760	586.045	2608.982
202.208	0.149	0.150	19.475	21.432	571.370	2461.367	586.211	2656.959
209.310	0.019	0.020	20.104	21.676	571.969	2601.914	586.815	2810.036
210.000	0.036	0.037	20.043	21.590	571.988	2615.765	586.835	2824.963
214.458	0.302	0.310	19.419	20.876	572.742	2703.725	587.609	2919.621
217.061	0.550	0.565	18.919	20.308	573.851	2753.622	588.749	2973.223
220.000	0.890	0.913	18.287	19.602	575.968	2808.296	590.921	3031.871

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* * * D E S B R O C E S * * *
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PK inicial : 0.000
PK final : 269.391

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
221.241	1.086	1.112	17.953	19.236	577.194	2830.783	592.177	3055.970
229.544	2.633	2.672	14.721	15.889	592.633	2966.431	607.890	3201.791
230.000	2.844	2.884	14.570	15.736	593.881	2973.109	609.157	3209.001
231.053	3.096	3.142	14.214	15.382	597.009	2988.264	612.329	3225.385
232.061	3.269	3.317	13.858	15.040	600.217	3002.412	615.584	3240.718
232.536	3.396	3.441	13.645	14.834	601.800	3008.943	617.189	3247.813
233.491	3.762	3.811	13.116	14.322	605.217	3021.722	620.652	3261.735
234.005	3.992	4.032	12.810	14.026	607.210	3028.385	622.668	3269.020
235.753	4.885	4.920	11.726	12.975	614.968	3049.830	630.492	3292.620
237.516	6.136	6.168	10.373	11.608	624.684	3069.310	640.266	3314.290
239.315	7.384	7.419	8.297	9.449	636.846	3086.104	652.487	3333.231
240.000	7.855	7.891	7.402	8.514	642.065	3091.481	657.731	3339.383
241.173	8.493	8.533	1.033	1.055	651.654	3096.428	667.363	3344.995
243.127	9.025	9.067	0.000	0.000	668.769	3097.437	684.558	3346.026
245.230	8.538	8.555	0.000	0.000	687.236	3097.437	703.086	3346.026
245.741	8.430	8.442	0.000	0.000	691.571	3097.437	707.429	3346.026
246.504	8.330	8.340	0.000	0.000	697.965	3097.437	713.831	3346.026
247.061	8.244	8.255	0.000	0.000	702.581	3097.437	718.453	3346.026
247.882	7.215	7.226	0.000	0.000	708.927	3097.437	724.808	3346.026
249.310	7.608	7.615	0.000	0.000	719.511	3097.437	735.404	3346.026
249.398	7.636	7.642	0.000	0.000	720.181	3097.437	736.075	3346.026
250.000	7.822	7.828	0.000	0.000	724.834	3097.437	740.732	3346.026
251.099	9.208	9.221	0.000	0.000	734.192	3097.437	750.101	3346.026
252.982	9.494	9.502	0.000	0.000	751.799	3097.437	767.729	3346.026
254.873	9.718	9.725	0.000	0.000	769.964	3097.437	785.907	3346.026
256.770	10.118	10.129	0.000	0.000	788.778	3097.437	804.738	3346.026
257.141	10.087	10.130	0.000	0.000	792.527	3097.437	808.496	3346.026
258.676	10.069	10.076	0.000	0.000	807.996	3097.437	824.005	3346.026
260.000	10.071	10.081	0.000	0.000	821.329	3097.437	837.349	3346.026
260.596	10.087	10.100	0.000	0.000	827.337	3097.437	843.362	3346.026
262.529	10.129	10.139	0.000	0.000	846.876	3097.437	862.923	3346.026
264.473	10.226	10.235	0.000	0.000	866.661	3097.437	882.726	3346.026
266.428	10.247	10.262	0.000	0.000	886.674	3097.437	902.762	3346.026
268.395	10.301	10.316	0.000	0.000	906.882	3097.437	923.001	3346.026
269.391	12.542	12.560	0.000	0.000	918.258	3097.437	934.393	3346.026

***** * * * D E S B R O C E S * * * *****									
PK inicial		:		0.000					
PK final		:		1562.958					
P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
	-PLANTA-	--REAL--	-PLANTA-	--REAL--					
0.000	6.752	6.765	5.504	5.526	0.000	0.000	0.000		0.000
20.000	0.000	0.000	14.032	14.158	67.520	195.355	67.654		196.835
40.000	0.000	0.000	16.468	16.524	67.520	500.352	67.654		503.648
45.271	0.000	0.000	16.986	17.013	67.520	588.521	67.654		592.035
58.552	0.000	0.000	17.542	17.609	67.520	817.805	67.654		821.943
60.000	0.000	0.000	17.498	17.567	67.520	843.173	67.654		847.411
80.000	0.000	0.000	15.556	15.576	67.520	1173.714	67.654		1178.842
85.096	0.000	0.000	15.521	15.539	67.520	1252.899	67.654		1258.123
95.271	0.000	0.000	14.720	14.720	67.520	1406.751	67.654		1412.066
100.000	0.000	0.000	14.420	14.445	67.520	1475.652	67.654		1481.029
120.000	3.668	3.691	9.505	9.583	104.195	1714.893	104.564		1721.314
140.000	9.387	9.411	3.560	3.641	234.744	1845.533	235.586		1853.559
145.271	9.529	9.556	3.269	3.326	284.597	1863.530	285.575		1871.920
160.000	10.344	10.376	2.463	2.500	430.952	1905.742	432.368		1914.830
180.000	11.563	11.835	1.593	2.651	650.024	1946.302	654.476		1966.347
200.000	12.139	12.230	0.000	0.000	887.047	1962.232	895.126		1992.860
220.000	11.628	11.648	0.000	0.000	1124.719	1962.232	1133.910		1992.860
240.000	10.730	10.978	1.803	3.203	1348.293	1980.266	1360.173		2024.886
260.000	12.002	12.011	0.000	0.000	1575.608	1998.300	1590.066		2056.912
275.377	10.856	10.876	0.000	0.000	1751.349	1998.300	1766.033		2056.912
280.000	10.580	10.596	0.000	0.000	1800.898	1998.300	1815.666		2056.912
281.323	10.535	10.550	0.000	0.000	1814.865	1998.300	1829.654		2056.912
300.000	7.846	7.859	0.000	0.000	1986.515	1998.300	2001.560		2056.912
320.000	8.538	8.547	0.000	0.000	2150.353	1998.300	2165.619		2056.912
322.279	7.896	7.907	0.000	0.000	2169.079	1998.300	2184.369		2056.912
322.289	18.196	18.223	0.000	0.000	2169.209	1998.300	2184.500		2056.912
325.377	18.890	18.924	0.000	0.000	2226.470	1998.300	2241.854		2056.912
340.000	16.275	16.366	2.680	2.684	2483.579	2017.897	2499.880		2076.535
360.000	12.583	12.692	6.432	6.536	2772.153	2109.019	2790.459		2168.738
375.377	19.019	19.061	0.000	0.000	3015.126	2158.471	3034.589		2218.993
380.000	19.032	19.073	0.000	0.000	3103.082	2158.471	3122.737		2218.993
397.289	16.913	16.923	0.000	0.000	3413.810	2158.471	3433.907		2218.993
400.000	16.690	16.700	0.000	0.000	3459.360	2158.471	3479.482		2218.993
420.000	16.288	16.317	0.000	0.000	3789.147	2158.471	3809.648		2218.993
440.000	16.632	17.119	0.000	0.000	4118.350	2158.471	4144.007		2218.993
452.702	12.114	12.619	0.000	0.000	4300.915	2158.471	4332.872		2218.993
457.289	11.927	12.514	0.000	0.000	4356.054	2158.471	4390.513		2218.993

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* * * D E S B R O C E S * * *
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PK inicial : 0.000
PK final : 1562.958

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
460.000	11.861	12.515	0.000	0.000	4388.300	2158.471	4424.440	2218.993
480.000	19.729	19.729	0.000	0.000	4704.204	2158.471	4746.884	2218.993
480.000	19.729	19.729	0.000	0.000	4704.204	2158.471	4746.884	2218.993
500.000	10.849	11.352	0.000	0.000	5009.984	2158.471	5057.699	2218.993
500.000	10.849	11.352	0.000	0.000	5009.984	2158.471	5057.699	2218.993
520.000	10.430	10.904	0.000	0.000	5222.772	2158.471	5280.265	2218.993
540.000	9.926	10.427	0.000	0.000	5426.332	2158.471	5493.572	2218.993
560.000	9.577	10.140	0.000	0.000	5621.362	2158.471	5699.238	2218.993
580.000	9.586	10.073	0.000	0.000	5812.994	2158.471	5901.365	2218.993
600.000	9.421	10.129	0.000	0.000	6003.070	2158.471	6103.384	2218.993
620.000	9.292	10.231	0.000	0.000	6190.205	2158.471	6306.991	2218.993
638.689	9.329	10.731	0.000	0.000	6364.209	2158.471	6502.879	2218.993
640.000	9.377	10.831	0.000	0.000	6376.470	2158.471	6517.013	2218.993
646.845	9.454	11.104	0.000	0.000	6440.918	2158.471	6592.086	2218.993
646.855	9.454	11.105	0.000	0.000	6441.013	2158.471	6592.197	2218.993
656.689	18.057	19.832	0.000	0.000	6576.284	2158.471	6744.313	2218.993
660.000	18.057	19.964	0.000	0.000	6636.070	2158.471	6810.195	2218.993
680.000	18.174	20.896	0.000	0.000	6998.371	2158.471	7218.791	2218.993
686.855	18.061	21.080	0.000	0.000	7122.564	2158.471	7362.662	2218.993
700.000	1.043	1.349	0.000	0.000	7248.129	2158.471	7510.076	2218.993
707.314	1.316	1.734	0.000	0.000	7256.758	2158.471	7521.348	2218.993
720.000	2.491	3.153	0.000	0.000	7280.905	2158.471	7552.344	2218.993
739.910	4.068	5.467	0.000	0.000	7346.191	2158.471	7638.160	2218.993
740.000	4.076	5.472	0.000	0.000	7346.558	2158.471	7638.653	2218.993
746.855	4.659	6.081	0.000	0.000	7376.495	2158.471	7678.249	2218.993
760.000	5.716	7.125	0.000	0.000	7444.684	2158.471	7765.044	2218.993
780.000	6.635	8.269	0.000	0.000	7568.196	2158.471	7918.982	2218.993
790.535	7.539	8.900	0.000	0.000	7642.856	2158.471	8009.418	2218.993
800.000	8.213	9.449	0.000	0.000	7717.401	2158.471	8096.257	2218.993
820.000	9.756	10.348	0.000	0.000	7897.098	2158.471	8294.227	2218.993
840.000	11.029	11.068	0.000	0.000	8104.948	2158.471	8508.381	2218.993
840.000	7.947	7.947	0.000	0.000	8104.948	2158.471	8508.381	2218.993
855.009	7.443	7.443	0.000	0.000	8220.445	2158.471	8623.882	2218.993
860.000	7.320	7.320	0.000	0.000	8257.286	2158.471	8660.725	2218.993
880.000	7.347	7.347	0.000	0.000	8403.961	2158.471	8807.401	2218.993
880.000	9.694	9.694	0.000	0.000	8403.961	2158.471	8807.401	2218.993
900.000	8.791	8.791	0.000	0.000	8588.804	2158.471	8992.244	2218.993

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* * * D E S B R O C E S * * *
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PK inicial : 0.000
PK final : 1562.958

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
920.000	8.219	8.219	0.000	0.000	8758.904	2158.471	9162.344	2218.993
940.000	7.725	7.725	0.000	0.000	8918.344	2158.471	9321.786	2218.993
947.717	7.820	7.820	0.000	0.000	8978.325	2158.471	9381.767	2218.993
960.000	6.807	6.807	0.000	0.000	9068.158	2158.471	9471.600	2218.993
974.265	6.330	6.330	0.000	0.000	9161.854	2158.471	9565.296	2218.993
980.000	6.281	6.282	0.000	0.000	9198.015	2158.471	9601.460	2218.993
1000.000	5.509	5.509	0.000	0.000	9315.916	2158.471	9719.371	2218.993
1012.190	5.459	5.459	0.000	0.000	9382.763	2158.471	9786.218	2218.993
1020.000	5.495	5.498	0.000	0.000	9425.537	2158.471	9829.002	2218.993
1024.265	5.464	5.465	0.000	0.000	9448.907	2158.471	9852.380	2218.993
1040.000	5.051	5.051	0.000	0.000	9531.635	2158.471	9935.119	2218.993
1060.000	3.352	3.352	0.000	0.000	9615.663	2158.471	10019.148	2218.993
1074.265	3.634	3.635	0.000	0.000	9665.490	2158.471	10068.983	2218.993
1080.000	3.663	3.664	0.000	0.000	9686.415	2158.471	10089.912	2218.993
1080.023	3.663	3.663	0.000	0.000	9686.499	2158.471	10089.997	2218.993
1080.033	3.967	3.968	16.631	16.803	9686.537	2158.554	10090.035	2219.077
1100.000	0.000	0.000	20.870	20.952	9726.145	2532.950	10129.649	2596.002
1120.000	0.000	0.000	20.722	20.810	9726.145	2948.873	10129.649	3013.626
1140.000	0.000	0.000	20.500	20.800	9726.145	3361.091	10129.649	3429.734
1149.778	0.000	0.000	20.400	20.598	9726.145	3561.050	10129.649	3632.131
1160.000	0.000	0.000	20.228	20.288	9726.145	3768.701	10129.649	3841.101
1180.000	0.000	0.000	20.147	20.234	9726.145	4172.455	10129.649	4246.324
1200.000	0.000	0.000	20.592	20.691	9726.145	4579.846	10129.649	4655.574
1207.560	0.000	0.000	20.634	20.728	9726.145	4735.679	10129.649	4812.137
1220.000	0.000	0.000	20.747	20.938	9726.145	4993.066	10129.649	5071.294
1220.000	0.000	0.000	20.747	20.938	9726.145	4993.066	10129.649	5071.294
1227.305	0.000	0.000	21.267	21.485	9726.145	5146.521	10129.649	5226.244
1240.000	0.000	0.000	22.271	22.887	9726.145	5422.879	10129.649	5507.900
1260.000	0.000	0.000	23.482	23.983	9726.145	5880.406	10129.649	5976.604
1280.000	2.089	2.090	22.087	22.760	9747.035	6336.096	10150.547	6444.030
1285.086	8.683	8.687	15.445	16.084	9774.428	6431.539	10177.952	6542.810
1300.000	5.652	5.654	18.523	19.244	9881.323	6684.836	10284.895	6806.257
1310.086	8.996	8.999	15.596	16.408	9955.189	6856.899	10358.792	6986.052
1320.000	8.729	8.734	15.906	16.716	10043.051	7013.053	10446.693	7150.250
1340.000	8.411	8.427	16.483	17.312	10214.448	7336.936	10618.302	7490.538
1360.000	11.309	11.320	12.871	13.639	10411.642	7630.472	10815.778	7800.055
1380.000	11.186	11.193	12.290	13.016	10636.586	7882.076	11040.914	8066.608

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AREA DE DESBROCE EN PLANTA

SUPERFICIE REAL

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* * * D E S B R O C E S * * *
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PK inicial : 0.000
PK final : 426.769

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
0.000	11.000	11.096	0.000	0.000	0.000	0.000	0.000	0.000
0.508	11.000	11.100	0.000	0.000	5.588	0.000	5.638	0.000
1.457	10.999	11.107	0.000	0.000	16.026	0.000	16.175	0.000
2.215	10.999	11.114	0.000	0.000	24.364	0.000	24.597	0.000
3.722	10.999	11.126	0.000	0.000	40.939	0.000	41.355	0.000
5.396	10.999	11.129	0.000	0.000	59.352	0.000	59.982	0.000
7.539	11.001	11.131	0.000	0.000	82.924	0.000	83.833	0.000
9.052	11.002	11.136	0.000	0.000	99.570	0.000	100.678	0.000
11.301	11.007	11.135	0.000	0.000	124.319	0.000	125.721	0.000
13.021	11.012	11.137	0.000	0.000	143.256	0.000	144.875	0.000
14.458	11.018	11.144	0.000	0.000	159.084	0.000	160.883	0.000
16.779	11.030	11.173	0.000	0.000	184.670	0.000	186.782	0.000
18.680	11.042	11.214	0.000	0.000	205.650	0.000	208.060	0.000
20.000	11.053	11.250	0.000	0.000	220.233	0.000	222.886	0.000
20.309	11.056	11.260	0.000	0.000	223.649	0.000	226.364	0.000
21.746	11.070	11.298	0.000	0.000	239.546	0.000	242.571	0.000
23.043	11.084	11.310	0.000	0.000	253.912	0.000	257.232	0.000
25.314	11.113	11.349	0.000	0.000	279.117	0.000	282.961	0.000
27.285	11.143	11.383	0.000	0.000	301.050	0.000	305.363	0.000
29.037	11.174	11.365	0.000	0.000	320.600	0.000	325.290	0.000
30.622	11.205	11.619	0.000	0.000	338.335	0.000	343.504	0.000
32.077	11.173	11.563	0.000	0.000	354.615	0.000	360.369	0.000
33.423	11.171	11.557	0.000	0.000	369.653	0.000	375.929	0.000
34.682	11.219	11.621	0.000	0.000	383.747	0.000	390.520	0.000
35.863	11.278	11.684	0.000	0.000	397.032	0.000	404.281	0.000
36.979	11.295	11.730	0.000	0.000	409.627	0.000	417.346	0.000
37.500	11.304	11.711	0.000	0.000	415.514	0.000	423.452	0.000
38.037	11.313	11.707	0.000	0.000	421.587	0.000	429.740	0.000
39.047	11.333	11.701	0.000	0.000	433.023	0.000	441.561	0.000
40.000	11.352	11.703	0.000	0.000	443.832	0.000	452.713	0.000
40.942	11.374	11.706	0.000	0.000	454.536	0.000	463.739	0.000
42.702	11.417	11.696	0.000	0.000	474.592	0.000	484.333	0.000
43.957	11.451	11.725	0.000	0.000	488.942	0.000	499.030	0.000
44.351	11.462	11.740	0.000	0.000	493.456	0.000	503.652	0.000
45.908	11.510	11.814	0.000	0.000	511.340	0.000	521.989	0.000
46.201	11.519	11.829	0.000	0.000	514.713	0.000	525.452	0.000
135.508	0.000	0.000	0.000	0.000	514.713	0.000	525.452	0.000

EJE: 19: RAMAL CALZADA DERECHA - VIÁ LATERAL DERECHA

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* * * D E S B R O C E S * * *
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PK inicial : 0.000
PK final : 426.769

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
140.000	0.000	0.000	0.000	0.000	514.713	0.000	525.452	0.000
160.000	0.000	0.000	0.000	0.000	514.713	0.000	525.452	0.000
177.187	0.000	0.000	0.000	0.000	514.713	0.000	525.452	0.000
180.000	0.000	0.000	0.000	0.000	514.713	0.000	525.452	0.000
185.508	0.000	0.000	0.000	0.000	514.713	0.000	525.452	0.000
189.151	0.000	0.000	0.000	0.000	514.713	0.000	525.452	0.000
193.986	0.000	0.000	0.000	0.000	514.713	0.000	525.452	0.000
200.000	0.000	0.000	0.000	0.000	514.713	0.000	525.452	0.000
218.839	0.000	0.000	0.000	0.000	514.713	0.000	525.452	0.000
220.000	0.000	0.000	0.000	0.000	514.713	0.000	525.452	0.000
235.508	0.000	0.000	0.000	0.000	514.713	0.000	525.452	0.000
240.000	0.000	0.000	0.000	0.000	514.713	0.000	525.452	0.000
260.000	0.000	0.000	0.000	0.000	514.713	0.000	525.452	0.000
280.000	0.000	0.000	0.000	0.000	514.713	0.000	525.452	0.000
300.000	0.000	0.000	0.000	0.000	514.713	0.000	525.452	0.000
300.728	0.000	0.000	0.000	0.000	514.713	0.000	525.452	0.000
319.384	0.000	0.000	0.000	0.000	514.713	0.000	525.452	0.000
320.000	0.000	0.000	0.000	0.000	514.713	0.000	525.452	0.000
327.753	0.000	0.000	0.000	0.000	514.713	0.000	525.452	0.000
340.000	0.000	0.000	0.000	0.000	514.713	0.000	525.452	0.000
350.000	3.716	3.716	0.000	0.000	533.293	0.000	544.032	0.000
360.000	3.742	3.742	0.000	0.000	570.581	0.000	581.320	0.000
364.384	3.743	3.743	0.000	0.000	586.988	0.000	597.727	0.000
380.000	3.861	3.861	0.000	0.000	646.363	0.000	657.103	0.000
400.000	3.970	3.970	0.000	0.000	724.669	0.000	735.414	0.000
409.384	3.991	3.991	0.000	0.000	762.022	0.000	772.769	0.000
420.000	4.000	4.001	0.000	0.000	804.440	0.000	815.193	0.000
426.769	11.999	12.006	2.001	2.096	858.589	6.772	869.367	7.093

***** D E S B R O C E S *****									
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PK inicial		:		0.000					
PK final		:		984.962					
	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
P. K.	-----				-----		-----		
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
-----	-PLANTA-	--REAL--	-PLANTA-	--REAL--	-----	-----	DESMONTE	TERRAPLEN	-----
0.000	12.985	12.999	0.000	0.000	0.000	0.000	0.000	0.000	
20.000	13.634	13.647	0.000	0.000	266.188	0.000	266.464	0.000	
40.000	11.523	11.538	0.000	0.000	517.760	0.000	518.318	0.000	
44.301	11.615	11.639	0.000	0.000	567.519	0.000	568.160	0.000	
45.000	11.646	11.672	0.000	0.000	575.648	0.000	576.307	0.000	
50.000	11.864	11.912	0.000	0.000	634.423	0.000	635.267	0.000	
50.412	11.882	11.931	0.000	0.000	639.315	0.000	640.179	0.000	
55.000	12.083	12.103	0.000	0.000	694.292	0.000	695.313	0.000	
56.412	12.145	12.167	0.000	0.000	711.398	0.000	712.447	0.000	
60.000	12.302	12.331	0.000	0.000	755.256	0.000	756.397	0.000	
65.000	10.079	10.102	2.441	2.456	811.209	6.103	812.480	6.141	
70.000	10.205	10.214	2.535	2.556	861.920	18.543	863.270	18.671	
75.000	10.358	10.371	2.601	2.613	913.327	31.382	914.734	31.592	
79.810	10.667	10.681	2.502	2.515	963.892	43.653	965.364	43.923	
79.984	10.715	10.728	2.462	2.475	965.752	44.085	967.227	44.357	
80.000	10.722	10.736	2.454	2.467	965.923	44.124	967.398	44.397	
83.738	11.260	11.277	1.873	1.878	1007.008	52.212	1008.540	52.517	
85.000	11.377	11.396	1.741	1.746	1021.291	54.493	1022.847	54.803	
86.654	11.482	11.501	1.618	1.623	1040.195	57.271	1041.783	57.589	
90.000	12.237	12.260	0.824	0.826	1079.876	61.355	1081.535	61.686	
95.000	13.002	13.032	0.000	0.000	1142.974	63.414	1144.763	63.752	
100.000	12.944	12.983	0.000	0.000	1207.841	63.414	1209.801	63.752	
105.000	12.886	12.938	0.000	0.000	1272.418	63.414	1274.604	63.752	
108.738	11.757	11.813	1.086	1.103	1318.477	65.444	1320.862	65.813	
110.000	11.304	11.367	1.525	1.564	1333.028	67.091	1335.489	67.495	
111.064	11.222	11.311	1.594	1.636	1345.012	68.751	1347.553	69.197	
115.000	13.679	13.931	2.451	2.681	1394.016	76.713	1397.231	77.694	
120.000	13.172	13.482	3.410	3.728	1461.143	91.367	1465.765	93.716	
123.627	13.155	13.366	3.428	3.503	1508.887	103.769	1514.453	106.828	
124.009	13.827	13.997	2.754	2.797	1514.040	104.950	1519.680	108.031	
125.000	16.547	16.632	0.000	0.000	1529.091	106.314	1534.857	109.417	
130.000	16.461	16.474	0.000	0.000	1611.610	106.314	1617.623	109.417	
135.000	16.514	16.534	0.000	0.000	1694.047	106.314	1700.142	109.417	
140.000	16.610	16.635	0.000	0.000	1776.856	106.314	1783.064	109.417	
145.000	16.495	16.630	0.000	0.000	1859.618	106.314	1866.226	109.417	
150.000	19.001	19.347	0.000	0.000	1948.357	106.314	1956.168	109.417	
155.000	19.514	19.832	0.000	0.000	2044.644	106.314	2054.116	109.417	

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PK inicial : 0.000
PK final : 984.962

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
160.000	20.058	20.564	0.000	0.000	2143.572	106.314	2155.106	109.417
164.209	20.496	20.948	0.000	0.000	2228.916	106.314	2242.468	109.417
164.210	18.245	18.409	0.000	0.000	2228.936	106.314	2242.487	109.417
165.000	5.985	5.998	0.000	0.000	2238.507	106.314	2252.128	109.417
165.960	5.991	6.006	0.000	0.000	2244.255	106.314	2257.890	109.417
166.362	5.998	6.013	0.000	0.000	2246.665	106.314	2260.306	109.417
176.844	6.477	6.490	0.000	0.000	2312.048	106.314	2325.833	109.417
177.251	6.501	6.514	0.000	0.000	2314.689	106.314	2328.479	109.417
180.000	6.697	6.706	0.000	0.000	2332.829	106.314	2346.650	109.417
200.000	10.587	10.591	0.000	0.000	2505.669	106.314	2519.619	109.417
205.320	11.497	11.499	0.000	0.000	2564.413	106.314	2578.377	109.417
220.000	9.211	9.219	0.000	0.000	2716.407	106.314	2730.448	109.417
226.015	7.658	7.671	0.000	0.000	2767.140	106.314	2781.245	109.417
239.000	8.120	8.157	0.000	0.000	2869.578	106.314	2884.010	109.417
240.000	8.179	8.220	0.000	0.000	2877.727	106.314	2892.199	109.417
254.587	10.531	10.563	0.000	0.000	3014.188	106.314	3029.192	109.417
260.000	11.623	11.670	0.000	0.000	3074.148	106.314	3089.365	109.417
261.000	9.375	9.485	0.000	0.000	3084.647	106.314	3099.943	109.417
280.000	13.017	13.074	0.000	0.000	3297.379	106.314	3314.252	109.417
283.158	13.206	13.243	0.000	0.000	3338.785	106.314	3355.806	109.417
287.320	13.182	13.222	0.000	0.000	3393.699	106.314	3410.881	109.417
300.000	13.651	13.684	0.000	0.000	3563.818	106.314	3581.469	109.417
320.000	15.056	15.138	0.000	0.000	3850.891	106.314	3869.694	109.417
340.000	15.929	15.997	0.000	0.000	4160.742	106.314	4181.044	109.417
360.000	17.051	17.150	0.000	0.000	4490.538	106.314	4512.510	109.417
380.000	19.045	19.356	0.000	0.000	4851.496	106.314	4877.574	109.417
400.000	20.587	20.595	0.000	0.000	5247.810	106.314	5277.088	109.417
420.000	22.131	22.190	0.000	0.000	5674.988	106.314	5704.934	109.417
440.000	22.952	23.054	0.000	0.000	6125.820	106.314	6157.373	109.417
447.510	22.946	23.030	0.000	0.000	6298.168	106.314	6330.420	109.417
460.000	22.612	22.657	0.000	0.000	6582.679	106.314	6615.732	109.417
480.000	22.486	22.558	0.000	0.000	7033.654	106.314	7067.883	109.417
484.469	22.139	22.193	0.000	0.000	7133.369	106.314	7167.880	109.417
484.470	22.140	22.193	0.000	0.000	7133.391	106.314	7167.902	109.417
500.000	21.964	21.976	0.000	0.000	7475.859	106.314	7510.874	109.417
520.000	21.589	21.590	0.000	0.000	7911.393	106.314	7946.531	109.417
523.185	21.572	21.572	0.000	0.000	7980.127	106.314	8015.267	109.417

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* * * D E S B R O C E S * * *
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PK inicial : 0.000
PK final : 984.962

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
523.186	21.572	21.572	0.000	0.000	7980.149	106.314	8015.289	109.417
540.000	21.058	21.058	0.000	0.000	8338.538	106.314	8373.684	109.417
550.000	0.332	0.332	0.000	0.000	8445.489	106.314	8480.637	109.417
550.000	0.332	0.332	0.000	0.000	8445.489	106.314	8480.637	109.417
560.000	0.171	0.171	0.000	0.000	8448.006	106.314	8483.154	109.417
560.000	0.171	0.171	0.000	0.000	8448.006	106.314	8483.154	109.417
620.000	0.000	0.000	0.000	0.000	8448.006	106.314	8483.154	109.417
623.305	0.000	0.000	0.000	0.000	8448.006	106.314	8483.154	109.417
640.000	10.444	10.455	0.000	0.000	8535.186	106.314	8570.427	109.417
660.000	10.453	10.516	0.000	0.000	8744.157	106.314	8780.132	109.417
680.000	10.468	11.264	0.000	0.000	8953.374	106.314	8997.927	109.417
700.000	10.494	11.252	0.000	0.000	9162.996	106.314	9223.088	109.417
720.000	10.700	11.279	0.000	0.000	9374.936	106.314	9448.404	109.417
740.000	10.700	11.024	0.000	0.000	9588.936	106.314	9671.436	109.417
746.710	10.700	11.052	0.000	0.000	9660.733	106.314	9745.500	109.417
752.668	10.596	10.930	0.000	0.000	9724.174	106.314	9810.984	109.417
760.000	10.352	10.622	0.000	0.000	9800.972	106.314	9889.996	109.417
780.000	9.687	9.758	0.000	0.000	10001.367	106.314	10093.799	109.417
785.320	9.510	9.580	0.000	0.000	10052.432	106.314	10145.237	109.417
800.000	8.983	9.039	0.000	0.000	10188.174	106.314	10281.896	109.417
820.000	8.609	8.614	0.000	0.000	10364.093	106.314	10458.419	109.417
832.457	8.576	8.579	0.000	0.000	10471.127	106.314	10565.503	109.417
840.000	8.556	8.559	0.000	0.000	10535.740	106.314	10630.140	109.417
844.589	8.544	8.547	0.000	0.000	10574.977	106.314	10669.389	109.417
848.115	8.535	8.537	0.000	0.000	10605.086	106.314	10699.508	109.417
857.833	7.958	7.961	0.000	0.000	10685.224	106.314	10779.676	109.417
859.660	8.343	8.346	0.000	0.000	10700.116	106.314	10794.573	109.417
860.000	8.202	8.205	0.000	0.000	10702.928	106.314	10797.387	109.417
861.491	8.485	8.488	0.000	0.000	10715.369	106.314	10809.831	109.417
863.068	8.412	8.419	0.000	0.000	10728.693	106.314	10823.162	109.417
863.328	8.400	8.406	0.000	0.000	10730.878	106.314	10825.349	109.417
865.172	8.375	8.384	0.000	0.000	10746.345	106.314	10840.830	109.417
867.025	8.281	8.292	0.000	0.000	10761.777	106.314	10856.279	109.417
868.891	8.185	8.187	0.000	0.000	10777.140	106.314	10871.654	109.417
870.770	8.100	8.103	0.000	0.000	10792.439	106.314	10886.959	109.417
872.430	8.024	8.026	0.000	0.000	10805.822	106.314	10900.346	109.417
874.105	7.948	7.951	0.000	0.000	10819.199	106.314	10913.727	109.417

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 DESBROCES
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PK inicial : 0.000
 PK final : 984.962

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
875.796	7.896	7.899	0.000	0.000	10832.595	106.314	10927.128	109.417
877.507	7.846	7.849	0.000	0.000	10846.062	106.314	10940.600	109.417
879.239	7.798	7.800	0.000	0.000	10859.610	106.314	10954.153	109.417
880.000	7.777	7.779	0.000	0.000	10865.537	106.314	10960.081	109.417
880.996	7.751	7.753	0.000	0.000	10873.270	106.314	10967.816	109.417
882.779	7.707	7.709	0.000	0.000	10887.051	106.314	10981.601	109.417
884.589	7.664	7.666	0.000	0.000	10900.962	106.314	10995.515	109.417
884.594	7.664	7.666	0.000	0.000	10901.000	106.314	10995.554	109.417
886.443	7.624	7.626	0.000	0.000	10915.134	106.314	11009.691	109.417
888.115	7.590	7.592	0.000	0.000	10927.853	106.314	11022.414	109.417
888.332	7.586	7.588	0.000	0.000	10929.500	106.314	11024.061	109.417
890.264	7.551	7.553	0.000	0.000	10944.122	106.314	11038.687	109.417
892.245	7.519	7.522	0.000	0.000	10959.050	106.314	11053.618	109.417
894.278	7.491	7.497	0.000	0.000	10974.307	106.314	11068.885	109.417
896.367	7.465	7.468	0.000	0.000	10989.929	106.314	11084.515	109.417
898.517	7.444	7.446	0.000	0.000	11005.957	106.314	11100.547	109.417
900.000	7.432	7.434	0.000	0.000	11016.988	106.314	11111.581	109.417
900.734	7.427	7.429	0.000	0.000	11022.441	106.314	11117.035	109.417
903.025	7.415	7.417	0.000	0.000	11039.442	106.314	11134.041	109.417
905.396	7.407	7.409	0.000	0.000	11057.014	106.314	11151.617	109.417
906.615	7.406	7.408	0.000	0.000	11066.042	106.314	11160.648	109.417
907.858	7.406	7.408	0.000	0.000	11075.247	106.314	11169.856	109.417
909.127	7.407	7.410	0.000	0.000	11084.646	106.314	11179.258	109.417
910.421	7.410	7.413	0.000	0.000	11094.233	106.314	11188.848	109.417
911.176	7.413	7.416	0.000	0.000	11099.829	106.314	11194.446	109.417
912.246	7.418	7.420	0.000	0.000	11107.764	106.314	11202.384	109.417
912.712	7.420	7.423	0.000	0.000	11111.221	106.314	11205.842	109.417
914.290	7.430	7.433	0.000	0.000	11122.938	106.314	11217.563	109.417
915.915	7.414	7.417	0.000	0.000	11134.999	106.314	11229.629	109.417
917.590	7.369	7.372	0.000	0.000	11147.380	106.314	11242.014	109.417
918.270	7.351	7.354	0.000	0.000	11152.384	106.314	11247.021	109.417
919.320	7.325	7.327	0.000	0.000	11160.089	106.314	11254.729	109.417
920.000	7.308	7.311	0.000	0.000	11165.065	106.314	11259.706	109.417
921.112	7.283	7.286	0.000	0.000	11173.177	106.314	11267.822	109.417
922.972	7.242	7.244	0.000	0.000	11186.685	106.314	11281.335	109.417
924.909	7.204	7.206	0.000	0.000	11200.676	106.314	11295.330	109.417
926.934	7.167	7.170	0.000	0.000	11215.227	106.314	11309.886	109.417

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 DESBROCES
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PK inicial : 0.000
PK final : 984.962

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
929.059	7.134	7.136	0.000	0.000	11230.422	106.314	11325.085	109.417
931.300	7.103	7.105	0.000	0.000	11246.374	106.314	11341.043	109.417
933.680	7.076	7.078	0.000	0.000	11263.248	106.314	11357.921	109.417
934.930	7.065	7.066	0.000	0.000	11272.086	106.314	11366.761	109.417
936.227	7.054	7.056	0.000	0.000	11281.242	106.314	11375.919	109.417
937.578	7.045	7.046	0.000	0.000	11290.766	106.314	11385.445	109.417
938.325	7.040	7.042	0.000	0.000	11296.027	106.314	11390.707	109.417
940.000	7.033	7.034	0.000	0.000	11307.813	106.314	11402.495	109.417
940.013	7.033	7.034	0.000	0.000	11307.904	106.314	11402.587	109.417
941.802	7.028	7.029	0.000	0.000	11320.481	106.314	11415.166	109.417
941.847	7.028	7.029	0.000	0.000	11320.798	106.314	11415.482	109.417
943.714	7.018	7.019	0.000	0.000	11333.909	106.314	11428.596	109.417
944.725	6.992	6.994	0.000	0.000	11340.991	106.314	11435.680	109.417
944.962	6.986	6.988	0.000	0.000	11342.647	106.314	11437.337	109.417
945.778	6.967	6.969	0.000	0.000	11348.340	106.314	11443.031	109.417
946.878	6.942	6.944	0.000	0.000	11355.990	106.314	11450.683	109.417
948.030	6.916	6.920	0.000	0.000	11363.972	106.314	11458.668	109.417
949.239	6.891	6.897	0.000	0.000	11372.319	106.314	11467.021	109.417
950.513	6.866	6.875	0.000	0.000	11381.082	106.314	11475.794	109.417
951.847	6.841	6.853	0.000	0.000	11390.225	106.314	11484.950	109.417
951.857	6.841	6.853	0.000	0.000	11390.294	106.314	11485.019	109.417
953.282	6.816	6.831	0.000	0.000	11400.025	106.314	11494.769	109.417
954.805	6.792	6.794	0.000	0.000	11410.387	106.314	11505.145	109.417
956.425	6.767	6.770	0.000	0.000	11421.370	106.314	11516.131	109.417
958.161	6.743	6.746	0.000	0.000	11433.097	106.314	11527.862	109.417
960.000	6.720	6.722	0.000	0.000	11445.477	106.314	11540.246	109.417
960.030	6.720	6.722	0.000	0.000	11445.678	106.314	11540.448	109.417
962.062	6.696	6.698	0.000	0.000	11459.309	106.314	11554.083	109.417
964.424	6.672	6.674	0.000	0.000	11475.098	106.314	11569.876	109.417
965.807	6.660	6.662	0.000	0.000	11484.317	106.314	11579.098	109.417
967.368	6.646	6.648	0.000	0.000	11494.702	106.314	11589.487	109.417
969.195	6.633	6.635	0.000	0.000	11506.833	106.314	11601.621	109.417
971.433	6.623	6.625	0.000	0.000	11521.667	106.314	11616.458	109.417
972.825	6.618	6.620	0.000	0.000	11530.883	106.314	11625.676	109.417
974.503	6.613	6.614	0.000	0.000	11541.983	106.314	11636.780	109.417
976.701	6.607	6.617	0.000	0.000	11556.512	106.314	11651.322	109.417
978.263	6.605	6.617	0.000	0.000	11566.830	106.314	11661.658	109.417

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PROYECTO :
EJE: 20: RAMAL CV35(A) - CALZADA DERECHA

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PK inicial : 0.000

PK final : 984.962

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
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	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
-----	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
980.000	6.603	6.613	0.000	0.000	11578.301	106.314	11673.148	109.417
980.569	6.603	6.604	0.000	0.000	11582.058	106.314	11676.909	109.417
981.847	6.602	6.604	0.000	0.000	11590.496	106.314	11685.349	109.417
982.782	6.601	6.603	0.000	0.000	11596.668	106.314	11691.523	109.417
984.960	8.200	8.203	0.000	0.000	11612.786	106.314	11707.647	109.417
984.961	8.200	8.203	0.000	0.000	11612.794	106.314	11707.655	109.417
984.962	8.200	8.203	0.000	0.000	11612.803	106.314	11707.663	109.417

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PK inicial : 0.000
PK final : 206.989

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
0.000	14.609	15.063	0.000	0.000	0.000	0.000	0.000	0.000
11.250	7.308	7.365	0.000	0.000	123.288	0.000	126.157	0.000
20.000	7.519	7.534	0.000	0.000	188.158	0.000	191.343	0.000
39.319	7.556	7.556	0.000	0.000	333.780	0.000	337.111	0.000
40.000	7.554	7.554	0.000	0.000	338.925	0.000	342.256	0.000
50.569	7.516	7.522	0.000	0.000	418.564	0.000	421.928	0.000
55.975	7.526	7.539	0.000	0.000	459.225	0.000	462.638	0.000
60.000	7.576	7.580	0.000	0.000	489.619	0.000	493.063	0.000
60.000	7.576	7.580	0.000	0.000	489.619	0.000	493.063	0.000
70.975	7.702	7.712	0.000	0.000	573.460	0.000	576.975	0.000
80.000	7.799	7.811	0.000	0.000	643.409	0.000	647.023	0.000
85.244	7.847	7.850	0.000	0.000	684.433	0.000	688.086	0.000
85.975	7.831	7.835	0.000	0.000	690.163	0.000	693.819	0.000
87.098	7.807	7.815	0.000	0.000	698.944	0.000	702.606	0.000
88.966	7.774	7.782	0.000	0.000	713.497	0.000	717.173	0.000
90.849	7.768	7.781	0.000	0.000	728.130	0.000	731.825	0.000
92.747	7.763	7.775	0.000	0.000	742.869	0.000	746.587	0.000
93.503	7.758	7.771	0.000	0.000	748.736	0.000	752.464	0.000
94.661	7.744	7.758	0.000	0.000	757.712	0.000	761.455	0.000
96.590	7.738	7.756	0.000	0.000	772.644	0.000	776.417	0.000
98.536	7.326	7.343	0.000	0.000	787.301	0.000	791.109	0.000
100.000	7.361	7.371	0.000	0.000	798.051	0.000	801.880	0.000
100.498	7.372	7.381	0.000	0.000	801.720	0.000	805.554	0.000
102.477	7.416	7.438	0.000	0.000	816.353	0.000	820.218	0.000
104.159	7.449	7.472	0.000	0.000	828.854	0.000	832.758	0.000
105.856	7.483	7.510	0.000	0.000	841.524	0.000	845.471	0.000
107.565	7.458	7.498	0.000	0.000	854.290	0.000	858.296	0.000
108.503	7.473	7.546	0.000	0.000	861.293	0.000	865.351	0.000
109.288	7.472	7.478	0.000	0.000	867.159	0.000	871.248	0.000
111.024	7.496	7.502	0.000	0.000	880.151	0.000	884.250	0.000
112.774	7.622	7.625	0.000	0.000	893.378	0.000	897.486	0.000
114.539	7.669	7.673	0.000	0.000	906.872	0.000	910.987	0.000
116.318	7.719	7.732	0.000	0.000	920.559	0.000	924.690	0.000
118.112	7.780	7.796	0.000	0.000	934.461	0.000	938.619	0.000
119.921	7.841	7.860	0.000	0.000	948.591	0.000	952.780	0.000
120.000	7.844	7.862	0.000	0.000	949.210	0.000	953.401	0.000
121.747	7.889	7.908	0.000	0.000	962.953	0.000	967.176	0.000

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* * * D E S B R O C E S * * *
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PK inicial : 0.000
PK final : 206.989

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
123.503	7.935	7.952	0.000	0.000	976.846	0.000	981.100	0.000
123.588	7.937	7.954	0.000	0.000	977.521	0.000	981.776	0.000
125.449	7.984	8.004	0.000	0.000	992.336	0.000	996.625	0.000
127.324	8.031	8.053	0.000	0.000	1007.349	0.000	1011.679	0.000
129.217	8.076	8.121	0.000	0.000	1022.595	0.000	1026.987	0.000
131.128	8.123	8.167	0.000	0.000	1038.073	0.000	1042.551	0.000
133.058	8.168	8.209	0.000	0.000	1053.794	0.000	1058.354	0.000
135.007	8.211	8.269	0.000	0.000	1069.756	0.000	1074.412	0.000
136.976	8.245	8.259	0.000	0.000	1085.956	0.000	1090.684	0.000
138.965	8.288	8.351	0.000	0.000	1102.398	0.000	1107.203	0.000
140.000	8.307	8.320	0.000	0.000	1110.986	0.000	1115.830	0.000
140.975	8.325	8.342	0.000	0.000	1119.094	0.000	1123.953	0.000
143.007	8.345	8.378	0.000	0.000	1136.030	0.000	1140.941	0.000
145.061	8.333	8.414	0.000	0.000	1153.158	0.000	1158.187	0.000
147.139	8.320	8.497	0.000	0.000	1170.460	0.000	1175.758	0.000
149.241	8.308	8.420	0.000	0.000	1187.937	0.000	1193.538	0.000
151.367	8.296	8.389	0.000	0.000	1205.587	0.000	1211.407	0.000
153.519	8.283	8.499	0.000	0.000	1223.426	0.000	1229.578	0.000
155.698	8.270	8.355	0.000	0.000	1241.461	0.000	1247.940	0.000
157.905	8.257	8.341	0.000	0.000	1259.700	0.000	1266.364	0.000
160.000	8.245	8.332	0.000	0.000	1276.986	0.000	1283.828	0.000
160.140	8.245	8.331	0.000	0.000	1278.140	0.000	1284.994	0.000
162.406	8.231	8.324	0.000	0.000	1296.807	0.000	1303.864	0.000
164.703	8.218	8.300	0.000	0.000	1315.699	0.000	1322.957	0.000
165.599	8.211	8.291	0.000	0.000	1323.059	0.000	1330.390	0.000
166.730	8.196	8.280	0.000	0.000	1332.338	0.000	1339.761	0.000
167.869	8.181	8.265	0.000	0.000	1341.665	0.000	1349.183	0.000
169.017	8.165	8.258	0.000	0.000	1351.047	0.000	1358.667	0.000
170.172	8.150	8.264	0.000	0.000	1360.469	0.000	1368.208	0.000
171.337	8.134	8.256	0.000	0.000	1369.955	0.000	1377.831	0.000
172.509	8.119	8.289	0.000	0.000	1379.479	0.000	1387.526	0.000
173.691	8.103	8.232	0.000	0.000	1389.066	0.000	1397.290	0.000
174.082	8.097	8.228	0.000	0.000	1392.233	0.000	1400.508	0.000
174.882	8.087	8.221	0.000	0.000	1398.707	0.000	1407.088	0.000
176.084	8.071	8.208	0.000	0.000	1408.417	0.000	1416.961	0.000
177.304	8.054	8.133	0.000	0.000	1418.253	0.000	1426.930	0.000
178.549	8.037	8.105	0.000	0.000	1428.270	0.000	1437.038	0.000

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* * * D E S B R O C E S * * *
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PK inicial : 0.000
PK final : 206.989

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
179.828	8.020	8.078	0.000	0.000	1438.539	0.000	1447.387	0.000
180.000	8.018	8.075	0.000	0.000	1439.918	0.000	1448.776	0.000
181.154	8.002	8.053	0.000	0.000	1449.162	0.000	1458.082	0.000
182.538	7.984	8.031	0.000	0.000	1460.224	0.000	1469.212	0.000
184.002	7.964	8.015	0.000	0.000	1471.897	0.000	1480.958	0.000
185.578	7.943	7.973	0.000	0.000	1484.431	0.000	1493.557	0.000
185.653	7.941	7.972	0.000	0.000	1485.027	0.000	1494.155	0.000
187.317	7.919	7.948	0.000	0.000	1498.223	0.000	1507.400	0.000
189.292	7.886	7.899	0.000	0.000	1513.830	0.000	1523.049	0.000
191.639	7.840	7.859	0.000	0.000	1532.284	0.000	1541.541	0.000
193.041	7.810	7.829	0.000	0.000	1543.255	0.000	1552.539	0.000
194.708	7.781	7.793	0.000	0.000	1556.250	0.000	1565.560	0.000
195.418	7.768	7.783	0.000	0.000	1561.770	0.000	1571.089	0.000
196.897	7.737	7.746	0.000	0.000	1573.237	0.000	1582.573	0.000
198.402	7.699	7.709	0.000	0.000	1584.852	0.000	1594.203	0.000
200.000	7.660	7.671	0.000	0.000	1597.123	0.000	1606.492	0.000
200.639	7.646	7.660	0.000	0.000	1602.013	0.000	1611.390	0.000
202.598	7.603	7.635	0.000	0.000	1616.949	0.000	1626.372	0.000
204.699	7.550	7.558	0.000	0.000	1632.868	0.000	1642.332	0.000
206.639	7.497	7.503	0.000	0.000	1647.464	0.000	1656.941	0.000
206.989	19.010	19.113	0.000	0.000	1652.103	0.000	1661.598	0.000

***** D E S B R O C E S *****									
PK inicial		:		0.000					
PK final		:		992.132					
P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	
	-PLANTA-	--REAL--	-PLANTA-	--REAL--					
0.000	6.057	6.063	0.524	0.572	0.000	0.000	0.000	0.000	
2.608	6.156	6.201	0.467	0.510	15.926	1.292	15.992	1.410	
4.000	6.207	6.271	0.439	0.473	24.531	1.923	24.673	2.094	
6.000	6.251	6.299	0.429	0.456	36.989	2.792	37.242	3.023	
8.000	6.278	6.300	0.436	0.450	49.517	3.657	49.841	3.928	
10.000	6.335	6.350	0.412	0.416	62.129	4.504	62.490	4.795	
10.347	6.341	6.355	0.411	0.416	64.329	4.647	64.695	4.939	
20.000	6.365	6.380	0.387	0.388	125.656	8.497	126.160	8.817	
40.000	6.605	6.616	0.302	0.303	255.356	15.379	256.115	15.723	
60.000	7.108	7.110	0.136	0.136	392.484	19.757	393.375	20.113	
70.000	7.367	7.369	0.043	0.043	464.861	20.654	465.771	21.011	
70.000	7.367	7.369	0.043	0.043	464.861	20.654	465.771	21.011	
72.888	10.522	10.526	0.000	0.000	490.693	20.716	491.611	21.073	
75.000	9.588	9.593	0.000	0.000	511.930	20.716	512.856	21.073	
75.000	9.600	9.605	0.019	0.019	511.930	20.716	512.856	21.073	
76.008	9.661	9.667	0.025	0.025	521.637	20.738	522.569	21.096	
80.000	9.762	9.770	0.035	0.035	560.405	20.859	561.365	21.217	
86.016	9.799	9.805	0.023	0.023	619.245	21.034	620.247	21.391	
100.000	10.005	10.008	0.000	0.000	757.715	21.192	758.782	21.549	
102.551	10.081	10.083	0.000	0.000	783.334	21.192	784.409	21.549	
120.000	9.348	9.351	0.142	0.142	952.844	22.429	953.961	22.787	
124.896	9.383	9.386	0.107	0.107	998.698	23.038	999.829	23.397	
140.000	9.444	9.446	0.046	0.046	1140.877	24.197	1142.049	24.556	
160.000	9.940	9.943	0.000	0.000	1334.713	24.659	1335.941	25.018	
180.000	9.251	9.266	0.239	0.239	1526.625	27.045	1528.032	27.406	
200.000	9.271	9.279	0.219	0.219	1711.851	31.618	1713.482	31.984	
217.720	9.375	9.394	0.115	0.116	1877.054	34.578	1878.928	34.949	
220.000	9.387	9.407	0.108	0.109	1898.443	34.833	1900.361	35.205	
220.000	8.062	8.081	0.108	0.109	1898.443	34.833	1900.361	35.205	
225.095	10.263	10.285	0.064	0.064	1945.125	35.271	1947.150	35.645	
239.897	13.201	13.225	0.000	0.000	2118.787	35.742	2121.148	36.118	
240.000	13.203	13.226	0.000	0.000	2120.147	35.742	2122.511	36.118	
240.000	13.203	13.226	0.000	0.000	2120.147	35.742	2122.511	36.118	
260.000	13.191	13.200	0.000	0.000	2384.090	35.742	2386.775	36.118	
261.405	13.252	13.261	0.000	0.000	2402.666	35.742	2405.363	36.118	
280.000	12.396	12.403	0.000	0.000	2641.122	35.742	2643.970	36.118	
300.000	11.845	11.876	0.000	0.000	2883.530	35.742	2886.761	36.118	

* * * D E S B R O C E S * * *

PK inicial : 0.000
PK final : 992.132

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
320.000	11.902	11.907	0.000	0.000	3121.002	35.742	3124.588	36.118
340.000	12.312	12.322	0.000	0.000	3363.138	35.742	3366.872	36.118
345.728	12.351	12.366	0.000	0.000	3433.773	35.742	3437.579	36.118
360.000	11.870	11.874	0.000	0.000	3606.618	35.742	3610.556	36.118
372.694	12.697	12.760	0.000	0.000	3762.544	35.742	3766.906	36.118
374.366	12.924	13.000	0.000	0.000	3783.963	35.742	3788.441	36.118
375.000	13.016	13.098	0.000	0.000	3792.186	35.742	3796.714	36.118
380.000	13.624	13.739	0.000	0.000	3858.786	35.742	3863.807	36.118
382.014	13.775	13.897	0.000	0.000	3886.376	35.742	3891.637	36.118
400.000	15.581	15.803	0.000	0.000	4150.369	35.742	4158.729	36.118
401.000	18.184	18.433	0.000	0.000	4167.251	35.742	4175.847	36.118
404.000	18.828	19.139	0.000	0.000	4222.768	35.742	4232.205	36.118
405.000	19.045	19.367	0.000	0.000	4241.704	35.742	4251.458	36.118
415.000	20.380	20.843	0.000	0.000	4438.830	35.742	4452.507	36.118
420.000	21.921	22.402	0.000	0.000	4544.585	35.742	4560.620	36.118
425.140	23.527	23.922	0.000	0.000	4661.387	35.742	4679.673	36.118
440.000	23.427	23.752	0.000	0.000	5010.254	35.742	5033.889	36.118
456.522	22.964	23.570	0.000	0.000	5393.485	35.742	5424.820	36.118
460.000	22.842	23.586	0.000	0.000	5473.142	35.742	5506.825	36.118
480.000	21.684	22.171	0.000	0.000	5918.403	35.742	5964.402	36.118
480.100	13.043	13.241	0.000	0.000	5920.139	35.742	5966.173	36.118
480.200	13.038	13.233	0.000	0.000	5921.443	35.742	5967.497	36.118
480.300	13.033	13.225	0.000	0.000	5922.747	35.742	5968.819	36.118
492.523	7.743	7.758	0.000	0.000	6049.716	35.742	6097.056	36.118
499.912	8.332	8.503	0.000	0.000	6109.105	35.742	6157.130	36.118
500.000	9.358	9.580	0.000	0.000	6109.883	35.742	6157.925	36.118
500.000	9.358	9.580	0.000	0.000	6109.883	35.742	6157.925	36.118
520.000	5.012	5.062	0.008	0.009	6253.583	35.827	6304.347	36.204
539.890	5.702	6.278	0.004	0.004	6360.131	35.955	6417.132	36.335
540.000	5.698	6.271	0.004	0.004	6360.758	35.956	6417.822	36.335
560.000	5.009	5.145	0.011	0.011	6467.825	36.109	6531.977	36.495
564.294	5.008	5.066	0.012	0.012	6489.332	36.157	6553.901	36.545
571.389	5.008	5.041	0.012	0.012	6524.865	36.241	6589.757	36.631
580.000	5.008	5.039	0.012	0.012	6567.988	36.345	6633.156	36.736
580.000	5.008	5.039	0.012	0.012	6567.988	36.345	6633.156	36.736
590.000	5.008	5.067	0.012	0.012	6618.070	36.463	6683.686	36.855
590.000	5.008	5.067	0.012	0.012	6618.070	36.463	6683.686	36.855

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* * * D E S B R O C E S * * *
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PK inicial : 0.000
PK final : 992.132

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
600.000	5.008	5.079	0.012	0.012	6668.153	36.581	6734.420	36.974
604.979	5.008	5.180	0.012	0.012	6693.088	36.639	6759.961	37.034
620.000	5.013	5.492	0.007	0.007	6768.356	36.777	6840.113	37.182
640.000	5.019	5.228	0.001	0.001	6868.676	36.857	6947.305	37.270
655.436	5.020	5.140	0.000	0.000	6946.151	36.871	7027.322	37.285
660.000	5.020	5.142	0.000	0.000	6969.062	36.872	7050.786	37.285
673.962	5.020	5.035	0.000	0.000	7039.151	36.872	7121.833	37.285
680.000	5.020	5.043	0.000	0.000	7069.462	36.872	7152.258	37.285
691.120	5.020	5.035	0.000	0.000	7125.284	36.872	7208.291	37.285
700.000	5.020	5.034	0.000	0.000	7169.862	36.872	7253.000	37.285
715.139	5.020	5.045	0.000	0.000	7245.859	36.872	7329.299	37.285
716.000	5.020	5.047	0.000	0.000	7250.182	36.872	7333.643	37.285
718.000	5.020	5.048	0.000	0.000	7260.222	36.872	7343.738	37.285
720.000	5.020	5.051	0.000	0.000	7270.262	36.872	7353.837	37.285
722.000	5.020	5.051	0.000	0.000	7280.302	36.872	7363.939	37.285
724.000	5.020	5.050	0.000	0.000	7290.342	36.872	7374.040	37.285
724.278	5.020	5.050	0.000	0.000	7291.737	36.872	7375.444	37.285
740.000	5.015	5.228	0.005	0.005	7370.625	36.909	7456.237	37.324
743.313	5.012	5.233	0.008	0.008	7387.235	36.930	7473.565	37.346
745.000	5.011	5.281	0.009	0.010	7395.689	36.944	7482.433	37.361
750.000	5.007	5.507	0.013	0.015	7420.734	36.999	7509.403	37.422
755.000	5.005	5.380	0.015	0.015	7445.765	37.068	7536.621	37.497
756.169	5.005	5.396	0.015	0.015	7451.616	37.086	7542.919	37.515
760.000	4.575	5.777	0.010	0.010	7469.967	37.134	7564.320	37.564
780.000	5.020	5.020	0.000	0.000	7565.917	37.236	7672.288	37.667
788.714	5.020	5.021	0.000	0.000	7609.661	37.236	7716.036	37.667
790.000	5.020	5.020	0.000	0.000	7616.117	37.236	7722.492	37.667
800.000	5.020	5.205	0.000	0.000	7666.317	37.236	7773.616	37.667
810.000	5.018	5.018	0.002	0.002	7716.505	37.247	7824.730	37.679
810.397	5.018	5.018	0.002	0.002	7718.497	37.248	7826.722	37.680
820.000	5.008	5.747	0.012	0.013	7766.636	37.317	7878.411	37.755
830.587	5.009	5.288	0.012	0.012	7819.658	37.441	7936.826	37.890
835.000	5.010	5.313	0.010	0.010	7841.765	37.487	7960.218	37.939
840.000	5.013	5.229	0.007	0.008	7866.823	37.529	7986.573	37.983
845.000	5.015	5.206	0.005	0.005	7891.892	37.560	8012.659	38.016
846.730	5.016	5.199	0.004	0.004	7900.569	37.568	8021.659	38.024
856.576	5.019	5.154	0.000	0.001	7949.974	37.590	8072.625	38.047

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AREA DE DESBROCE EN PLANTA

SUPERFICIE REAL

PK inicial	:	0.000
PK final	:	71.560

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
0.000	6.213	6.214	0.000	0.000	0.000	0.000	0.000	0.000
0.204	6.313	6.314	0.000	0.000	1.278	0.000	1.278	0.000
5.000	6.431	6.434	0.000	0.000	31.835	0.000	31.847	0.000
10.000	7.820	7.826	0.000	0.000	67.461	0.000	67.497	0.000
15.000	6.692	6.698	2.052	2.054	103.740	5.129	103.807	5.135
18.000	7.124	7.127	3.785	3.787	124.464	13.884	124.544	13.896
20.000	6.885	6.886	4.544	4.545	138.472	22.214	138.557	22.227
20.204	6.880	6.882	4.602	4.602	139.876	23.146	139.962	23.161
25.000	6.809	6.814	5.898	5.900	172.703	48.324	172.804	48.345
29.243	6.860	6.861	6.915	6.918	201.701	75.506	201.817	75.538
30.000	6.785	6.786	6.986	6.989	206.865	80.768	206.982	80.802
35.000	4.960	4.962	7.517	7.522	236.228	117.026	236.353	117.080
40.000	5.278	5.281	7.469	7.479	261.825	154.493	261.962	154.581
40.204	5.250	5.253	7.502	7.511	262.899	156.020	263.036	156.110
45.000	4.814	4.817	8.123	8.133	287.032	193.489	287.183	193.626
47.243	4.479	4.484	8.537	8.548	297.454	212.172	297.614	212.334
60.000	2.967	2.970	10.261	10.277	344.953	332.074	345.155	332.408
71.560	2.057	2.059	11.420	11.443	373.990	457.393	374.218	457.948

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PK inicial		:	0.000						
PK final		:	224.792						
P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	
	-PLANTA-	--REAL--	-PLANTA-	--REAL--					
0.000	8.334	8.334	0.000	0.000	0.000	0.000	0.000	0.000	
3.636	9.555	9.558	0.000	0.000	32.522	0.000	32.528	0.000	
5.000	9.841	9.843	0.000	0.000	45.750	0.000	45.760	0.000	
10.000	10.019	10.021	0.000	0.000	95.400	0.000	95.420	0.000	
20.000	13.189	13.282	0.000	0.000	211.438	0.000	211.938	0.000	
25.000	16.218	16.582	0.000	0.000	284.956	0.000	286.598	0.000	
30.000	18.164	19.541	0.000	0.000	370.911	0.000	376.905	0.000	
40.000	23.521	23.521	0.000	0.000	579.333	0.000	592.214	0.000	
45.000	17.224	18.516	0.000	0.000	681.194	0.000	697.306	0.000	
50.000	14.025	14.718	0.000	0.000	759.318	0.000	780.390	0.000	
55.000	12.135	12.353	0.000	0.000	824.719	0.000	848.067	0.000	
60.000	10.554	10.600	0.000	0.000	881.442	0.000	905.449	0.000	
65.000	10.056	10.147	0.000	0.000	932.968	0.000	957.317	0.000	
70.000	8.481	8.532	0.000	0.000	979.311	0.000	1004.014	0.000	
75.000	9.342	9.356	0.000	0.000	1023.869	0.000	1048.732	0.000	
80.000	8.862	8.877	0.000	0.000	1069.379	0.000	1094.313	0.000	
85.000	8.826	8.842	0.000	0.000	1113.600	0.000	1138.611	0.000	
90.000	8.669	8.679	0.000	0.000	1157.337	0.000	1182.414	0.000	
95.000	8.708	8.717	0.000	0.000	1200.779	0.000	1225.905	0.000	
100.000	8.444	8.447	0.000	0.000	1243.658	0.000	1268.816	0.000	
105.000	9.502	9.521	0.000	0.000	1288.522	0.000	1313.737	0.000	
110.000	8.110	8.119	0.000	0.000	1332.551	0.000	1357.839	0.000	
115.000	8.752	8.762	0.000	0.000	1374.706	0.000	1400.042	0.000	
120.000	8.929	8.944	0.000	0.000	1418.907	0.000	1444.307	0.000	
125.000	8.579	8.581	0.000	0.000	1462.677	0.000	1488.121	0.000	
130.000	8.687	8.691	0.000	0.000	1505.841	0.000	1531.301	0.000	
135.000	7.120	7.123	0.000	0.000	1545.356	0.000	1570.834	0.000	
140.000	6.912	6.914	1.408	1.408	1580.436	3.519	1605.927	3.520	
145.000	7.891	7.896	0.000	0.000	1617.445	7.038	1642.953	7.040	
148.859	7.812	7.816	0.000	0.000	1647.746	7.038	1673.269	7.040	
150.000	7.839	7.845	0.000	0.000	1656.675	7.038	1682.203	7.040	
155.000	7.794	7.794	0.000	0.000	1695.759	7.038	1721.301	7.040	
160.000	8.938	8.947	0.000	0.000	1737.589	7.038	1763.155	7.040	
165.000	5.176	5.180	3.274	3.280	1772.873	15.224	1798.475	15.239	
170.000	1.664	1.664	7.515	7.522	1789.974	42.197	1815.586	42.244	
175.000	8.498	8.679	0.000	0.000	1815.380	60.985	1841.444	61.050	
180.000	7.623	7.689	1.282	1.352	1855.684	64.190	1882.366	64.430	

EJE: 32: ACCESO COLEGIO - VIAL

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* * * D E S B R O C E S * * *
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PK inicial : 0.000
PK final : 224.792

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
185.000	5.191	5.194	3.622	3.623	1887.718	76.452	1914.574	76.866
186.657	0.000	0.000	9.069	9.071	1892.019	86.967	1918.877	87.383
190.000	0.000	0.000	9.414	9.414	1892.019	117.861	1918.877	118.281
195.000	0.000	0.000	9.913	9.913	1892.019	166.178	1918.877	166.598
200.000	0.000	0.000	9.603	9.603	1892.019	214.966	1918.877	215.387
205.000	1.183	1.185	7.508	7.511	1894.976	257.744	1921.840	258.171
210.000	7.759	7.761	0.000	0.000	1917.332	276.514	1944.204	276.949
215.000	7.357	7.358	0.000	0.000	1955.124	276.514	1982.001	276.949
220.000	6.967	6.968	0.000	0.000	1990.936	276.514	2017.814	276.949
224.792	8.275	8.283	0.000	0.000	2027.457	276.514	2054.353	276.949

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PK inicial : 0.000
PK final : 96.982

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
0.000	9.752	9.786	0.000	0.000	0.000	0.000	0.000	0.000
5.000	9.117	9.193	0.000	0.000	47.172	0.000	47.448	0.000
9.302	9.565	9.565	0.000	0.000	87.357	0.000	87.797	0.000
10.000	9.534	9.534	0.000	0.000	94.023	0.000	94.463	0.000
15.000	9.150	9.153	0.000	0.000	140.734	0.000	141.180	0.000
20.000	8.451	8.451	0.000	0.000	184.737	0.000	185.191	0.000
25.000	9.810	9.814	0.000	0.000	230.391	0.000	230.854	0.000
30.000	9.720	9.720	0.000	0.000	279.216	0.000	279.688	0.000
35.000	9.486	9.486	0.000	0.000	327.231	0.000	327.703	0.000
40.000	9.754	9.763	0.000	0.000	375.332	0.000	375.826	0.000
45.000	9.494	9.496	0.000	0.000	423.452	0.000	423.972	0.000
50.000	7.446	7.446	0.000	0.000	465.803	0.000	466.328	0.000
55.000	6.681	6.681	1.795	1.795	501.120	4.488	501.645	4.488
60.000	0.000	0.000	9.502	9.502	517.821	32.730	518.347	32.730
65.000	0.000	0.000	10.519	10.519	517.821	82.781	518.347	82.781
67.459	0.000	0.000	10.009	10.009	517.821	108.020	518.347	108.020
68.000	0.000	0.000	10.836	10.836	517.821	113.658	518.347	113.659
70.000	0.000	0.000	10.557	10.557	517.821	135.051	518.347	135.052
72.000	0.000	0.000	11.823	11.823	517.821	157.431	518.347	157.432
74.000	0.000	0.000	11.369	11.373	517.821	180.623	518.347	180.628
76.000	0.000	0.000	11.661	11.666	517.821	203.653	518.347	203.666
78.000	0.000	0.000	11.825	11.834	517.821	227.139	518.347	227.167
80.000	0.000	0.000	12.028	12.040	517.821	250.992	518.347	251.042
82.000	0.000	0.000	12.244	12.264	517.821	275.263	518.347	275.346
84.000	0.000	0.000	12.681	12.701	517.821	300.189	518.347	300.311
86.000	0.000	0.000	13.424	13.432	517.821	326.293	518.347	326.444
88.000	0.000	0.000	13.794	13.801	517.821	353.510	518.347	353.677
90.000	0.000	0.000	14.177	14.185	517.821	381.481	518.347	381.663
92.000	0.000	0.000	14.618	14.624	517.821	410.276	518.347	410.472
94.000	0.000	0.000	15.063	15.067	517.821	439.957	518.347	440.163
96.000	0.000	0.000	15.500	15.503	517.821	470.520	518.347	470.732
96.982	0.000	0.000	15.709	15.711	517.821	485.843	518.347	486.058

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* * * D E S B R O C E S * * *
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PK inicial : 0.000
PK final : 245.599

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
0.000	6.681	6.691	0.000	0.000	0.000	0.000	0.000	0.000
5.000	6.788	6.798	0.000	0.000	33.673	0.000	33.723	0.000
10.000	5.147	5.153	0.196	0.196	63.510	0.490	63.601	0.491
15.000	4.271	4.277	1.159	1.159	87.054	3.878	87.175	3.880
20.000	6.844	6.856	0.000	0.000	114.841	6.774	115.007	6.779
25.000	6.740	6.747	0.000	0.000	148.800	6.774	149.016	6.779
30.000	5.656	5.657	0.000	0.000	179.790	6.774	180.027	6.779
34.422	0.410	0.416	5.572	5.574	193.201	19.093	193.454	19.102
34.600	0.379	0.384	5.614	5.616	193.271	20.089	193.525	20.098
34.800	0.343	0.348	5.662	5.665	193.343	21.216	193.598	21.226
35.000	0.305	0.309	5.712	5.716	193.408	22.354	193.664	22.364
35.000	1.195	1.200	5.712	5.716	193.408	22.354	193.664	22.364
35.200	1.170	1.174	5.764	5.768	193.645	23.501	193.901	23.513
35.400	1.143	1.147	5.818	5.823	193.876	24.659	194.134	24.672
35.600	1.032	1.034	5.956	5.962	194.094	25.837	194.352	25.850
35.800	0.719	0.721	6.294	6.301	194.269	27.062	194.527	27.076
36.000	0.407	0.408	6.632	6.639	194.381	28.354	194.640	28.370
36.200	0.098	0.098	6.968	6.976	194.432	29.714	194.691	29.732
36.400	0.000	0.000	7.091	7.099	194.442	31.120	194.700	31.139
36.600	0.000	0.000	7.117	7.124	194.442	32.541	194.700	32.562
36.800	0.000	0.000	7.142	7.150	194.442	33.967	194.700	33.989
37.000	0.000	0.000	7.164	7.171	194.442	35.397	194.700	35.421
37.200	0.000	0.000	7.185	7.192	194.442	36.832	194.700	36.857
37.400	0.000	0.000	7.207	7.213	194.442	38.272	194.700	38.298
37.600	0.000	0.000	7.228	7.234	194.442	39.715	194.700	39.743
37.800	0.000	0.000	7.249	7.255	194.442	41.163	194.700	41.192
38.000	0.000	0.000	7.271	7.276	194.442	42.615	194.700	42.645
38.200	0.000	0.000	7.292	7.297	194.442	44.071	194.700	44.102
38.400	0.000	0.000	7.313	7.318	194.442	45.531	194.700	45.564
38.600	0.000	0.000	7.330	7.335	194.442	46.996	194.700	47.029
38.800	0.000	0.000	7.352	7.356	194.442	48.464	194.700	48.498
39.000	0.000	0.000	7.375	7.379	194.442	49.937	194.700	49.971
39.200	0.000	0.000	7.399	7.403	194.442	51.414	194.700	51.450
39.400	0.000	0.000	7.405	7.411	194.442	52.895	194.700	52.931
39.600	0.000	0.000	7.394	7.402	194.442	54.375	194.700	54.412
39.800	0.000	0.000	7.381	7.393	194.442	55.852	194.700	55.892
40.000	0.000	0.000	7.369	7.383	194.442	57.327	194.700	57.369

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* * * D E S B R O C E S * * *
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PK inicial : 0.000
PK final : 245.599

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
40.200	0.000	0.000	7.356	7.373	194.442	58.800	194.700	58.845
40.400	0.000	0.000	7.342	7.363	194.442	60.269	194.700	60.319
40.600	0.000	0.000	7.328	7.352	194.442	61.736	194.700	61.790
40.800	0.000	0.000	7.313	7.341	194.442	63.200	194.700	63.259
41.000	0.000	0.000	7.301	7.331	194.442	64.662	194.700	64.727
41.200	0.000	0.000	7.297	7.329	194.442	66.122	194.700	66.193
41.400	0.000	0.000	7.293	7.326	194.442	67.581	194.700	67.658
41.600	0.000	0.000	7.288	7.323	194.442	69.039	194.700	69.123
41.800	0.000	0.000	7.283	7.319	194.442	70.496	194.700	70.587
42.000	0.000	0.000	7.278	7.315	194.442	71.952	194.700	72.051
42.200	0.000	0.000	7.281	7.318	194.442	73.408	194.700	73.514
42.400	0.000	0.000	7.283	7.322	194.442	74.865	194.700	74.978
42.600	0.046	0.047	7.242	7.280	194.446	76.317	194.705	76.438
42.800	0.123	0.123	7.190	7.228	194.463	77.760	194.722	77.889
43.000	0.108	0.108	7.230	7.267	194.486	79.202	194.745	79.338
43.200	0.077	0.077	7.285	7.321	194.505	80.654	194.764	80.797
43.400	0.052	0.052	7.325	7.359	194.518	82.115	194.777	82.265
43.600	0.025	0.025	7.368	7.401	194.525	83.584	194.784	83.741
43.800	0.000	0.000	7.408	7.441	194.528	85.061	194.787	85.225
44.000	0.000	0.000	7.424	7.456	194.528	86.545	194.787	86.715
44.200	0.000	0.000	7.440	7.471	194.528	88.031	194.787	88.208
44.400	0.000	0.000	7.456	7.487	194.528	89.521	194.787	89.703
44.600	0.000	0.000	7.472	7.502	194.528	91.014	194.787	91.202
44.800	0.000	0.000	7.488	7.517	194.528	92.510	194.787	92.704
45.000	0.000	0.000	7.504	7.533	194.528	94.009	194.787	94.209
45.200	0.000	0.000	7.519	7.548	194.528	95.511	194.787	95.717
45.400	0.000	0.000	7.535	7.563	194.528	97.017	194.787	97.228
45.600	0.000	0.000	7.551	7.578	194.528	98.525	194.787	98.742
45.800	0.000	0.000	7.566	7.594	194.528	100.037	194.787	100.260
46.000	0.000	0.000	7.582	7.609	194.528	101.552	194.787	101.780
46.200	0.000	0.000	7.597	7.624	194.528	103.070	194.787	103.303
46.400	0.000	0.000	7.613	7.638	194.528	104.591	194.787	104.829
46.600	0.000	0.000	7.628	7.650	194.528	106.115	194.787	106.358
46.675	0.000	0.000	7.634	7.655	194.528	106.687	194.787	106.932
46.800	0.000	0.000	7.643	7.662	194.528	107.642	194.787	107.889
47.000	0.000	0.000	7.657	7.675	194.528	109.172	194.787	109.423
47.200	0.000	0.000	7.672	7.689	194.528	110.705	194.787	110.960

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* * * D E S B R O C E S * * *
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PK inicial : 0.000
PK final : 245.599

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
47.400	0.000	0.000	7.686	7.703	194.528	112.241	194.787	112.499
47.600	0.000	0.000	7.687	7.703	194.528	113.778	194.787	114.039
47.800	5.344	5.350	1.279	1.280	195.062	114.674	195.322	114.938
48.000	5.554	5.561	1.076	1.077	196.152	114.910	196.413	115.173
48.200	5.549	5.640	1.092	1.111	197.262	115.127	197.533	115.392
48.400	5.990	5.998	0.000	0.000	198.416	115.236	198.697	115.503
48.600	6.216	6.224	0.000	0.000	199.637	115.236	199.919	115.503
48.800	6.448	6.456	0.000	0.000	200.903	115.236	201.187	115.503
49.000	6.688	6.697	0.000	0.000	202.217	115.236	202.503	115.503
49.200	6.928	6.938	0.000	0.000	203.578	115.236	203.866	115.503
49.400	7.172	7.182	0.000	0.000	204.988	115.236	205.278	115.503
49.600	7.423	7.433	0.000	0.000	206.448	115.236	206.740	115.503
49.800	7.619	7.630	0.000	0.000	207.952	115.236	208.246	115.503
50.000	7.622	7.632	0.000	0.000	209.476	115.236	209.772	115.503
50.200	7.624	7.635	0.000	0.000	211.001	115.236	211.299	115.503
50.400	7.627	7.638	0.000	0.000	212.526	115.236	212.826	115.503
50.600	7.630	7.641	0.000	0.000	214.051	115.236	214.354	115.503
50.800	7.632	7.643	0.000	0.000	215.578	115.236	215.882	115.503
51.000	7.633	7.644	0.000	0.000	217.104	115.236	217.411	115.503
51.200	7.633	7.645	0.000	0.000	218.631	115.236	218.940	115.503
51.400	7.633	7.644	0.000	0.000	220.157	115.236	220.469	115.503
51.600	7.631	7.643	0.000	0.000	221.684	115.236	221.997	115.503
51.800	7.628	7.639	0.000	0.000	223.210	115.236	223.526	115.503
52.000	7.625	7.635	0.000	0.000	224.735	115.236	225.053	115.503
52.200	7.621	7.632	0.000	0.000	226.259	115.236	226.580	115.503
52.400	7.618	7.628	0.000	0.000	227.783	115.236	228.106	115.503
52.600	7.615	7.625	0.000	0.000	229.307	115.236	229.631	115.503
52.800	7.611	7.621	0.000	0.000	230.829	115.236	231.156	115.503
53.000	7.608	7.618	0.000	0.000	232.351	115.236	232.680	115.503
53.200	7.605	7.614	0.000	0.000	233.872	115.236	234.203	115.503
53.400	7.601	7.611	0.000	0.000	235.393	115.236	235.725	115.503
53.600	7.599	7.608	0.000	0.000	236.913	115.236	237.247	115.503
53.800	7.600	7.609	0.000	0.000	238.433	115.236	238.769	115.503
54.000	7.601	7.610	0.000	0.000	239.953	115.236	240.291	115.503
54.200	7.602	7.611	0.000	0.000	241.473	115.236	241.813	115.503
54.400	7.603	7.612	0.000	0.000	242.994	115.236	243.335	115.503
54.600	7.597	7.605	0.000	0.000	244.514	115.236	244.857	115.503

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PK inicial : 0.000
PK final : 245.599

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
210.000	7.391	7.393	0.000	0.000	374.687	638.541	375.093	638.844
215.000	7.307	7.308	0.000	0.000	411.431	638.541	411.845	638.844
220.000	7.338	7.339	0.000	0.000	448.043	638.541	448.462	638.844
225.000	7.457	7.459	0.000	0.000	485.029	638.541	485.458	638.844
230.000	6.281	6.282	0.000	0.000	519.373	638.541	519.813	638.844
235.000	5.856	5.856	0.000	0.000	549.716	638.541	550.159	638.844
239.794	6.897	6.898	0.000	0.000	580.285	638.541	580.731	638.844
239.800	6.897	6.898	0.000	0.000	580.326	638.541	580.773	638.844
240.000	6.889	6.890	0.000	0.000	581.705	638.541	582.151	638.844
240.200	6.888	6.889	0.000	0.000	583.083	638.541	583.529	638.844
240.400	6.891	6.893	0.000	0.000	584.461	638.541	584.908	638.844
240.600	6.895	6.897	0.000	0.000	585.839	638.541	586.287	638.844
240.800	6.882	6.884	0.000	0.000	587.217	638.541	587.665	638.844
241.000	6.877	6.880	0.000	0.000	588.593	638.541	589.041	638.844
241.200	6.867	6.871	0.000	0.000	589.967	638.541	590.416	638.844
241.400	6.876	6.881	0.000	0.000	591.342	638.541	591.791	638.844
241.600	6.947	6.952	0.000	0.000	592.724	638.541	593.175	638.844
241.800	7.022	7.026	0.000	0.000	594.121	638.541	594.573	638.844
242.000	7.101	7.105	0.000	0.000	595.533	638.541	595.986	638.844
242.200	7.183	7.187	0.000	0.000	596.961	638.541	597.415	638.844
242.400	7.268	7.271	0.000	0.000	598.407	638.541	598.861	638.844
242.600	7.303	7.306	0.000	0.000	599.864	638.541	600.318	638.844
242.800	7.340	7.343	0.000	0.000	601.328	638.541	601.783	638.844
243.000	7.380	7.383	0.000	0.000	602.800	638.541	603.256	638.844
243.200	7.380	7.383	0.000	0.000	604.276	638.541	604.732	638.844
243.400	7.355	7.358	0.000	0.000	605.749	638.541	606.206	638.844
243.546	7.334	7.337	0.000	0.000	606.822	638.541	607.279	638.844
245.000	7.053	7.055	0.000	0.000	617.281	638.541	617.742	638.844
245.599	6.907	6.909	0.000	0.000	621.462	638.541	621.924	638.844

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* * * D E S B R O C E S * * *									
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PK inicial		:							
PK final		:							
337.081									
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EJE: 47: CAMINO 2+200 - 2+500 MI

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* * * D E S B R O C E S * * *
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PK inicial : 0.000
PK final : 337.081

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
160.000	3.222	3.306	3.599	3.625	1036.702	35.988	1037.937	36.255
180.000	6.841	6.844	0.000	0.000	1137.330	71.977	1139.441	72.510
190.166	6.933	6.938	0.000	0.000	1207.346	71.977	1209.492	72.510
200.000	7.108	7.112	0.000	0.000	1276.385	71.977	1278.576	72.510
220.000	7.169	7.170	0.000	0.000	1419.154	71.977	1421.401	72.510
220.875	7.058	7.059	0.000	0.000	1425.379	71.977	1427.626	72.510
240.000	6.764	6.765	0.000	0.000	1557.552	71.977	1559.816	72.510
260.000	6.948	6.949	0.000	0.000	1694.671	71.977	1696.962	72.510
280.000	0.969	0.969	5.262	5.266	1773.835	124.601	1776.145	125.171
300.000	0.678	0.678	5.659	5.659	1790.303	233.816	1792.615	234.423
317.730	2.270	2.270	3.157	3.158	1816.438	311.973	1818.752	312.590
318.000	2.450	2.450	2.976	2.977	1817.075	312.801	1819.389	313.419
320.000	5.408	5.409	0.000	0.000	1824.933	315.777	1827.248	316.395
322.000	5.390	5.390	0.000	0.000	1835.731	315.777	1838.047	316.395
324.000	5.354	5.354	0.000	0.000	1846.475	315.777	1848.791	316.395
326.000	5.243	5.243	0.000	0.000	1857.071	315.777	1859.388	316.395
328.000	5.192	5.192	0.000	0.000	1867.506	315.777	1869.823	316.395
330.000	5.169	5.169	0.000	0.000	1877.867	315.777	1880.184	316.395
332.000	5.153	5.154	0.000	0.000	1888.189	315.777	1890.507	316.395
334.000	5.146	5.146	0.000	0.000	1898.488	315.777	1900.806	316.395
336.000	5.098	5.098	0.000	0.000	1908.732	315.777	1911.049	316.395
337.081	5.050	5.051	0.000	0.000	1914.217	315.777	1916.535	316.395

***** * * * D E S B R O C E S * * * *****									
PK inicial		:	0.000						
PK final		:	175.929						
P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN	
	-PLANTA-	--REAL--	-PLANTA-	--REAL--					
0.000	5.062	5.065	5.349	5.355	0.000	0.000	0.000	0.000	
2.000	5.221	5.224	5.176	5.180	10.283	10.525	10.289	10.535	
4.000	5.315	5.318	5.079	5.084	20.819	20.781	20.831	20.799	
6.000	5.362	5.364	5.036	5.041	31.495	30.897	31.513	30.923	
8.000	5.358	5.361	5.051	5.056	42.215	40.984	42.238	41.021	
10.000	5.299	5.301	5.114	5.119	52.872	51.149	52.901	51.195	
12.000	4.952	4.955	5.488	5.492	63.124	61.750	63.157	61.806	
14.000	4.311	4.314	6.164	6.168	72.387	73.403	72.425	73.466	
16.000	3.980	3.983	6.538	6.541	80.678	86.105	80.722	86.174	
18.000	3.907	3.912	6.584	6.587	88.565	99.227	88.616	99.302	
20.000	4.122	4.126	6.349	6.352	96.594	112.160	96.655	112.242	
22.000	4.271	4.277	6.183	6.186	104.987	124.692	105.058	124.780	
24.000	4.358	4.364	6.084	6.087	113.617	136.959	113.699	137.053	
26.000	4.435	4.441	5.999	6.001	122.411	149.041	122.504	149.142	
28.000	4.535	4.541	5.895	5.897	131.381	160.935	131.487	161.040	
30.000	4.501	4.508	5.970	5.973	140.418	172.799	140.536	172.910	
32.000	5.269	5.279	5.305	5.305	150.188	184.073	150.323	184.188	
34.000	7.773	7.780	2.841	2.841	163.229	192.220	163.382	192.334	
36.000	10.671	10.674	0.000	0.000	181.673	195.061	181.837	195.175	
38.000	5.610	5.612	5.046	5.049	197.954	200.107	198.123	200.224	
40.000	4.489	4.491	6.180	6.184	208.053	211.333	208.226	211.457	
42.000	3.442	3.466	6.973	6.976	215.985	224.486	216.183	224.616	
44.000	2.643	2.680	7.757	7.759	222.070	239.217	222.329	239.352	
44.742	2.321	2.341	8.345	8.347	223.911	245.190	224.192	245.327	
46.000	0.211	0.211	10.778	10.782	225.504	257.219	225.797	257.359	
48.000	0.000	0.000	11.085	11.086	225.715	279.082	226.008	279.227	
50.000	0.000	0.000	11.321	11.322	225.715	301.488	226.008	301.634	
52.000	0.000	0.000	11.503	11.504	225.715	324.313	226.008	324.459	
54.000	0.000	0.000	11.754	11.754	225.715	347.569	226.008	347.717	
56.000	0.000	0.000	11.962	11.962	225.715	371.285	226.008	371.433	
58.000	0.000	0.000	12.117	12.167	225.715	395.363	226.008	395.562	
60.000	0.000	0.000	12.203	12.265	225.715	419.683	226.008	419.993	
62.000	0.000	0.000	12.246	12.297	225.715	444.133	226.008	444.555	
64.000	0.000	0.000	12.295	12.334	225.715	468.674	226.008	469.185	
64.742	0.000	0.000	12.314	12.349	225.715	477.804	226.008	478.343	
66.000	0.000	0.000	12.261	12.279	225.715	493.262	226.008	493.834	
68.000	0.000	0.000	12.333	12.343	225.715	517.856	226.008	518.457	

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PK inicial : 0.000
PK final : 175.929

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
70.000	0.000	0.000	12.407	12.411	225.715	542.596	226.008	543.212
72.000	0.000	0.000	12.484	12.486	225.715	567.488	226.008	568.108
74.000	0.000	0.000	12.563	12.564	225.715	592.536	226.008	593.158
76.000	0.000	0.000	12.645	12.645	225.715	617.744	226.008	618.367
78.000	0.000	0.000	12.669	12.670	225.715	643.057	226.008	643.682
80.000	0.000	0.000	12.739	12.740	225.715	668.466	226.008	669.092
82.000	0.000	0.000	12.911	12.914	225.715	694.116	226.008	694.745
84.000	0.000	0.000	12.941	12.943	225.715	719.968	226.008	720.602
84.742	0.000	0.000	12.924	12.925	225.715	729.564	226.008	730.199
86.000	0.000	0.000	12.960	12.961	225.715	745.845	226.008	746.481
88.000	0.000	0.000	13.016	13.017	225.715	771.822	226.008	772.459
90.000	0.000	0.000	13.069	13.070	225.715	797.907	226.008	798.546
92.000	0.000	0.000	13.043	13.044	225.715	824.019	226.008	824.659
94.000	0.000	0.000	13.097	13.098	225.715	850.159	226.008	850.801
96.000	0.000	0.000	13.151	13.153	225.715	876.406	226.008	877.052
98.000	0.000	0.000	13.199	13.202	225.715	902.755	226.008	903.407
100.000	0.000	0.000	13.241	13.244	225.715	929.195	226.008	929.854
102.000	0.000	0.000	13.300	13.304	225.715	955.736	226.008	956.402
104.000	0.000	0.000	13.394	13.400	225.715	982.430	226.008	983.106
106.000	0.000	0.000	13.462	13.469	225.715	1009.286	226.008	1009.975
108.000	0.000	0.000	13.302	13.326	225.715	1036.050	226.008	1036.769
110.000	0.000	0.000	13.152	13.193	225.715	1062.504	226.008	1063.288
112.000	0.000	0.000	13.199	13.205	225.715	1088.854	226.008	1089.687
114.000	0.000	0.000	13.027	13.032	225.715	1115.080	226.008	1115.923
116.000	0.000	0.000	13.007	13.014	225.715	1141.113	226.008	1141.969
118.000	0.000	0.000	12.985	12.995	225.715	1167.105	226.008	1167.979
120.000	0.000	0.000	12.859	12.868	225.715	1192.949	226.008	1193.842
122.000	0.000	0.000	12.739	12.746	225.715	1218.547	226.008	1219.455
124.000	0.000	0.000	12.621	12.624	225.715	1243.907	226.008	1244.825
126.000	0.000	0.000	12.348	12.362	225.715	1268.876	226.008	1269.811
128.000	0.000	0.000	12.483	12.484	225.715	1293.707	226.008	1294.657
130.000	0.000	0.000	12.450	12.450	225.715	1318.640	226.008	1319.592
132.000	0.000	0.000	12.377	12.379	225.715	1343.467	226.008	1344.421
132.706	0.000	0.000	12.356	12.358	225.715	1352.198	226.008	1353.153
134.000	0.000	0.000	12.293	12.294	225.715	1368.146	226.008	1369.103
136.000	0.000	0.000	12.128	12.131	225.715	1392.567	226.008	1393.529
138.000	0.000	0.000	12.046	12.048	225.715	1416.741	226.008	1417.708

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* * * D E S B R O C E S * * *
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PK inicial : 0.000
PK final : 175.929

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
140.000	0.000	0.000	11.971	11.972	225.715	1440.758	226.008	1441.729
142.000	0.000	0.000	11.869	11.872	225.715	1464.597	226.008	1465.573
144.000	0.000	0.000	11.721	11.724	225.715	1488.187	226.008	1489.169
146.000	0.000	0.000	11.575	11.582	225.715	1511.483	226.008	1512.475
148.000	0.000	0.000	11.426	11.434	225.715	1534.484	226.008	1535.490
150.000	0.000	0.000	11.278	11.287	225.715	1557.188	226.008	1558.211
152.000	0.000	0.000	11.131	11.142	225.715	1579.596	226.008	1580.641
152.706	0.000	0.000	11.080	11.091	225.715	1587.437	226.008	1588.489
154.000	0.276	0.276	10.711	10.723	225.894	1601.535	226.187	1602.603
156.000	1.511	1.512	9.337	9.349	227.682	1621.582	227.975	1622.675
158.000	2.198	2.199	8.579	8.591	231.391	1639.498	231.686	1640.616
160.000	2.710	2.712	7.998	8.009	236.299	1656.074	236.596	1657.216
162.000	3.080	3.081	7.571	7.582	242.088	1671.643	242.389	1672.806
164.000	3.431	3.433	7.175	7.185	248.598	1686.390	248.903	1687.573
166.000	3.756	3.759	6.809	6.817	255.785	1700.374	256.094	1701.575
168.000	4.062	4.064	6.466	6.473	263.603	1713.648	263.917	1714.866
170.000	4.345	4.347	6.148	6.155	272.009	1726.261	272.328	1727.494
172.000	4.611	4.614	5.849	5.855	280.965	1738.258	281.289	1739.505
172.706	4.700	4.703	5.749	5.755	284.251	1742.352	284.578	1743.603
174.000	4.861	4.864	5.570	5.577	290.437	1749.676	290.768	1750.935
175.929	5.062	5.065	5.349	5.355	300.007	1760.207	300.344	1761.478

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PK inicial		:	0.000						
PK final		:	38.228						
P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
	DESMONTE		TERRAPLEN		DESMONTE		DESMONTE		TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--					
0.000	9.501	9.504	0.000	0.000	0.000	0.000	0.000		0.000
10.000	5.878	5.880	2.599	2.600	76.896	12.995	76.921		13.002
17.769	5.774	5.776	2.756	2.757	122.161	33.798	122.196		33.815
20.000	5.745	5.746	2.810	2.811	135.011	40.007	135.049		40.027
25.000	3.815	3.816	4.808	4.809	158.910	59.051	158.952		59.076
28.340	2.944	2.945	5.697	5.698	170.198	76.595	170.242		76.623
30.000	2.486	2.487	6.141	6.142	174.705	86.421	174.751		86.451
32.000	2.117	2.118	6.485	6.488	179.308	99.047	179.355		99.081
34.000	1.924	1.924	6.646	6.649	183.349	112.178	183.397		112.218
36.000	1.897	1.898	6.630	6.634	187.169	125.454	187.220		125.501
38.000	2.040	2.041	6.434	6.438	191.106	138.518	191.159		138.573
38.228	2.067	2.068	6.400	6.404	191.574	139.981	191.627		140.037

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PK inicial		:	0.000					
PK final		:	35.497					
P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
0.000	0.000	0.000	10.492	10.495	0.000	0.000	0.000	0.000
0.363	0.000	0.000	10.472	10.476	0.000	3.805	0.000	3.806
2.000	0.000	0.000	10.385	10.388	0.000	20.877	0.000	20.883
4.000	0.000	0.000	10.281	10.281	0.000	41.542	0.000	41.552
5.363	0.000	0.000	10.212	10.213	0.000	55.509	0.000	55.519
6.000	0.000	0.000	10.182	10.182	0.000	62.004	0.000	62.015
8.000	0.411	0.411	9.680	9.680	0.411	81.865	0.411	81.876
10.000	1.456	1.456	8.555	8.556	2.278	100.100	2.278	100.112
10.363	1.662	1.662	8.336	8.336	2.844	103.166	2.844	103.178
12.000	3.027	3.027	6.926	6.927	6.681	115.658	6.682	115.670
14.000	5.767	5.768	4.145	4.145	15.475	126.730	15.476	126.742
15.788	6.280	6.281	3.599	3.600	26.246	133.653	26.248	133.666
20.000	6.222	6.223	3.509	3.509	52.574	148.621	52.582	148.637
30.000	6.084	6.085	3.248	3.248	114.102	182.403	114.121	182.425
35.497	6.008	6.009	3.114	3.115	147.336	199.889	147.361	199.914

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PK inicial					:	0.000				
PK final					:	1385.725				
ANCHOS OCUPADOS					AREA DE DESBROCE EN PLANTA			SUPERFICIE REAL		
P. K.	-----						-----			
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	DESMONTE	TERRAPLEN	
-----	-PLANTA-	--REAL--	-PLANTA-	--REAL--	-----	-----	-----	-----	-----	
0.000	0.000	0.000	14.412	14.420	0.000	0.000	0.000	0.000	0.000	
16.139	1.638	1.641	11.950	11.964	13.221	212.724	13.242	212.907		
20.000	1.728	1.730	11.813	11.826	19.719	258.597	19.751	258.835		
30.000	1.803	1.805	11.686	11.703	37.374	376.088	37.430	376.484		
40.000	1.576	1.576	11.908	11.928	54.268	494.057	54.338	494.640		
50.000	1.185	1.186	12.377	12.397	68.070	615.482	68.148	616.263		
60.000	1.959	1.966	10.984	10.998	83.792	732.288	83.909	733.236		
70.000	12.077	12.081	0.000	0.000	153.977	787.209	154.146	788.225		
80.000	3.574	3.574	9.269	9.270	232.235	833.556	232.424	834.574		
85.070	2.488	2.491	10.340	10.345	247.602	883.264	247.799	884.298		
90.000	1.270	1.271	11.780	11.784	256.865	937.788	257.072	938.847		
100.000	1.366	1.367	11.858	11.862	270.046	1055.976	270.261	1057.078		
110.000	1.926	1.927	11.376	11.384	286.507	1172.149	286.729	1173.305		
120.000	1.734	1.736	11.509	11.517	304.809	1286.577	305.045	1287.810		
128.339	1.583	1.587	11.643	11.653	318.642	1383.109	318.901	1384.419		
140.000	5.742	6.664	8.381	8.621	361.354	1499.859	367.008	1502.626		
160.000	5.053	5.603	9.239	9.493	469.312	1676.066	489.673	1683.765		
180.000	0.000	0.000	14.536	14.541	519.847	1913.820	545.700	1924.109		
200.000	0.000	0.000	14.669	14.743	519.847	2205.870	545.700	2216.951		
220.000	0.000	0.000	14.165	14.252	519.847	2494.209	545.700	2506.898		
240.000	0.490	0.499	12.833	12.846	524.747	2764.184	550.687	2777.870		
260.000	0.335	0.335	12.575	12.577	532.993	3018.255	559.022	3032.091		
280.000	0.194	0.194	12.845	12.846	538.283	3272.448	564.312	3286.315		
300.000	0.000	0.000	13.589	13.596	540.227	3536.786	566.256	3550.734		
320.000	0.000	0.000	14.242	14.250	540.227	3815.097	566.256	3829.191		
340.000	0.644	0.652	13.311	13.351	546.669	4090.631	572.772	4105.193		
360.000	15.119	15.124	0.000	0.000	704.306	4223.745	730.530	4238.699		
360.447	15.127	15.131	0.000	0.000	711.066	4223.745	737.292	4238.699		
380.000	15.981	15.982	0.000	0.000	1015.198	4223.745	1041.474	4238.699		
396.897	16.942	16.943	0.000	0.000	1293.351	4223.745	1319.648	4238.699		
400.000	17.209	17.211	0.000	0.000	1346.337	4223.745	1372.638	4238.699		
420.000	18.102	18.117	0.000	0.000	1699.449	4223.745	1725.912	4238.699		
425.443	18.162	18.185	0.000	0.000	1798.140	4223.745	1824.709	4238.699		
440.000	16.869	16.989	0.000	0.000	2053.112	4223.745	2080.728	4238.699		
460.000	6.641	6.642	6.085	6.085	2288.212	4284.592	2317.038	4299.548		
461.893	7.353	7.355	5.278	5.278	2301.457	4295.347	2330.286	4310.304		
480.000	10.726	10.756	1.834	1.863	2465.137	4359.738	2494.253	4374.959		

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* * * D E S B R O C E S * * *
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PK inicial : 0.000
PK final : 1385.725

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
498.343	0.000	0.000	15.806	15.822	2563.511	4521.522	2592.898	4537.161
500.000	0.000	0.000	15.740	15.755	2563.511	4547.658	2592.898	4563.323
520.000	0.000	0.000	15.481	15.515	2563.511	4859.870	2592.898	4876.026
540.000	0.000	0.000	15.844	15.873	2563.511	5173.121	2592.898	5189.914
557.861	1.345	1.359	12.183	12.264	2575.525	5423.410	2605.034	5441.196
560.000	2.153	2.172	11.505	11.631	2579.266	5448.743	2608.811	5466.752
580.000	14.910	14.958	0.000	0.000	2749.897	5563.792	2780.114	5583.065
594.311	16.401	16.418	0.000	0.000	2973.945	5563.792	3004.624	5583.065
600.000	16.564	16.620	0.000	0.000	3067.714	5563.792	3098.601	5583.065
620.000	17.106	17.212	0.000	0.000	3404.412	5563.792	3436.920	5583.065
630.761	17.398	17.412	0.000	0.000	3590.061	5563.792	3623.214	5583.065
640.000	17.047	17.060	0.000	0.000	3749.181	5563.792	3782.460	5583.065
647.161	16.770	16.804	0.000	0.000	3870.263	5563.792	3903.709	5583.065
660.000	16.453	16.461	0.000	0.000	4083.536	5563.792	4117.253	5583.065
676.321	15.619	15.677	0.000	0.000	4345.257	5563.792	4379.519	5583.065
680.000	15.499	15.559	0.000	0.000	4402.498	5563.792	4436.978	5583.065
700.000	14.062	14.071	0.000	0.000	4698.104	5563.792	4733.276	5583.065
720.000	12.917	12.925	0.000	0.000	4967.892	5563.792	5003.234	5583.065
740.000	13.110	13.147	0.000	0.000	5228.158	5563.792	5263.957	5583.065
760.000	14.334	14.338	0.000	0.000	5502.597	5563.792	5538.812	5583.065
780.000	12.442	12.487	0.859	0.859	5770.356	5572.378	5807.067	5591.655
800.000	6.811	6.819	5.127	5.131	5962.885	5632.232	6000.133	5651.554
820.000	0.000	0.000	15.235	15.359	6030.999	5835.847	6068.327	5856.451
840.000	0.000	0.000	15.945	15.959	6031.000	6147.643	6068.328	6169.632
860.000	0.000	0.000	15.460	15.591	6031.002	6461.691	6068.330	6485.131
880.000	1.007	1.010	12.218	12.228	6041.076	6738.468	6078.426	6763.320
900.000	13.210	13.226	0.000	0.000	6183.252	6860.644	6220.782	6885.603
920.000	13.226	13.242	0.000	0.000	6447.614	6860.644	6485.463	6885.603
940.000	13.475	13.501	0.000	0.000	6714.628	6860.644	6752.892	6885.603
960.000	10.766	10.784	1.893	1.985	6957.038	6879.575	6995.745	6905.453
980.000	8.003	8.009	16.616	18.197	7144.725	7064.664	7183.676	7107.269
1000.000	11.666	11.709	14.758	16.576	7341.415	7378.406	7380.852	7454.993
1020.000	11.005	11.092	15.914	17.780	7568.123	7685.125	7608.858	7798.555
1040.000	10.477	10.537	16.612	18.472	7782.944	8010.378	7825.144	8161.082
1060.000	12.422	12.614	14.841	16.423	8011.942	8324.909	8056.654	8510.040
1080.000	18.216	18.352	0.000	0.000	8318.323	8473.322	8366.319	8674.274
1100.000	21.835	22.490	0.000	0.000	8718.832	8473.322	8774.743	8674.274

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* * * D E S B R O C E S * * *
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PK inicial : 0.000
PK final : 1385.725

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
1120.000	20.033	21.510	10.023	11.891	9137.513	8573.553	9214.743	8793.184
1132.490	18.271	19.261	10.184	11.705	9376.719	8699.747	9469.360	8940.543
1140.000	18.031	19.327	9.899	11.205	9513.032	8775.159	9614.260	9026.570
1160.000	15.780	16.312	9.338	10.252	9851.143	8967.529	9970.656	9241.136
1167.983	14.924	15.206	8.886	9.678	9973.700	9040.272	10096.461	9320.687
1180.000	17.151	17.387	5.125	5.845	10166.422	9124.459	10292.296	9413.956
1200.000	9.522	9.540	0.000	0.000	10433.151	9175.707	10561.570	9472.402
1203.689	8.153	8.185	1.911	1.920	10465.753	9179.232	10594.265	9475.943
1220.000	2.408	2.409	6.853	6.853	10551.886	9250.702	10680.665	9547.492
1240.000	0.000	0.000	10.301	10.306	10575.968	9422.244	10704.756	9719.087
1244.022	0.000	0.000	10.712	10.716	10575.968	9464.502	10704.756	9761.362
1260.000	0.000	0.000	12.821	12.839	10575.968	9652.508	10704.756	9949.543
1274.847	0.000	0.000	15.479	15.612	10575.968	9862.590	10704.756	10160.747
1274.848	0.000	0.000	18.964	19.097	10575.968	9862.607	10704.756	10160.764
1280.000	0.000	0.000	19.559	19.736	10575.968	9961.841	10704.756	10260.800
1300.000	0.000	0.000	23.045	23.230	10575.968	10387.883	10704.756	10690.463
1307.777	0.000	0.000	24.289	24.509	10575.968	10571.941	10704.756	10876.096
1310.000	0.000	0.000	24.562	24.791	10575.968	10626.239	10704.756	10930.893
1315.000	0.000	0.000	24.995	25.224	10575.968	10750.131	10704.756	11055.933
1320.000	0.000	0.000	25.268	25.477	10575.968	10875.787	10704.756	11182.686
1324.848	0.000	0.000	25.338	25.543	10575.968	10998.455	10704.756	11306.359
1325.000	0.000	0.000	25.349	25.555	10575.968	11002.307	10704.756	11310.242
1330.000	0.000	0.000	25.644	25.816	10575.968	11129.788	10704.756	11438.670
1332.277	0.000	0.000	25.625	25.869	10575.968	11188.157	10704.756	11497.513
1335.000	0.000	0.000	25.781	26.457	10575.968	11258.145	10704.756	11568.754
1340.000	0.000	0.000	25.733	25.928	10575.968	11386.930	10704.756	11699.717
1345.000	0.000	0.000	26.128	26.308	10575.968	11516.584	10704.756	11830.305
1350.000	0.000	0.000	24.496	24.829	10575.968	11643.145	10704.756	11958.147
1355.000	0.000	0.000	24.611	24.810	10575.968	11765.911	10704.756	12082.245
1360.000	0.000	0.000	24.021	24.259	10575.968	11887.490	10704.756	12204.916
1361.225	0.000	0.000	23.889	24.127	10575.968	11916.835	10704.756	12234.552
1365.000	0.000	0.000	23.387	23.628	10575.968	12006.068	10704.756	12324.690
1370.000	0.000	0.000	22.923	23.112	10575.968	12121.840	10704.756	12441.541
1375.000	0.000	0.000	21.966	22.098	10575.968	12234.063	10704.756	12554.565
1380.000	0.000	0.000	21.080	21.140	10575.968	12341.678	10704.756	12662.659
1385.000	0.000	0.000	20.419	20.431	10575.968	12445.425	10704.756	12766.585
1385.725	0.000	0.000	20.291	20.298	10575.968	12460.183	10704.756	12781.349

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PK inicial : 0.000

PK final : 20.452

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
0.000	0.000	0.000	7.560	7.569	0.000	0.000	0.000	0.000
0.282	0.000	0.000	7.568	7.577	0.000	2.133	0.000	2.136
7.782	0.000	0.000	7.768	7.776	0.000	59.644	0.000	59.709
9.525	0.000	0.000	7.798	7.805	0.000	73.209	0.000	73.287
10.000	0.000	0.000	7.801	7.808	0.000	76.914	0.000	76.996
12.000	0.000	0.000	7.795	7.804	0.000	92.509	0.000	92.608
14.000	0.000	0.000	7.736	7.744	0.000	108.040	0.000	108.155
15.282	0.000	0.000	7.677	7.684	0.000	117.919	0.000	118.045
16.000	0.000	0.000	7.639	7.646	0.000	123.417	0.000	123.549
18.000	0.000	0.000	7.525	7.528	0.000	138.581	0.000	138.722
20.000	0.000	0.000	7.395	7.396	0.000	153.501	0.000	153.646
20.452	0.000	0.000	7.364	7.365	0.000	156.836	0.000	156.982

PK inicial : 0.000
PK final : 20.564

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
0.000	0.000	0.000	9.415	9.432	0.000	0.000	0.000	0.000
2.000	0.000	0.000	9.465	9.465	0.000	18.880	0.000	18.897
4.000	0.000	0.000	9.426	9.427	0.000	37.771	0.000	37.789
5.451	0.000	0.000	9.369	9.371	0.000	51.406	0.000	51.426
6.000	0.000	0.000	9.347	9.350	0.000	56.544	0.000	56.565
8.000	0.000	0.000	9.264	9.269	0.000	75.156	0.000	75.184
10.000	0.000	0.000	9.175	9.180	0.000	93.595	0.000	93.633
11.879	0.000	0.000	9.091	9.097	0.000	110.756	0.000	110.804
12.000	0.000	0.000	9.086	9.092	0.000	111.856	0.000	111.904
12.462	0.000	0.000	9.065	9.072	0.000	116.049	0.000	116.100
12.951	0.000	0.000	9.040	9.046	0.000	120.476	0.000	120.530
15.000	0.000	0.000	8.933	8.940	0.000	138.889	0.000	138.957
20.000	0.000	0.000	8.593	8.602	0.000	182.704	0.000	182.812
20.451	0.000	0.000	8.561	8.570	0.000	186.573	0.000	186.685
20.564	0.000	0.000	8.553	8.562	0.000	187.540	0.000	187.653

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PK inicial : 0.000
PK final : 149.455

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
0.000	11.066	11.178	0.000	0.000	0.000	0.000	0.000	0.000
1.792	11.797	11.826	0.000	0.000	20.485	0.000	20.612	0.000
20.000	12.404	12.536	0.000	0.000	240.818	0.000	242.405	0.000
21.792	11.835	11.910	0.000	0.000	262.536	0.000	264.309	0.000
40.000	12.657	12.907	0.000	0.000	485.514	0.000	490.242	0.000
41.792	13.147	13.359	0.000	0.000	508.634	0.000	513.776	0.000
60.000	11.934	12.005	0.000	0.000	736.970	0.000	744.684	0.000
77.330	1.659	1.660	11.815	11.836	854.753	102.376	863.085	102.562
80.000	0.660	0.660	12.901	12.918	857.848	135.372	866.182	135.609
85.000	0.000	0.000	13.896	13.911	859.498	202.367	867.832	202.682
89.330	0.000	0.000	14.065	14.084	859.498	262.902	867.832	263.290
90.000	0.000	0.000	14.087	14.106	859.498	272.333	867.832	272.734
95.000	0.174	0.216	13.862	13.954	859.934	342.205	868.372	342.884
97.965	0.000	0.000	14.376	14.478	860.192	384.068	868.692	385.035
100.000	0.000	0.000	14.637	14.700	860.192	413.589	868.692	414.723
105.000	0.000	0.000	15.056	15.096	860.192	487.822	868.692	489.212
106.185	0.000	0.000	15.098	15.141	860.192	505.688	868.692	507.127
109.963	0.000	0.000	15.229	15.264	860.192	562.976	868.692	564.563
110.000	0.000	0.000	15.230	15.265	860.192	563.540	868.692	565.128
115.000	0.000	0.000	15.401	15.425	860.192	640.117	868.692	641.852
120.000	0.000	0.000	15.699	15.721	860.192	717.867	868.692	719.717
121.962	0.000	0.000	15.803	15.826	860.192	748.771	868.692	750.665
125.000	0.000	0.000	16.010	16.033	860.192	797.095	868.692	799.058
126.185	0.000	0.000	16.094	16.116	860.192	816.116	868.692	818.106
130.000	0.000	0.000	16.352	16.372	860.192	878.006	868.692	880.077
135.000	0.000	0.000	16.657	16.678	860.192	960.528	868.692	962.703
140.000	0.000	0.000	17.007	17.032	860.192	1044.687	868.692	1046.980
145.000	0.000	0.000	17.178	17.207	860.192	1130.148	868.692	1132.578
146.185	0.000	0.000	17.099	17.129	860.192	1150.457	868.692	1152.922
149.455	0.000	0.000	17.069	17.100	860.192	1206.322	868.692	1208.886

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PK inicial : 0.000

PK final : 19.873

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
0.000	0.000	0.000	8.976	8.984	0.000	0.000	0.000	0.000
2.000	0.000	0.000	8.974	8.980	0.000	17.950	0.000	17.964
3.627	0.000	0.000	8.953	8.957	0.000	32.534	0.000	32.556
4.000	0.000	0.000	8.947	8.952	0.000	35.872	0.000	35.896
6.000	0.000	0.000	8.909	8.913	0.000	53.729	0.000	53.760
7.739	0.000	0.000	8.885	8.890	0.000	69.201	0.000	69.240
8.000	0.000	0.000	8.884	8.889	0.000	71.520	0.000	71.560
10.000	0.000	0.000	8.865	8.870	0.000	89.269	0.000	89.319
11.127	0.000	0.000	8.843	8.850	0.000	99.247	0.000	99.305
12.000	0.000	0.000	8.822	8.829	0.000	106.958	0.000	107.022
14.000	0.000	0.000	8.770	8.777	0.000	124.550	0.000	124.628
16.000	0.000	0.000	8.736	8.739	0.000	142.056	0.000	142.144
18.000	0.000	0.000	8.648	8.651	0.000	159.441	0.000	159.534
18.627	0.000	0.000	8.597	8.600	0.000	164.847	0.000	164.943
19.873	0.000	0.000	8.485	8.487	0.000	175.489	0.000	175.588

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PK inicial : 0.000

PK final : 24.674

P. K.	ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL	
	DESMONTE		TERRAPLEN		DESMONTE	TERRAPLEN	DESMONTE	TERRAPLEN
	-PLANTA-	--REAL--	-PLANTA-	--REAL--				
0.000	0.000	0.000	10.252	10.254	0.000	0.000	0.000	0.000
2.000	0.000	0.000	10.272	10.274	0.000	20.523	0.000	20.528
4.000	0.000	0.000	10.319	10.322	0.000	41.114	0.000	41.123
4.672	0.000	0.000	10.336	10.339	0.000	48.054	0.000	48.066
6.000	0.000	0.000	10.365	10.370	0.000	61.800	0.000	61.817
8.000	0.000	0.000	10.327	10.337	0.000	82.493	0.000	82.524
10.000	0.000	0.000	10.157	10.184	0.000	102.977	0.000	103.045
11.338	0.000	0.000	10.135	10.181	0.000	116.552	0.000	116.669
12.000	0.000	0.000	10.122	10.164	0.000	123.257	0.000	123.404
13.872	0.000	0.000	10.083	10.111	0.000	142.169	0.000	142.382
14.672	0.000	0.000	10.076	10.100	0.000	150.233	0.000	150.466
15.000	0.000	0.000	10.078	10.101	0.000	153.538	0.000	153.779
20.000	0.000	0.000	10.177	10.213	0.000	204.176	0.000	204.564
24.672	0.000	0.000	10.201	10.225	0.000	251.778	0.000	252.307
24.674	0.000	0.000	10.201	10.225	0.000	251.798	0.000	252.328

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* * *			D E S B R O C E S				* * *		
=====									
PK inicial		:	0.000						
PK final		:	34.526						
		ANCHOS OCUPADOS			AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL		
P. K.	-----				-----		-----		
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
-----	-PLANTA-	--REAL--	-PLANTA-	--REAL--	-----	-----	DESMONTE	TERRAPLEN	-----
0.000	3.380	3.389	4.201	4.202	0.000	0.000	0.000		0.000
1.032	6.450	6.459	1.126	1.126	5.072	2.749	5.082		2.749
2.000	7.582	7.590	0.000	0.000	11.863	3.294	11.881		3.294
4.000	5.181	5.184	2.465	2.468	24.626	5.759	24.655		5.762
6.000	4.690	4.690	2.885	2.889	34.498	11.108	34.529		11.119
8.000	4.924	4.928	2.658	2.667	44.111	16.652	44.148		16.676
10.000	6.251	6.292	1.288	1.325	55.286	20.598	55.369		20.668
12.000	5.407	5.495	2.087	2.123	66.944	23.973	67.156		24.117
12.229	5.240	5.335	2.250	2.288	68.163	24.470	68.396		24.622
13.532	4.664	4.737	2.798	2.849	74.615	27.758	74.957		27.969
15.000	4.177	4.240	3.257	3.314	81.105	32.203	81.547		32.492
20.000	2.627	2.669	4.709	4.740	98.115	52.118	98.820		52.627
23.091	2.359	2.366	4.929	4.936	105.820	67.013	106.602		67.581
25.000	2.190	2.192	5.110	5.114	110.162	76.595	110.953		77.174
26.032	2.015	2.016	5.297	5.303	112.331	81.965	113.124		82.550
30.000	1.503	1.505	5.775	5.787	119.309	103.931	120.109		104.553
34.526	1.948	1.950	5.241	5.249	127.118	128.860	127.927		129.528

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* * * D E S B R O C E S * * *

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PK inicial	:	0.000										
PK final	:	33.408										
		ANCHOS OCUPADOS				AREA DE DESBROCE EN PLANTA		SUPERFICIE REAL				
P. K.	-----				-----		-----		-----			
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
	-PLANTA-	--REAL--	-PLANTA-	--REAL--								
0.000	0.000	0.000	8.283	8.301	0.000	0.000	0.000	0.000	0.000	0.000		
0.256	0.000	0.000	8.286	8.303	0.000	2.121	0.000	2.125	0.000	2.125		
5.000	0.000	0.000	8.308	8.323	0.000	41.483	0.000	41.561	0.000	41.561		
7.756	0.000	0.000	8.258	8.280	0.000	64.311	0.000	64.439	0.000	64.439		
10.000	0.000	0.000	8.218	8.249	0.000	82.796	0.000	82.984	0.000	82.984		
15.000	0.000	0.000	8.123	8.152	0.000	123.648	0.000	123.986	0.000	123.986		
15.073	0.000	0.000	8.122	8.151	0.000	124.241	0.000	124.581	0.000	124.581		
15.256	0.000	0.000	8.120	8.147	0.000	125.727	0.000	126.072	0.000	126.072		
16.000	0.000	0.000	8.117	8.145	0.000	131.768	0.000	132.133	0.000	132.133		
18.000	0.000	0.000	8.128	8.160	0.000	148.013	0.000	148.438	0.000	148.438		
18.075	0.000	0.000	8.129	8.161	0.000	148.622	0.000	149.050	0.000	149.050		
20.000	0.000	0.000	8.148	8.190	0.000	164.288	0.000	164.788	0.000	164.788		
22.000	0.000	0.000	8.177	8.232	0.000	180.613	0.000	181.210	0.000	181.210		
24.000	0.000	0.000	8.213	8.278	0.000	197.002	0.000	197.720	0.000	197.720		
25.575	0.000	0.000	8.247	8.319	0.000	209.965	0.000	210.789	0.000	210.789		
26.000	0.000	0.000	8.257	8.331	0.000	213.472	0.000	214.327	0.000	214.327		
28.000	0.000	0.000	8.278	8.362	0.000	230.007	0.000	231.020	0.000	231.020		
30.000	0.000	0.000	8.279	8.344	0.000	246.565	0.000	247.726	0.000	247.726		
32.000	0.000	0.000	8.283	8.333	0.000	263.127	0.000	264.403	0.000	264.403		
33.075	0.000	0.000	8.286	8.328	0.000	272.033	0.000	273.359	0.000	273.359		
33.408	0.000	0.000	8.288	8.327	0.000	274.792	0.000	276.132	0.000	276.132		

Refino



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PROYECTO :
GRUPO : 0 : CALZADAS PRINCIPALES
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

* * * S U P E R F I C I E S D E S I E M B R A * * *
* * * * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA						
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN				
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr			
0.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
5.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
10.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
15.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
20.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
25.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
30.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
35.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
37.241	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
40.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
45.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
50.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
55.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
60.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
65.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
70.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
75.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
80.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
85.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
86.907	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
90.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
95.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
98.491	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
100.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
105.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
110.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
115.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
120.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
125.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
130.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
135.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
140.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
145.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
146.907	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
150.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
155.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
160.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1

165.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
170.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
175.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
180.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
185.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1



Istram 22.08.08.11 05/12/22 13:24:50 200207

PROYECTO :
GRUPO : 0 : CALZADAS PRINCIPALES
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

pagi na 1

* * * S U P E R F I C I E S D E S I E M B R A * * *

* * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA									
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN							
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr						
190.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
195.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
200.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
205.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
206.907	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
210.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
215.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
220.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
225.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
230.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
235.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
240.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
245.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
250.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
255.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
260.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
265.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
270.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
275.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
280.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
285.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
290.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
295.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
300.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
305.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
310.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1	
315.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1	
320.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1	
325.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1	
330.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1	
335.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1	
335.806	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1	

340.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1
345.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1
350.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1
355.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1
360.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1
362.901	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1
362.911	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1 D1
365.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1 D1
370.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1 D1
375.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1 D1



Istram 22.08.08.11 05/12/22 13:24:50 200207

PROYECTO :

GRUPO : 0 : CALZADAS PRINCIPALES

C. R. S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

pagi na 2

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SUPERFICIES DE SIEMBRA

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P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA								
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN						
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr					
380.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1 D1
385.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1 D1
390.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1 D1
395.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1 D1
400.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1 D1
405.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1 D1
410.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1
413.284	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1
415.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1
420.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1
425.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1
428.703	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1
430.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1
435.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1
440.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1
445.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1
450.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1
455.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1
460.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1
465.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1
467.295	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1
470.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1
473.284	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1
475.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1
480.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1
485.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1
486.838	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1

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 * * * SUPERFICIES DE SIEMBRA * * *
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P. K.	AREAS PARCIALES				SUPERFICIE PORZONAS				SUPERFICIE ACUMULADA									
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN							
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr						
550.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D4	C4	<ST4>	T4	
555.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D4	C4	<ST4>	T4	
560.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D4	C4	<ST4>	T4	
565.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D4	C4	<ST4>	T4	
570.000	0.00	0.00	0.00	3.27	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	3.3	D4	C4	<ST4>	T4	
575.000	0.00	0.00	0.00	5.90	0.0	0.0	0.0	9.2	0.0	0.0	0.0	0.0	9.2	D4	C4	<ST4>	T4	
580.000	0.00	0.00	0.00	5.31	0.0	0.0	0.0	14.5	0.0	0.0	0.0	0.0	14.5	D4	C4	<ST4>	T4	
585.000	0.00	0.00	0.00	5.38	0.0	0.0	0.0	19.9	0.0	0.0	0.0	0.0	19.9	D4	C4	<ST4>	T4	
590.000	0.00	0.00	0.00	5.44	0.0	0.0	0.0	25.3	0.0	0.0	0.0	0.0	25.3	D4	C4	<ST4>	T4	
595.000	0.00	0.00	0.00	5.32	0.0	0.0	0.0	30.6	0.0	0.0	0.0	0.0	30.6	D4	C4	<ST4>	T4	
600.000	0.00	0.00	0.00	5.04	0.0	0.0	0.0	35.7	0.0	0.0	0.0	0.0	35.7	D4	C4	<ST4>	T4	
605.000	0.00	0.00	0.00	5.62	0.0	0.0	0.0	41.3	0.0	0.0	0.0	0.0	41.3	D4	C4	<ST4>	T4	
610.000	0.00	0.00	0.00	7.49	0.0	0.0	0.0	48.8	0.0	0.0	0.0	0.0	48.8	D4	C4	<ST4>	T4	
615.000	0.00	0.00	0.00	9.90	0.0	0.0	0.0	58.7	0.0	0.0	0.0	0.0	58.7	D4	C4	<ST4>	T4	
620.000	0.00	0.00	0.00	12.61	0.0	0.0	0.0	71.3	0.0	0.0	0.0	0.0	71.3	D4	C4	<ST4>	T4	
625.000	0.00	0.00	0.00	15.12	0.0	0.0	0.0	86.4	0.0	0.0	0.0	0.0	86.4	D4	C4	<ST4>	T4	
630.000	0.00	0.00	0.00	17.07	0.0	0.0	0.0	103.5	0.0	0.0	0.0	0.0	103.5	D4	C4	<ST4>	T4	
632.786	0.00	0.00	0.00	10.06	0.0	0.0	0.0	113.5	0.0	0.0	0.0	0.0	113.5	D4	C4	<ST4>	T4	
635.000	0.00	0.00	0.00	8.00	0.0	0.0	0.0	121.5	0.0	0.0	0.0	0.0	121.5	D4	C4	<ST4>	T4	
640.000	0.00	0.00	0.00	17.61	0.0	0.0	0.0	139.1	0.0	0.0	0.0	0.0	139.1	D4	C4	<ST4>	T4	
645.000	0.00	0.00	0.00	16.89	0.0	0.0	0.0	156.0	0.0	0.0	0.0	0.0	156.0	D4	C4	<ST4>	T4	
650.000	0.00	0.00	0.00	16.12	0.0	0.0	0.0	172.1	0.0	0.0	0.0	0.0	172.1	D4	C4	<ST4>	T4	

655.000	0.00	0.00	0.00	15.76	0.0	0.0	0.0	187.9	0.0	0.0	0.0	187.9	D4	C4	<ST4>	T4
660.000	0.00	0.00	0.00	16.56	0.0	0.0	0.0	204.5	0.0	0.0	0.0	204.5	D4	C4	<ST4>	T4
661.997	0.00	0.00	0.00	6.89	0.0	0.0	0.0	211.3	0.0	0.0	0.0	211.3	D4	C4	<ST4>	T4
665.000	0.00	0.00	0.00	10.38	0.0	0.0	0.0	221.7	0.0	0.0	0.0	221.7	D4	C4	<ST4>	T4
670.000	0.00	0.00	0.00	16.71	0.0	0.0	0.0	238.4	0.0	0.0	0.0	238.4	D4	C4	<ST4>	T4
675.000	0.00	0.00	0.00	15.93	0.0	0.0	0.0	254.4	0.0	0.0	0.0	254.4	D4	C4	<ST4>	T4
680.000	0.00	0.00	0.00	16.02	0.0	0.0	0.0	270.4	0.0	0.0	0.0	270.4	D4	C4	<ST4>	T4
685.000	0.00	0.00	0.00	16.60	0.0	0.0	0.0	287.0	0.0	0.0	0.0	287.0	D4	C4	<ST4>	T4
690.000	0.00	0.00	0.00	16.76	0.0	0.0	0.0	303.7	0.0	0.0	0.0	303.7	D4	C4	<ST4>	T4
692.786	0.00	0.00	0.00	9.24	0.0	0.0	0.0	313.0	0.0	0.0	0.0	313.0	D4	C4	<ST4>	T4
695.000	0.00	0.00	0.00	7.23	0.0	0.0	0.0	320.2	0.0	0.0	0.0	320.2	D4	C4	<ST4>	T4
700.000	0.00	0.00	0.00	15.31	0.0	0.0	0.0	335.5	0.0	0.0	0.0	335.5	D4	C4	<ST4>	T4
705.000	0.00	0.00	0.00	14.40	0.0	0.0	0.0	349.9	0.0	0.0	0.0	349.9	D4	C4	<ST4>	T4
710.000	0.00	0.00	0.00	14.02	0.0	0.0	0.0	363.9	0.0	0.0	0.0	363.9	D4	C4	<ST4>	T4
715.000	0.00	0.00	0.00	13.50	0.0	0.0	0.0	377.4	0.0	0.0	0.0	377.4	D4	C4	<ST4>	T4
720.000	0.00	0.00	0.00	13.27	0.0	0.0	0.0	390.7	0.0	0.0	0.0	390.7	D4	C4	<ST4>	T4
725.000	0.00	0.00	0.00	13.64	0.0	0.0	0.0	404.3	0.0	0.0	0.0	404.3	D4	C4	<ST4>	T4
730.000	0.00	0.00	0.00	13.63	0.0	0.0	0.0	418.0	0.0	0.0	0.0	418.0	D4	C4	<ST4>	T4
735.000	0.00	0.00	0.00	13.11	0.0	0.0	0.0	431.1	0.0	0.0	0.0	431.1	D4	C4	<ST4>	T4
740.000	0.00	0.00	0.00	13.07	0.0	0.0	0.0	444.1	0.0	0.0	0.0	444.1	D4	C4	<ST4>	T4



Istram 22.08.08.11 05/12/22 13: 24: 50 200207

PROYECTO :

GRUPO : 0 : CALZADAS PRINCIPALES

C.R. S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

pagi na

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S U P E R F I C I E S D E S I E M B R A

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P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA							
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN					
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr				
745.000	0.00	0.00	0.00	10.58	0.0	0.0	0.0	454.7	0.0	0.0	0.0	454.7	D3	C3	<ST3>	T3
750.000	0.00	0.00	0.00	7.55	0.0	0.0	0.0	462.3	0.0	0.0	0.0	462.3	D3	C3	<ST3>	T3
752.786	0.00	0.00	0.00	3.78	0.0	0.0	0.0	466.1	0.0	0.0	0.0	466.1	D3	C3	<ST3>	T3
755.000	0.00	0.00	0.00	2.73	0.0	0.0	0.0	468.8	0.0	0.0	0.0	468.8	D3	C3	<ST3>	T3
760.000	0.00	0.00	0.00	5.23	0.0	0.0	0.0	474.0	0.0	0.0	0.0	474.0	D3	C3	<ST3>	T3
765.000	0.00	0.00	0.00	3.94	0.0	0.0	0.0	478.0	0.0	0.0	0.0	478.0	D3	C3	<ST3>	T3
770.000	0.00	0.00	0.00	2.82	0.0	0.0	0.0	480.8	0.0	0.0	0.0	480.8	D3	C3	<ST3>	T3
775.000	0.00	0.00	0.00	1.93	0.0	0.0	0.0	482.7	0.0	0.0	0.0	482.7	D3	C3	<ST3>	T3
780.000	0.00	0.00	0.00	1.57	0.0	0.0	0.0	484.3	0.0	0.0	0.0	484.3	D3	C3	<ST3>	T3
785.000	0.00	0.00	0.00	1.70	0.0	0.0	0.0	486.0	0.0	0.0	0.0	486.0	D3	C3	<ST3>	T3
790.000	0.00	0.00	0.00	0.99	0.0	0.0	0.0	487.0	0.0	0.0	0.0	487.0	D3	C3	<ST3>	T3
795.000	0.00	0.00	0.00	0.09	0.0	0.0	0.0	487.1	0.0	0.0	0.0	487.1	D3	C3	<ST3>	T3
800.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	487.1	D3	C3	<ST3>	T3
820.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	487.1	D4	C4	<ST4>	T4
825.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	487.1	D4	C4	<ST4>	T4
830.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	487.1	D4	C4	<ST4>	T4
835.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	487.1	D4	C4	<ST4>	T4

pagi na 5

 * * * SUPERFICIES DE SIEMBRA * * *
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P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA				D4	C4	<ST4>	T4
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN					
	lz	Dr	lz	Dr	lz	Dr	lz	Dr	lz	Dr	lz	Dr				
970.000	0.00	0.00	0.00	32.43	0.0	0.0	0.0	247.6	0.0	0.0	0.0	734.6				
975.000	0.00	0.00	0.00	32.23	0.0	0.0	0.0	279.8	0.0	0.0	0.0	766.9				
980.000	0.00	0.00	0.00	31.65	0.0	0.0	0.0	311.5	0.0	0.0	0.0	798.5				
985.000	0.00	0.00	0.00	30.40	0.0	0.0	0.0	341.9	0.0	0.0	0.0	828.9				
990.000	0.00	0.00	0.00	28.23	0.0	0.0	0.0	370.1	0.0	0.0	0.0	857.1				
994.623	0.00	0.00	0.00	23.41	0.0	0.0	0.0	393.5	0.0	0.0	0.0	880.6				
995.000	0.00	0.00	0.00	1.78	0.0	0.0	0.0	395.3	0.0	0.0	0.0	882.3				
1000.000	0.00	0.00	0.00	23.12	0.0	0.0	0.0	418.4	0.0	0.0	0.0	905.5				
1005.000	0.00	0.00	0.00	20.39	0.0	0.0	0.0	438.8	0.0	0.0	0.0	925.9				
1010.000	0.00	0.00	0.00	16.25	0.0	0.0	0.0	455.0	0.0	0.0	0.0	942.1				
1015.000	0.00	0.00	0.00	12.57	0.0	0.0	0.0	467.6	0.0	0.0	0.0	954.7				
1020.000	0.00	0.00	0.00	8.92	0.0	0.0	0.0	476.5	0.0	0.0	0.0	963.6				

1022.478	0.00	0.00	0.00	3.38	0.0	0.0	0.0	479.9	0.0	0.0	0.0	967.0	D4	C4	<ST4>	T4
1025.000	0.00	0.00	0.00	3.24	0.0	0.0	0.0	483.2	0.0	0.0	0.0	970.2	D4	C4	<ST4>	T4
1030.000	0.00	0.00	0.00	6.42	0.0	0.0	0.0	489.6	0.0	0.0	0.0	976.6	D4	C4	<ST4>	T4
1035.000	0.00	0.00	0.00	6.10	0.0	0.0	0.0	495.7	0.0	0.0	0.0	982.7	D4	C4	<ST4>	T4
1040.000	0.00	0.00	0.00	5.56	0.0	0.0	0.0	501.2	0.0	0.0	0.0	988.3	D4	C4	<ST4>	T4
1045.000	0.00	0.00	0.00	4.65	0.0	0.0	0.0	505.9	0.0	0.0	0.0	992.9	D4	C4	<ST4>	T4
1050.000	0.00	0.00	0.00	3.10	0.0	0.0	0.0	509.0	0.0	0.0	0.0	996.0	D4	C4	<ST4>	T4
1054.623	0.00	0.00	0.00	1.69	0.0	0.0	0.0	510.7	0.0	0.0	0.0	997.7	D4	C4	<ST4>	T4
1055.000	0.00	0.00	0.00	0.10	0.0	0.0	0.0	510.8	0.0	0.0	0.0	997.8	D4	C4	<ST4>	T4
1056.219	0.00	0.00	0.00	0.29	0.0	0.0	0.0	511.1	0.0	0.0	0.0	998.1	D4	C4	<ST4>	T4
1060.000	0.00	0.00	0.00	0.67	0.0	0.0	0.0	511.7	0.0	0.0	0.0	998.8	D4	C4	<ST4>	T4
1065.000	0.00	0.00	0.00	0.30	0.0	0.0	0.0	512.0	0.0	0.0	0.0	999.1	D4	C4	<ST4>	T4
1070.000	0.00	0.00	0.00	0.13	0.0	0.0	0.0	512.1	0.0	0.0	0.0	999.2	D4	C4	<ST4>	T4
1075.000	0.00	0.00	0.00	0.49	0.0	0.0	0.0	512.6	0.0	0.0	0.0	999.7	D4	C4	<ST4>	T4
1080.000	0.00	0.00	0.00	0.94	0.0	0.0	0.0	513.6	0.0	0.0	0.0	1000.6	D4	C4	<ST4>	T4
1085.000	0.00	0.00	0.00	1.39	0.0	0.0	0.0	515.0	0.0	0.0	0.0	1002.0	D4	C4	<ST4>	T4
1090.000	0.00	0.00	0.00	1.84	0.0	0.0	0.0	516.8	0.0	0.0	0.0	1003.9	D4	C4	<ST4>	T4
1095.000	0.00	0.00	0.00	2.29	0.0	0.0	0.0	519.1	0.0	0.0	0.0	1006.2	D4	C4	<ST4>	T4
1100.000	0.00	0.00	0.00	2.74	0.0	0.0	0.0	521.8	0.0	0.0	0.0	1008.9	D4	C4	<ST4>	T4
1105.000	0.00	0.00	0.00	2.02	0.0	0.0	0.0	523.9	0.0	0.0	0.0	1010.9	D4	C4	<ST4>	T4
1110.000	0.00	0.00	0.00	1.66	0.0	0.0	0.0	525.5	0.0	0.0	0.0	1012.6	D4	C4	<ST4>	T4
1115.000	0.00	0.00	0.00	2.69	0.0	0.0	0.0	528.2	0.0	0.0	0.0	1015.3	D4	C4	<ST4>	T4
1120.000	0.00	0.00	0.00	3.34	0.0	0.0	0.0	531.6	0.0	0.0	0.0	1018.6	D4	C4	<ST4>	T4
1125.000	0.00	0.00	0.00	3.13	0.0	0.0	0.0	534.7	0.0	0.0	0.0	1021.7	D4	C4	<ST4>	T4
1130.000	0.00	0.00	0.00	2.94	0.0	0.0	0.0	537.6	0.0	0.0	0.0	1024.7	D4	C4	<ST4>	T4
1135.000	0.00	0.00	0.00	4.24	0.0	0.0	0.0	541.9	0.0	0.0	0.0	1028.9	D4	C4	<ST4>	T4
1140.000	0.00	0.00	0.00	6.32	0.0	0.0	0.0	548.2	0.0	0.0	0.0	1035.2	D4	C4	<ST4>	T4
1145.000	0.00	0.00	0.00	8.28	0.0	0.0	0.0	556.5	0.0	0.0	0.0	1043.5	D4	C4	<ST4>	T4
1150.000	0.00	0.00	0.00	10.51	0.0	0.0	0.0	567.0	0.0	0.0	0.0	1054.0	D4	C4	<ST4>	T4
1155.000	0.00	0.00	0.00	13.06	0.0	0.0	0.0	580.0	0.0	0.0	0.0	1067.1	D4	C4	<ST4>	T4



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PROYECTO :
GRUPO : 0 : CALZADAS PRINCIPALES
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

pagi na 6

* * * S U P E R F I C I E S D E S I E M B R A * * *

* * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA							
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN					
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr				
1160.000	0.00	0.00	0.00	15.85	0.0	0.0	0.0	595.9	0.0	0.0	0.0	1082.9	D4	C4	<ST4>	T4
1165.000	0.00	0.00	0.00	20.13	0.0	0.0	0.0	616.0	0.0	0.0	0.0	1103.1	D4	C4	<ST4>	T4
1170.000	0.00	0.00	0.00	24.17	0.0	0.0	0.0	640.2	0.0	0.0	0.0	1127.2	D4	C4	<ST4>	T4
1175.000	0.00	0.00	0.00	26.93	0.0	0.0	0.0	667.1	0.0	0.0	0.0	1154.2	D4	C4	<ST4>	T4
1177.789	0.00	0.00	0.00	16.48	0.0	0.0	0.0	683.6	0.0	0.0	0.0	1170.6	D4	C4	<ST4>	T4
1180.000	0.00	0.00	0.00	13.89	0.0	0.0	0.0	697.5	0.0	0.0	0.0	1184.5	D4	C4	<ST4>	T4
1185.000	0.00	0.00	0.00	32.95	0.0	0.0	0.0	730.4	0.0	0.0	0.0	1217.5	D4	C4	<ST4>	T4

1190.000	0.00	0.00	0.00	34.29	0.0	0.0	0.0	764.7	0.0	0.0	0.0	1251.8	D4	C4	<ST4>	T4
1195.000	0.00	0.00	0.00	35.55	0.0	0.0	0.0	800.3	0.0	0.0	0.0	1287.3	D4	C4	<ST4>	T4
1200.000	0.00	0.00	0.00	35.06	0.0	0.0	0.0	835.3	0.0	0.0	0.0	1322.4	D4	C4	<ST4>	T4
1205.000	0.00	0.00	0.00	32.00	0.0	0.0	0.0	867.3	0.0	0.0	0.0	1354.4	D4	C4	<ST4>	T4
1210.000	0.00	0.00	0.00	29.36	0.0	0.0	0.0	896.7	0.0	0.0	0.0	1383.8	D4	C4	<ST4>	T4
1215.000	0.00	0.00	0.00	27.02	0.0	0.0	0.0	923.7	0.0	0.0	0.0	1410.8	D4	C4	<ST4>	T4
1220.000	0.00	0.00	0.00	25.89	0.0	0.0	0.0	949.6	0.0	0.0	0.0	1436.7	D4	C4	<ST4>	T4
1225.000	0.00	0.00	0.00	27.23	0.0	0.0	0.0	976.8	0.0	0.0	0.0	1463.9	D4	C4	<ST4>	T4
1230.000	0.00	0.00	0.00	30.78	0.0	0.0	0.0	1007.6	0.0	0.0	0.0	1494.7	D4	C4	<ST4>	T4
1235.000	0.00	0.00	0.00	35.44	0.0	0.0	0.0	1043.1	0.0	0.0	0.0	1530.1	D4	C4	<ST4>	T4
1240.000	0.00	0.00	0.00	36.09	0.0	0.0	0.0	1079.2	0.0	0.0	0.0	1566.2	D4	C4	<ST4>	T4
1245.000	0.00	0.00	0.00	32.26	0.0	0.0	0.0	1111.4	0.0	0.0	0.0	1598.5	D4	C4	<ST4>	T4
1250.000	0.00	0.00	0.00	26.37	0.0	0.0	0.0	1137.8	0.0	0.0	0.0	1624.8	D4	C4	<ST4>	T4
1255.000	0.00	0.00	0.00	21.87	0.0	0.0	0.0	1159.7	0.0	0.0	0.0	1646.7	D4	C4	<ST4>	T4
1260.000	0.00	0.00	0.00	19.80	0.0	0.0	0.0	1179.4	0.0	0.0	0.0	1666.5	D4	C4	<ST4>	T4
1265.000	0.00	0.00	0.00	17.59	0.0	0.0	0.0	1197.0	0.0	0.0	0.0	1684.1	D4	C4	<ST4>	T4
1270.000	0.00	0.00	0.00	16.05	0.0	0.0	0.0	1213.1	0.0	0.0	0.0	1700.1	D4	C4	<ST4>	T4
1275.000	0.00	0.00	0.00	15.79	0.0	0.0	0.0	1228.9	0.0	0.0	0.0	1715.9	D4	C4	<ST4>	T4
1280.000	0.00	0.00	0.00	16.04	0.0	0.0	0.0	1244.9	0.0	0.0	0.0	1732.0	D4	C4	<ST4>	T4
1285.000	0.00	0.00	0.00	15.96	0.0	0.0	0.0	1260.9	0.0	0.0	0.0	1747.9	D4	C4	<ST4>	T4
1290.000	0.00	0.00	0.00	15.24	0.0	0.0	0.0	1276.1	0.0	0.0	0.0	1763.2	D4	C4	<ST4>	T4
1295.000	0.00	0.00	0.00	14.86	0.0	0.0	0.0	1291.0	0.0	0.0	0.0	1778.0	D4	C4	<ST4>	T4
1300.000	0.00	0.00	0.00	14.17	0.0	0.0	0.0	1305.2	0.0	0.0	0.0	1792.2	D4	C4	<ST4>	T4
1305.000	0.00	0.00	0.00	13.55	0.0	0.0	0.0	1318.7	0.0	0.0	0.0	1805.8	D4	C4	<ST4>	T4
1310.000	0.00	0.00	0.00	13.89	0.0	0.0	0.0	1332.6	0.0	0.0	0.0	1819.6	D4	C4	<ST4>	T4
1315.000	0.00	0.00	0.00	14.14	0.0	0.0	0.0	1346.7	0.0	0.0	0.0	1833.8	D4	C4	<ST4>	T4
1320.000	0.00	0.00	0.00	14.32	0.0	0.0	0.0	1361.1	0.0	0.0	0.0	1848.1	D4	C4	<ST4>	T4
1325.000	0.00	0.00	0.00	14.65	0.0	0.0	0.0	1375.7	0.0	0.0	0.0	1862.8	D4	C4	<ST4>	T4
1330.000	0.00	0.00	0.00	15.27	0.0	0.0	0.0	1391.0	0.0	0.0	0.0	1878.0	D4	C4	<ST4>	T4
1335.000	0.00	0.00	0.00	16.02	0.0	0.0	0.0	1407.0	0.0	0.0	0.0	1894.0	D4	C4	<ST4>	T4
1340.000	0.00	0.00	0.00	16.95	0.0	0.0	0.0	1423.9	0.0	0.0	0.0	1911.0	D4	C4	<ST4>	T4
1345.000	0.00	0.00	0.00	20.49	0.0	0.0	0.0	1444.4	0.0	0.0	0.0	1931.5	D4	C4	<ST4>	T4
1350.000	0.00	0.00	0.00	20.41	0.0	0.0	0.0	1464.8	0.0	0.0	0.0	1951.9	D4	C4	<ST4>	T4
1355.000	0.00	0.00	0.00	16.95	0.0	0.0	0.0	1481.8	0.0	0.0	0.0	1968.8	D4	C4	<ST4>	T4
1360.000	0.00	0.00	0.00	16.33	0.0	0.0	0.0	1498.1	0.0	0.0	0.0	1985.2	D4	C4	<ST4>	T4



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PROYECTO :

GRUPO : 0 : CALZADAS PRINCIPALES

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

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SUPERFICIES DE SIEMBRA

* * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA							
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN					
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr				
1365.000	0.00	0.00	0.00	15.87	0.0	0.0	0.0	1514.0	0.0	0.0	0.0	2001.0	D4	C4	<ST4>	T4
1370.000	0.00	0.00	0.00	15.75	0.0	0.0	0.0	1529.7	0.0	0.0	0.0	2016.8	D4	C4	<ST4>	T4

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 * * * SUPERFICIES DE SIEMBRA * * *
 * * * * *

SUPERFICIE ACUMULADA

TERRAPLEN

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PROYECTO :

GRUPO : 0 : CALZADAS PRINCIPALES

C. R. S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

* * *

S U P E R F I C I E S D E S I E M B R A

* * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA				
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	
1785.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2402.1	T2 <ST2> T2
1790.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2402.1	T2 <ST2> T2
1795.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2402.1	T2 <ST2> T2
1800.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2402.1	T2 <ST2> T2
1800.990	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2402.1	T2 <ST2> T2
1805.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2402.1	T2 <ST2> T2
1810.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2402.1	T2 <ST2> T2
1815.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2402.1	T2 <ST2> T2
1820.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2402.1	T2 <ST2> T2
1825.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2402.1	T2 <ST2> T2
1830.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2402.1	D2 C2 <ST2> T2
1835.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2402.1	D2 C2 <ST2> T2
1840.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2402.1	D2 C2 <ST2> T2
1845.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2402.1	D2 C2 <ST2> T2
1850.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2402.1	D2 C2 <ST2> T2
1855.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2402.1	D2 C2 <ST2> T2
1860.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2402.1	D2 C2 <ST2> T2
1865.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2402.1	D2 C2 <ST2> T2
1870.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2402.1	D2 C2 <ST2> T2
1875.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2402.1	D2 C2 <ST2> T2
1880.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2402.1	D2 C2 <ST2> T2
1885.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2402.1	D2 C2 <ST2> T2
1890.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2402.1	D2 C2 <ST2> T2
1895.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2402.1	D2 C2 <ST2> T2
1900.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2402.1	D2 C2 <ST2> T2
1905.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2402.1	D2 C2 <ST2> T2
1910.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2402.1	D2 C2 <ST2> C2 D2
1912.583	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2402.1	D2 C2 <ST2> C2 D2
1915.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2402.1	D2 C2 <ST2> C2 D2
1920.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2402.1	D2 C2 <ST2> C2 D2
1925.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2402.1	D2 C2 <ST2> C2 D2
1930.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2402.1	D2 C2 <ST2> C2 D2
1935.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2402.1	D2 C2 <ST2> C2 D2
1940.000	0.00	0.07	0.00	0.00	0.0	0.1	0.0	0.0	0.0	0.1	0.0	2402.1	D2 C2 <ST2> C2 D2
1945.000	0.00	0.72	0.00	0.00	0.0	0.8	0.0	0.0	0.0	0.8	0.0	2402.1	D2 C2 <ST2> C2 D2
1950.000	0.00	1.14	0.00	0.00	0.0	1.9	0.0	0.0	0.0	1.9	0.0	2402.1	D2 C2 <ST2> C2 D2
1955.000	0.00	1.02	0.00	0.00	0.0	3.0	0.0	0.0	0.0	3.0	0.0	2402.1	D2 C2 <ST2> C2 D2
1960.000	0.00	1.11	0.00	0.00	0.0	4.1	0.0	0.0	0.0	4.1	0.0	2402.1	D2 C2 <ST2> C2 D2
1965.000	0.00	1.31	0.00	0.00	0.0	5.4	0.0	0.0	0.0	5.4	0.0	2402.1	D2 C2 <ST2> C2 D2
1970.000	0.00	2.81	0.00	0.00	0.0	8.2	0.0	0.0	0.0	8.2	0.0	2402.1	D2 C2 <ST2> C2 D2
1975.000	0.00	4.84	0.00	0.00	0.0	13.0	0.0	0.0	0.0	13.0	0.0	2402.1	D2 C2 <ST2> C2 D2
1980.000	0.00	5.54	0.00	0.00	0.0	18.6	0.0	0.0	0.0	18.6	0.0	2402.1	D2 C2 <ST2> C2 D2



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PROYECTO :
 GRUPO : 0 : CALZADAS PRINCIPALES
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

Istram 22.08.08.11 05/12/22 13:24:50 200207
PROYECTO :
GRUPO : 0 : CALZADAS PRINCIPALES
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

* * * S U P E R F I C I E S D E S I E M B R A * * *
* * * * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA						
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN				
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr			
2195.000	0.00	58.06	0.00	0.00	0.0	1396.8	0.0	0.0	0.0	1396.8	0.0	2402.1	D5	C5	<ST5> C5 D5
2200.000	0.00	59.14	0.00	0.00	0.0	1456.0	0.0	0.0	0.0	1456.0	0.0	2402.1	D5	C5	<ST5> C5 D5
2205.000	0.00	59.43	0.00	0.00	0.0	1515.4	0.0	0.0	0.0	1515.4	0.0	2402.1	D5	C5	<ST5> C5 D5
2207.583	0.00	30.78	0.00	0.00	0.0	1546.2	0.0	0.0	0.0	1546.2	0.0	2402.1	D5	C5	<ST5> C5 D5
2210.000	0.00	29.33	0.00	0.00	0.0	1575.5	0.0	0.0	0.0	1575.5	0.0	2402.1	D5	C5	<ST5> C5 D5
2215.000	0.00	62.04	0.00	0.00	0.0	1637.6	0.0	0.0	0.0	1637.6	0.0	2402.1	D5	C5	<ST5> C5 D5
2220.000	0.00	62.50	0.00	0.00	0.0	1700.1	0.0	0.0	0.0	1700.1	0.0	2402.1	D5	C5	<ST5> C5 D5
2225.000	0.00	62.68	0.00	0.00	0.0	1762.8	0.0	0.0	0.0	1762.8	0.0	2402.1	D5	C5	<ST5> C5 D5
2230.000	0.00	63.10	0.00	0.00	0.0	1825.9	0.0	0.0	0.0	1825.9	0.0	2402.1	D5	C5	<ST5> C5 D5
2235.000	0.00	63.76	0.00	0.00	0.0	1889.6	0.0	0.0	0.0	1889.6	0.0	2402.1	D5	C5	<ST5> C5 D5
2236.700	0.00	21.84	0.00	0.00	0.0	1911.5	0.0	0.0	0.0	1911.5	0.0	2402.1	D5	C5	<ST5> C5 D5
2240.000	0.00	42.70	0.00	0.00	0.0	1954.2	0.0	0.0	0.0	1954.2	0.0	2402.1	D5	C5	<ST5> C5 D5
2245.000	0.00	65.30	0.00	0.00	0.0	2019.5	0.0	0.0	0.0	2019.5	0.0	2402.1	D5	C5	<ST5> C5 D5
2250.000	0.00	65.79	0.00	0.00	0.0	2085.2	0.0	0.0	0.0	2085.2	0.0	2402.1	D5	C5	<ST5> C5 D5
2255.000	0.00	66.25	0.00	0.00	0.0	2151.5	0.0	0.0	0.0	2151.5	0.0	2402.1	D5	C5	<ST5> C5 D5
2260.000	0.00	67.08	0.00	0.00	0.0	2218.6	0.0	0.0	0.0	2218.6	0.0	2402.1	D5	C5	<ST5> C5 D5
2265.000	0.00	67.85	0.00	0.00	0.0	2286.4	0.0	0.0	0.0	2286.4	0.0	2402.1	D5	C5	<ST5> C5 D5
2270.000	0.00	68.15	0.00	0.00	0.0	2354.6	0.0	0.0	0.0	2354.6	0.0	2402.1	D5	C5	<ST5> C5 D5
2275.000	0.00	68.66	0.00	0.00	0.0	2423.2	0.0	0.0	0.0	2423.2	0.0	2402.1	D5	C5	<ST5> C5 D5
2280.000	0.00	69.60	0.00	0.00	0.0	2492.8	0.0	0.0	0.0	2492.8	0.0	2402.1	D5	C5	<ST5> C5 D5
2285.000	0.00	70.36	0.00	0.00	0.0	2563.2	0.0	0.0	0.0	2563.2	0.0	2402.1	D5	C5	<ST5> C5 D5
2290.000	0.00	70.69	0.00	0.00	0.0	2633.9	0.0	0.0	0.0	2633.9	0.0	2402.1	D5	C5	<ST5> C5 D5
2295.000	0.00	71.00	0.00	0.00	0.0	2704.9	0.0	0.0	0.0	2704.9	0.0	2402.1	D5	C5	<ST5> C5 D5
2300.000	0.00	71.19	0.00	0.00	0.0	2776.1	0.0	0.0	0.0	2776.1	0.0	2402.1	D5	C5	<ST5> C5 D5
2305.000	0.00	71.51	0.00	0.00	0.0	2847.6	0.0	0.0	0.0	2847.6	0.0	2402.1	D5	C5	<ST5> C5 D5
2310.000	0.00	71.91	0.00	0.00	0.0	2919.5	0.0	0.0	0.0	2919.5	0.0	2402.1	D5	C5	<ST5> C5 D5
2315.000	0.00	72.49	0.00	0.00	0.0	2992.0	0.0	0.0	0.0	2992.0	0.0	2402.1	D5	C5	<ST5> C5 D5
2320.000	0.00	73.10	0.00	0.00	0.0	3065.1	0.0	0.0	0.0	3065.1	0.0	2402.1	D5	C5	<ST5> C5 D5
2325.000	0.00	73.51	0.00	0.00	0.0	3138.6	0.0	0.0	0.0	3138.6	0.0	2402.1	D5	C5	<ST5> C5 D5
2330.000	0.00	73.79	0.00	0.00	0.0	3212.4	0.0	0.0	0.0	3212.4	0.0	2402.1	D5	C5	<ST5> C5 D5
2335.000	0.00	73.80	0.00	0.00	0.0	3286.2	0.0	0.0	0.0	3286.2	0.0	2402.1	D5	C5	<ST5> C5 D5
2340.000	0.00	73.98	0.00	0.00	0.0	3360.2	0.0	0.0	0.0	3360.2	0.0	2402.1	D5	C5	<ST5> C5 D5
2345.000	0.00	74.53	0.00	0.00	0.0	3434.7	0.0	0.0	0.0	3434.7	0.0	2402.1	D5	C5	<ST5> C5 D5
2350.000	0.00	74.20	0.00	0.00	0.0	3508.9	0.0	0.0	0.0	3508.9	0.0	2402.1	D5	C5	<ST5> C5 D5
2355.000	0.00	72.78	0.00	0.00	0.0	3581.7	0.0	0.0	0.0	3581.7	0.0	2402.1	D5	C5	<ST5> C5 D5
2360.000	0.00	71.98	0.00	0.00	0.0	3653.7	0.0	0.0	0.0	3653.7	0.0	2402.1	D5	C5	<ST5> C5 D5
2365.000	0.00	71.97	0.00	0.00	0.0	3725.6	0.0	0.0	0.0	3725.6	0.0	2402.1	D5	C5	<ST5> C5 D5
2370.000	0.00	72.06	0.00	0.00	0.0	3797.7	0.0	0.0	0.0	3797.7	0.0	2402.1	D5	C5	<ST5> C5 D5

2375.000	0.00	72.43	0.00	0.00	0.0	3870.1	0.0	0.0	0.0	3870.1	0.0	2402.1	D5	C5	<ST5>	C5	D5
2380.000	0.00	72.66	0.00	0.00	0.0	3942.8	0.0	0.0	0.0	3942.8	0.0	2402.1	D5	C5	<ST5>	C5	D5
2385.000	0.00	72.38	0.00	0.00	0.0	4015.1	0.0	0.0	0.0	4015.1	0.0	2402.1	D5	C5	<ST5>	C5	D5
2390.000	0.00	71.95	0.00	0.00	0.0	4087.1	0.0	0.0	0.0	4087.1	0.0	2402.1	D5	C5	<ST5>	C5	D5



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PROYECTO :
GRUPO : 0 : CALZADAS PRINCIPALES
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

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* * * S U P E R F I C I E S D E S I E M B R A * * *

* * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA								
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN						
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr					
2395.000	0.00	71.26	0.00	0.00	0.0	4158.4	0.0	0.0	0.0	4158.4	0.0	2402.1	D5	C5	<ST5>	C5	D5
2400.000	0.00	70.25	0.00	0.00	0.0	4228.6	0.0	0.0	0.0	4228.6	0.0	2402.1	D5	C5	<ST5>	C5	D5
2405.000	0.00	69.16	0.00	0.00	0.0	4297.8	0.0	0.0	0.0	4297.8	0.0	2402.1	D5	C5	<ST5>	C5	D5
2410.000	0.00	67.98	0.00	0.00	0.0	4365.7	0.0	0.0	0.0	4365.7	0.0	2402.1	D5	C5	<ST5>	C5	D5
2415.000	0.00	66.39	0.00	0.00	0.0	4432.1	0.0	0.0	0.0	4432.1	0.0	2402.1	D5	C5	<ST5>	C5	D5
2420.000	0.00	64.13	0.00	0.00	0.0	4496.3	0.0	0.0	0.0	4496.3	0.0	2402.1	D5	C5	<ST5>	C5	D5
2425.000	0.00	61.29	0.00	0.00	0.0	4557.6	0.0	0.0	0.0	4557.6	0.0	2402.1	D5	C5	<ST5>	C5	D5
2430.000	0.00	58.42	0.00	0.00	0.0	4616.0	0.0	0.0	0.0	4616.0	0.0	2402.1	D5	C5	<ST5>	C5	D5
2435.000	0.00	55.45	0.00	0.00	0.0	4671.4	0.0	0.0	0.0	4671.4	0.0	2402.1	D5	C5	<ST5>	C5	D5
2440.000	0.00	51.78	0.00	0.00	0.0	4723.2	0.0	0.0	0.0	4723.2	0.0	2402.1	D5	C5	<ST5>	C5	D5
2445.000	0.00	47.40	0.00	0.00	0.0	4770.6	0.0	0.0	0.0	4770.6	0.0	2402.1	D5	C5	<ST5>	C5	D5
2450.000	0.00	43.78	0.00	0.00	0.0	4814.4	0.0	0.0	0.0	4814.4	0.0	2402.1	D5	C5	<ST5>	C5	D5
2455.000	0.00	41.12	0.00	0.00	0.0	4855.5	0.0	0.0	0.0	4855.5	0.0	2402.1	D5	C5	<ST5>	C5	D5
2460.000	0.00	38.63	0.00	0.00	0.0	4894.1	0.0	0.0	0.0	4894.1	0.0	2402.1	D5	C5	<ST5>	C5	D5
2465.000	0.00	36.69	0.00	0.00	0.0	4930.8	0.0	0.0	0.0	4930.8	0.0	2402.1	D5	C5	<ST5>	C5	D5
2470.000	0.00	19.06	0.00	0.00	0.0	4949.9	0.0	0.0	0.0	4949.9	0.0	2402.1	D5	C5	<ST5>	C5	D5
2475.000	0.00	2.28	0.00	0.00	0.0	4952.2	0.0	0.0	0.0	4952.2	0.0	2402.1	D5	C5	<ST5>	C5	D5
2480.000	0.00	2.24	0.00	0.00	0.0	4954.4	0.0	0.0	0.0	4954.4	0.0	2402.1	D5	C5	<ST5>	C5	D5
2485.000	0.00	2.15	0.00	0.00	0.0	4956.5	0.0	0.0	0.0	4956.5	0.0	2402.1	D5	C5	<ST5>	C5	D5
2490.000	0.00	2.07	0.00	0.00	0.0	4958.6	0.0	0.0	0.0	4958.6	0.0	2402.1	D5	C5	<ST5>	C5	D5
2495.000	0.00	2.05	0.00	0.00	0.0	4960.7	0.0	0.0	0.0	4960.7	0.0	2402.1	D5	C5	<ST5>	C5	D5
2500.000	0.00	2.05	0.00	0.00	0.0	4962.7	0.0	0.0	0.0	4962.7	0.0	2402.1	D5	C5	<ST5>	C5	D5
2505.000	0.00	2.00	0.00	0.00	0.0	4964.7	0.0	0.0	0.0	4964.7	0.0	2402.1	D5	C5	<ST5>	C5	D5
2510.000	0.00	1.92	0.00	0.00	0.0	4966.6	0.0	0.0	0.0	4966.6	0.0	2402.1	D5	C5	<ST5>	C5	D5
2515.000	0.00	1.92	0.00	0.00	0.0	4968.6	0.0	0.0	0.0	4968.6	0.0	2402.1	D5	C5	<ST5>	C5	D5
2520.000	0.00	1.77	0.00	0.00	0.0	4970.3	0.0	0.0	0.0	4970.3	0.0	2402.1	D5	C5	<ST5>	C5	D5
2525.000	0.00	1.58	0.00	0.00	0.0	4971.9	0.0	0.0	0.0	4971.9	0.0	2402.1	D5	C5	<ST5>	C5	D5
2530.000	0.00	1.59	0.00	0.00	0.0	4973.5	0.0	0.0	0.0	4973.5	0.0	2402.1	D5	C5	<ST5>	C5	D5
2535.000	0.00	1.71	0.00	0.00	0.0	4975.2	0.0	0.0	0.0	4975.2	0.0	2402.1	D5	C5	<ST5>	C5	D5
2540.000	0.00	1.95	0.00	0.00	0.0	4977.1	0.0	0.0	0.0	4977.1	0.0	2402.1	D5	C5	<ST5>	C5	D5
2545.000	0.00	2.20	0.00	0.00	0.0	4979.4	0.0	0.0	0.0	4979.4	0.0	2402.1	D5	C5	<ST5>	C5	D5
2550.000	0.00	2.38	0.00	0.00	0.0	4981.7	0.0	0.0	0.0	4981.7	0.0	2402.1	D5	C5	<ST5>	C5	D5
2555.000	0.00	2.49	0.00	0.00	0.0	4984.2	0.0	0.0	0.0	4984.2	0.0	2402.1	D5	C5	<ST5>	C5	D5

2560.000	0.00	2.59	0.00	0.00	0.0	4986.8	0.0	0.0	0.0	4986.8	0.0	2402.1	D5	C5	<ST5>	C5	D5
2563.878	0.00	2.04	0.00	0.00	0.0	4988.9	0.0	0.0	0.0	4988.9	0.0	2402.1	D5	C5	<ST5>	C5	D5
2564.016	0.00	0.07	0.00	0.00	0.0	4988.9	0.0	0.0	0.0	4988.9	0.0	2402.1	D5	C5	<ST5>	C5	D5
2564.016	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4988.9	0.0	2402.1	D1	C1	<ST1>	C1	D1
2565.000	0.00	0.08	0.00	0.00	0.0	0.1	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2570.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2575.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2580.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2585.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1



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PROYECTO :
GRUPO : 0 : CALZADAS PRINCIPALES
C. R. S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

* * * S U P E R F I C I E S D E S I E M B R A * * *
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P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA								
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN						
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr					
2590.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2595.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2600.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2605.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2610.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2615.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2620.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2625.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2630.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2635.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2640.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2645.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2650.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2655.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2660.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2665.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2670.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2675.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2680.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2685.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2690.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2695.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2700.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2705.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2710.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2715.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2715.236	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2720.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1

2725.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2730.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2735.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2740.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2745.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2750.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2755.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2760.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2765.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2770.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2775.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2775.236	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2780.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2785.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1



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PROYECTO :

GRUPO : 0 : CALZADAS PRINCIPALES

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

pagi na 14

* * *

SUPERFICIES DE SIEMBRA

* * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA								
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN						
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr					
2789.418	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2790.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2795.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2800.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2805.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2810.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2815.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2820.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2825.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2830.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2835.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2835.236	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2837.093	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2840.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2845.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2850.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2855.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2860.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2865.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2870.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2875.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2880.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
2885.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1

2885.404	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4989.0	0.0	2402.1	D1	C1	<ST1>	C1	D1
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PROYECTO :
GRUPO : 5 : CALZADAS LATERALES. EJES COMPLEMENTARIOS
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 3 : V30 - CALZADA IZQUIERDA (CPOL3_a1.vol)

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* * * SUPERFICIES DE SIEMBRA * * *
* * * * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA						
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN				
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr			
0.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
20.000	2.75	112.81	0.00	0.00	2.7	112.8	0.0	0.0	2.7	112.8	0.0	0.0	D1	C1	<ST1> C1 D1
40.000	0.00	99.44	0.00	0.00	0.0	212.3	0.0	0.0	2.7	212.3	0.0	0.0	D1	C1	<ST1> C1 D1
51.571	0.00	50.55	0.00	0.00	0.0	262.8	0.0	0.0	2.7	262.8	0.0	0.0	D1	C1	<ST1> C1 D1
60.000	0.00	37.16	0.00	0.00	0.0	300.0	0.0	0.0	2.7	300.0	0.0	0.0	D1	C1	<ST1> C1 D1
60.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.7	300.0	0.0	0.0	D1	C1	<ST1> C1 D1
80.000	0.00	87.26	0.00	0.00	0.0	87.3	0.0	0.0	2.7	387.2	0.0	0.0	D1	C1	<ST1> C1 D1
88.703	0.00	40.49	0.00	0.00	0.0	127.7	0.0	0.0	2.7	427.7	0.0	0.0	D1	C1	<ST1> C1 D1
100.000	0.00	43.20	0.00	0.00	0.0	170.9	0.0	0.0	2.7	470.9	0.0	0.0	D1	C1	<ST1> C1 D1
120.000	0.00	61.60	0.00	0.00	0.0	232.5	0.0	0.0	2.7	532.5	0.0	0.0	D1	C1	<ST1> C1 D1
126.652	0.00	22.04	0.00	0.00	0.0	254.6	0.0	0.0	2.7	554.6	0.0	0.0	D1	C1	<ST1> C1 D1
139.309	0.00	41.14	0.00	0.00	0.0	295.7	0.0	0.0	2.7	595.7	0.0	0.0	D1	C1	<ST1> C1 D1
140.000	0.00	2.17	0.00	0.00	0.0	297.9	0.0	0.0	2.7	597.9	0.0	0.0	D1	C1	<ST1> C1 D1
180.000	0.00	105.41	0.00	0.00	0.0	403.3	0.0	0.0	2.7	703.3	0.0	0.0	T1	<ST1>	C1 D1
200.000	0.00	43.56	0.00	0.00	0.0	446.9	0.0	0.0	2.7	746.8	0.0	0.0	T1	<ST1>	C1 D1
200.109	0.00	0.24	0.00	0.00	0.0	447.1	0.0	0.0	2.7	747.1	0.0	0.0	T1	<ST1>	C1 D1
215.309	0.00	31.25	0.00	0.00	0.0	478.3	0.0	0.0	2.7	778.3	0.0	0.0	T1	<ST1>	C1 D1
260.000	0.00	48.09	0.00	0.00	0.0	526.4	0.0	0.0	2.7	826.4	0.0	0.0	T1	<ST1>	C1 D1
260.909	0.00	0.12	2.27	0.00	0.0	526.6	2.3	0.0	2.7	826.5	2.3	0.0	T1	<ST1>	T1
280.000	0.00	0.00	47.68	11.75	0.0	0.0	50.0	11.7	2.7	826.5	50.0	11.7	T1	<ST1>	T1
300.000	0.00	0.00	0.00	31.89	0.0	0.0	0.0	43.6	2.7	826.5	50.0	43.6	T1	<ST1>	T1
320.000	0.00	0.00	34.64	49.48	0.0	0.0	34.6	93.1	2.7	826.5	84.6	93.1	T1	<ST1>	T1
340.000	0.00	0.00	34.64	69.41	0.0	0.0	69.3	162.5	2.7	826.5	119.2	162.5	T1	<ST1>	T1
350.000	0.00	0.00	24.16	40.80	0.0	0.0	93.4	203.3	2.7	826.5	143.4	203.3	T1	<ST1>	T1
350.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.7	826.5	143.4	203.3	T1	<ST1>	T1
360.000	0.00	0.00	24.16	42.42	0.0	0.0	24.2	42.4	2.7	826.5	167.5	245.7	T1	<ST1>	T1
375.944	0.00	0.00	0.00	102.85	0.0	0.0	0.0	145.3	2.7	826.5	167.5	348.6	T1	<ST1>	T1
380.000	0.00	0.00	30.90	42.37	0.0	0.0	30.9	187.6	2.7	826.5	198.4	391.0	T1	<ST1>	T1
385.000	0.00	0.00	78.88	70.58	0.0	0.0	109.8	258.2	2.7	826.5	277.3	461.5	T1	<ST1>	T1
400.000	0.00	0.00	212.43	211.40	0.0	0.0	322.2	469.6	2.7	826.5	489.8	672.9	T1	<ST1>	T1
400.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.7	826.5	489.8	672.9	T1	<ST1>	T1
406.331	0.00	0.00	38.02	76.49	0.0	0.0	38.0	76.5	2.7	826.5	527.8	749.4	T1	<ST1>	T1
420.000	0.00	0.00	65.87	158.39	0.0	0.0	103.9	234.9	2.7	826.5	593.6	907.8	T1	<ST1>	T1
440.000	0.00	0.00	193.70	210.52	0.0	0.0	297.6	445.4	2.7	826.5	787.3	1118.3	T1	<ST1>	T1
443.800	0.00	0.00	37.20	37.53	0.0	0.0	334.8	482.9	2.7	826.5	824.5	1155.9	T1	<ST1>	T1
460.000	0.00	0.00	79.76	165.95	0.0	0.0	414.6	648.9	2.7	826.5	904.3	1321.8	T1	<ST1>	T1
479.496	0.00	0.00	87.61	208.40	0.0	0.0	502.2	857.3	2.7	826.5	991.9	1530.2	T1	<ST1>	T1

480.000	0.00	0.00	4.52	5.46	0.0	0.0	506.7	862.7	2.7	826.5	996.4	1535.7	T1	<ST1>	T1
480.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.7	826.5	996.4	1535.7	T1	<ST1>	T1
488.535	0.00	0.00	38.17	92.89	0.0	0.0	38.2	92.9	2.7	826.5	1034.6	1628.6	T1	<ST1>	T1
500.000	0.00	0.00	0.00	127.94	0.0	0.0	0.0	220.8	2.7	826.5	1034.6	1756.5	T1	<ST1>	T1
520.000	0.00	0.00	0.00	205.09	0.0	0.0	0.0	425.9	2.7	826.5	1034.6	1961.6	T1	<ST1>	T1



Istram 22.08.08.11 05/12/22 13:24:52 200207

PROYECTO :
GRUPO : 5 : CALZADAS LATERALES. EJES COMPLEMENTARIOS
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 3 : V30 - CALZADA IZQUIERDA (CPOL3_a1.vol)

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* * * S U P E R F I C I E S D E S I E M B R A * * *

* * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA						
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN				
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr			
520.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.7	826.5	1034.6	1961.6	T1	<ST1>	T1
525.496	0.00	0.00	20.35	48.37	0.0	0.0	20.3	48.4	2.7	826.5	1055.0	2010.0	T1	<ST1>	T1
527.496	0.00	0.00	7.40	16.70	0.0	0.0	27.8	65.1	2.7	826.5	1062.4	2026.7	T1	<ST1>	T1
540.000	0.00	0.00	45.58	103.66	0.0	0.0	73.3	168.7	2.7	826.5	1107.9	2130.3	T1	<ST1>	T1
560.000	0.00	0.00	145.07	170.76	0.0	0.0	218.4	339.5	2.7	826.5	1253.0	2301.1	T1	<ST1>	T1
571.496	0.00	0.00	82.20	100.37	0.0	0.0	300.6	439.9	2.7	826.5	1335.2	2401.5	T1	<ST1>	T1
580.000	0.00	0.00	59.41	75.93	0.0	0.0	360.0	515.8	2.7	826.5	1394.6	2477.4	T1	<ST1>	T1
581.144	0.00	0.00	7.87	10.44	0.0	0.0	367.9	526.2	2.7	826.5	1402.5	2487.8	T1	<ST1>	T1
600.000	0.00	0.00	127.94	183.88	0.0	0.0	495.8	710.1	2.7	826.5	1530.4	2671.7	T1	<ST1>	T1
620.000	0.00	0.00	150.61	216.36	0.0	0.0	646.4	926.5	2.7	826.5	1681.1	2888.1	T1	<ST1>	T1
630.000	0.00	0.00	41.82	56.38	0.0	0.0	688.3	982.8	2.7	826.5	1722.9	2944.4	Estructura D2	<ST2>	D2 Estructura
638.185	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.7	826.5	1722.9	2944.4	Estructura D2	<ST2>	D2 Estructura
640.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.7	826.5	1722.9	2944.4	Estructura D2	<ST2>	D2 Estructura
649.635	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.7	826.5	1722.9	2944.4	Estructura D2	<ST2>	D2 Estructura
660.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.7	826.5	1722.9	2944.4	Estructura D2	<ST2>	D2 Estructura
670.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.7	826.5	1722.9	2944.4	Estructura D2	<ST2>	D2 Estructura
680.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.7	826.5	1722.9	2944.4	Estructura D2	<ST2>	D2 Estructura
700.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.7	826.5	1722.9	2944.4	Estructura D2	<ST2>	D2 Estructura
710.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.7	826.5	1722.9	2944.4	Estructura D2	<ST2>	D2 Estructura
720.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.7	826.5	1722.9	2944.4	Estructura D2	<ST2>	D2 Estructura
722.998	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.7	826.5	1722.9	2944.4	Estructura D2	<ST2>	D2 Estructura
735.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.7	826.5	1722.9	2944.4	Estructura D2	<ST2>	D2 Estructura
740.000	0.00	0.00	11.90	14.60	0.0	0.0	11.9	14.6	2.7	826.5	1734.8	2959.0	T3	<ST3>	T3
740.729	0.00	0.00	3.43	4.28	0.0	0.0	15.3	18.9	2.7	826.5	1738.2	2963.3	T3	<ST3>	T3
760.000	0.00	0.00	67.25	137.29	0.0	0.0	82.6	156.2	2.7	826.5	1805.5	3100.6	T3	<ST3>	T3
760.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.7	826.5	1805.5	3100.6	T3	<ST3>	T3
780.000	0.00	0.00	26.52	149.14	0.0	0.0	26.5	149.1	2.7	826.5	1832.0	3249.8	T3	<ST3>	T3
780.040	0.00	0.00	0.01	0.26	0.0	0.0	26.5	149.4	2.7	826.5	1832.0	3250.0	T3	<ST3>	T3
782.529	0.00	0.00	0.41	16.12	0.0	0.0	26.9	165.5	2.7	826.5	1832.4	3266.1	T3	<ST3>	T3
791.433	0.00	0.00	0.00	52.18	0.0	0.0	0.0	217.7	2.7	826.5	1832.4	3318.3	T3	<ST3>	T3
800.000	0.00	0.00	0.00	41.03	0.0	0.0	0.0	258.7	2.7	826.5	1832.4	3359.3	T3	<ST3>	T3
820.000	0.00	0.00	0.00	72.12	0.0	0.0	0.0	330.8	2.7	826.5	1832.4	3431.5	T3	<ST3>	T3

823.520	0.00	0.00	0.00	10.46	0.0	0.0	0.0	341.3	2.7	826.5	1832.4	3441.9	T3	<ST3>	T3
825.134	0.00	0.00	0.00	4.83	0.0	0.0	0.0	346.1	2.7	826.5	1832.4	3446.7	T3	<ST3>	T3
826.779	0.00	0.00	0.00	4.84	0.0	0.0	0.0	351.0	2.7	826.5	1832.4	3451.6	T3	<ST3>	T3
827.571	0.00	0.00	0.00	2.29	0.0	0.0	0.0	353.3	2.7	826.5	1832.4	3453.9	T3	<ST3>	T3
828.460	0.00	0.00	0.00	2.57	0.0	0.0	0.0	355.8	2.7	826.5	1832.4	3456.5	T3	<ST3>	T3
830.000	0.00	0.00	0.00	4.46	0.0	0.0	0.0	360.3	2.7	826.5	1832.4	3460.9	T3	<ST3>	T3
840.000	0.00	0.00	0.00	28.69	0.0	0.0	0.0	389.0	2.7	826.5	1832.4	3489.6	T3	<ST3>	T3
840.187	0.00	0.00	0.00	0.53	0.0	0.0	0.0	389.5	2.7	826.5	1832.4	3490.1	T3	<ST3>	T3
841.812	0.00	0.00	0.00	4.59	0.0	0.0	0.0	394.1	2.7	826.5	1832.4	3494.7	T3	<ST3>	T3
842.136	0.00	0.00	0.00	0.91	0.0	0.0	0.0	395.0	2.7	826.5	1832.4	3495.6	T3	<ST3>	T3



Istram 22.08.08.11 05/12/22 13:24:52 200207

PROYECTO :

GRUPO : 5 : CALZADAS LATERALES. EJES COMPLEMENTARIOS

C. R. S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 3 : V30 - CALZADA IZQUIERDA (CPOL3_a1.vol)

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SUPERFICIES DE SIEMBRA

* * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA						
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN				
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr			
843.484	0.00	0.00	0.00	3.84	0.0	0.0	0.0	398.9	2.7	826.5	1832.4	3499.5	T3	<ST3>	T3
845.208	0.00	0.00	0.00	4.92	0.0	0.0	0.0	403.8	2.7	826.5	1832.4	3504.4	T3	<ST3>	T3
846.991	0.00	0.00	0.00	5.03	0.0	0.0	0.0	408.8	2.7	826.5	1832.4	3509.4	T3	<ST3>	T3
848.838	0.00	0.00	0.00	5.27	0.0	0.0	0.0	414.1	2.7	826.5	1832.4	3514.7	T3	<ST3>	T3
850.757	0.00	0.00	0.00	5.46	0.0	0.0	0.0	419.5	2.7	826.5	1832.4	3520.2	T3	<ST3>	T3
852.760	0.00	0.00	0.00	5.72	0.0	0.0	0.0	425.3	2.7	826.5	1832.4	3525.9	T3	<ST3>	T3
854.859	0.00	0.00	0.00	5.12	0.0	0.0	0.0	430.4	2.7	826.5	1832.4	3531.0	T3	<ST3>	T3
857.069	0.00	0.86	0.00	2.19	0.0	0.9	0.0	432.6	2.7	827.4	1832.4	3533.2	T3	<ST3>	C3 D3
857.584	0.00	0.48	0.00	0.00	0.0	1.3	0.0	0.0	2.7	827.9	1832.4	3533.2	D3	C3	<ST3> C3 D3
859.412	0.00	2.93	0.00	0.00	0.0	4.3	0.0	0.0	2.7	830.8	1832.4	3533.2	D3	C3	<ST3> C3 D3
860.000	0.00	1.36	0.00	0.00	0.0	5.6	0.0	0.0	2.7	832.1	1832.4	3533.2	D3	C3	<ST3> C3 D3
860.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.7	832.1	1832.4	3533.2	D3	C3	<ST3> C3 D3
860.641	0.00	1.90	0.00	0.00	0.0	1.9	0.0	0.0	2.7	834.0	1832.4	3533.2	D3	C3	<ST3> C3 D3
861.915	0.00	4.47	0.00	0.00	0.0	6.4	0.0	0.0	2.7	838.5	1832.4	3533.2	D3	C3	<ST3> C3 D3
863.235	0.00	5.60	0.00	0.00	0.0	12.0	0.0	0.0	2.7	844.1	1832.4	3533.2	D3	C3	<ST3> C3 D3
864.607	0.00	6.33	0.00	0.00	0.0	18.3	0.0	0.0	2.7	850.4	1832.4	3533.2	D3	C3	<ST3> C3 D3
866.037	0.00	6.87	0.00	0.00	0.0	25.2	0.0	0.0	2.7	857.3	1832.4	3533.2	D3	C3	<ST3> C3 D3
867.531	0.00	7.45	0.00	0.00	0.0	32.6	0.0	0.0	2.7	864.8	1832.4	3533.2	D3	C3	<ST3> C3 D3
869.098	0.00	7.83	0.00	0.00	0.0	40.4	0.0	0.0	2.7	872.6	1832.4	3533.2	D3	C3	<ST3> C3 D3
869.747	0.00	3.27	0.00	0.00	0.0	43.7	0.0	0.0	2.7	875.9	1832.4	3533.2	D3	C3	<ST3> C3 D3
871.165	0.00	7.21	0.00	0.00	0.0	50.9	0.0	0.0	2.7	883.1	1832.4	3533.2	D3	C3	<ST3> C3 D3
872.653	0.00	7.66	0.00	0.00	0.0	58.6	0.0	0.0	2.7	890.7	1832.4	3533.2	D3	C3	<ST3> C3 D3
874.220	0.00	8.16	0.00	0.00	0.0	66.7	0.0	0.0	2.7	898.9	1832.4	3533.2	D3	C3	<ST3> C3 D3
875.881	0.00	8.70	0.00	0.00	0.0	75.4	0.0	0.0	2.7	907.6	1832.4	3533.2	D3	C3	<ST3> C3 D3
877.649	0.00	9.11	0.00	0.00	0.0	84.5	0.0	0.0	2.7	916.7	1832.4	3533.2	D3	C3	<ST3> C3 D3
879.546	0.00	9.18	0.00	0.00	0.0	93.7	0.0	0.0	2.7	925.9	1832.4	3533.2	D3	C3	<ST3> C3 D3
880.000	0.00	2.05	0.00	0.00	0.0	95.8	0.0	0.0	2.7	927.9	1832.4	3533.2	D3	C3	<ST3> C3 D3

880.550	0.00	2.35	0.00	0.00	0.0	98.1	0.0	0.0	2.7	930.3	1832.4	3533.2	D3	C3	<ST3>	C3	D3
881.598	0.00	4.04	0.00	0.00	0.0	102.2	0.0	0.0	2.7	934.3	1832.4	3533.2	D3	C3	<ST3>	C3	D3
882.693	0.00	3.65	0.00	0.00	0.0	105.8	0.0	0.0	2.7	938.0	1832.4	3533.2	D3	C3	<ST3>	C3	D3
883.840	0.00	3.41	0.00	0.00	0.0	109.2	0.0	0.0	2.7	941.4	1832.4	3533.2	D3	C3	<ST3>	C3	D3
885.049	0.00	3.19	0.00	0.00	0.0	112.4	0.0	0.0	2.7	944.6	1832.4	3533.2	D3	C3	<ST3>	C3	D3
886.325	0.00	2.82	0.00	0.00	0.0	115.2	0.0	0.0	2.7	947.4	1832.4	3533.2	D3	C3	<ST3>	C3	D3
887.686	0.00	2.39	0.00	0.00	0.0	117.6	0.0	0.0	2.7	949.8	1832.4	3533.2	D3	C3	<ST3>	C3	D3
889.137	0.00	1.79	0.00	0.00	0.0	119.4	0.0	0.0	2.7	951.6	1832.4	3533.2	D3	C3	<ST3>	C3	D3
890.700	0.00	1.09	0.00	0.00	0.0	120.5	0.0	0.0	2.7	952.7	1832.4	3533.2	D3	C3	<ST3>	C3	D3
892.398	0.00	0.35	0.00	0.00	0.0	120.9	0.0	0.0	2.7	953.0	1832.4	3533.2	T3	<ST3>	T3		
894.266	0.00	0.00	0.00	0.37	0.0	0.0	0.0	0.4	2.7	953.0	1832.4	3533.6	T3	<ST3>	T3		
895.000	0.00	0.00	0.00	0.37	0.0	0.0	0.0	0.7	2.7	953.0	1832.4	3533.9	T3	<ST3>	T3		
900.000	0.00	0.00	0.00	9.20	0.0	0.0	0.0	9.9	2.7	953.0	1832.4	3543.1	T3	<ST3>	T3		
900.074	0.00	0.00	0.00	0.23	0.0	0.0	0.0	10.2	2.7	953.0	1832.4	3543.4	T3	<ST3>	T3		
901.558	0.00	0.00	0.00	5.10	0.0	0.0	0.0	15.3	2.7	953.0	1832.4	3548.5	T3	<ST3>	T3		

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PROYECTO :
GRUPO : 5 : CALZADAS LATERALES. EJES COMPLEMENTARIOS
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 3 : V30 - CALZADA IZQUIERDA (CPOL3_a1.vol)

* * * S U P E R F I C I E S D E S I E M B R A * * *
* * * * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA								
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN						
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr					
903.206	0.00	0.00	0.00	6.53	0.0	0.0	0.0	21.8	2.7	953.0	1832.4	3555.0	T3	<ST3>	T3		
905.086	0.00	0.00	0.00	8.91	0.0	0.0	0.0	30.7	2.7	953.0	1832.4	3563.9	T3	<ST3>	T3		
905.116	0.00	0.00	0.00	0.16	0.0	0.0	0.0	30.9	2.7	953.0	1832.4	3564.0	T3	<ST3>	T3		
907.300	0.00	0.00	0.00	12.61	0.0	0.0	0.0	43.5	2.7	953.0	1832.4	3576.7	T3	<ST3>	T3		
908.585	0.00	0.00	0.00	8.41	0.0	0.0	0.0	51.9	2.7	953.0	1832.4	3585.1	T3	<ST3>	T3		
910.068	0.00	0.00	0.00	10.47	0.0	0.0	0.0	62.3	2.7	953.0	1832.4	3595.5	T3	<ST3>	T3		
911.795	0.00	0.00	0.00	12.56	0.0	0.0	0.0	74.9	2.7	953.0	1832.4	3608.1	T3	<ST3>	T3		
913.928	0.00	0.00	0.00	15.07	0.0	0.0	0.0	90.0	2.7	953.0	1832.4	3623.2	T3	<ST3>	T3		
915.230	0.00	0.00	0.00	8.85	0.0	0.0	0.0	98.8	2.7	953.0	1832.4	3632.0	T3	<ST3>	T3		
916.873	0.00	0.00	0.00	10.85	0.0	0.0	0.0	109.7	2.7	953.0	1832.4	3642.9	T3	<ST3>	T3		
919.008	0.00	0.00	0.00	13.57	0.0	0.0	0.0	123.2	2.7	953.0	1832.4	3656.4	T3	<ST3>	T3		
920.000	0.00	0.00	0.00	6.11	0.0	0.0	0.0	129.3	2.7	953.0	1832.4	3662.5	T3	<ST3>	T3		
920.527	0.00	0.00	0.00	3.20	0.0	0.0	0.0	132.6	2.7	953.0	1832.4	3665.7	T3	<ST3>	T3		
922.759	0.00	0.00	0.00	13.32	0.0	0.0	0.0	145.9	2.7	953.0	1832.4	3679.1	T3	<ST3>	T3		
924.735	0.00	0.00	0.00	11.52	0.0	0.0	0.0	157.4	2.7	953.0	1832.4	3690.6	T3	<ST3>	T3		
926.792	0.00	0.00	0.00	11.85	0.0	0.0	0.0	169.2	2.7	953.0	1832.4	3702.4	T3	<ST3>	T3		
928.588	0.00	0.00	0.00	10.33	0.0	0.0	0.0	179.6	2.7	953.0	1832.4	3712.8	T3	<ST3>	T3		
930.042	0.00	0.00	0.00	8.39	0.0	0.0	0.0	188.0	2.7	953.0	1832.4	3721.1	T3	<ST3>	T3		

 * * * SUPERFICIES DE SIEMBRA * * *
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P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA				
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	
0.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
0.778	0.00	0.00	0.00	2.65	0.0	0.0	0.0	2.7	0.0	0.0	0.0	2.7	T1 <ST1> T1
1.173	0.00	0.00	0.00	1.38	0.0	0.0	0.0	4.0	0.0	0.0	0.0	4.0	T1 <ST1> T1
2.345	0.00	0.00	0.00	4.23	0.0	0.0	0.0	8.3	0.0	0.0	0.0	8.3	T1 <ST1> T1
4.193	0.00	0.00	0.00	7.09	0.0	0.0	0.0	15.3	0.0	0.0	0.0	15.3	T1 <ST1> T1
5.900	0.00	0.00	0.00	7.21	0.0	0.0	0.0	22.6	0.0	0.0	0.0	22.6	T1 <ST1> T1
7.821	0.00	0.00	0.00	9.61	0.0	0.0	0.0	32.2	0.0	0.0	0.0	32.2	T1 <ST1> T1
9.952	0.00	0.00	0.00	13.46	0.0	0.0	0.0	45.6	0.0	0.0	0.0	45.6	T1 <ST1> T1
11.499	0.00	0.00	0.00	11.80	0.0	0.0	0.0	57.4	0.0	0.0	0.0	57.4	T1 <ST1> T1
13.682	0.00	0.00	0.00	19.12	0.0	0.0	0.0	76.6	0.0	0.0	0.0	76.6	T1 <ST1> T1
15.374	0.00	0.00	0.00	16.94	0.0	0.0	0.0	93.5	0.0	0.0	0.0	93.5	T1 <ST1> T1
16.713	0.00	0.00	0.00	14.93	0.0	0.0	0.0	108.4	0.0	0.0	0.0	108.4	T1 <ST1> T1
18.911	0.00	0.00	0.00	26.13	0.0	0.0	0.0	134.6	0.0	0.0	0.0	134.6	T1 <ST1> T1
20.000	0.00	0.00	0.00	13.36	0.0	0.0	0.0	147.9	0.0	0.0	0.0	147.9	T1 <ST1> T1
25.000	0.00	0.00	0.00	61.38	0.0	0.0	0.0	209.3	0.0	0.0	0.0	209.3	T1 <ST1> T1
25.848	0.00	0.00	0.00	10.18	0.0	0.0	0.0	219.5	0.0	0.0	0.0	219.5	T1 <ST1> T1
27.794	0.00	0.00	0.00	22.40	0.0	0.0	0.0	241.9	0.0	0.0	0.0	241.9	T1 <ST1> T1
29.500	0.00	0.00	0.00	18.48	0.0	0.0	0.0	260.4	0.0	0.0	0.0	260.4	T1 <ST1> T1
31.029	0.00	0.00	0.00	15.62	0.0	0.0	0.0	276.0	0.0	0.0	0.0	276.0	T1 <ST1> T1
32.426	0.00	0.00	0.00	13.57	0.0	0.0	0.0	289.6	0.0	0.0	0.0	289.6	T1 <ST1> T1
33.704	0.00	0.00	0.00	11.81	0.0	0.0	0.0	301.4	0.0	0.0	0.0	301.4	T1 <ST1> T1
36.007	0.00	0.00	0.00	19.49	0.0	0.0	0.0	320.9	0.0	0.0	0.0	320.9	T1 <ST1> T1
36.028	0.00	0.00	0.00	0.17	0.0	0.0	0.0	321.0	0.0	0.0	0.0	321.0	T1 <ST1> T1
38.051	0.00	0.00	0.00	15.16	0.0	0.0	0.0	336.2	0.0	0.0	0.0	336.2	T1 <ST1> T1
39.906	0.00	0.00	0.00	12.40	0.0	0.0	0.0	348.6	0.0	0.0	0.0	348.6	T1 <ST1> T1
40.000	0.00	0.00	0.00	0.59	0.0	0.0	0.0	349.2	0.0	0.0	0.0	349.2	T1 <ST1> T1
41.615	0.00	0.00	0.00	9.78	0.0	0.0	0.0	359.0	0.0	0.0	0.0	359.0	T1 <ST1> T1
43.208	0.00	0.00	0.00	8.95	0.0	0.0	0.0	367.9	0.0	0.0	0.0	367.9	T1 <ST1> T1
44.707	0.00	0.00	0.00	7.84	0.0	0.0	0.0	375.8	0.0	0.0	0.0	375.8	T1 <ST1> T1
46.129	0.00	0.00	0.00	7.17	0.0	0.0	0.0	382.9	0.0	0.0	0.0	382.9	T1 <ST1> T1
47.478	0.00	0.00	0.00	6.84	0.0	0.0	0.0	389.8	0.0	0.0	0.0	389.8	T1 <ST1> T1
48.768	0.00	0.00	0.00	6.59	0.0	0.0	0.0	396.4	0.0	0.0	0.0	396.4	T1 <ST1> T1
50.007	0.00	0.00	0.00	6.33	0.0	0.0	0.0	402.7	0.0	0.0	0.0	402.7	T1 <ST1> T1
50.778	0.00	0.00	0.00	3.94	0.0	0.0	0.0	406.6	0.0	0.0	0.0	406.6	T1 <ST1> T1
51.199	0.00	0.00	0.00	2.15	0.0	0.0	0.0	408.8	0.0	0.0	0.0	408.8	T1 <ST1> T1
52.350	0.00	0.00	0.00	5.87	0.0	0.0	0.0	414.7	0.0	0.0	0.0	414.7	T1 <ST1> T1
53.464	0.00	0.00	0.00	5.66	0.0	0.0	0.0	420.3	0.0	0.0	0.0	420.3	T1 <ST1> T1

54.544	0.00	0.00	0.00	5.45	0.0	0.0	0.0	425.8	0.0	0.0	0.0	425.8	T1	<ST1>	T1
55.593	0.00	0.00	0.00	5.24	0.0	0.0	0.0	431.0	0.0	0.0	0.0	431.0	T1	<ST1>	T1
56.613	0.00	0.00	0.00	5.04	0.0	0.0	0.0	436.0	0.0	0.0	0.0	436.0	T1	<ST1>	T1
58.577	0.00	0.00	0.00	9.55	0.0	0.0	0.0	445.6	0.0	0.0	0.0	445.6	T1	<ST1>	T1
60.000	0.00	0.00	0.00	6.78	0.0	0.0	0.0	452.4	0.0	0.0	0.0	452.4	T1	<ST1>	T1

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Istram 22.08.08.11 05/12/22 13:24:52 200207

pagi na 1

PROYECTO :
GRUPO : 1 : CALZADAS LATERALES
C.R. S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 4 : CALZADA LATERAL IZQUIERDA (CPOL4_a1.vol)

* * * S U P E R F I C I E S D E S I E M B R A * * *

* * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA						
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN				
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr			
60.450	0.00	0.00	0.00	2.12	0.0	0.0	0.0	454.5	0.0	0.0	0.0	454.5	T1	<ST1>	T1
62.244	0.00	0.00	0.00	8.29	0.0	0.0	0.0	462.8	0.0	0.0	0.0	462.8	T1	<ST1>	T1
63.967	0.00	0.00	0.00	7.75	0.0	0.0	0.0	470.5	0.0	0.0	0.0	470.5	T1	<ST1>	T1
65.629	0.00	0.00	0.00	7.35	0.0	0.0	0.0	477.9	0.0	0.0	0.0	477.9	T1	<ST1>	T1
67.234	0.00	0.00	0.00	7.23	0.0	0.0	0.0	485.1	0.0	0.0	0.0	485.1	T1	<ST1>	T1
67.585	0.00	0.00	0.00	1.62	0.0	0.0	0.0	486.7	0.0	0.0	0.0	486.7	T1	<ST1>	T1
67.664	0.00	0.00	0.00	0.37	0.0	0.0	0.0	487.1	0.0	0.0	0.0	487.1	T1	<ST1>	T1
68.821	0.00	0.00	0.00	5.45	0.0	0.0	0.0	492.6	0.0	0.0	0.0	492.6	T1	<ST1>	T1
70.029	0.00	0.00	0.00	5.80	0.0	0.0	0.0	498.4	0.0	0.0	0.0	498.4	T1	<ST1>	T1
72.370	0.00	0.00	0.00	11.31	0.0	0.0	0.0	509.7	0.0	0.0	0.0	509.7	T1	<ST1>	T1
74.626	0.00	0.00	0.00	10.85	0.0	0.0	0.0	520.5	0.0	0.0	0.0	520.5	T1	<ST1>	T1
76.811	0.00	0.00	0.00	10.39	0.0	0.0	0.0	530.9	0.0	0.0	0.0	530.9	T1	<ST1>	T1
78.936	0.00	0.00	0.00	10.00	0.0	0.0	0.0	540.9	0.0	0.0	0.0	540.9	T1	<ST1>	T1
80.000	0.00	0.00	0.00	5.00	0.0	0.0	0.0	545.9	0.0	0.0	0.0	545.9	T1	<ST1>	T1
81.010	0.00	0.00	0.00	4.75	0.0	0.0	0.0	550.7	0.0	0.0	0.0	550.7	T1	<ST1>	T1
83.040	0.00	0.00	0.00	9.59	0.0	0.0	0.0	560.2	0.0	0.0	0.0	560.2	T1	<ST1>	T1
85.032	0.00	0.00	0.00	9.45	0.0	0.0	0.0	569.7	0.0	0.0	0.0	569.7	T1	<ST1>	T1
86.992	0.00	0.00	0.00	9.31	0.0	0.0	0.0	579.0	0.0	0.0	0.0	579.0	T1	<ST1>	T1
88.925	0.00	0.00	0.00	9.16	0.0	0.0	0.0	588.2	0.0	0.0	0.0	588.2	T1	<ST1>	T1
90.834	0.00	0.00	0.00	8.98	0.0	0.0	0.0	597.1	0.0	0.0	0.0	597.1	T1	<ST1>	T1
92.723	0.00	0.00	0.00	8.82	0.0	0.0	0.0	606.0	0.0	0.0	0.0	606.0	T1	<ST1>	T1
94.598	0.00	0.00	0.00	8.72	0.0	0.0	0.0	614.7	0.0	0.0	0.0	614.7	T1	<ST1>	T1
96.458	0.00	0.00	0.00	8.65	0.0	0.0	0.0	623.3	0.0	0.0	0.0	623.3	T1	<ST1>	T1
98.307	0.00	0.00	0.00	8.65	0.0	0.0	0.0	632.0	0.0	0.0	0.0	632.0	T1	<ST1>	T1
100.000	0.00	0.00	0.00	7.98	0.0	0.0	0.0	640.0	0.0	0.0	0.0	640.0	T1	<ST1>	T1
100.149	0.00	0.00	0.00	0.71	0.0	0.0	0.0	640.7	0.0	0.0	0.0	640.7	T1	<ST1>	T1
100.778	0.00	0.00	0.00	2.98	0.0	0.0	0.0	643.7	0.0	0.0	0.0	643.7	T1	<ST1>	T1
101.987	0.00	0.00	0.00	5.76	0.0	0.0	0.0	649.4	0.0	0.0	0.0	649.4	T1	<ST1>	T1
103.821	0.00	0.00	0.00	8.79	0.0	0.0	0.0	658.2	0.0	0.0	0.0	658.2	T1	<ST1>	T1
105.656	0.00	0.00	0.00	8.78	0.0	0.0	0.0	667.0	0.0	0.0	0.0	667.0	T1	<ST1>	T1
107.493	0.00	0.00	0.00	8.66	0.0	0.0	0.0	675.6	0.0	0.0	0.0	675.6	T1	<ST1>	T1
109.334	0.00	0.00	0.00	8.49	0.0	0.0	0.0	684.1	0.0	0.0	0.0	684.1	T1	<ST1>	T1

110.000	0.00	0.00	0.00	3.03	0.0	0.0	0.0	687.2	0.0	0.0	0.0	687.2	T1	<ST1>	T1
110.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	687.2	T1	<ST1>	T1
111.180	0.00	0.00	0.00	5.29	0.0	0.0	0.0	5.3	0.0	0.0	0.0	692.5	T1	<ST1>	T1
113.034	0.00	0.00	0.00	7.73	0.0	0.0	0.0	13.0	0.0	0.0	0.0	700.2	T1	<ST1>	T1
114.896	0.00	0.00	0.00	7.12	0.0	0.0	0.0	20.2	0.0	0.0	0.0	707.3	T1	<ST1>	T1
116.770	0.00	0.00	0.00	6.82	0.0	0.0	0.0	27.0	0.0	0.0	0.0	714.1	T1	<ST1>	T1
118.659	0.00	0.00	0.00	6.47	0.0	0.0	0.0	33.4	0.0	0.0	0.0	720.6	T1	<ST1>	T1
119.047	0.00	0.00	0.00	1.28	0.0	0.0	0.0	34.7	0.0	0.0	0.0	721.9	T1	<ST1>	T1
120.000	0.00	0.00	0.00	3.10	0.0	0.0	0.0	37.8	0.0	0.0	0.0	725.0	T1	<ST1>	T1
120.562	0.00	0.00	0.00	1.79	0.0	0.0	0.0	39.6	0.0	0.0	0.0	726.8	T1	<ST1>	T1



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pagi na 2

PROYECTO :
GRUPO : 1 : CALZADAS LATERALES
C. R. S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 4 : CALZADA LATERAL IZQUIERDA (CPOL4_a1.vol)

* * * S U P E R F I C I E S D E S I E M B R A * * *

* * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA						
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN				
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr			
122.483	0.00	0.00	0.00	5.60	0.0	0.0	0.0	45.2	0.0	0.0	0.0	732.4	T1	<ST1>	T1
124.424	0.00	0.00	0.00	4.81	0.0	0.0	0.0	50.0	0.0	0.0	0.0	737.2	T1	<ST1>	T1
126.389	0.00	0.00	0.00	4.30	0.0	0.0	0.0	54.3	0.0	0.0	0.0	741.5	T1	<ST1>	T1
126.926	0.00	0.00	0.00	1.13	0.0	0.0	0.0	55.4	0.0	0.0	0.0	742.6	T1	<ST1>	T1
128.380	0.00	0.00	0.00	3.01	0.0	0.0	0.0	58.5	0.0	0.0	0.0	745.6	T1	<ST1>	T1
130.117	0.00	0.00	0.00	4.22	0.0	0.0	0.0	62.7	0.0	0.0	0.0	749.8	T1	<ST1>	T1
131.874	0.00	0.00	0.00	5.79	0.0	0.0	0.0	68.5	0.0	0.0	0.0	755.6	T1	<ST1>	T1
133.651	0.00	0.00	0.00	7.57	0.0	0.0	0.0	76.0	0.0	0.0	0.0	763.2	T1	<ST1>	T1
135.449	0.00	0.00	0.00	8.93	0.0	0.0	0.0	85.0	0.0	0.0	0.0	772.1	T1	<ST1>	T1
137.266	0.00	0.00	0.00	9.20	0.0	0.0	0.0	94.2	0.0	0.0	0.0	781.3	T1	<ST1>	T1
139.103	0.00	0.00	0.00	8.53	0.0	0.0	0.0	102.7	0.0	0.0	0.0	789.9	T1	<ST1>	T1
140.000	0.00	0.00	0.00	3.91	0.0	0.0	0.0	106.6	0.0	0.0	0.0	793.8	T1	<ST1>	T1
140.959	0.00	0.00	0.00	4.14	0.0	0.0	0.0	110.7	0.0	0.0	0.0	797.9	T1	<ST1>	T1
142.834	0.00	0.00	0.00	7.96	0.0	0.0	0.0	118.7	0.0	0.0	0.0	805.9	T1	<ST1>	T1
144.727	0.00	0.00	0.00	7.85	0.0	0.0	0.0	126.6	0.0	0.0	0.0	813.7	T1	<ST1>	T1
146.638	0.00	0.00	0.00	7.65	0.0	0.0	0.0	134.2	0.0	0.0	0.0	821.4	T1	<ST1>	T1
148.567	0.00	0.00	0.00	7.41	0.0	0.0	0.0	141.6	0.0	0.0	0.0	828.8	T1	<ST1>	T1
150.512	0.00	0.00	0.00	5.76	0.0	0.0	0.0	147.4	0.0	0.0	0.0	834.5	T1	<ST1>	T1
160.000	0.00	0.00	0.00	17.85	0.0	0.0	0.0	165.2	0.0	0.0	0.0	852.4	T1	<ST1>	T1
180.000	0.00	0.00	0.00	28.31	0.0	0.0	0.0	193.5	0.0	0.0	0.0	880.7	T1	<ST1>	T1
200.000	0.00	0.00	4.93	23.06	0.0	0.0	4.9	216.6	0.0	0.0	4.9	903.8	T1	<ST1>	T1
200.614	0.00	0.00	0.30	0.66	0.0	0.0	5.2	217.3	0.0	0.0	5.2	904.4	T1	<ST1>	T1
220.000	0.00	0.00	4.64	17.00	0.0	0.0	9.9	234.3	0.0	0.0	9.9	921.4	T1	<ST1>	T1
240.000	0.00	0.00	0.00	13.55	0.0	0.0	0.0	247.8	0.0	0.0	9.9	935.0	D1	C1	<ST1> T1
260.000	0.00	0.00	7.18	28.44	0.0	0.0	7.2	276.3	0.0	0.0	17.1	963.4	T1	<ST1>	T1
280.000	0.00	0.00	13.90	49.72	0.0	0.0	21.1	326.0	0.0	0.0	31.0	1013.1	T3	<ST3>	T3
282.180	0.00	0.00	1.28	6.11	0.0	0.0	22.4	332.1	0.0	0.0	32.2	1019.2	T3	<ST3>	T3

288.088	0.00	0.00	2.26	16.88	0.0	0.0	24.6	349.0	0.0	0.0	34.5	1036.1	T3	<ST3>	T3
300.000	0.00	0.00	1.56	42.56	0.0	0.0	26.2	391.5	0.0	0.0	36.1	1078.7	T3	<ST3>	T3
320.000	5.55	0.00	0.00	89.40	5.5	0.0	0.0	480.9	5.5	0.0	36.1	1168.1	D3	C3	<ST3> T3
338.014	5.00	0.00	0.00	55.86	10.5	0.0	0.0	536.8	10.5	0.0	36.1	1224.0	T3	<ST3>	T3
340.000	0.00	0.00	0.00	2.90	0.0	0.0	0.0	539.7	10.5	0.0	36.1	1226.8	T3	<ST3>	T3
360.000	0.00	0.00	0.00	20.20	0.0	0.0	0.0	559.9	10.5	0.0	36.1	1247.0	T3	<ST3>	T3
360.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	10.5	0.0	36.1	1247.0	T3	<ST3>	T3
380.000	0.00	15.00	0.00	6.04	0.0	15.0	0.0	6.0	10.5	15.0	36.1	1253.1	D3	C3	<ST3> C3 D3
380.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	10.5	15.0	36.1	1253.1	D3	C3	<ST3> C3 D3
400.000	0.00	34.09	0.00	0.00	0.0	34.1	0.0	0.0	10.5	49.1	36.1	1253.1	D3	C3	<ST3> C3 D3
420.000	0.00	4.63	0.00	0.00	0.0	38.7	0.0	0.0	10.5	53.7	36.1	1253.1	D3	C3	<ST3> C3 D3
436.014	0.00	4.28	0.00	0.00	0.0	43.0	0.0	0.0	10.5	58.0	36.1	1253.1	D3	C3	<ST3> C3 D3
440.000	0.00	1.64	0.00	0.00	0.0	44.6	0.0	0.0	10.5	59.6	36.1	1253.1	D3	C3	<ST3> C3 D3
460.000	0.00	14.55	0.00	0.00	0.0	59.2	0.0	0.0	10.5	74.2	36.1	1253.1	D1	C1	<ST1> C1 D1
473.356	0.00	14.87	0.00	0.00	0.0	74.1	0.0	0.0	10.5	89.1	36.1	1253.1	D1	C1	<ST1> C1 D1



Istram 22.08.08.11 05/12/22 13:24:53 200207

PROYECTO :

GRUPO :

C.R.S. :

EJE :

1 : CALZADAS LATERALES

ETRS89 / UTM zone 30N (N-E) (HUSO 30)

4 : CALZADA LATERAL IZQUIERDA (CPOL4_a1.vol)

pagi na

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* * *

SUPERFICIES DE SIEMBRA

* * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA						
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN				
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr			
480.000	0.00	24.21	0.00	0.00	0.0	98.3	0.0	0.0	10.5	113.3	36.1	1253.1	D1	C1	<ST1> C1 D1
485.738	0.00	35.33	0.00	0.00	0.0	133.6	0.0	0.0	10.5	148.6	36.1	1253.1	D1	C1	<ST1> C1 D1
500.000	0.00	149.19	0.00	0.00	0.0	282.8	0.0	0.0	10.5	297.8	36.1	1253.1	D1	C1	<ST1> C1 D1
501.963	0.00	29.04	0.00	0.00	0.0	311.8	0.0	0.0	10.5	326.8	36.1	1253.1	D1	C1	<ST1> C1 D1
520.000	0.00	247.06	0.00	0.00	0.0	558.9	0.0	0.0	10.5	573.9	36.1	1253.1	D1	C1	<ST1> C1 D1
538.689	0.00	143.11	0.00	0.00	0.0	702.0	0.0	0.0	10.5	717.0	36.1	1253.1	D1	C1	<ST1> C1 D1
540.000	0.00	3.71	0.00	0.00	0.0	705.7	0.0	0.0	10.5	720.7	36.1	1253.1	D1	C1	<ST1> C1 D1
540.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	10.5	720.7	36.1	1253.1	D1	C1	<ST1> C1 D1
560.000	0.00	65.47	0.00	0.00	0.0	65.5	0.0	0.0	10.5	786.2	36.1	1253.1	D1	C1	<ST1> C1 D1
580.000	32.82	148.08	0.00	0.00	32.8	213.6	0.0	0.0	43.4	934.3	36.1	1253.1	D2	C2	<ST2> C2 D2
600.000	60.14	199.02	0.00	0.00	93.0	412.6	0.0	0.0	103.5	1133.3	36.1	1253.1	D2	C2	<ST2> C2 D2
620.000	54.53	170.65	0.00	0.00	147.5	583.2	0.0	0.0	158.0	1303.9	36.1	1253.1	D2	C2	<ST2> C2 D2
640.000	70.11	126.00	0.00	0.00	217.6	709.2	0.0	0.0	228.1	1429.9	36.1	1253.1	D2	C2	<ST2> C2 D2
640.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	228.1	1429.9	36.1	1253.1	D2	C2-4	<ST2-4> C2-4 D2
660.000	112.98	84.97	0.00	0.00	113.0	85.0	0.0	0.0	341.1	1514.9	36.1	1253.1	D2-4	C2-4	<ST2-4> C2-4 D2-4
660.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	341.1	1514.9	36.1	1253.1	D4	C4	<ST4> C4 D4
680.000	137.54	66.85	0.00	0.00	137.5	66.8	0.0	0.0	478.7	1581.7	36.1	1253.1	D4	C4	<ST4> C4 D4
700.000	145.49	66.62	0.00	0.00	283.0	133.5	0.0	0.0	624.1	1648.4	36.1	1253.1	D4	C4	<ST4> C4 D4
715.838	125.04	57.70	0.00	0.00	408.1	191.2	0.0	0.0	749.2	1706.1	36.1	1253.1	D4	C4	<ST4> C4 D4
720.000	33.02	17.67	0.00	0.00	441.1	208.8	0.0	0.0	782.2	1723.7	36.1	1253.1	D4	C4	<ST4> C4 D4
740.000	147.99	105.86	0.00	0.00	589.1	314.7	0.0	0.0	930.2	1829.6	36.1	1253.1	D4	C4	<ST4> C4 D4
760.000	124.28	110.94	0.00	0.00	713.4	425.6	0.0	0.0	1054.5	1940.5	36.1	1253.1	D4	C4	<ST4> C4 D4

780.000	101.61	60.50	0.00	0.00	815.0	486.1	0.0	0.0	1156.1	2001.0	36.1	1253.1	D4	C4	<ST4>	C4	D4
800.000	69.31	11.02	0.00	6.07	884.3	497.2	0.0	6.1	1225.4	2012.1	36.1	1259.2	D4	C4	<ST4>	T4	
820.000	22.79	13.78	0.00	6.07	907.1	510.9	0.0	12.1	1248.2	2025.8	36.1	1265.2	T4	<ST4>	C4	D4	
840.000	0.00	25.03	0.35	0.00	0.0	536.0	0.4	0.0	1248.2	2050.9	36.4	1265.2	T4	<ST4>	C4	D4	
860.000	15.11	49.39	0.35	0.00	15.1	585.3	0.7	0.0	1263.3	2100.2	36.8	1265.2	D4	C4	<ST4>	C4	D4
880.000	15.11	58.36	0.00	0.00	30.2	643.7	0.0	0.0	1278.4	2158.6	36.8	1265.2	T4	<ST4>	C4	D4	
900.000	0.00	22.89	0.00	0.00	0.0	666.6	0.0	0.0	1278.4	2181.5	36.8	1265.2	T4	<ST4>	C4	D4	
920.000	2.49	2.67	0.00	0.00	2.5	669.3	0.0	0.0	1280.9	2184.2	36.8	1265.2	D4	C4	<ST4>	T4	
940.000	5.73	0.00	0.00	6.09	8.2	0.0	0.0	6.1	1286.6	2184.2	36.8	1271.3	D4	C4	<ST4>	T4	
960.000	3.24	0.00	0.00	16.39	11.5	0.0	0.0	22.5	1289.8	2184.2	36.8	1287.7	D4	C4	<ST4>	T4	
980.000	0.00	0.00	0.00	46.64	0.0	0.0	0.0	69.1	1289.8	2184.2	36.8	1334.3	T4	<ST4>	T4		
1000.000	0.00	0.00	5.01	64.75	0.0	0.0	5.0	133.9	1289.8	2184.2	41.8	1399.1	T4	<ST4>	T4		
1020.000	0.00	0.00	18.88	64.87	0.0	0.0	23.9	198.7	1289.8	2184.2	60.6	1464.0	T4	<ST4>	T4		
1040.000	0.00	0.00	20.36	82.09	0.0	0.0	44.2	280.8	1289.8	2184.2	81.0	1546.1	T4	<ST4>	T4		
1060.000	0.00	0.00	13.02	103.12	0.0	0.0	57.3	383.9	1289.8	2184.2	94.0	1649.2	T4	<ST4>	T4		
1060.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1289.8	2184.2	94.0	1649.2	T4	<ST4>	T4		
1071.102	0.00	0.00	9.30	66.15	0.0	0.0	9.3	66.1	1289.8	2184.2	103.3	1715.3	T4	<ST4>	T4		
1080.000	0.00	0.00	10.24	56.32	0.0	0.0	19.5	122.5	1289.8	2184.2	113.6	1771.6	T4	<ST4>	T4		
1087.337	0.00	0.00	10.00	48.69	0.0	0.0	29.5	171.2	1289.8	2184.2	123.6	1820.3	T4	<ST4>	T4		
1100.000	0.00	0.00	18.86	88.66	0.0	0.0	48.4	259.8	1289.8	2184.2	142.4	1909.0	T4	<ST4>	T4		



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PROYECTO :

GRUPO : 1 : CALZADAS LATERALES

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 4 : CALZADA LATERAL IZQUIERDA (CPOL4_a1.vol)

pagi na 4

* * *	S U P E R F I C I E S D E S I E M B R A	* * *
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P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA							
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN					
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr				
1114.197	0.00	0.00	15.65	107.65	0.0	0.0	64.1	367.5	1289.8	2184.2	158.1	2016.6	T4	<ST4>	T4	
1120.000	0.00	0.00	3.86	40.79	0.0	0.0	67.9	408.3	1289.8	2184.2	161.9	2057.4	T4	<ST4>	T4	
1120.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1289.8	2184.2	161.9	2057.4	T4	<ST4>	T4	
1140.000	0.00	0.00	15.94	131.52	0.0	0.0	15.9	131.5	1289.8	2184.2	177.9	2188.9	T4	<ST4>	T4	
1141.937	0.00	0.00	1.81	13.70	0.0	0.0	17.7	145.2	1289.8	2184.2	179.7	2202.6	T4	<ST4>	T4	
1160.000	0.00	0.00	13.89	134.14	0.0	0.0	31.6	279.3	1289.8	2184.2	193.6	2336.8	T4	<ST4>	T4	
1180.000	0.00	0.00	9.75	148.51	0.0	0.0	41.4	427.9	1289.8	2184.2	203.3	2485.3	T4	<ST4>	T4	
1196.537	0.00	0.00	4.59	120.33	0.0	0.0	46.0	548.2	1289.8	2184.2	207.9	2605.6	T4	<ST4>	T4	
1200.000	0.00	0.00	0.46	25.84	0.0	0.0	46.4	574.0	1289.8	2184.2	208.4	2631.5	T4	<ST4>	T4	
1220.000	0.00	0.00	0.71	153.78	0.0	0.0	47.1	727.8	1289.8	2184.2	209.1	2785.2	T4	<ST4>	T4	
1240.000	0.00	0.00	0.00	164.10	0.0	0.0	0.0	891.9	1289.8	2184.2	209.1	2949.3	T4	<ST4>	T4	
1260.000	0.00	0.00	0.00	167.06	0.0	0.0	0.0	1059.0	1289.8	2184.2	209.1	3116.4	T4	<ST4>	T4	
1280.000	0.00	0.00	0.00	150.82	0.0	0.0	0.0	1209.8	1289.8	2184.2	209.1	3267.2	T4	<ST4>	T4	
1300.000	0.00	0.00	0.00	120.18	0.0	0.0	0.0	1330.0	1289.8	2184.2	209.1	3387.4	T4	<ST4>	T4	
1320.000	0.00	0.00	0.00	103.23	0.0	0.0	0.0	1433.2	1289.8	2184.2	209.1	3490.6	T4	<ST4>	T4	
1340.000	0.00	0.00	0.00	99.87	0.0	0.0	0.0	1533.1	1289.8	2184.2	209.1	3590.5	T4	<ST4>	T4	
1340.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1289.8	2184.2	209.1	3590.5	T4	<ST4>	T4	

1355.000	0.00	0.00	0.00	87.97	0.0	0.0	0.0	88.0	1289.8	2184.2	209.1	3678.5	T4 <ST4> T4
1355.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1289.8	2184.2	209.1	3678.5	T4 <ST4> T4
1360.000	0.00	0.00	0.00	35.72	0.0	0.0	0.0	35.7	1289.8	2184.2	209.1	3714.2	T4 <ST4> T4
1380.000	0.00	0.00	0.00	127.94	0.0	0.0	0.0	163.7	1289.8	2184.2	209.1	3842.1	T4 <ST4> T4
1395.872	0.00	0.00	33.77	65.33	0.0	0.0	33.8	229.0	1289.8	2184.2	242.8	3907.5	T4 <ST4> T4



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PROYECTO :
GRUPO : 2 : ENLACE CV35
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 6 : RAMAL C.L.I. - CV35 (V) (CPOL6_a1.vol)

* * * SUPERFICIES DE SIEMBRA * * *
* * * * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA						
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN				
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr			
0.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
0.681	0.00	4.48	0.00	0.00	0.0	4.5	0.0	0.0	0.0	4.5	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
1.980	0.00	8.78	0.00	0.00	0.0	13.3	0.0	0.0	0.0	13.3	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
3.954	0.00	14.08	0.00	0.00	0.0	27.3	0.0	0.0	0.0	27.3	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
5.000	0.00	8.04	0.00	0.00	0.0	35.4	0.0	0.0	0.0	35.4	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
5.924	0.00	7.41	0.00	0.00	0.0	42.8	0.0	0.0	0.0	42.8	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
7.890	0.00	16.40	0.00	0.00	0.0	59.2	0.0	0.0	0.0	59.2	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
9.851	0.00	16.85	0.00	0.00	0.0	76.0	0.0	0.0	0.0	76.0	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
10.000	0.00	1.29	0.00	0.00	0.0	77.3	0.0	0.0	0.0	77.3	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
11.809	0.00	15.63	0.00	0.00	0.0	93.0	0.0	0.0	0.0	93.0	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
13.764	0.00	16.92	0.00	0.00	0.0	109.9	0.0	0.0	0.0	109.9	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
15.000	0.00	10.70	0.00	0.00	0.0	120.6	0.0	0.0	0.0	120.6	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
15.714	0.00	6.19	0.00	0.00	0.0	126.8	0.0	0.0	0.0	126.8	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
17.662	0.00	16.87	0.00	0.00	0.0	143.6	0.0	0.0	0.0	143.6	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
19.606	0.00	16.25	0.00	0.00	0.0	159.9	0.0	0.0	0.0	159.9	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
20.000	0.00	3.16	0.00	0.00	0.0	163.0	0.0	0.0	0.0	163.0	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
20.681	0.00	5.21	0.00	0.00	0.0	168.3	0.0	0.0	0.0	168.3	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
21.547	0.00	6.06	0.00	0.00	0.0	174.3	0.0	0.0	0.0	174.3	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
23.484	0.00	12.18	0.00	0.00	0.0	186.5	0.0	0.0	0.0	186.5	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
25.000	0.00	8.44	0.00	0.00	0.0	194.9	0.0	0.0	0.0	194.9	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
25.417	0.00	2.17	0.00	0.00	0.0	197.1	0.0	0.0	0.0	197.1	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
27.346	0.00	9.35	0.00	0.00	0.0	206.5	0.0	0.0	0.0	206.5	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
29.270	0.00	8.62	0.00	0.00	0.0	215.1	0.0	0.0	0.0	215.1	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
30.000	0.00	3.26	0.00	0.00	0.0	218.3	0.0	0.0	0.0	218.3	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
30.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	218.3	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
31.189	0.00	5.39	0.00	0.00	0.0	5.4	0.0	0.0	0.0	223.7	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
33.282	0.00	9.23	0.00	0.00	0.0	14.6	0.0	0.0	0.0	233.0	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
35.000	0.00	7.39	0.00	0.00	0.0	22.0	0.0	0.0	0.0	240.3	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
35.135	0.00	0.57	0.00	0.00	0.0	22.6	0.0	0.0	0.0	240.9	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
36.805	0.00	7.03	0.00	0.00	0.0	29.6	0.0	0.0	0.0	247.9	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
38.331	0.00	6.30	0.00	0.00	0.0	35.9	0.0	0.0	0.0	254.2	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
39.740	0.00	5.69	0.00	0.00	0.0	41.6	0.0	0.0	0.0	259.9	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
40.000	0.00	1.04	0.00	0.00	0.0	42.6	0.0	0.0	0.0	261.0	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
40.681	0.00	2.67	0.00	0.00	0.0	45.3	0.0	0.0	0.0	263.6	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
45.000	0.00	16.57	0.00	0.00	0.0	61.9	0.0	0.0	0.0	280.2	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
50.000	0.00	18.28	0.00	0.00	0.0	80.1	0.0	0.0	0.0	298.5	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
53.109	0.00	10.59	0.00	0.00	0.0	90.7	0.0	0.0	0.0	309.1	0.0	0.0	0.0	D1	C1 <ST1> C1 D1

54.257	0.00	3.78	0.00	0.00	0.0	94.5	0.0	0.0	0.0	312.9	0.0	0.0	D1	C1	<ST1>	C1	D1
54.267	0.00	0.03	0.00	0.00	0.0	94.6	0.0	0.0	0.0	312.9	0.0	0.0	D1	C1	<ST1>	C1	D1
55.000	0.00	2.38	0.00	0.00	0.0	96.9	0.0	0.0	0.0	315.3	0.0	0.0	D1	C1	<ST1>	C1	D1
60.000	0.00	15.19	0.00	0.00	0.0	112.1	0.0	0.0	0.0	330.5	0.0	0.0	D1	C1	<ST1>	C1	D1
65.000	0.00	12.81	0.00	0.00	0.0	124.9	0.0	0.0	0.0	343.3	0.0	0.0	D1	C1	<ST1>	C1	D1



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PROYECTO :
GRUPO : 2 : ENLACE CV35
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 6 : RAMAL C.L.I. - CV35 (V) (CPOL6_a1.vol)

pagi na 1

* * * S U P E R F I C I E S D E S I E M B R A * * *

* * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA								
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN						
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr					
70.000	0.00	10.38	0.00	0.00	0.0	135.3	0.0	0.0	0.0	353.7	0.0	0.0	D1	C1	<ST1>	C1	D1
75.000	0.00	8.61	0.00	0.00	0.0	143.9	0.0	0.0	0.0	362.3	0.0	0.0	D1	C1	<ST1>	C1	D1
80.000	0.00	7.59	0.00	0.00	0.0	151.5	0.0	0.0	0.0	369.8	0.0	0.0	D1	C1	<ST1>	C1	D1
81.109	0.00	1.63	0.00	0.00	0.0	153.1	0.0	0.0	0.0	371.5	0.0	0.0	D1	C1	<ST1>	C1	D1
85.000	0.00	5.71	0.00	0.00	0.0	158.9	0.0	0.0	0.0	377.2	0.0	0.0	D1	C1	<ST1>	C1	D1
90.000	0.00	7.10	0.00	0.00	0.0	166.0	0.0	0.0	0.0	384.3	0.0	0.0	D1	C1	<ST1>	C1	D1
95.000	0.00	6.44	0.00	0.00	0.0	172.4	0.0	0.0	0.0	390.7	0.0	0.0	D1	C1	<ST1>	C1	D1
100.000	0.00	4.85	0.00	0.00	0.0	177.2	0.0	0.0	0.0	395.6	0.0	0.0	D1	C1	<ST1>	C1	D1
105.000	0.00	3.26	0.00	0.00	0.0	180.5	0.0	0.0	0.0	398.8	0.0	0.0	D1	C1	<ST1>	C1	D1
110.000	0.00	1.84	0.00	0.00	0.0	182.3	0.0	0.0	0.0	400.7	0.0	0.0	D1	C1	<ST1>	C1	D1
115.000	0.00	0.44	0.00	0.00	0.0	182.8	0.0	0.0	0.0	401.1	0.0	0.0	D1	C1	<ST1>	C1	D1
120.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	401.1	0.0	0.0	T1	<ST1>	T1		
120.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	401.1	0.0	0.0	T1	<ST1>	T1		
120.682	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	401.1	0.0	0.0	T1	<ST1>	T1		
125.000	0.00	0.00	0.00	0.23	0.0	0.0	0.0	0.2	0.0	401.1	0.0	0.2	T1	<ST1>	T1		
125.057	0.00	0.00	0.00	0.01	0.0	0.0	0.0	0.2	0.0	401.1	0.0	0.2	T1	<ST1>	T1		
130.000	0.00	0.00	0.00	1.20	0.0	0.0	0.0	1.4	0.0	401.1	0.0	1.4	T1	<ST1>	T1		
135.000	0.00	0.00	0.00	1.76	0.0	0.0	0.0	3.2	0.0	401.1	0.0	3.2	T1	<ST1>	T1		
135.554	0.00	0.00	0.00	0.18	0.0	0.0	0.0	3.4	0.0	401.1	0.0	3.4	T1	<ST1>	T1		
140.000	0.00	0.00	0.00	3.24	0.0	0.0	0.0	6.6	0.0	401.1	0.0	6.6	T1	<ST1>	T1		
160.000	0.00	0.00	0.00	21.75	0.0	0.0	0.0	28.4	0.0	401.1	0.0	28.4	T1	<ST1>	T1		
163.495	0.00	0.00	0.00	3.92	0.0	0.0	0.0	32.3	0.0	401.1	0.0	32.3	T1	<ST1>	T1		
177.804	0.00	0.00	0.00	22.92	0.0	0.0	0.0	55.2	0.0	401.1	0.0	55.2	T1	<ST1>	T1		
180.000	0.00	0.00	0.00	4.44	0.0	0.0	0.0	59.6	0.0	401.1	0.0	59.6	T1	<ST1>	T1		
200.000	0.00	0.00	0.00	20.45	0.0	0.0	0.0	80.1	0.0	401.1	0.0	80.1	T1	<ST1>	C1	D1	
206.307	0.00	0.00	0.00	2.02	0.0	0.0	0.0	82.1	0.0	401.1	0.0	82.1	T1	<ST1>	T1		
207.804	0.00	0.00	0.00	1.03	0.0	0.0	0.0	83.1	0.0	401.1	0.0	83.1	T1	<ST1>	T1		



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PROYECTO :
GRUPO : 2 : ENLACE CV35
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 8 : RAMAL CV-35 (A) - C.L.I. (CPOL8_a1.vol)

* * * SUPERFICIES DE SIEMBRA * * *
* * * * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA						
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN				
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr			
0.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
2.000	4.18	0.00	0.00	0.00	4.2	0.0	0.0	0.0	4.2	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
4.000	3.75	0.00	0.00	0.00	7.9	0.0	0.0	0.0	7.9	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
6.000	3.31	0.00	0.00	0.00	11.2	0.0	0.0	0.0	11.2	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
8.000	2.82	0.00	0.00	0.00	14.1	0.0	0.0	0.0	14.1	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
10.000	2.21	0.00	0.00	0.00	16.3	0.0	0.0	0.0	16.3	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
12.000	1.53	0.00	0.00	0.00	17.8	0.0	0.0	0.0	17.8	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
14.000	0.92	0.00	0.00	0.00	18.7	0.0	0.0	0.0	18.7	0.0	0.0	0.0	D1	C1	<ST1> T1
16.000	0.32	0.00	0.00	0.00	19.0	0.0	0.0	0.0	19.0	0.0	0.0	0.0	D1	C1	<ST1> T1
18.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	19.0	0.0	0.0	0.0	D1	C1	<ST1> T1
20.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	19.0	0.0	0.0	0.0	D1	C1	<ST1> T1
22.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	19.0	0.0	0.0	0.0	D1	C1	<ST1> T1
22.612	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	19.0	0.0	0.0	0.0	D1	C1	<ST1> T1
24.000	0.00	0.00	0.00	0.05	0.0	0.0	0.0	0.0	19.0	0.0	0.0	0.0	D1	C1	<ST1> T1
26.000	0.00	0.00	0.00	0.34	0.0	0.0	0.0	0.4	19.0	0.0	0.0	0.4	D1	C1	<ST1> T1
28.000	0.00	0.00	0.00	0.64	0.0	0.0	0.0	1.0	19.0	0.0	0.0	1.0	D1	C1	<ST1> T1
30.000	0.00	0.00	0.00	0.53	0.0	0.0	0.0	1.6	19.0	0.0	0.0	1.6	D1	C1	<ST1> T1
32.000	0.00	0.00	0.00	0.49	0.0	0.0	0.0	2.0	19.0	0.0	0.0	2.0	T1	<ST1>	T1
34.000	0.00	0.00	0.00	0.48	0.0	0.0	0.0	2.5	19.0	0.0	0.0	2.5	T1	<ST1>	T1
36.000	0.00	0.00	0.00	0.26	0.0	0.0	0.0	2.8	19.0	0.0	0.0	2.8	T1	<ST1>	T1
38.000	0.00	0.00	0.00	0.40	0.0	0.0	0.0	3.2	19.0	0.0	0.0	3.2	T1	<ST1>	T1
38.205	0.00	0.00	0.00	0.06	0.0	0.0	0.0	3.2	19.0	0.0	0.0	3.2	T1	<ST1>	T1
40.000	0.00	0.00	0.00	0.73	0.0	0.0	0.0	4.0	19.0	0.0	0.0	4.0	T1	<ST1>	T1
42.000	0.00	0.00	0.00	1.23	0.0	0.0	0.0	5.2	19.0	0.0	0.0	5.2	T1	<ST1>	T1
44.000	0.00	0.00	0.00	1.66	0.0	0.0	0.0	6.8	19.0	0.0	0.0	6.8	T1	<ST1>	T1
46.000	0.00	0.00	0.00	2.29	0.0	0.0	0.0	9.1	19.0	0.0	0.0	9.1	T1	<ST1>	T1
48.000	0.00	0.00	0.00	3.51	0.0	0.0	0.0	12.6	19.0	0.0	0.0	12.6	T1	<ST1>	T1
50.000	0.00	0.00	0.00	3.65	0.0	0.0	0.0	16.3	19.0	0.0	0.0	16.3	T1	<ST1>	T1
52.000	0.00	0.00	0.00	3.12	0.0	0.0	0.0	19.4	19.0	0.0	0.0	19.4	T1	<ST1>	T1
52.612	0.00	0.00	0.00	1.00	0.0	0.0	0.0	20.4	19.0	0.0	0.0	20.4	T1	<ST1>	T1
54.000	0.00	0.00	0.00	2.26	0.0	0.0	0.0	22.7	19.0	0.0	0.0	22.7	T1	<ST1>	T1
56.000	0.00	0.00	0.00	2.94	0.0	0.0	0.0	25.6	19.0	0.0	0.0	25.6	T1	<ST1>	T1
58.000	0.00	0.00	0.00	2.82	0.0	0.0	0.0	28.4	19.0	0.0	0.0	28.4	T1	<ST1>	T1
58.336	0.00	0.00	0.00	0.50	0.0	0.0	0.0	29.0	19.0	0.0	0.0	29.0	T1	<ST1>	T1
60.000	0.00	0.00	0.00	2.70	0.0	0.0	0.0	31.6	19.0	0.0	0.0	31.6	D1	C1	<ST1> T1
62.000	0.00	0.00	0.00	3.89	0.0	0.0	0.0	35.5	19.0	0.0	0.0	35.5	D1	C1	<ST1> T1
64.000	0.00	0.00	0.00	4.68	0.0	0.0	0.0	40.2	19.0	0.0	0.0	40.2	D1	C1	<ST1> T1

66.000	0.00	0.00	0.00	5.43	0.0	0.0	0.0	45.7	19.0	0.0	0.0	45.7	D1	C1	<ST1>	T1
68.000	0.00	0.00	0.00	6.48	0.0	0.0	0.0	52.1	19.0	0.0	0.0	52.1	D1	C1	<ST1>	T1
68.205	0.00	0.00	0.00	0.73	0.0	0.0	0.0	52.9	19.0	0.0	0.0	52.9	D1	C1	<ST1>	T1
70.000	0.00	0.00	0.00	6.65	0.0	0.0	0.0	59.5	19.0	0.0	0.0	59.5	D1	C1	<ST1>	T1
72.000	0.00	0.00	0.00	7.92	0.0	0.0	0.0	67.4	19.0	0.0	0.0	67.4	D1	C1	<ST1>	T1



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PROYECTO :

GRUPO : 2 : ENLACE CV35

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 8 : RAMAL CV-35 (A) - C.L.I. (CPOL8_a1.vol)

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* * * S U P E R F I C I E S D E S I E M B R A * * *

* * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA							
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN					
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr				
74.000	0.00	0.00	0.00	8.60	0.0	0.0	0.0	76.0	19.0	0.0	0.0	76.0	D1	C1	<ST1>	T1
76.000	0.00	0.00	0.00	9.39	0.0	0.0	0.0	85.4	19.0	0.0	0.0	85.4	D1	C1	<ST1>	T1
78.000	0.00	0.00	0.00	9.98	0.0	0.0	0.0	95.4	19.0	0.0	0.0	95.4	D1	C1	<ST1>	T1
80.000	0.00	0.00	0.00	10.35	0.0	0.0	0.0	105.7	19.0	0.0	0.0	105.7	D1	C1	<ST1>	T1
82.000	0.00	0.00	0.00	10.75	0.0	0.0	0.0	116.5	19.0	0.0	0.0	116.5	D1	C1	<ST1>	T1
82.612	0.00	0.00	0.00	3.40	0.0	0.0	0.0	119.9	19.0	0.0	0.0	119.9	D1	C1	<ST1>	T1
84.000	0.00	0.00	0.00	8.05	0.0	0.0	0.0	128.0	19.0	0.0	0.0	128.0	D1	C1	<ST1>	T1
86.000	0.00	0.00	0.00	12.24	0.0	0.0	0.0	140.2	19.0	0.0	0.0	140.2	D1	C1	<ST1>	T1
88.000	0.00	0.00	0.00	12.59	0.0	0.0	0.0	152.8	19.0	0.0	0.0	152.8	T1	<ST1>	T1	
88.230	0.00	0.00	0.00	1.46	0.0	0.0	0.0	154.2	19.0	0.0	0.0	154.2	T1	<ST1>	T1	
90.000	0.00	0.00	0.00	11.41	0.0	0.0	0.0	165.7	19.0	0.0	0.0	165.7	T1	<ST1>	T1	
92.000	0.00	0.00	0.00	13.31	0.0	0.0	0.0	179.0	19.0	0.0	0.0	179.0	T1	<ST1>	T1	
94.000	0.00	0.00	0.00	13.79	0.0	0.0	0.0	192.8	19.0	0.0	0.0	192.8	T1	<ST1>	T1	
96.000	0.00	0.00	0.00	14.28	0.0	0.0	0.0	207.0	19.0	0.0	0.0	207.0	T1	<ST1>	T1	
98.000	0.00	0.00	0.00	14.81	0.0	0.0	0.0	221.9	19.0	0.0	0.0	221.9	T1	<ST1>	T1	
100.000	0.00	0.00	0.00	15.70	0.0	0.0	0.0	237.6	19.0	0.0	0.0	237.6	T1	<ST1>	T1	
102.000	0.00	0.00	0.00	17.02	0.0	0.0	0.0	254.6	19.0	0.0	0.0	254.6	T1	<ST1>	T1	
104.000	0.00	0.00	0.00	19.10	0.0	0.0	0.0	273.7	19.0	0.0	0.0	273.7	T1	<ST1>	T1	
106.000	0.00	0.00	0.00	21.66	0.0	0.0	0.0	295.3	19.0	0.0	0.0	295.3	T1	<ST1>	T1	
108.000	0.00	0.00	0.00	25.96	0.0	0.0	0.0	321.3	19.0	0.0	0.0	321.3	T1	<ST1>	T1	
110.000	0.00	0.00	0.00	30.99	0.0	0.0	0.0	352.3	19.0	0.0	0.0	352.3	T1	<ST1>	T1	
110.509	0.00	0.00	0.00	8.57	0.0	0.0	0.0	360.9	19.0	0.0	0.0	360.9	T1	<ST1>	T1	
120.000	0.00	0.00	0.88	161.17	0.0	0.0	0.9	522.0	19.0	0.0	0.9	522.0	T1	<ST1>	T1	
130.000	0.00	0.00	3.20	163.19	0.0	0.0	4.1	685.2	19.0	0.0	4.1	685.2	T1	<ST1>	T1	
140.000	0.00	0.00	5.11	151.45	0.0	0.0	9.2	836.7	19.0	0.0	9.2	836.7	T1	<ST1>	T1	
140.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	19.0	0.0	9.2	836.7	Estructura	D2	<ST2>	D2 Estructura
150.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	19.0	0.0	9.2	836.7	Estructura	D2	<ST2>	D2 Estructura
160.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	19.0	0.0	9.2	836.7	Estructura	D2	<ST2>	D2 Estructura
170.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	19.0	0.0	9.2	836.7	Estructura	D2	<ST2>	D2 Estructura
180.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	19.0	0.0	9.2	836.7	Estructura	D2	<ST2>	D2 Estructura
190.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	19.0	0.0	9.2	836.7	Estructura	D2	<ST2>	D2 Estructura
200.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	19.0	0.0	9.2	836.7	Estructura	D2	<ST2>	D2 Estructura

210.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	19.0	0.0	9.2	836.7	Estructura D2 <ST2> D2 Estructura
218.857	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	19.0	0.0	9.2	836.7	Estructura D2 <ST2> D2 Estructura
220.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	19.0	0.0	9.2	836.7	Estructura D2 <ST2> D2 Estructura
220.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	19.0	0.0	9.2	836.7	T1 <ST1> T1
223.310	0.00	0.00	1.84	46.58	0.0	0.0	1.8	46.6	19.0	0.0	11.0	883.3	T1 <ST1> T1
230.000	0.00	0.00	3.93	115.36	0.0	0.0	5.8	161.9	19.0	0.0	15.0	998.6	T1 <ST1> T1
240.000	0.00	0.00	6.56	180.26	0.0	0.0	12.3	342.2	19.0	0.0	21.5	1178.9	T1 <ST1> T1
250.000	0.00	0.00	7.56	168.86	0.0	0.0	19.9	511.1	19.0	0.0	29.1	1347.7	T1 <ST1> T1
258.857	0.00	0.00	7.11	147.10	0.0	0.0	27.0	658.2	19.0	0.0	36.2	1494.8	T1 <ST1> T1
260.000	0.00	0.00	0.91	18.52	0.0	0.0	27.9	676.7	19.0	0.0	37.1	1513.4	T1 <ST1> T1



Istram 22.08.08.11 05/12/22 13:24:54 200207

PROYECTO :
GRUPO : 2 : ENLACE CV35
C. R. S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 8 : RAMAL CV-35 (A) - C. L. I. (CPOL8_a1.vol)

pagi na 2

* * * S U P E R F I C I E S D E S I E M B R A * * *
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P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA				
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
	I z	Dr	I z	Dr	I z	Dr	I z	Dr	I z	Dr	I z	Dr	
267.455	0.00	0.00	5.93	117.54	0.0	0.0	33.8	794.2	19.0	0.0	43.0	1630.9	T1 <ST1> T1
270.000	0.00	0.00	2.04	39.00	0.0	0.0	35.9	833.2	19.0	0.0	45.1	1669.9	T1 <ST1> T1
280.000	0.00	0.00	8.26	106.14	0.0	0.0	44.1	939.4	19.0	0.0	53.3	1776.0	T1 <ST1> T1
300.000	0.00	0.00	9.32	66.62	0.0	0.0	53.4	1006.0	19.0	0.0	62.6	1842.7	T1 <ST1> T1
310.000	0.00	0.00	1.99	3.79	0.0	0.0	55.4	1009.8	19.0	0.0	64.6	1846.5	T1 <ST1> T1
320.000	0.00	0.00	2.73	0.00	0.0	0.0	58.2	0.0	19.0	0.0	67.4	1846.5	T1 <ST1> C1 D1
323.842	0.00	0.00	0.73	0.00	0.0	0.0	58.9	0.0	19.0	0.0	68.1	1846.5	T1 <ST1> C1 D1
330.000	0.00	0.31	0.49	0.00	0.0	0.3	59.4	0.0	19.0	0.3	68.6	1846.5	T1 <ST1> C1 D1
340.000	0.00	0.89	0.07	0.00	0.0	1.2	59.5	0.0	19.0	1.2	68.7	1846.5	T1 <ST1> C1 D1
350.000	0.00	0.38	0.00	0.00	0.0	1.6	0.0	0.0	19.0	1.6	68.7	1846.5	T1 <ST1> C1 D1
356.685	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	19.0	1.6	68.7	1846.5	T1 <ST1> C1 D1
360.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	19.0	1.6	68.7	1846.5	D1 C1 <ST1> C1 D1
363.842	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	19.0	1.6	68.7	1846.5	D1 C1 <ST1> C1 D1
370.000	0.00	0.10	0.00	0.00	0.0	0.1	0.0	0.0	19.0	1.7	68.7	1846.5	D1 C1 <ST1> C1 D1
380.000	0.00	0.17	0.00	0.00	0.0	0.3	0.0	0.0	19.0	1.9	68.7	1846.5	D1 C1 <ST1> T1
381.269	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	19.0	1.9	68.7	1846.5	D1 C1 <ST1> T1
390.000	0.00	0.00	0.00	5.77	0.0	0.0	0.0	5.8	19.0	1.9	68.7	1852.2	D1 C1 <ST1> T1
400.000	0.00	0.00	0.00	54.40	0.0	0.0	0.0	60.2	19.0	1.9	68.7	1906.6	D1 C1 <ST1> T1



Istram 22.08.08.11 05/12/22 13:24:54 200207

PROYECTO :
GRUPO : 2 : ENLACE CV35
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 9 : RAMAL C.L.I. - CV35 (A) (CPOL9_a1.vol)

pagina 0

* * * S U P E R F I C I E S D E S I E M B R A * * *

* * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA						
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN				
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr			
0.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
5.000	0.00	11.26	0.00	0.00	0.0	11.3	0.0	0.0	0.0	11.3	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
10.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	11.3	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
15.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	11.3	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
19.740	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	11.3	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
20.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	11.3	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
30.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	11.3	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
40.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	11.3	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
49.756	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	11.3	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
50.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	11.3	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
51.641	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	11.3	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
53.654	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	11.3	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
55.665	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	11.3	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
57.675	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	11.3	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
59.683	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	11.3	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
60.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	11.3	0.0	0.0	0.0	D1	C1 <ST1> C1 D1
80.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	11.3	0.0	0.0	0.0	D1	C1 <ST1> T1
86.692	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	11.3	0.0	0.0	0.0	D1	C1 <ST1> T1
90.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	11.3	0.0	0.0	0.0	D1	C1 <ST1> T1
94.581	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	11.3	0.0	0.0	0.0	D1	C1 <ST1> T1
94.791	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	11.3	0.0	0.0	0.0	D1	C1 <ST1> T1
95.263	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	11.3	0.0	0.0	0.0	D1	C1 <ST1> T1
100.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	11.3	0.0	0.0	0.0	D1	C1 <ST1> T1
106.692	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	11.3	0.0	0.0	0.0	D1	C1 <ST1> T1
120.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	11.3	0.0	0.0	0.0	T1	<ST1> T1
120.973	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	11.3	0.0	0.0	0.0	T1	<ST1> T1
126.132	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	11.3	0.0	0.0	0.0	T1	<ST1> T1
135.973	0.00	0.00	0.00	0.51	0.0	0.0	0.0	0.5	0.0	11.3	0.0	0.5	0.5	T1	<ST1> T1
140.000	0.00	0.00	0.00	1.39	0.0	0.0	0.0	1.9	0.0	11.3	0.0	1.9	1.9	T1	<ST1> T1
150.973	0.00	0.00	0.00	3.21	0.0	0.0	0.0	5.1	0.0	11.3	0.0	5.1	5.1	T1	<ST1> T1
152.181	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	11.3	0.0	5.1	5.1	T1	<ST1> T1
152.391	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	11.3	0.0	5.1	5.1	T1	<ST1> T1
153.970	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	11.3	0.0	5.1	5.1	T1	<ST1> T1
154.135	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	11.3	0.0	5.1	5.1	T1	<ST1> T1
154.220	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	11.3	0.0	5.1	5.1	T1	<ST1> T1

* * * S U P E R F I C I E S D E S I E M B R A * * *

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P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA				
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	
0.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
20.000	0.00	0.00	84.67	15.40	0.0	0.0	84.7	15.4	0.0	0.0	84.7	15.4	T1 <ST1> T1
30.000	0.00	0.00	36.13	18.36	0.0	0.0	120.8	33.8	0.0	0.0	120.8	33.8	T1 <ST1> T1
40.000	0.00	0.00	29.40	33.00	0.0	0.0	150.2	66.7	0.0	0.0	150.2	66.7	T1 <ST1> T1
42.059	0.00	0.00	4.88	8.80	0.0	0.0	155.1	75.5	0.0	0.0	155.1	75.5	T1 <ST1> T1
60.000	0.00	0.00	32.45	100.16	0.0	0.0	187.5	175.7	0.0	0.0	187.5	175.7	T1 <ST1> T1
75.859	0.00	0.00	23.38	120.40	0.0	0.0	210.9	296.1	0.0	0.0	210.9	296.1	T1 <ST1> T1
80.000	0.00	0.00	6.78	35.88	0.0	0.0	217.7	332.0	0.0	0.0	217.7	332.0	T1 <ST1> T1
90.000	0.00	0.00	8.37	44.52	0.0	0.0	226.1	376.5	0.0	0.0	226.1	376.5	Estructura D2 <ST2> D2 Estructura
100.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	226.1	376.5	Estructura D2 <ST2> D2 Estructura
113.090	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	226.1	376.5	Estructura D2 <ST2> D2 Estructura
120.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	226.1	376.5	Estructura D2 <ST2> D2 Estructura
121.000	0.00	0.00	1.33	7.34	0.0	0.0	1.3	7.3	0.0	0.0	227.4	383.9	T1 <ST1> T1
140.000	0.00	0.00	60.05	286.22	0.0	0.0	61.4	293.6	0.0	0.0	287.4	670.1	T1 <ST1> T1
150.000	0.00	0.00	39.27	158.94	0.0	0.0	100.6	452.5	0.0	0.0	326.7	829.0	T1 <ST1> T1
150.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	326.7	829.0	Estructura D2 <ST2> D2 Estructura
160.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	326.7	829.0	Estructura D2 <ST2> D2 Estructura
180.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	326.7	829.0	Estructura D2 <ST2> D2 Estructura
200.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	326.7	829.0	Estructura D2 <ST2> D2 Estructura
220.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	326.7	829.0	Estructura D2 <ST2> D2 Estructura
240.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	326.7	829.0	Estructura D2 <ST2> D2 Estructura
260.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	326.7	829.0	Estructura D2 <ST2> D2 Estructura
270.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	326.7	829.0	Estructura D2 <ST2> D2 Estructura
270.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	326.7	829.0	T1 <ST1> T1
280.000	0.00	0.00	29.21	133.70	0.0	0.0	29.2	133.7	0.0	0.0	355.9	962.7	T1 <ST1> T1
299.000	0.00	0.00	44.81	230.98	0.0	0.0	74.0	364.7	0.0	0.0	400.7	1193.7	T1 <ST1> T1
300.000	0.00	0.00	2.14	11.32	0.0	0.0	76.2	376.0	0.0	0.0	402.9	1205.0	T1 <ST1> T1
309.990	0.00	0.00	19.69	103.33	0.0	0.0	95.9	479.3	0.0	0.0	422.6	1308.3	T1 <ST1> T1
310.000	0.00	0.00	0.02	0.09	0.0	0.0	95.9	479.4	0.0	0.0	422.6	1308.4	T1 <ST1> T1
320.000	0.00	0.00	15.85	80.05	0.0	0.0	111.7	559.5	0.0	0.0	438.4	1388.5	T1 <ST1> T1
326.689	0.00	0.00	7.79	49.41	0.0	0.0	119.5	608.9	0.0	0.0	446.2	1437.9	T1 <ST1> T1
330.000	0.00	0.00	2.93	23.33	0.0	0.0	122.5	632.2	0.0	0.0	449.2	1461.2	T1 <ST1> T1
339.001	1.26	0.00	3.58	59.24	1.3	0.0	126.0	691.5	1.3	0.0	452.7	1520.5	D1 C1 <ST1> T1
340.000	0.27	0.00	0.00	6.31	1.5	0.0	0.0	697.8	1.5	0.0	452.7	1526.8	D1 C1 <ST1> T1
360.000	2.68	0.00	0.00	110.28	4.2	0.0	0.0	808.0	4.2	0.0	452.7	1637.1	D1 C1 <ST1> T1
363.920	0.00	0.00	0.00	17.91	0.0	0.0	0.0	826.0	4.2	0.0	452.7	1655.0	D1 C1 <ST1> T1
370.000	0.00	0.00	0.00	27.06	0.0	0.0	0.0	853.0	4.2	0.0	452.7	1682.0	D1 C1 <ST1> T1
380.000	0.00	0.00	0.00	39.81	0.0	0.0	0.0	892.8	4.2	0.0	452.7	1721.8	D1 C1 <ST1> T1

400.000	0.00	0.00	2.94	53.82	0.0	0.0	2.9	946.6	4.2	0.0	455.7	1775.7	T1	<ST1>	T1
402.983	0.00	0.00	0.98	5.14	0.0	0.0	3.9	951.8	4.2	0.0	456.7	1780.8	T1	<ST1>	T1
409.990	0.00	0.00	10.33	10.08	0.0	0.0	14.2	961.9	4.2	0.0	467.0	1790.9	T1	<ST1>	T1
410.000	0.00	0.00	0.01	0.01	0.0	0.0	14.3	961.9	4.2	0.0	467.0	1790.9	D1	C1	<ST1> T1



Istram 23.01.01.13 29/05/23 11:09:17 200207

PROYECTO :

GRUPO : 3 : CAMINOS

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 11 : REPOSICIÓN C. PATERNA - PLA DEL POU (CPOL11_a1.vol)

pagi na 2

* * * S U P E R F I C I E S D E S I E M B R A * * *
* * * * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA						
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN				
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr			
420.000	0.00	0.00	0.00	9.43	0.0	0.0	0.0	971.3	4.2	0.0	467.0	1800.3	D1	C1	<ST1> T1
440.000	0.00	0.00	0.00	7.68	0.0	0.0	0.0	979.0	4.2	0.0	467.0	1808.0	T1	<ST1>	T1
460.000	0.00	0.00	0.00	2.36	0.0	0.0	0.0	981.4	4.2	0.0	467.0	1810.4	D1	C1	<ST1> T1
480.000	0.00	0.00	0.00	1.13	0.0	0.0	0.0	982.5	4.2	0.0	467.0	1811.5	D1	C1	<ST1> T1
500.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	4.2	0.0	467.0	1811.5	D1	C1	<ST1> C1 D1
520.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	4.2	0.0	467.0	1811.5	D1	C1	<ST1> C1 D1
523.204	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	4.2	0.0	467.0	1811.5	D1	C1	<ST1> C1 D1
540.000	0.00	0.03	0.00	0.00	0.0	0.0	0.0	0.0	4.2	0.0	467.0	1811.5	D1	C1	<ST1> C1 D1
560.000	0.38	3.42	0.00	0.00	0.4	3.4	0.0	0.0	4.6	3.4	467.0	1811.5	D1	C1	<ST1> C1 D1
562.266	0.09	0.98	0.00	0.00	0.5	4.4	0.0	0.0	4.7	4.4	467.0	1811.5	D1	C1	<ST1> C1 D1

Istram 23.01.01.13 24/05/23 17:23:54 200207
 PROYECTO :
 GRUPO : 3 : CAMINOS
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 12 : REPOSICIÓN AVDA. INDUSTRIA (CPOL12_a1.vol)

 * * * SUPERFICIES DE SIEMBRA * * *
 * * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA				
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
	I z	Dr	I z	Dr	I z	Dr	I z	Dr	I z	Dr	I z	Dr	
0.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> C1 D1
20.000	0.00	0.00	68.08	16.93	0.0	0.0	68.1	16.9	0.0	0.0	68.1	16.9	T1 <ST1> T1
40.000	0.00	0.00	85.99	89.84	0.0	0.0	154.1	106.8	0.0	0.0	154.1	106.8	T1 <ST1> T1
60.000	0.00	0.00	85.92	136.41	0.0	0.0	240.0	243.2	0.0	0.0	240.0	243.2	T1 <ST1> T1
80.000	0.00	0.00	86.12	123.87	0.0	0.0	326.1	367.1	0.0	0.0	326.1	367.1	T1 <ST1> T1
80.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	326.1	367.1	Estructura D2 <ST2> D2 Estructura
100.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	326.1	367.1	Estructura D2 <ST2> D2 Estructura
120.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	326.1	367.1	Estructura D2 <ST2> D2 Estructura
140.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	326.1	367.1	Estructura D2 <ST2> D2 Estructura
160.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	326.1	367.1	Estructura D2 <ST2> D2 Estructura
180.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	326.1	367.1	Estructura D2 <ST2> D2 Estructura
190.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	326.1	367.1	Estructura D2 <ST2> D2 Estructura
200.000	0.00	0.00	47.21	47.96	0.0	0.0	47.2	48.0	0.0	0.0	373.3	415.0	T1 <ST1> T1
220.000	0.00	0.00	166.82	187.32	0.0	0.0	214.0	235.3	0.0	0.0	540.1	602.3	T1 <ST1> T1
240.000	0.00	0.00	140.57	195.91	0.0	0.0	354.6	431.2	0.0	0.0	680.7	798.2	T1 <ST1> T1
260.000	0.00	0.00	106.88	151.75	0.0	0.0	461.5	582.9	0.0	0.0	787.6	950.0	T1 <ST1> T1
280.000	0.00	0.00	63.64	53.97	0.0	0.0	525.1	636.9	0.0	0.0	851.2	1004.0	T1 <ST1> T1
287.656	0.00	0.00	15.30	4.25	0.0	0.0	540.4	641.2	0.0	0.0	866.5	1008.2	T1 <ST1> T1



Istram 23.01.01.13 24/05/23 17:23:54 200207

PROYECTO :
GRUPO : 3 : CAMINOS
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 13 : REPOSICIÓN Cº LA CANYADA (CPOL13_a1.vol)

* * * S U P E R F I C I E S D E S I E M B R A * * *
* * * * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA				
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	
0.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
10.000	0.00	0.00	2.89	12.30	0.0	0.0	2.9	12.3	0.0	0.0	2.9	12.3	D1 C1 <ST1> T1
18.737	0.00	0.00	0.23	4.76	0.0	0.0	3.1	17.1	0.0	0.0	3.1	17.1	T1 <ST1> T1
20.000	0.00	0.00	0.03	0.16	0.0	0.0	3.1	17.2	0.0	0.0	3.1	17.2	D1 C1 <ST1> C1 D1
30.000	0.12	1.77	0.00	0.00	0.1	1.8	0.0	0.0	0.1	1.8	3.1	17.2	D1 C1 <ST1> C1 D1
40.000	3.14	5.33	0.00	0.00	3.3	7.1	0.0	0.0	3.3	7.1	3.1	17.2	D1 C1 <ST1> C1 D1
40.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	3.3	7.1	3.1	17.2	Estructura D2 <ST2> D2 Estructura
50.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	3.3	7.1	3.1	17.2	Estructura D2 <ST2> D2 Estructura
51.464	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	3.3	7.1	3.1	17.2	Estructura D2 <ST2> D2 Estructura
60.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	3.3	7.1	3.1	17.2	Estructura D2 <ST2> D2 Estructura
80.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	3.3	7.1	3.1	17.2	Estructura D2 <ST2> D2 Estructura
100.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	3.3	7.1	3.1	17.2	Estructura D2 <ST2> D2 Estructura
120.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	3.3	7.1	3.1	17.2	Estructura D2 <ST2> D2 Estructura
140.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	3.3	7.1	3.1	17.2	Estructura D2 <ST2> D2 Estructura
155.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	3.3	7.1	3.1	17.2	Estructura D2 <ST2> D2 Estructura
160.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	3.3	7.1	3.1	17.2	Estructura D2 <ST2> D2 Estructura
160.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	3.3	7.1	3.1	17.2	D1 C1 <ST1> C1 D1
180.000	3.58	29.26	0.00	0.00	3.6	29.3	0.0	0.0	6.8	36.4	3.1	17.2	D1 C1 <ST1> C1 D1
200.000	0.01	15.47	2.50	0.00	3.6	44.7	2.5	0.0	6.8	51.8	5.6	17.2	T1 <ST1> C1 D1
206.646	0.00	1.92	2.41	0.00	0.0	46.6	4.9	0.0	6.8	53.7	8.0	17.2	T1 <ST1> C1 D1



Istram 22.08.08.11 05/12/22 13:24:55 200207

PROYECTO :
GRUPO : 3 : CAMINOS
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 14 : REPOSICIÓN Cº LA CANYADA BOCA SALIDA (ISPOL14.vol)

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* * * S U P E R F I C I E S D E S I E M B R A * * *

* * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA				
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
	I z	Dr	I z	Dr	I z	Dr	I z	Dr	I z	Dr	I z	Dr	
0.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
0.017	0.00	0.00	0.00	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
1.421	0.00	0.00	0.00	1.00	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	D1 C1 <ST1> T1
2.000	0.00	0.00	0.00	0.39	0.0	0.0	0.0	1.4	0.0	0.0	0.0	1.4	D1 C1 <ST1> T1
4.000	0.00	0.00	0.00	1.32	0.0	0.0	0.0	2.7	0.0	0.0	0.0	2.7	D1 C1 <ST1> T1
6.000	0.00	0.00	0.00	1.41	0.0	0.0	0.0	4.1	0.0	0.0	0.0	4.1	D1 C1 <ST1> T1
8.000	0.00	0.00	0.00	1.61	0.0	0.0	0.0	5.7	0.0	0.0	0.0	5.7	T1 <ST1> T1
10.000	0.00	0.00	0.00	1.85	0.0	0.0	0.0	7.6	0.0	0.0	0.0	7.6	T1 <ST1> T1
12.000	0.00	0.00	0.00	2.09	0.0	0.0	0.0	9.7	0.0	0.0	0.0	9.7	T1 <ST1> T1
12.549	0.00	0.00	0.00	0.61	0.0	0.0	0.0	10.3	0.0	0.0	0.0	10.3	T1 <ST1> T1
14.000	0.00	0.00	0.00	1.71	0.0	0.0	0.0	12.0	0.0	0.0	0.0	12.0	T1 <ST1> T1
16.000	0.00	0.00	0.00	2.56	0.0	0.0	0.0	14.6	0.0	0.0	0.0	14.6	T1 <ST1> T1
18.000	0.00	0.00	0.00	2.82	0.0	0.0	0.0	17.4	0.0	0.0	0.0	17.4	T1 <ST1> T1
18.316	0.00	0.00	0.00	0.47	0.0	0.0	0.0	17.9	0.0	0.0	0.0	17.9	T1 <ST1> T1
20.000	0.00	0.00	0.00	2.61	0.0	0.0	0.0	20.5	0.0	0.0	0.0	20.5	T1 <ST1> T1
26.567	0.00	0.00	0.00	11.49	0.0	0.0	0.0	32.0	0.0	0.0	0.0	32.0	T1 <ST1> T1
30.000	0.00	0.00	0.00	6.65	0.0	0.0	0.0	38.6	0.0	0.0	0.0	38.6	T1 <ST1> T1
34.968	0.00	0.00	0.00	8.99	0.0	0.0	0.0	47.6	0.0	0.0	0.0	47.6	T1 <ST1> T1



Istram 22.08.08.11 05/12/22 13:24:55 200207

PROYECTO :
GRUPO : 3 : CAMINOS
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 15 : REPOSICIÓN C° LA CANYADA BOCA ENTRADA (ISPOL15.vol)

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* * * SUPERFICIES DE SIEMBRA * * *
* * * * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA							
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN					
	I z	Dr	I z	Dr	I z	Dr	I z	Dr	I z	Dr	I z	Dr				
0.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1	<ST1>	T1
1.086	0.00	0.00	0.00	0.89	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	T1	<ST1>	T1
2.652	0.00	0.00	0.00	1.36	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.3	T1	<ST1>	T1
5.000	0.00	0.00	0.00	1.96	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	4.2	T1	<ST1>	T1
10.000	0.00	0.00	0.00	3.86	0.0	0.0	0.0	8.1	0.0	0.0	0.0	0.0	8.1	T1	<ST1>	T1
15.000	0.00	0.00	0.00	4.25	0.0	0.0	0.0	12.3	0.0	0.0	0.0	0.0	12.3	T1	<ST1>	T1
19.378	0.00	0.00	0.00	3.99	0.0	0.0	0.0	16.3	0.0	0.0	0.0	0.0	16.3	T1	<ST1>	T1
20.000	0.00	0.00	0.00	0.52	0.0	0.0	0.0	16.8	0.0	0.0	0.0	0.0	16.8	T1	<ST1>	T1
22.000	0.00	0.00	0.00	1.52	0.0	0.0	0.0	18.3	0.0	0.0	0.0	0.0	18.3	T1	<ST1>	T1
22.652	0.00	0.00	0.00	0.43	0.0	0.0	0.0	18.8	0.0	0.0	0.0	0.0	18.8	T1	<ST1>	T1
24.000	0.00	0.00	0.00	0.78	0.0	0.0	0.0	19.6	0.0	0.0	0.0	0.0	19.6	T1	<ST1>	T1
26.000	0.00	0.00	0.00	1.09	0.0	0.0	0.0	20.7	0.0	0.0	0.0	0.0	20.7	T1	<ST1>	T1
26.086	0.00	0.00	0.00	0.05	0.0	0.0	0.0	20.7	0.0	0.0	0.0	0.0	20.7	T1	<ST1>	T1
28.000	0.00	0.00	0.00	0.91	0.0	0.0	0.0	21.6	0.0	0.0	0.0	0.0	21.6	T1	<ST1>	T1
30.000	0.00	0.00	0.00	0.76	0.0	0.0	0.0	22.4	0.0	0.0	0.0	0.0	22.4	T1	<ST1>	T1
32.000	0.00	0.00	0.00	0.66	0.0	0.0	0.0	23.0	0.0	0.0	0.0	0.0	23.0	T1	<ST1>	T1
32.896	0.00	0.00	0.00	0.24	0.0	0.0	0.0	23.3	0.0	0.0	0.0	0.0	23.3	T1	<ST1>	T1
32.998	0.00	0.00	0.00	0.03	0.0	0.0	0.0	23.3	0.0	0.0	0.0	0.0	23.3	T1	<ST1>	T1
34.000	0.00	0.00	0.00	0.23	0.0	0.0	0.0	23.5	0.0	0.0	0.0	0.0	23.5	T1	<ST1>	T1
36.000	0.00	0.00	0.00	0.21	0.0	0.0	0.0	23.7	0.0	0.0	0.0	0.0	23.7	T1	<ST1>	C1 D1
38.000	0.00	0.00	0.00	0.27	0.0	0.0	0.0	24.0	0.0	0.0	0.0	0.0	24.0	T1	<ST1>	T1
40.000	0.00	0.00	0.00	0.53	0.0	0.0	0.0	24.5	0.0	0.0	0.0	0.0	24.5	T1	<ST1>	T1
42.000	0.00	0.00	0.00	0.54	0.0	0.0	0.0	25.1	0.0	0.0	0.0	0.0	25.1	T1	<ST1>	T1
42.652	0.00	0.00	0.00	0.19	0.0	0.0	0.0	25.3	0.0	0.0	0.0	0.0	25.3	T1	<ST1>	T1
44.000	0.00	0.00	0.00	0.39	0.0	0.0	0.0	25.7	0.0	0.0	0.0	0.0	25.7	T1	<ST1>	T1
45.690	0.00	0.00	0.00	0.23	0.0	0.0	0.0	25.9	0.0	0.0	0.0	0.0	25.9	T1	<ST1>	C1 D1
46.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.9	T1	<ST1>	C1 D1
48.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.9	T1	<ST1>	C1 D1
48.590	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.9	T1	<ST1>	C1 D1



Istram 22.08.08.11 05/12/22 13:24:56 200207

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PROYECTO :
GRUPO : 2 : ENLACE CV35
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 17 : RAMAL CV-35 (V) - C.L.D. (CPOL17_a1.vol)

* * * S U P E R F I C I E S D E S I E M B R A * * *
* * * * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA								
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN						
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr					
0.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1
0.984	0.84	0.00	0.00	0.74	0.8	0.0	0.0	0.7	0.8	0.0	0.0	0.7	0.8	D1	C1	<ST1>	T1
2.000	1.69	0.00	0.00	0.79	2.5	0.0	0.0	1.5	2.5	0.0	0.0	1.5	2.5	D1	C1	<ST1>	T1
4.000	2.64	0.00	0.00	1.47	5.2	0.0	0.0	3.0	5.2	0.0	0.0	3.0	5.2	D1	C1	<ST1>	T1
6.000	1.04	0.00	0.00	1.32	6.2	0.0	0.0	4.3	6.2	0.0	0.0	4.3	6.2	D1	C1	<ST1>	T1
8.000	0.00	0.00	0.00	1.33	0.0	0.0	0.0	5.6	6.2	0.0	0.0	5.6	6.2	D1	C1	<ST1>	T1
10.000	0.00	0.00	0.00	1.34	0.0	0.0	0.0	7.0	6.2	0.0	0.0	7.0	6.2	D1	C1	<ST1>	T1
12.000	0.00	0.00	0.00	1.18	0.0	0.0	0.0	8.2	6.2	0.0	0.0	8.2	6.2	T1	<ST1>	T1	
14.000	0.00	0.00	0.00	0.86	0.0	0.0	0.0	9.0	6.2	0.0	0.0	9.0	6.2	T1	<ST1>	T1	
16.000	0.00	0.00	0.00	0.80	0.0	0.0	0.0	9.8	6.2	0.0	0.0	9.8	6.2	T1	<ST1>	T1	
18.000	0.00	0.00	0.00	1.17	0.0	0.0	0.0	11.0	6.2	0.0	0.0	11.0	6.2	T1	<ST1>	T1	
20.000	0.00	0.00	0.00	1.37	0.0	0.0	0.0	12.4	6.2	0.0	0.0	12.4	6.2	T1	<ST1>	T1	
22.000	0.00	0.00	0.00	1.37	0.0	0.0	0.0	13.7	6.2	0.0	0.0	13.7	6.2	T1	<ST1>	T1	
24.000	0.00	0.00	0.00	1.34	0.0	0.0	0.0	15.1	6.2	0.0	0.0	15.1	6.2	T1	<ST1>	T1	
26.000	0.00	0.00	0.00	1.17	0.0	0.0	0.0	16.3	6.2	0.0	0.0	16.3	6.2	D1	C1	<ST1>	T1
28.000	0.00	0.00	0.00	1.08	0.0	0.0	0.0	17.3	6.2	0.0	0.0	17.3	6.2	D1	C1	<ST1>	T1
30.000	0.00	0.00	0.00	1.41	0.0	0.0	0.0	18.8	6.2	0.0	0.0	18.8	6.2	D1	C1	<ST1>	T1
32.000	0.00	0.00	0.00	2.19	0.0	0.0	0.0	20.9	6.2	0.0	0.0	20.9	6.2	D1	C1	<ST1>	T1
34.000	0.00	0.00	0.00	3.41	0.0	0.0	0.0	24.3	6.2	0.0	0.0	24.3	6.2	D1	C1	<ST1>	T1
36.000	0.00	0.00	0.00	5.02	0.0	0.0	0.0	29.4	6.2	0.0	0.0	29.4	6.2	D1	C1	<ST1>	T1
38.000	0.00	0.00	0.00	6.61	0.0	0.0	0.0	36.0	6.2	0.0	0.0	36.0	6.2	T1	<ST1>	T1	
40.000	0.00	0.00	0.00	8.13	0.0	0.0	0.0	44.1	6.2	0.0	0.0	44.1	6.2	T1	<ST1>	T1	
42.000	0.00	0.00	0.00	9.76	0.0	0.0	0.0	53.9	6.2	0.0	0.0	53.9	6.2	T1	<ST1>	T1	
44.000	0.00	0.00	0.00	11.36	0.0	0.0	0.0	65.2	6.2	0.0	0.0	65.2	6.2	T1	<ST1>	T1	
46.000	0.00	0.00	0.00	12.52	0.0	0.0	0.0	77.7	6.2	0.0	0.0	77.7	6.2	T1	<ST1>	T1	
48.000	0.00	0.00	0.00	13.36	0.0	0.0	0.0	91.1	6.2	0.0	0.0	91.1	6.2	T1	<ST1>	T1	
50.000	0.00	0.00	0.00	14.18	0.0	0.0	0.0	105.3	6.2	0.0	0.0	105.3	6.2	T1	<ST1>	T1	
52.000	0.00	0.00	0.00	15.05	0.0	0.0	0.0	120.3	6.2	0.0	0.0	120.3	6.2	T1	<ST1>	T1	
54.000	0.00	0.00	0.00	16.12	0.0	0.0	0.0	136.4	6.2	0.0	0.0	136.4	6.2	T1	<ST1>	T1	
56.000	0.00	0.00	0.00	17.52	0.0	0.0	0.0	154.0	6.2	0.0	0.0	154.0	6.2	T1	<ST1>	T1	
58.000	0.00	0.00	0.00	18.95	0.0	0.0	0.0	172.9	6.2	0.0	0.0	172.9	6.2	T1	<ST1>	T1	
60.000	0.00	0.00	0.00	20.26	0.0	0.0	0.0	193.2	6.2	0.0	0.0	193.2	6.2	T1	<ST1>	T1	
60.558	0.00	0.00	0.00	5.89	0.0	0.0	0.0	199.1	6.2	0.0	0.0	199.1	6.2	T1	<ST1>	T1	
62.000	0.00	0.00	0.06	15.73	0.0	0.0	0.1	214.8	6.2	0.0	0.1	214.8	6.2	T1	<ST1>	T1	
64.000	0.00	0.00	0.25	23.05	0.0	0.0	0.3	237.8	6.2	0.0	0.3	237.8	6.2	T1	<ST1>	T1	
66.000	0.00	0.00	0.47	24.28	0.0	0.0	0.8	262.1	6.2	0.0	0.8	262.1	6.2	T1	<ST1>	T1	
68.000	0.00	0.00	0.72	25.30	0.0	0.0	1.5	287.4	6.2	0.0	1.5	287.4	6.2	T1	<ST1>	T1	

70.000	0.00	0.00	1.00	26.31	0.0	0.0	2.5	313.7	6.2	0.0	2.5	313.7	T1	<ST1>	T1
72.000	0.00	0.00	1.33	27.24	0.0	0.0	3.8	341.0	6.2	0.0	3.8	341.0	T1	<ST1>	T1
74.000	0.00	0.00	1.74	28.03	0.0	0.0	5.6	369.0	6.2	0.0	5.6	369.0	T1	<ST1>	T1
76.000	0.00	0.00	2.19	28.73	0.0	0.0	7.8	397.7	6.2	0.0	7.8	397.7	T1	<ST1>	T1
78.000	0.00	0.00	2.60	29.41	0.0	0.0	10.4	427.1	6.2	0.0	10.4	427.1	T1	<ST1>	T1



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PROYECTO :
GRUPO : 2 : ENLACE CV35
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 17 : RAMAL CV-35 (V) - C.L.D. (CPOL17_a1.vol)

pagi na 1

* * * S U P E R F I C I E S D E S I E M B R A * * *

* * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA						
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN				
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr			
78.882	0.00	0.00	1.27	13.19	0.0	0.0	11.6	440.3	6.2	0.0	11.6	440.3	T1	<ST1>	T1
80.000	0.00	0.00	1.71	16.97	0.0	0.0	13.4	457.3	6.2	0.0	13.4	457.3	T1	<ST1>	T1
82.000	0.00	0.00	3.34	31.39	0.0	0.0	16.7	488.7	6.2	0.0	16.7	488.7	T1	<ST1>	T1
84.000	0.00	0.00	3.68	32.42	0.0	0.0	20.4	521.1	6.2	0.0	20.4	521.1	T1	<ST1>	T1
86.000	0.00	0.00	4.00	32.92	0.0	0.0	24.4	554.0	6.2	0.0	24.4	554.0	T1	<ST1>	T1
88.000	0.00	0.00	4.29	33.38	0.0	0.0	28.7	587.4	6.2	0.0	28.7	587.4	T1	<ST1>	T1
90.000	0.00	0.00	4.56	34.09	0.0	0.0	33.2	621.5	6.2	0.0	33.2	621.5	T1	<ST1>	T1
92.000	0.00	0.00	4.81	35.23	0.0	0.0	38.0	656.7	6.2	0.0	38.0	656.7	T1	<ST1>	T1
94.000	0.00	0.00	5.09	36.18	0.0	0.0	43.1	692.9	6.2	0.0	43.1	692.9	T1	<ST1>	T1
96.000	0.00	0.00	5.35	37.51	0.0	0.0	48.5	730.4	6.2	0.0	48.5	730.4	T1	<ST1>	T1
98.000	0.00	0.00	5.58	40.66	0.0	0.0	54.0	771.1	6.2	0.0	54.0	771.1	T1	<ST1>	T1
98.882	0.00	0.00	2.52	19.02	0.0	0.0	56.6	790.1	6.2	0.0	56.6	790.1	T1	<ST1>	T1
99.600	0.00	0.00	2.08	15.56	0.0	0.0	58.6	805.7	6.2	0.0	58.6	805.7	T1	<ST1>	T1
100.000	0.00	0.00	1.17	8.61	0.0	0.0	59.8	814.3	6.2	0.0	59.8	814.3	T1	<ST1>	T1
105.549	0.00	0.00	16.59	114.05	0.0	0.0	76.4	928.3	6.2	0.0	76.4	928.3	T1	<ST1>	T1
113.404	0.00	0.00	23.83	148.04	0.0	0.0	100.2	1076.4	6.2	0.0	100.2	1076.4	T1	<ST1>	T1
118.882	0.00	0.00	16.30	94.98	0.0	0.0	116.5	1171.4	6.2	0.0	116.5	1171.4	T1	<ST1>	T1
120.000	0.00	0.00	3.48	18.54	0.0	0.0	120.0	1189.9	6.2	0.0	120.0	1189.9	T1	<ST1>	T1
130.000	0.00	0.00	34.62	153.81	0.0	0.0	154.6	1343.7	6.2	0.0	154.6	1343.7	T1	<ST1>	T1
135.000	0.00	0.00	9.09	35.52	0.0	0.0	163.7	1379.2	6.2	0.0	163.7	1379.2	Estructura D2	<ST2>	D2 Estructura
140.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	6.2	0.0	163.7	1379.2	Estructura D2	<ST2>	D2 Estructura
160.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	6.2	0.0	163.7	1379.2	Estructura D2	<ST2>	D2 Estructura
180.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	6.2	0.0	163.7	1379.2	Estructura D2	<ST2>	D2 Estructura
190.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	6.2	0.0	163.7	1379.2	Estructura D2	<ST2>	D2 Estructura
195.000	0.00	0.00	3.14	27.03	0.0	0.0	3.1	27.0	6.2	0.0	166.9	1406.3	T1	<ST1>	T1
200.000	0.00	0.00	3.70	53.20	0.0	0.0	6.8	80.2	6.2	0.0	170.6	1459.5	T1	<ST1>	T1
202.208	0.00	0.00	0.24	22.87	0.0	0.0	7.1	103.1	6.2	0.0	170.8	1482.3	T1	<ST1>	T1
209.310	0.00	0.00	0.00	74.80	0.0	0.0	0.0	177.9	6.2	0.0	170.8	1557.1	T1	<ST1>	T1
210.000	0.00	0.00	0.00	7.45	0.0	0.0	0.0	185.3	6.2	0.0	170.8	1564.6	T1	<ST1>	T1
214.458	0.00	0.00	0.00	47.46	0.0	0.0	0.0	232.8	6.2	0.0	170.8	1612.0	T1	<ST1>	T1
217.061	0.00	0.00	0.00	27.19	0.0	0.0	0.0	260.0	6.2	0.0	170.8	1639.2	T1	<ST1>	T1
220.000	0.00	0.00	0.00	30.25	0.0	0.0	0.0	290.2	6.2	0.0	170.8	1669.5	T1	<ST1>	T1

221.241	0.00	0.00	0.00	12.63	0.0	0.0	0.0	302.9	6.2	0.0	170.8	1682.1	T1	<ST1>	T1
229.544	0.00	0.00	0.00	78.92	0.0	0.0	0.0	381.8	6.2	0.0	170.8	1761.0	T1	<ST1>	T1
230.000	0.00	0.00	0.00	4.04	0.0	0.0	0.0	385.8	6.2	0.0	170.8	1765.1	T1	<ST1>	T1
231.053	0.00	0.00	0.00	9.29	0.0	0.0	0.0	395.1	6.2	0.0	170.8	1774.4	D1	C1	<ST1> T1
232.061	0.00	0.00	0.00	8.86	0.0	0.0	0.0	404.0	6.2	0.0	170.8	1783.2	D1	C1	<ST1> T1
232.536	0.00	0.00	0.00	4.16	0.0	0.0	0.0	408.1	6.2	0.0	170.8	1787.4	D1	C1	<ST1> T1
233.491	0.00	0.00	0.00	8.34	0.0	0.0	0.0	416.5	6.2	0.0	170.8	1795.7	D1	C1	<ST1> T1
234.005	0.00	0.00	0.00	4.47	0.0	0.0	0.0	421.0	6.2	0.0	170.8	1800.2	D1	C1	<ST1> T1
235.753	0.00	0.00	0.00	15.15	0.0	0.0	0.0	436.1	6.2	0.0	170.8	1815.3	D1	C1	<ST1> T1
237.516	0.00	0.00	0.00	15.19	0.0	0.0	0.0	451.3	6.2	0.0	170.8	1830.5	D1	C1	<ST1> T1



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PROYECTO :
GRUPO : 2 : ENLACE CV35
C. R. S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 17 : RAMAL CV-35 (V) - C. L. D. (CPOL17_a1.vol)

pagi na 2

* * * S U P E R F I C I E S D E S I E M B R A * * *

* * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA						
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN				
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr			
239.315	0.00	0.00	0.00	14.60	0.0	0.0	0.0	465.9	6.2	0.0	170.8	1845.1	D1	C1	<ST1> T1
240.000	0.00	0.00	0.00	5.06	0.0	0.0	0.0	471.0	6.2	0.0	170.8	1850.2	D1	C1	<ST1> T1
241.173	0.00	0.00	0.00	4.39	0.0	0.0	0.0	475.3	6.2	0.0	170.8	1854.6	D1	C1	<ST1> T1
243.127	0.00	0.00	0.00	0.33	0.0	0.0	0.0	475.7	6.2	0.0	170.8	1854.9	D1	C1	<ST1> T1
245.230	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	6.2	0.0	170.8	1854.9	D1	C1	<ST1> T1
245.741	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	6.2	0.0	170.8	1854.9	D1	C1	<ST1> T1
246.504	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	6.2	0.0	170.8	1854.9	D1	C1	<ST1> T1
247.061	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	6.2	0.0	170.8	1854.9	D1	C1	<ST1> T1
247.882	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	6.2	0.0	170.8	1854.9	D1	C1	<ST1> C1 D1
249.310	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	6.2	0.0	170.8	1854.9	D1	C1	<ST1> C1 D1
249.398	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	6.2	0.0	170.8	1854.9	D1	C1	<ST1> C1 D1
250.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	6.2	0.0	170.8	1854.9	D1	C1	<ST1> C1 D1
251.099	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	6.2	0.0	170.8	1854.9	D1	C1	<ST1> C1 D1
252.982	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	6.2	0.0	170.8	1854.9	D1	C1	<ST1> C1 D1
254.873	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	6.2	0.0	170.8	1854.9	D1	C1	<ST1> C1 D1
256.770	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	6.2	0.0	170.8	1854.9	D1	C1	<ST1> C1 D1
257.141	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	6.2	0.0	170.8	1854.9	D1	C1	<ST1> C1 D1
258.676	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	6.2	0.0	170.8	1854.9	D1	C1	<ST1> C1 D1
260.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	6.2	0.0	170.8	1854.9	D1	C1	<ST1> C1 D1
260.596	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	6.2	0.0	170.8	1854.9	D1	C1	<ST1> C1 D1
262.529	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	6.2	0.0	170.8	1854.9	T1	<ST1>	C1 D1
264.473	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	6.2	0.0	170.8	1854.9	T1	<ST1>	C1 D1
266.428	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	6.2	0.0	170.8	1854.9	T1	<ST1>	C1 D1
268.395	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	6.2	0.0	170.8	1854.9	T1	<ST1>	C1 D1
269.391	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	6.2	0.0	170.8	1854.9	T1	<ST1>	C1 D1



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PROYECTO :
GRUPO : 1 : CALZADAS LATERALES
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 18 : CALZADA LATERAL DERECHA (CPOL18_a1.vol)

* * * S U P E R F I C I E S D E S I E M B R A * * *
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P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA				
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	
0.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> C1 D1
20.000	0.00	0.00	21.21	4.03	0.0	0.0	21.2	4.0	0.0	0.0	21.2	4.0	T1 <ST1> T1
40.000	0.00	0.00	37.11	30.84	0.0	0.0	58.3	34.9	0.0	0.0	58.3	34.9	T1 <ST1> T1
45.271	0.00	0.00	11.19	15.28	0.0	0.0	69.5	50.1	0.0	0.0	69.5	50.1	T1 <ST1> T1
58.552	0.00	0.00	27.73	47.55	0.0	0.0	97.3	97.7	0.0	0.0	97.3	97.7	T1 <ST1> T1
60.000	0.00	0.00	2.80	5.85	0.0	0.0	100.1	103.5	0.0	0.0	100.1	103.5	T1 <ST1> T1
80.000	0.00	0.00	33.45	62.20	0.0	0.0	133.5	165.7	0.0	0.0	133.5	165.7	T1 <ST1> T1
85.096	0.00	0.00	7.31	11.01	0.0	0.0	140.8	176.8	0.0	0.0	140.8	176.8	T1 <ST1> T1
95.271	0.00	0.00	14.64	16.82	0.0	0.0	155.4	193.6	0.0	0.0	155.4	193.6	T1 <ST1> T1
100.000	0.00	0.00	6.74	4.75	0.0	0.0	162.2	198.3	0.0	0.0	162.2	198.3	T1 <ST1> T1
120.000	0.00	0.00	27.35	8.45	0.0	0.0	189.5	206.8	0.0	0.0	189.5	206.8	T1 <ST1> T1
140.000	0.00	0.00	21.72	0.00	0.0	0.0	211.3	0.0	0.0	0.0	211.3	206.8	T1 <ST1> T1
145.271	0.00	0.00	4.14	0.00	0.0	0.0	215.4	0.0	0.0	0.0	215.4	206.8	T1 <ST1> T1
160.000	0.00	0.00	8.41	0.00	0.0	0.0	223.8	0.0	0.0	0.0	223.8	206.8	T1 <ST1> C1 D1
180.000	0.00	0.00	4.13	8.52	0.0	0.0	227.9	8.5	0.0	0.0	227.9	215.3	T1 <ST1> T1
200.000	0.00	0.00	0.00	8.52	0.0	0.0	0.0	17.0	0.0	0.0	227.9	223.8	T1 <ST1> T1
220.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	227.9	223.8	T1 <ST1> T1
240.000	0.00	0.00	0.00	5.73	0.0	0.0	0.0	5.7	0.0	0.0	227.9	229.6	T1 <ST1> T1
260.000	0.00	0.00	0.00	5.73	0.0	0.0	0.0	11.5	0.0	0.0	227.9	235.3	D1 C1 <ST1> C1 D1
275.377	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	227.9	235.3	T1 <ST1> C1 D1
280.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	227.9	235.3	D1 C1 <ST1> C1 D1
281.323	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	227.9	235.3	D1 C1 <ST1> C1 D1
300.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	227.9	235.3	D1 C1 <ST1> C1 D1
320.000	0.50	0.00	0.00	0.00	0.5	0.0	0.0	0.0	0.5	0.0	227.9	235.3	D1 C1 <ST1> C1 D1
322.279	0.06	0.00	0.00	0.00	0.6	0.0	0.0	0.0	0.6	0.0	227.9	235.3	D1 C1 <ST1> C1 D1
322.289	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.6	0.0	227.9	235.3	D1 C1 <ST1> C1 D1
325.377	0.14	1.38	0.00	0.00	0.1	1.4	0.0	0.0	0.7	1.4	227.9	235.3	D1 C1 <ST1> C1 D1
340.000	1.50	7.24	0.00	0.00	1.6	8.6	0.0	0.0	2.2	8.6	227.9	235.3	D1 C1 <ST1> C1 D1
360.000	3.70	10.01	0.00	0.00	5.3	18.6	0.0	0.0	5.9	18.6	227.9	235.3	D1 C1 <ST1> C1 D1
375.377	4.21	7.04	0.00	0.00	9.5	25.7	0.0	0.0	10.1	25.7	227.9	235.3	D1 C1 <ST1> C1 D1
380.000	1.41	2.02	0.00	0.00	11.0	27.7	0.0	0.0	11.5	27.7	227.9	235.3	D1 C1 <ST1> C1 D1
397.289	2.76	5.03	0.00	0.00	13.7	32.7	0.0	0.0	14.3	32.7	227.9	235.3	T1 <ST1> C1 D1
400.000	0.00	0.34	0.00	0.00	0.0	33.1	0.0	0.0	14.3	33.1	227.9	235.3	T1 <ST1> C1 D1
420.000	0.00	4.71	0.00	0.00	0.0	37.8	0.0	0.0	14.3	37.8	227.9	235.3	D1 C1 <ST1> C1 D1
440.000	0.00	30.41	0.00	0.00	0.0	68.2	0.0	0.0	14.3	68.2	227.9	235.3	T1 <ST1> C1 D1
452.702	0.00	16.96	0.00	0.00	0.0	85.1	0.0	0.0	14.3	85.1	227.9	235.3	T1 <ST1> C1 D1
457.289	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	14.3	85.1	227.9	235.3	T1 <ST1> C1 D1

460.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	14.3	85.1	227.9	235.3	T1	<ST1>	C1	D1
480.000	88.11	0.00	0.00	0.00	88.1	0.0	0.0	0.0	102.4	85.1	227.9	235.3	D1	C1	<ST1>	C1 D1
480.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	102.4	85.1	227.9	235.3	D1	C1	<ST1>	C1 D1
500.000	93.76	0.00	0.00	0.00	93.8	0.0	0.0	0.0	196.1	85.1	227.9	235.3	T1	<ST1>	C1	D1
500.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	196.1	85.1	227.9	235.3	T1	<ST1>	C1	D1



Istram 22.08.08.11 05/12/22 13:24:56 200207

PROYECTO :
GRUPO : 1 : CALZADAS LATERALES
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 18 : CALZADA LATERAL DERECHA (CPOL18_a1.vol)

pagi na 1

* * * S U P E R F I C I E S D E S I E M B R A * * *

* * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA							
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN					
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr				
520.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	196.1	85.1	227.9	235.3	T1	<ST1>	C1	D1
540.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	196.1	85.1	227.9	235.3	T1	<ST1>	C1	D1
560.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	196.1	85.1	227.9	235.3	D1	C1	<ST1>	C1 D1
580.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	196.1	85.1	227.9	235.3	D1	C1	<ST1>	C1 D1
600.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	196.1	85.1	227.9	235.3	D1	C1	<ST1>	C1 D1
620.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	196.1	85.1	227.9	235.3	D1	C1	<ST1>	C1 D1
638.689	2.40	0.00	0.00	0.00	2.4	0.0	0.0	0.0	198.5	85.1	227.9	235.3	D1	C1	<ST1>	C1 D1
640.000	0.38	0.00	0.00	0.00	2.8	0.0	0.0	0.0	198.9	85.1	227.9	235.3	D1	C1	<ST1>	C1 D1
646.845	2.52	0.00	0.00	0.00	5.3	0.0	0.0	0.0	201.4	85.1	227.9	235.3	D1	C1	<ST1>	C1 D1
646.855	0.00	0.00	0.00	0.00	5.3	0.0	0.0	0.0	201.5	85.1	227.9	235.3	D1	C1	<ST1>	C1 D1
656.689	5.67	0.00	0.00	0.00	11.0	0.0	0.0	0.0	207.1	85.1	227.9	235.3	D1	C1	<ST1>	C1 D1
660.000	2.48	0.00	0.00	0.00	13.5	0.0	0.0	0.0	209.6	85.1	227.9	235.3	D1	C1	<ST1>	C1 D1
680.000	19.45	0.00	0.00	0.00	32.9	0.0	0.0	0.0	229.1	85.1	227.9	235.3	D1	C1	<ST1>	C1 D1
686.855	8.13	0.00	0.00	0.00	41.0	0.0	0.0	0.0	237.2	85.1	227.9	235.3	D1	C1	<ST1>	C1 D1
700.000	15.23	0.00	0.00	0.00	56.3	0.0	0.0	0.0	252.4	85.1	227.9	235.3	D1	C1	<ST1>	C1 D1
707.314	9.44	0.00	0.00	0.00	65.7	0.0	0.0	0.0	261.9	85.1	227.9	235.3	D1	C1	<ST1>	C1 D1
720.000	24.82	0.00	0.00	0.00	90.5	0.0	0.0	0.0	286.7	85.1	227.9	235.3	D1	C1	<ST1>	C1 D1
739.910	57.33	0.00	0.00	0.00	147.9	0.0	0.0	0.0	344.0	85.1	227.9	235.3	D1	C1	<ST1>	C1 D1
740.000	0.30	0.00	0.00	0.00	148.2	0.0	0.0	0.0	344.3	85.1	227.9	235.3	D1	C1	<ST1>	C1 D1
746.855	24.61	0.00	0.00	0.00	172.8	0.0	0.0	0.0	368.9	85.1	227.9	235.3	D1	C1	<ST1>	C1 D1
760.000	58.65	0.00	0.00	0.00	231.4	0.0	0.0	0.0	427.6	85.1	227.9	235.3	D1	C1	<ST1>	C1 D1
780.000	111.57	0.00	0.00	0.00	343.0	0.0	0.0	0.0	539.1	85.1	227.9	235.3	D1	C1	<ST1>	C1 D1
790.535	70.78	0.00	0.00	0.00	413.8	0.0	0.0	0.0	609.9	85.1	227.9	235.3	D1	C1	<ST1>	C1 D1
800.000	73.31	0.00	0.00	0.00	487.1	0.0	0.0	0.0	683.2	85.1	227.9	235.3	D1	C1	<ST1>	C1 D1
820.000	180.86	0.00	0.00	0.00	667.9	0.0	0.0	0.0	864.1	85.1	227.9	235.3	D1	C1	<ST1>	C1 D1
840.000	211.05	0.00	0.00	0.00	879.0	0.0	0.0	0.0	1075.1	85.1	227.9	235.3	D1	C1	<ST1>	C1 D1
840.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1075.1	85.1	227.9	235.3	D2	C2	<ST2>	C2 D2
855.009	150.51	0.00	0.00	0.00	150.5	0.0	0.0	0.0	1225.6	85.1	227.9	235.3	D2	C2	<ST2>	C2 D2
860.000	47.88	0.00	0.00	0.00	198.4	0.0	0.0	0.0	1273.5	85.1	227.9	235.3	D2	C2	<ST2>	C2 D2
880.000	187.92	0.00	0.00	0.00	386.3	0.0	0.0	0.0	1461.4	85.1	227.9	235.3	D2	C2	<ST2>	C2 D2
880.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1461.4	85.1	227.9	235.3	D1	C1	<ST1>	C1 D1
900.000	181.92	0.00	0.00	0.00	181.9	0.0	0.0	0.0	1643.4	85.1	227.9	235.3	D1	C1	<ST1>	C1 D1

920.000	148.64	0.00	0.00	0.00	330.6	0.0	0.0	0.0	1792.0	85.1	227.9	235.3	D1	C1	<ST1>	C1	D1
940.000	123.55	0.00	0.00	0.00	454.1	0.0	0.0	0.0	1915.5	85.1	227.9	235.3	D1	C1	<ST1>	C1	D1
947.717	42.79	0.00	0.00	0.00	496.9	0.0	0.0	0.0	1958.3	85.1	227.9	235.3	D1	C1	<ST1>	C1	D1
960.000	59.11	0.00	0.00	0.00	556.0	0.0	0.0	0.0	2017.5	85.1	227.9	235.3	D1	C1	<ST1>	C1	D1
974.265	53.68	0.00	0.00	0.00	609.7	0.0	0.0	0.0	2071.1	85.1	227.9	235.3	D1	C1	<ST1>	C1	D1
980.000	19.05	0.00	0.00	0.00	628.7	0.0	0.0	0.0	2090.2	85.1	227.9	235.3	D1	C1	<ST1>	C1	D1
1000.000	46.20	0.00	0.00	0.00	674.9	0.0	0.0	0.0	2136.4	85.1	227.9	235.3	D1	C1	<ST1>	C1	D1
1012.190	13.30	0.00	0.00	0.00	688.2	0.0	0.0	0.0	2149.7	85.1	227.9	235.3	D1	C1	<ST1>	C1	D1
1020.000	5.29	0.00	0.00	0.00	693.5	0.0	0.0	0.0	2155.0	85.1	227.9	235.3	D1	C1	<ST1>	C1	D1
1024.265	2.28	0.00	0.00	0.00	695.8	0.0	0.0	0.0	2157.3	85.1	227.9	235.3	D1	C1	<ST1>	C1	D1



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pagi na 2

PROYECTO :
GRUPO : 1 : CALZADAS LATERALES
C. R. S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 18 : CALZADA LATERAL DERECHA (CPOL18_a1.vol)

* * * S U P E R F I C I E S D E S I E M B R A * * *
* * * * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA								
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN						
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr					
1040.000	3.95	0.00	0.00	0.00	699.8	0.0	0.0	0.0	2161.2	85.1	227.9	235.3	D1	C1	<ST1>	T1	
1060.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2161.2	85.1	227.9	235.3	T1	<ST1>	T1		
1074.265	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2161.2	85.1	227.9	235.3	T1	<ST1>	T1		
1080.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2161.2	85.1	227.9	235.3	T1	<ST1>	T1		
1080.023	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2161.2	85.1	227.9	235.3	T1	<ST1>	T1		
1080.033	0.00	0.00	0.01	0.00	0.0	0.0	0.0	0.0	2161.2	85.1	228.0	235.3	T1	<ST1>	T1		
1100.000	0.00	0.00	31.92	8.33	0.0	0.0	31.9	8.3	2161.2	85.1	259.9	243.6	T1	<ST1>	T1		
1120.000	0.00	0.00	22.81	19.50	0.0	0.0	54.7	27.8	2161.2	85.1	282.7	263.1	T1	<ST1>	T1		
1140.000	0.00	0.00	17.93	21.20	0.0	0.0	72.7	49.0	2161.2	85.1	300.6	284.3	T1	<ST1>	T1		
1149.778	0.00	0.00	8.32	9.46	0.0	0.0	81.0	58.5	2161.2	85.1	308.9	293.8	T1	<ST1>	T1		
1160.000	0.00	0.00	8.65	8.43	0.0	0.0	89.6	66.9	2161.2	85.1	317.6	302.2	T1	<ST1>	T1		
1180.000	0.00	0.00	18.33	12.52	0.0	0.0	108.0	79.4	2161.2	85.1	335.9	314.7	T1	<ST1>	T1		
1200.000	0.00	0.00	20.92	14.90	0.0	0.0	128.9	94.3	2161.2	85.1	356.8	329.6	T1	<ST1>	T1		
1207.560	0.00	0.00	8.41	7.47	0.0	0.0	137.3	101.8	2161.2	85.1	365.3	337.1	T1	<ST1>	T1		
1220.000	0.00	0.00	13.53	13.77	0.0	0.0	150.8	115.6	2161.2	85.1	378.8	350.9	T1	<ST1>	T1		
1220.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2161.2	85.1	378.8	350.9	T1	<ST1>	T1		
1227.305	0.00	0.00	7.51	11.30	0.0	0.0	7.5	11.3	2161.2	85.1	386.3	362.2	T1	<ST1>	T1		
1240.000	0.00	0.00	10.74	33.44	0.0	0.0	18.3	44.7	2161.2	85.1	397.0	395.6	T1	<ST1>	T1		
1260.000	0.00	0.00	8.36	87.07	0.0	0.0	26.6	131.8	2161.2	85.1	405.4	482.7	T1	<ST1>	T1		
1280.000	0.00	0.00	1.34	117.87	0.0	0.0	28.0	249.7	2161.2	85.1	406.7	600.5	T1	<ST1>	T1		
1285.086	0.00	0.00	0.00	32.94	0.0	0.0	0.0	282.6	2161.2	85.1	406.7	633.5	T1	<ST1>	T1		
1300.000	0.00	0.00	0.00	97.82	0.0	0.0	0.0	380.4	2161.2	85.1	406.7	731.3	T1	<ST1>	T1		
1310.086	0.00	0.00	0.00	69.29	0.0	0.0	0.0	449.7	2161.2	85.1	406.7	800.6	T1	<ST1>	T1		
1320.000	0.00	0.00	0.00	70.92	0.0	0.0	0.0	520.6	2161.2	85.1	406.7	871.5	T1	<ST1>	T1		
1340.000	0.00	0.00	0.00	146.96	0.0	0.0	0.0	667.6	2161.2	85.1	406.7	1018.5	T1	<ST1>	T1		
1360.000	0.00	0.00	0.00	142.52	0.0	0.0	0.0	810.1	2161.2	85.1	406.7	1161.0	T1	<ST1>	T1		
1380.000	0.00	0.00	0.00	126.85	0.0	0.0	0.0	937.0	2161.2	85.1	406.7	1287.8	T1	<ST1>	T1		

1400.000	0.00	0.00	0.00	85.31	0.0	0.0	0.0	1022.3	2161.2	85.1	406.7	1373.1	D1	C1	<ST1>	T1
1420.000	0.00	0.00	0.00	27.83	0.0	0.0	0.0	1050.1	2161.2	85.1	406.7	1401.0	D1	C1	<ST1>	T1
1436.559	0.00	0.00	0.00	1.64	0.0	0.0	0.0	1051.8	2161.2	85.1	406.7	1402.6	D1	C1	<ST1>	T1
1440.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2161.2	85.1	406.7	1402.6	D1	C1	<ST1>	T1
1460.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2161.2	85.1	406.7	1402.6	D1	C1	<ST1>	C1 D1
1461.559	0.00	0.13	0.00	0.00	0.0	0.1	0.0	0.0	2161.2	85.3	406.7	1402.6	D1	C1	<ST1>	C1 D1
1480.000	0.00	1.51	0.00	0.00	0.0	1.6	0.0	0.0	2161.2	86.8	406.7	1402.6	D1	C1	<ST1>	T1
1500.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2161.2	86.8	406.7	1402.6	D1	C1	<ST1>	T1
1501.005	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2161.2	86.8	406.7	1402.6	D1	C1	<ST1>	T1
1520.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2161.2	86.8	406.7	1402.6	D1	C1	<ST1>	T1
1528.212	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2161.2	86.8	406.7	1402.6	D1	C1	<ST1>	T1
1540.000	0.00	0.00	0.00	0.41	0.0	0.0	0.0	0.4	2161.2	86.8	406.7	1403.0	D1	C1	<ST1>	T1
1560.000	0.00	0.00	0.00	0.69	0.0	0.0	0.0	1.1	2161.2	86.8	406.7	1403.7	D1	C1	<ST1>	T1
1562.958	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2161.2	86.8	406.7	1403.7	D1	C1	<ST1>	T1



Istram 22.08.08.11 05/12/22 13:24:57 200207
PROYECTO :
GRUPO : 2 : ENLACE CV35
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 20 : RAMAL CV35(A) - CALZADA DERECHA (CPOL20_a1.vol)

pagina 0

* * * SUPERFICIES DE SIEMBRA * * *
* * * * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA									
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN							
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr						
0.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1	
20.000	8.91	0.00	0.00	0.00	8.9	0.0	0.0	0.0	8.9	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1	
40.000	2.58	0.00	0.00	0.00	11.5	0.0	0.0	0.0	11.5	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1	
44.301	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	11.5	0.0	0.0	0.0	0.0	T1	<ST1>	T1		
45.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	11.5	0.0	0.0	0.0	0.0	T1	<ST1>	T1		
50.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	11.5	0.0	0.0	0.0	0.0	T1	<ST1>	T1		
50.412	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	11.5	0.0	0.0	0.0	0.0	T1	<ST1>	T1		
55.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	11.5	0.0	0.0	0.0	0.0	T1	<ST1>	T1		
56.412	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	11.5	0.0	0.0	0.0	0.0	T1	<ST1>	T1		
60.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	11.5	0.0	0.0	0.0	0.0	T1	<ST1>	T1		
65.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	11.5	0.0	0.0	0.0	0.0	T1	<ST1>	T1		
70.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	11.5	0.0	0.0	0.0	0.0	T1	<ST1>	T1		
75.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	11.5	0.0	0.0	0.0	0.0	T1	<ST1>	T1		
79.810	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	11.5	0.0	0.0	0.0	0.0	T1	<ST1>	T1		
79.984	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	11.5	0.0	0.0	0.0	0.0	T1	<ST1>	T1		
80.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	11.5	0.0	0.0	0.0	0.0	T1	<ST1>	T1		
83.738	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	11.5	0.0	0.0	0.0	0.0	T1	<ST1>	T1		
85.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	11.5	0.0	0.0	0.0	0.0	T1	<ST1>	T1		
86.654	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	11.5	0.0	0.0	0.0	0.0	T1	<ST1>	T1		
90.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	11.5	0.0	0.0	0.0	0.0	T1	<ST1>	T1		
95.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	11.5	0.0	0.0	0.0	0.0	T1	<ST1>	T1		
100.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	11.5	0.0	0.0	0.0	0.0	T1	<ST1>	T1		
105.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	11.5	0.0	0.0	0.0	0.0	T1	<ST1>	T1		
108.738	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	11.5	0.0	0.0	0.0	0.0	T1	<ST1>	T1		
110.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	11.5	0.0	0.0	0.0	0.0	T1	<ST1>	T1		
111.064	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	11.5	0.0	0.0	0.0	0.0	T1	<ST1>	T1		
115.000	0.00	1.28	0.00	0.00	0.0	1.3	0.0	0.0	11.5	1.3	0.0	0.0	0.0	T1	<ST1>	C1	D1	
120.000	0.00	5.05	0.00	0.00	0.0	6.3	0.0	0.0	11.5	6.3	0.0	0.0	0.0	T1	<ST1>	C1	D1	
123.627	0.00	5.08	0.00	0.00	0.0	11.4	0.0	0.0	11.5	11.4	0.0	0.0	0.0	T1	<ST1>	C1	D1	
124.009	0.00	0.55	0.00	0.00	0.0	12.0	0.0	0.0	11.5	12.0	0.0	0.0	0.0	T1	<ST1>	C1	D1	
125.000	0.00	1.41	0.00	0.00	0.0	13.4	0.0	0.0	11.5	13.4	0.0	0.0	0.0	T1	<ST1>	C1	D1	
130.000	0.00	6.92	0.00	0.00	0.0	20.3	0.0	0.0	11.5	20.3	0.0	0.0	0.0	T1	<ST1>	C1	D1	
135.000	0.00	7.21	0.00	0.00	0.0	27.5	0.0	0.0	11.5	27.5	0.0	0.0	0.0	T1	<ST1>	C1	D1	
140.000	0.00	8.15	0.00	0.00	0.0	35.6	0.0	0.0	11.5	35.6	0.0	0.0	0.0	T1	<ST1>	C1	D1	
145.000	0.00	9.43	0.00	0.00	0.0	45.1	0.0	0.0	11.5	45.1	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
150.000	0.00	10.68	0.00	0.00	0.0	55.8	0.0	0.0	11.5	55.8	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
155.000	0.00	11.84	0.00	0.00	0.0	67.6	0.0	0.0	11.5	67.6	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1

160.000	0.16	13.18	0.00	0.00	0.2	80.8	0.0	0.0	11.7	80.8	0.0	0.0	D1	C1	<ST1>	C1	D1
164.209	1.16	12.25	0.00	0.00	1.3	93.0	0.0	0.0	12.8	93.0	0.0	0.0	D1	C1	<ST1>	C1	D1
164.210	0.00	0.00	0.00	0.00	1.3	93.0	0.0	0.0	12.8	93.0	0.0	0.0	D1	C1	<ST1>	C1	D1
165.000	0.89	2.41	0.00	0.00	2.2	95.4	0.0	0.0	13.7	95.4	0.0	0.0	D1	C1	<ST1>	C1	D1
165.960	0.00	2.95	0.00	0.00	0.0	98.4	0.0	0.0	13.7	98.4	0.0	0.0	D1	C1	<ST1>	C1	D1



Istram 22.08.08.11 05/12/22 13:24:57 200207

PROYECTO :
GRUPO : 2 : ENLACE CV35
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 20 : RAMAL CV35(A) - CALZADA DERECHA (CPOL20_a1.vol)

pagi na 1

* * * S U P E R F I C I E S D E S I E M B R A * * *

* * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA								
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN						
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr					
166.362	0.00	1.24	0.00	0.00	0.0	99.6	0.0	0.0	13.7	99.6	0.0	0.0	D1	C1	<ST1>	C1	D1
176.844	0.00	35.66	0.00	0.00	0.0	135.3	0.0	0.0	13.7	135.3	0.0	0.0	D1	C1	<ST1>	C1	D1
177.251	0.00	1.51	0.00	0.00	0.0	136.8	0.0	0.0	13.7	136.8	0.0	0.0	D1	C1	<ST1>	C1	D1
180.000	0.00	10.55	0.00	0.00	0.0	147.4	0.0	0.0	13.7	147.4	0.0	0.0	D1	C1	<ST1>	C1	D1
200.000	0.00	124.86	0.00	0.00	0.0	272.2	0.0	0.0	13.7	272.2	0.0	0.0	D1	C1	<ST1>	C1	D1
205.320	0.00	47.80	0.00	0.00	0.0	320.0	0.0	0.0	13.7	320.0	0.0	0.0	D1	C1	<ST1>	C1	D1
220.000	0.00	105.57	0.00	0.00	0.0	425.6	0.0	0.0	13.7	425.6	0.0	0.0	D1	C1	<ST1>	C1	D1
226.015	0.00	21.73	0.00	0.00	0.0	447.3	0.0	0.0	13.7	447.3	0.0	0.0	D1	C1	<ST1>	C1	D1
239.000	0.00	26.26	0.00	0.00	0.0	473.6	0.0	0.0	13.7	473.6	0.0	0.0	D1	C1	<ST1>	C1	D1
240.000	0.00	1.75	0.00	0.00	0.0	475.3	0.0	0.0	13.7	475.3	0.0	0.0	D1	C1-2	<ST1-2>	C1-2	D1
254.587	0.00	27.89	0.00	0.00	0.0	503.2	0.0	0.0	13.7	503.2	0.0	0.0	D1-2	C1-2	<ST1-2>	C1-2	D1-2
260.000	0.00	11.83	0.00	0.00	0.0	515.1	0.0	0.0	13.7	515.1	0.0	0.0	D1-2	C1-2	<ST1-2>	C1-2	D1-2
261.000	0.00	2.44	0.00	0.00	0.0	517.5	0.0	0.0	13.7	517.5	0.0	0.0	D2	C2	<ST2>	C2	D2
280.000	0.00	58.21	0.00	0.00	0.0	575.7	0.0	0.0	13.7	575.7	0.0	0.0	D2	C2	<ST2>	C2	D2 M
283.158	0.00	11.44	0.00	0.00	0.0	587.2	0.0	0.0	13.7	587.2	0.0	0.0	D2	C2	<ST2>	C2	D2 M
287.320	0.00	15.21	0.00	0.00	0.0	602.4	0.0	0.0	13.7	602.4	0.0	0.0	D2	C2	<ST2>	C2	D2 M
300.000	0.00	49.25	0.00	0.00	0.0	651.6	0.0	0.0	13.7	651.6	0.0	0.0	D2	C2	<ST2>	C2	D2 M
320.000	0.00	96.92	0.00	0.00	0.0	748.5	0.0	0.0	13.7	748.5	0.0	0.0	D2	C2	<ST2>	C2	D2 M
340.000	0.00	118.53	0.00	0.00	0.0	867.1	0.0	0.0	13.7	867.1	0.0	0.0	D2	C2	<ST2>	C2	D2 M
360.000	0.00	138.25	0.00	0.00	0.0	1005.3	0.0	0.0	13.7	1005.3	0.0	0.0	D2	C2	<ST2>	C2	D2 M
380.000	0.00	173.86	0.00	0.00	0.0	1179.2	0.0	0.0	13.7	1179.2	0.0	0.0	D2	C2	<ST2>	C2	D2 M
400.000	0.00	219.65	0.00	0.00	0.0	1398.8	0.0	0.0	13.7	1398.8	0.0	0.0	D2	C2	<ST2>	C2	D2 M
420.000	0.00	263.30	0.00	0.00	0.0	1662.1	0.0	0.0	13.7	1662.1	0.0	0.0	D2	C2	<ST2>	C2	D2 M
440.000	0.00	296.75	0.00	0.00	0.0	1958.9	0.0	0.0	13.7	1958.9	0.0	0.0	D2	C2	<ST2>	C2	D2 M
447.510	0.00	115.76	0.00	0.00	0.0	2074.6	0.0	0.0	13.7	2074.6	0.0	0.0	D2	C2	<ST2>	C2	D2 M
460.000	0.00	189.52	0.00	0.00	0.0	2264.1	0.0	0.0	13.7	2264.1	0.0	0.0	D2	C2	<ST2>	C2	D2 M
480.000	0.00	296.95	0.00	0.00	0.0	2561.1	0.0	0.0	13.7	2561.1	0.0	0.0	D2	C2	<ST2>	C2	D2 M
484.469	0.00	64.94	0.00	0.00	0.0	2626.0	0.0	0.0	13.7	2626.0	0.0	0.0	D2	C2	<ST2>	C2	D2 M
484.470	0.00	0.01	0.00	0.00	0.0	2626.0	0.0	0.0	13.7	2626.0	0.0	0.0	D2	C2	<ST2>	C2	D2 M
500.000	0.00	219.94	0.00	0.00	0.0	2846.0	0.0	0.0	13.7	2846.0	0.0	0.0	D2	C2	<ST2>	C2	D2 M
520.000	0.00	275.11	0.00	0.00	0.0	3121.1	0.0	0.0	13.7	3121.1	0.0	0.0	D2	C2	<ST2>	C2	D2 M
523.185	0.00	42.93	0.00	0.00	0.0	3164.0	0.0	0.0	13.7	3164.0	0.0	0.0	D2	C2	<ST2>	C2	D2 M

523.186	0.00	0.01	0.00	0.00	0.0	3164.0	0.0	0.0	13.7	3164.0	0.0	0.0	D2	C2	<ST2>	C2	D2	M
540.000	0.00	220.31	0.00	0.00	0.0	3384.3	0.0	0.0	13.7	3384.3	0.0	0.0	D2	C2	<ST2>	C2	D2	M
550.000	0.00	63.70	0.00	0.00	0.0	3448.0	0.0	0.0	13.7	3448.0	0.0	0.0	D2	C2	<ST2>	C2	D2	M
550.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	13.7	3448.0	0.0	0.0	D2	C2-3	<ST2-3>	C2-3	D2	M
560.000	92.55	0.00	0.00	0.00	92.6	0.0	0.0	0.0	106.3	3448.0	0.0	0.0	D2-3	C2-3	<ST2-3>	C2-3	D2-3	M
560.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	106.3	3448.0	0.0	0.0	D3	C3	<ST3>	C3	D3	
579.749	182.78	0.00	0.00	0.00	182.8	0.0	0.0	0.0	289.0	3448.0	0.0	0.0	D3	C3	<ST3>	C3	D3	
579.750	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	289.0	3448.0	0.0	0.0	D3	C3	<ST3>	C3	D3	
580.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	289.0	3448.0	0.0	0.0	D3	C3	<ST3>	C3	D3	
590.310	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	289.0	3448.0	0.0	0.0	D3	C3	<ST3>	C3	D3	



Istram 22.08.08.11 05/12/22 13:24:57 200207

PROYECTO :

GRUPO : 2 : ENLACE CV35

C. R. S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 20 : RAMAL CV35(A) - CALZADA DERECHA (CPOL20_a1.vol)

pagi na 2

* * *

S U P E R F I C I E S D E S I E M B R A

* * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA								
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN						
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr					
597.110	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	289.0	3448.0	0.0	0.0	D3	C3	<ST3>	C3	D3
600.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	289.0	3448.0	0.0	0.0	D3	C3	<ST3>	C3	D3
620.000	155.85	0.00	0.00	0.00	155.8	0.0	0.0	0.0	444.9	3448.0	0.0	0.0	D3	C3	<ST3>	C3	D3
623.305	51.44	0.00	0.00	0.00	207.3	0.0	0.0	0.0	496.3	3448.0	0.0	0.0	D3	C3	<ST3>	C3	D3
640.000	247.61	0.00	0.00	0.00	454.9	0.0	0.0	0.0	743.9	3448.0	0.0	0.0	D3	C3	<ST3>	C3	D3
660.000	266.65	0.00	0.00	0.00	721.5	0.0	0.0	0.0	1010.6	3448.0	0.0	0.0	D3	C3	<ST3>	C3	D3
680.000	209.97	0.00	0.00	0.00	931.5	0.0	0.0	0.0	1220.6	3448.0	0.0	0.0	D3	C3	<ST3>	C3	D3
700.000	151.60	0.00	0.00	0.00	1083.1	0.0	0.0	0.0	1372.2	3448.0	0.0	0.0	D3	C3	<ST3>	C3	D3
720.000	120.61	80.79	0.00	0.00	1203.7	80.8	0.0	0.0	1492.8	3528.8	0.0	0.0	D3	C3	<ST3>	C3	D3
740.000	100.90	138.70	0.00	0.00	1304.6	219.5	0.0	0.0	1593.7	3667.5	0.0	0.0	D3	C3	<ST3>	C3	D3
746.710	30.66	37.74	0.00	0.00	1335.3	257.2	0.0	0.0	1624.3	3705.3	0.0	0.0	D3	C3	<ST3>	C3	D3
752.668	25.23	30.49	0.00	0.00	1360.5	287.7	0.0	0.0	1649.6	3735.8	0.0	0.0	D3	C3	<ST3>	C3	D3
760.000	28.38	32.42	0.00	0.00	1388.9	320.1	0.0	0.0	1677.9	3768.2	0.0	0.0	D3	C3	<ST3>	C3	D3
780.000	63.41	61.35	0.00	0.00	1452.3	381.5	0.0	0.0	1741.3	3829.5	0.0	0.0	D3	C3	<ST3>	C3	D3
785.320	13.66	10.11	0.00	0.00	1466.0	391.6	0.0	0.0	1755.0	3839.6	0.0	0.0	D3	C3	<ST3>	C3	D3
800.000	31.76	20.66	0.00	0.00	1497.7	412.3	0.0	0.0	1786.8	3860.3	0.0	0.0	D3	C3	<ST3>	C3	D3
820.000	30.78	18.65	0.00	0.00	1528.5	430.9	0.0	0.0	1817.5	3879.0	0.0	0.0	D3	C3	<ST3>	C3	D3
832.457	12.93	7.88	0.00	0.00	1541.4	438.8	0.0	0.0	1830.5	3886.8	0.0	0.0	D3	C3	<ST3>	C3	D3
840.000	5.71	2.95	0.00	0.00	1547.2	441.7	0.0	0.0	1836.2	3889.8	0.0	0.0	D3	C3	<ST3>	C3	D3
844.589	2.77	1.23	0.00	0.00	1549.9	443.0	0.0	0.0	1839.0	3891.0	0.0	0.0	D3	C3	<ST3>	C3	D3
848.115	1.82	0.69	0.00	0.00	1551.7	443.7	0.0	0.0	1840.8	3891.7	0.0	0.0	D3	C3	<ST3>	C3	D3
857.833	3.74	0.79	0.00	0.00	1555.5	444.5	0.0	0.0	1844.5	3892.5	0.0	0.0	D3	C3	<ST3>	C3	D3
859.660	0.27	0.00	0.00	0.00	1555.7	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	D3	C3	<ST3>	C3	D3
860.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	D3	C3	<ST3>	C3	D3
861.491	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	D3	C3	<ST3>	T3	
863.068	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	D3	C3	<ST3>	T3	
863.328	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	D3	C3	<ST3>	T3	

865.172	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	D3	C3	<ST3>	T3
867.025	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	D3	C3	<ST3>	T3
868.891	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	D3	C3	<ST3>	T3
870.770	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	D3	C3	<ST3>	T3
872.430	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	D3	C3	<ST3>	T3
874.105	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	D3	C3	<ST3>	T3
875.796	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	D3	C3	<ST3>	T3
877.507	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	D3	C3	<ST3>	T3
879.239	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3		<ST3>	T3
880.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3		<ST3>	T3
880.996	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3		<ST3>	T3
882.779	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3		<ST3>	T3
884.589	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3		<ST3>	T3
884.594	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3		<ST3>	T3
886.443	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3		<ST3>	T3



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PROYECTO :

GRUPO :

C.R.S. :

EJE :

2 : ENLACE CV35

ETRS89 / UTM zone 30N (N-E) (HUSO 30)

20 : RAMAL CV35(A) - CALZADA DERECHA (CPOL20_a1.vol)

pagi na

3

* * *

SUPERFICIES DE SIEMBRA

* * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA							
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN					
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr				
888.115	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3	
888.332	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3	
890.264	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3	
892.245	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3	
894.278	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3	
896.367	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3	
898.517	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3	
900.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3	
900.734	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3	
903.025	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3	
905.396	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3	
906.615	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3	
907.858	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3	
909.127	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3	
910.421	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3	
911.176	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3	
912.246	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3	
912.712	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3	
914.290	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3	
915.915	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3	
917.590	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3	
918.270	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3	

919.320	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3
920.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3
921.112	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3
922.972	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3
924.909	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3
926.934	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3
929.059	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3
931.300	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3
933.680	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3
934.930	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3
936.227	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3
937.578	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3
938.325	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3
940.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3
940.013	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3
941.802	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3
941.847	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3
943.714	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3
944.725	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3
944.962	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3

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PROYECTO :
GRUPO : 2 : ENLACE CV35
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 20 : RAMAL CV35(A) - CALZADA DERECHA (CPOL20_a1.vol)

* * * S U P E R F I C I E S D E S I E M B R A * * *
* * * * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA						
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN				
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr			
945.778	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3
946.878	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3
948.030	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3
949.239	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3
950.513	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3
951.847	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3
951.857	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3
953.282	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3
954.805	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3
956.425	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3
958.161	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3
960.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3
960.030	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3
962.062	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3
964.424	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3
965.807	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3
967.368	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0	T3	<ST3>	T3

969.195	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0 T3 <ST3> T3
971.433	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0 T3 <ST3> T3
972.825	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0 T3 <ST3> T3
974.503	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0 T3 <ST3> T3
976.701	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0 T3 <ST3> T3
978.263	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0 T3 <ST3> T3
980.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0 T3 <ST3> T3
980.569	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0 T3 <ST3> T3
981.847	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0 T3 <ST3> T3
982.782	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0 T3 <ST3> T3
984.960	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0 T3 <ST3> T3
984.961	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0 T3 <ST3> T3
984.962	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1844.8	3892.5	0.0	0.0 T3 <ST3> T3



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PROYECTO :
GRUPO : 2 : ENLACE CV35
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 21 : RAMAL CV35 (A) - CALZADA LATERAL DERECHA (CPOL21_a1.vol)

* * * S U P E R F I C I E S D E S I E M B R A * * *
* * * * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA								
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN						
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr					
0.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
11.250	2.94	0.00	0.00	0.00	2.9	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
20.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
39.319	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
40.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
50.569	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
55.975	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
60.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
60.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
70.975	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
80.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
85.244	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
85.975	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
87.098	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
88.966	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
90.849	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
92.747	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
93.503	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
94.661	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
96.590	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
98.536	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
100.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
100.498	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
102.477	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
104.159	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
105.856	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
107.565	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
108.503	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
109.288	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
111.024	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
112.774	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
114.539	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
116.318	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
118.112	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
119.921	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
120.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
121.747	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1

123.503	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
123.588	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
125.449	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
127.324	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
129.217	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1



Istram 22.08.08.11 05/12/22 13:24:57 200207

PROYECTO :
GRUPO : 2 : ENLACE CV35
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 21 : RAMAL CV35 (A) - CALZADA LATERAL DERECHA (CPOL21_a1.vol)

pagi na 1

* * * S U P E R F I C I E S D E S I E M B R A * * *

* * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA								
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN						
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr					
131.128	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
133.058	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
135.007	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
136.976	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
138.965	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
140.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
140.975	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
143.007	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
145.061	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
147.139	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
149.241	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
151.367	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
153.519	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
155.698	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
157.905	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
160.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
160.140	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
162.406	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
164.703	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
165.599	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
166.730	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
167.869	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
169.017	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
170.172	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
171.337	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
172.509	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
173.691	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
174.082	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
174.882	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
176.084	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
177.304	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
178.549	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1

179.828	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
180.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
181.154	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
182.538	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
184.002	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
185.578	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
185.653	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
187.317	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
189.292	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
191.639	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1



Istram 22.08.08.11 05/12/22 13:24:57 200207

PROYECTO :
GRUPO : 2 : ENLACE CV35
C. R. S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 21 : RAMAL CV35 (A) - CALZADA LATERAL DERECHA (CPOL21_a1.vol)

pagi na 2

* * * S U P E R F I C I E S D E S I E M B R A * * *

* * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA								
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN						
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr					
193.041	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
194.708	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
195.418	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
196.897	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
198.402	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
200.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
200.639	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
202.598	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
204.699	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
206.639	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
206.989	0.00	1.96	0.00	0.00	0.0	2.0	0.0	0.0	2.9	2.0	0.0	0.0	D1	C1	<ST1>	C1	D1



Istram 22.08.08.11 05/12/22 13:24:57 200207
PROYECTO :
GRUPO : 4 : TRAVESSAT
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 22 : ENCAUZAMIENTO (ISPOL22.vol)

pagi na 0

* * * S U P E R F I C I E S D E S I E M B R A * * *
* * * * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA				
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	
0.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	M D1 C1 <ST1> C1 D1
2.608	0.00	3.29	0.00	0.00	0.0	3.3	0.0	0.0	0.0	3.3	0.0	0.0	M D1 C1 <ST1> C1 D1
4.000	0.00	1.90	0.00	0.00	0.0	5.2	0.0	0.0	0.0	5.2	0.0	0.0	M D1 C1 <ST1> C1 D1
6.000	0.00	2.91	0.00	0.00	0.0	8.1	0.0	0.0	0.0	8.1	0.0	0.0	M D1 C1 <ST1> C1 D1
8.000	0.00	3.12	0.00	0.00	0.0	11.2	0.0	0.0	0.0	11.2	0.0	0.0	M D1 C1 <ST1> C1 D1
10.000	0.00	3.33	0.00	0.00	0.0	14.6	0.0	0.0	0.0	14.6	0.0	0.0	M D1 C1 <ST1> C1 D1
10.347	0.00	0.60	0.00	0.00	0.0	15.2	0.0	0.0	0.0	15.2	0.0	0.0	M D1 C1 <ST1> C1 D1
20.000	0.00	16.76	0.00	0.00	0.0	31.9	0.0	0.0	0.0	31.9	0.0	0.0	M D1 C1 <ST1> C1 D1
40.000	0.00	39.61	0.00	0.00	0.0	71.5	0.0	0.0	0.0	71.5	0.0	0.0	M D1 C1 <ST1> C1 D1
60.000	0.00	55.20	0.00	0.00	0.0	126.7	0.0	0.0	0.0	126.7	0.0	0.0	M D1 C1 <ST1> C1 D1
70.000	0.00	35.58	0.00	0.00	0.0	162.3	0.0	0.0	0.0	162.3	0.0	0.0	M D1 C1 <ST1> C1 D1
70.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	162.3	0.0	0.0	M D1 C1-2 <ST1-2> C1-2 D1
72.888	0.04	8.71	0.00	0.00	0.0	8.7	0.0	0.0	0.0	171.0	0.0	0.0	M D1-2 C1-2 <ST1-2> C1-2 D1-2 M
75.000	0.19	2.34	0.00	0.00	0.2	11.0	0.0	0.0	0.2	173.4	0.0	0.0	M D1-2 C1-2 <ST1-2> C1-2 D1-2 M
75.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.2	173.4	0.0	0.0	M D2 C2 <ST2> C2 D2 M
76.008	0.20	0.00	0.00	0.00	0.2	0.0	0.0	0.0	0.4	173.4	0.0	0.0	M D2 C2 <ST2> C2 D2 M
80.000	1.21	0.00	0.00	0.00	1.4	0.0	0.0	0.0	1.6	173.4	0.0	0.0	M D2 C2 <ST2> C2 D2 M
86.016	2.31	0.00	0.00	0.00	3.7	0.0	0.0	0.0	4.0	173.4	0.0	0.0	M D2 C2 <ST2> C2 D2 M
100.000	6.59	0.51	0.00	0.00	10.3	0.5	0.0	0.0	10.5	173.9	0.0	0.0	M D2 C2 <ST2> C2 D2 M
102.551	1.40	0.29	0.00	0.00	11.7	0.8	0.0	0.0	11.9	174.2	0.0	0.0	M D2 C2 <ST2> C2 D2 M
120.000	4.83	1.37	0.00	0.00	16.5	2.2	0.0	0.0	16.8	175.5	0.0	0.0	M D2 C2 <ST2> C2 D2 M
124.896	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	16.8	175.5	0.0	0.0	M D2 C2 <ST2> C2 D2 M
140.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	16.8	175.5	0.0	0.0	M D2 C2 <ST2> C2 D2 M
160.000	5.08	0.32	0.00	0.00	5.1	0.3	0.0	0.0	21.9	175.9	0.0	0.0	M D2 C2 <ST2> C2 D2 M
180.000	5.08	0.32	0.00	0.00	10.2	0.6	0.0	0.0	26.9	176.2	0.0	0.0	M D2 C2 <ST2> C2 D2 M
200.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	26.9	176.2	0.0	0.0	M D2 C2 <ST2> C2 D2 M
217.720	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	26.9	176.2	0.0	0.0	M D2 C2 <ST2> C2 D2 M
220.000	0.01	0.00	0.00	0.00	0.0	0.0	0.0	0.0	26.9	176.2	0.0	0.0	M D2 C2 <ST2> C2 D2 M
220.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	26.9	176.2	0.0	0.0	M D2 C2-3 <ST2-3> C2-3 D2 M
225.095	1.37	0.00	0.00	0.00	1.4	0.0	0.0	0.0	28.3	176.2	0.0	0.0	M D2-3 C2-3 <ST2-3> C2-3 D2-3 M
239.897	18.87	4.91	0.00	0.00	20.2	4.9	0.0	0.0	47.2	181.1	0.0	0.0	M D2-3 C2-3 <ST2-3> C2-3 D2-3 M
240.000	0.21	0.07	0.00	0.00	20.4	5.0	0.0	0.0	47.4	181.1	0.0	0.0	M D2-3 C2-3 <ST2-3> C2-3 D2-3 M
240.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	47.4	181.1	0.0	0.0	M D3 C3 <ST3> C3 D3 M
260.000	36.94	16.28	0.00	0.00	36.9	16.3	0.0	0.0	84.3	197.4	0.0	0.0	M D3 C3 <ST3> C3 D3 M
261.405	2.40	1.38	0.00	0.00	39.3	17.7	0.0	0.0	86.7	198.8	0.0	0.0	M D3 C3 <ST3> C3 D3 M
280.000	26.88	14.30	0.00	0.00	66.2	32.0	0.0	0.0	113.6	213.1	0.0	0.0	M D3 C3 <ST3> C3 D3 M
300.000	20.78	6.68	0.00	0.00	87.0	38.6	0.0	0.0	134.4	219.8	0.0	0.0	M D3 C3 <ST3> C3 D3 M

320.000	17.64	3.93	0.00	0.00	104.6	42.6	0.0	0.0	152.0	223.7	0.0	0.0	M	D3	C3	<ST3>	C3	D3	M
340.000	20.09	7.05	0.00	0.00	124.7	49.6	0.0	0.0	172.1	230.8	0.0	0.0	M	D3	C3	<ST3>	C3	D3	M
345.728	6.86	2.45	0.00	0.00	131.6	52.1	0.0	0.0	179.0	233.2	0.0	0.0	M	D3	C3	<ST3>	C3	D3	M
360.000	14.19	5.25	0.00	0.00	145.8	57.3	0.0	0.0	193.2	238.5	0.0	0.0	M	D3	C3	<ST3>	C3	D3	M
372.694	17.57	2.34	0.00	0.00	163.4	59.7	0.0	0.0	210.7	240.8	0.0	0.0	M	D3	C3	<ST3>	C3	D3	M



Istram 22.08.08.11 05/12/22 13:24:57 200207

PROYECTO :
GRUPO : 4 : TRAVESSAT
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 22 : ENCAUZAMIENTO (ISPOL22.vol)

pagi na 1

* * * S U P E R F I C I E S D E S I E M B R A * * *

* * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA									
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN							
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr						
374.366	3.57	0.10	0.00	0.00	166.9	59.8	0.0	0.0	214.3	240.9	0.0	0.0	M D3 C3 <ST3>	C3	D3	M		
375.000	1.46	0.05	0.00	0.00	168.4	59.8	0.0	0.0	215.8	241.0	0.0	0.0	M D3 C3 <ST3>	C3	D3	M		
380.000	13.52	0.53	0.00	0.00	181.9	60.3	0.0	0.0	229.3	241.5	0.0	0.0	M D3 C3 <ST3>	C3	D3	M		
382.014	6.31	0.27	0.00	0.00	188.2	60.6	0.0	0.0	235.6	241.7	0.0	0.0	M D3 C3 <ST3>	C3	D3	M		
400.000	72.95	6.95	0.00	0.00	261.2	67.6	0.0	0.0	308.6	248.7	0.0	0.0	M D3 C3 <ST3>	C3	D3	M		
401.000	3.87	0.72	0.00	0.00	265.0	68.3	0.0	0.0	312.4	249.4	0.0	0.0	M D8 C8 <ST8>	C8	D8	M		
404.000	8.55	3.29	0.00	0.00	273.6	71.6	0.0	0.0	321.0	252.7	0.0	0.0	M D8 C8 <ST8>	C8	D8	M		
405.000	2.85	1.47	0.00	0.00	276.4	73.0	0.0	0.0	323.8	254.2	0.0	0.0	M D8 C8-4 <ST8-4>	C8-4	D8	M		
415.000	28.50	14.07	0.00	0.00	304.9	87.1	0.0	0.0	352.3	268.3	0.0	0.0	M D8-4 C8-4 <ST8-4>	C8-4	D8-4	M		
420.000	15.96	8.05	0.00	0.00	320.9	95.2	0.0	0.0	368.3	276.3	0.0	0.0	M D4 C4 <ST4>	C4	D4	M		
425.140	19.88	12.93	0.00	0.00	340.8	108.1	0.0	0.0	388.2	289.2	0.0	0.0	M D4 C4 <ST4>	C4	D4	M		
440.000	62.41	44.61	0.00	0.00	403.2	152.7	0.0	0.0	450.6	333.8	0.0	0.0	M D4 C4 <ST4>	C4	D4	M		
456.522	69.40	41.69	0.00	0.00	472.6	194.4	0.0	0.0	520.0	375.5	0.0	0.0	M D4 C4 <ST4>	C4	D4	M		
460.000	14.61	6.89	0.00	0.00	487.2	201.3	0.0	0.0	534.6	382.4	0.0	0.0	M D4 C4 <ST4>	C4	D4	M		
480.000	84.00	30.25	0.00	0.00	571.2	231.5	0.0	0.0	618.6	412.7	0.0	0.0	M D4 C4 <ST4>	C4	D4	M		
480.100	0.21	0.06	0.00	0.00	571.4	231.6	0.0	0.0	618.8	412.7	0.0	0.0	M D9 C9 <ST9>	C9	D9	M		
480.200	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	618.8	412.7	0.0	0.0	M D9 C9 <ST9>	C9	D9	M		
480.300	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	618.8	412.7	0.0	0.0	M D9 C9-5 <ST9-5>	C9-5	D9	M		
492.523	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	618.8	412.7	0.0	0.0	M D9-5 C9-5 <ST9-5>	C9-5	D9-5	M		
499.912	10.72	3.95	0.00	0.00	10.7	4.0	0.0	0.0	629.5	416.7	0.0	0.0	M D9-5 C9-5 <ST9-5>	C9-5	D9-5	M		
500.000	0.28	0.11	0.00	0.00	11.0	4.1	0.0	0.0	629.8	416.8	0.0	0.0	M D9-5 C9-5 <ST9-5>	C9-5	D9-5	M		
500.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	629.8	416.8	0.0	0.0	M D5 C5 <ST5>	C5	D5	M		
520.000	63.13	37.75	0.00	0.00	63.1	37.7	0.0	0.0	692.9	454.5	0.0	0.0	M D5 C5 <ST5>	C5	D5	M		
539.890	52.60	23.78	0.00	0.00	115.7	61.5	0.0	0.0	745.5	478.3	0.0	0.0	M D5 C5 <ST5>	C5	D5	M		
540.000	0.28	0.00	0.00	0.00	116.0	0.0	0.0	0.0	745.8	478.3	0.0	0.0	M D5 C5 <ST5>	C5	D5	M		
560.000	42.02	23.74	0.00	0.00	158.0	23.7	0.0	0.0	787.8	502.1	0.0	0.0	M D5 C5 <ST5>	C5	D5	M		
564.294	7.42	9.38	0.00	0.00	165.4	33.1	0.0	0.0	795.3	511.4	0.0	0.0	M D5 C5 <ST5>	C5	D5	M		
571.389	12.72	13.36	0.00	0.00	178.2	46.5	0.0	0.0	808.0	524.8	0.0	0.0	M D5 C5 <ST5>	C5	D5	M		
580.000	16.14	14.85	0.00	0.00	194.3	61.3	0.0	0.0	824.1	539.6	0.0	0.0	M D5 C5 <ST5>	C5	D5	M		
580.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	824.1	539.6	0.0	0.0	M D5 C5-10 <ST5-10>	C5-10	D5	M		
590.000	20.53	16.42	0.00	0.00	20.5	16.4	0.0	0.0	844.6	556.1	0.0	0.0	M D5-10 C5-10 <ST5-10>	C5-10	D5-10	M		
590.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M D10 C10 <ST10>	C10	D10	M		

600.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M
604.979	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M
620.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M
640.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M
655.436	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M
660.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M
673.962	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M
680.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M
691.120	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M
700.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M



Istram 22.08.08.11 05/12/22 13:24:57 200207

PROYECTO :

GRUPO : 4 : TRAVESSAT

C. R. S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 22 : ENCAUZAMIENTO (ISPOL22. vol)

pagi na 2

* * *

SUPERFICIES DE SIEMBRA

* * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA										
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN								
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr							
715.139	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M
716.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M
718.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M
720.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M
722.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M
724.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M
724.278	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M
740.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M
743.313	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M
745.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M
750.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M
755.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M
756.169	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M
760.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M
780.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M
788.714	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M
790.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M
800.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M
810.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M
810.397	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M
820.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M
830.587	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M
835.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M
840.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M
845.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M
846.730	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M
856.576	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0	M	D10	C10	<ST10>	C10	D10	M

860.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0 M D10 C10 <ST10> C10 D10 M
877.984	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0 M D10 C10 <ST10> C10 D10 M
880.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0 M D10 C10 <ST10> C10 D10 M
880.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	844.6	556.1	0.0	0.0 M D6 C6 <ST6> C6 D6 M
880.027	0.11	0.01	0.00	0.00	0.1	0.0	0.0	0.0	844.8	556.1	0.0	0.0 M D6 C6 <ST6> C6 D6 M
900.000	70.69	34.71	0.00	0.00	70.8	34.7	0.0	0.0	915.4	590.8	0.0	0.0 M D6 C6 <ST6> C6 D6 M
915.946	48.16	45.28	0.00	0.00	119.0	80.0	0.0	0.0	963.6	636.1	0.0	0.0 M D6 C6 <ST6> C6 D6 M
920.000	11.63	9.45	0.00	0.00	130.6	89.4	0.0	0.0	975.2	645.5	0.0	0.0 M D6 C6 <ST6> C6 D6 M
930.000	26.78	24.34	0.00	0.00	157.4	113.8	0.0	0.0	1002.0	669.8	0.0	0.0 M D6 C6 <ST6> C6 D6 M
934.758	11.83	11.56	0.00	0.00	169.2	125.3	0.0	0.0	1013.8	681.4	0.0	0.0 M D6 C6 <ST6> C6 D6 M
940.000	13.02	12.07	0.00	0.00	182.2	137.4	0.0	0.0	1026.9	693.5	0.0	0.0 M D6 C6 <ST6> C6 D6 M
947.911	20.11	18.75	0.00	0.00	202.3	156.2	0.0	0.0	1047.0	712.2	0.0	0.0 M D6 C6 <ST6> C6 D6 M
952.920	11.79	10.71	0.00	0.00	214.1	166.9	0.0	0.0	1058.8	722.9	0.0	0.0 M D6 C6 <ST6> C6 D6 M
960.000	13.81	10.54	0.00	0.00	227.9	177.4	0.0	0.0	1072.6	733.5	0.0	0.0 M D6 C6 <ST6> C6 D6 M
972.000	16.27	6.45	0.00	0.00	244.2	183.9	0.0	0.0	1088.8	739.9	0.0	0.0 M D6 C6 <ST6> C6 D6 M



Istram 22.08.08.11 05/12/22 13:24:57 200207

PROYECTO :
GRUPO : 4 : TRAVESSAT
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 22 : ENCAUZAMIENTO (ISPOL22.vol)

pagi na 3

* * * S U P E R F I C I E S D E S I E M B R A * * *

* * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA			
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN	
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr
972.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	1088.8	739.9	0.0	0.0 M D6 C6-7 <ST6-7> C6-7 D6 M
980.000	24.62	6.31	0.00	0.00	24.6	6.3	0.0	0.0	1113.5	746.2	0.0	0.0 M D6-7 C6-7 <ST6-7> C6-7 D6-7 M
992.000	100.30	39.69	0.00	0.00	124.9	46.0	0.0	0.0	1213.8	785.9	0.0	0.0 D6-7 C6-7 <ST6-7> C6-7 D6-7

* * * SUPERFICIES DE SIEMBRA * * *
* * * * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA				
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
	I z	Dr	I z	Dr	I z	Dr	I z	Dr	I z	Dr	I z	Dr	
0.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> C1 D1
0.204	0.00	0.02	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> C1 D1
5.000	0.00	0.22	0.00	0.00	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0	T1 <ST1> T1
10.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	T1 <ST1> T1
15.000	0.00	0.00	0.00	0.30	0.0	0.0	0.0	0.3	0.0	0.2	0.0	0.3	T1 <ST1> T1
18.000	0.06	0.00	0.00	0.65	0.1	0.0	0.0	1.0	0.1	0.2	0.0	1.0	D1 C1 <ST1> T1
20.000	0.13	0.00	0.00	0.70	0.2	0.0	0.0	1.6	0.2	0.2	0.0	1.6	D1 C1 <ST1> T1
20.204	0.02	0.00	0.00	0.08	0.2	0.0	0.0	1.7	0.2	0.2	0.0	1.7	D1 C1 <ST1> T1
25.000	0.58	0.00	0.00	2.42	0.8	0.0	0.0	4.1	0.8	0.2	0.0	4.1	D1 C1 <ST1> T1
29.243	0.65	0.00	0.00	3.01	1.4	0.0	0.0	7.2	1.4	0.2	0.0	7.2	D1 C1 <ST1> T1
30.000	0.12	0.00	0.00	0.61	1.6	0.0	0.0	7.8	1.6	0.2	0.0	7.8	D1 C1 <ST1> T1
35.000	0.38	0.00	0.00	3.97	1.9	0.0	0.0	11.7	1.9	0.2	0.0	11.7	T1 <ST1> T1
40.000	0.00	0.00	0.00	3.97	0.0	0.0	0.0	15.7	1.9	0.2	0.0	15.7	T1 <ST1> T1
40.204	0.00	0.00	0.00	0.17	0.0	0.0	0.0	15.9	1.9	0.2	0.0	15.9	T1 <ST1> T1
45.000	0.00	0.00	0.00	3.95	0.0	0.0	0.0	19.8	1.9	0.2	0.0	19.8	T1 <ST1> T1
47.243	0.00	0.00	0.00	1.87	0.0	0.0	0.0	21.7	1.9	0.2	0.0	21.7	T1 <ST1> T1
60.000	0.00	0.00	0.00	9.84	0.0	0.0	0.0	31.5	1.9	0.2	0.0	31.5	T1 <ST1> T1
71.560	0.00	0.00	0.00	9.92	0.0	0.0	0.0	41.5	1.9	0.2	0.0	41.5	T1 <ST1> T1

Istram 23.01.01.13 29/05/23 11:10:04 200207
PROYECTO :
GRUPO : 8 : REPOSICIÓN PATERNA ED2
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 32 : ACCESO COLEGIO - VIAL (ISPOL32.vol)

* * * S U P E R F I C I E S D E S I E M B R A * * *
* * * * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA							
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN					
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr				
0.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	T1
3.636	1.31	0.00	0.00	0.00	1.3	0.0	0.0	0.0	1.3	0.0	0.0	0.0	D1	C1	<ST1>	C1 D1
5.000	0.82	0.16	0.00	0.00	2.1	0.2	0.0	0.0	2.1	0.2	0.0	0.0	D1	C1	<ST1>	C1 D1
10.000	3.66	1.50	0.00	0.00	5.8	1.7	0.0	0.0	5.8	1.7	0.0	0.0	D1	C1	<ST1>	C1 D1
20.000	23.57	10.43	0.00	0.00	29.4	12.1	0.0	0.0	29.4	12.1	0.0	0.0	D1	C1	<ST1>	C1 D1
25.000	27.01	11.91	0.00	0.00	56.4	24.0	0.0	0.0	56.4	24.0	0.0	0.0	D1	C1	<ST1>	C1 D1
30.000	41.06	15.44	0.00	0.00	97.4	39.4	0.0	0.0	97.4	39.4	0.0	0.0	D1	C1	<ST1>	C1 D1
40.000	99.01	65.63	0.00	0.00	196.4	105.1	0.0	0.0	196.4	105.1	0.0	0.0	D1	C1	<ST1>	C1 D1
45.000	46.64	32.36	0.00	0.00	243.1	137.4	0.0	0.0	243.1	137.4	0.0	0.0	D1	C1	<ST1>	C1 D1
50.000	33.37	12.06	0.00	0.00	276.4	149.5	0.0	0.0	276.4	149.5	0.0	0.0	D1	C1	<ST1>	C1 D1
55.000	18.97	8.47	0.00	0.00	295.4	158.0	0.0	0.0	295.4	158.0	0.0	0.0	D1	C1	<ST1>	C1 D1
60.000	9.79	5.38	0.00	0.00	305.2	163.3	0.0	0.0	305.2	163.3	0.0	0.0	D1	C1	<ST1>	C1 D1
65.000	6.07	1.74	0.00	0.00	311.3	165.1	0.0	0.0	311.3	165.1	0.0	0.0	D1	C1	<ST1>	C1 D1
70.000	5.10	0.15	0.00	0.00	316.4	165.2	0.0	0.0	316.4	165.2	0.0	0.0	D1	C1	<ST1>	C1 D1
75.000	3.10	0.00	0.00	0.00	319.5	0.0	0.0	0.0	319.5	165.2	0.0	0.0	D1	C1	<ST1>	C1 D1
80.000	1.35	0.00	0.00	0.00	320.8	0.0	0.0	0.0	320.8	165.2	0.0	0.0	D1	C1	<ST1>	T1
85.000	2.02	0.00	0.00	0.00	322.8	0.0	0.0	0.0	322.8	165.2	0.0	0.0	D1	C1	<ST1>	T1
90.000	2.64	0.00	0.00	0.00	325.5	0.0	0.0	0.0	325.5	165.2	0.0	0.0	D1	C1	<ST1>	T1
95.000	1.76	0.00	0.00	0.00	327.3	0.0	0.0	0.0	327.3	165.2	0.0	0.0	D1	C1	<ST1>	T1
100.000	0.88	0.00	0.00	0.00	328.1	0.0	0.0	0.0	328.1	165.2	0.0	0.0	D1	C1	<ST1>	T1
105.000	1.86	0.00	0.00	0.00	330.0	0.0	0.0	0.0	330.0	165.2	0.0	0.0	D1	C1	<ST1>	C1 D1
110.000	3.00	0.00	0.00	0.00	333.0	0.0	0.0	0.0	333.0	165.2	0.0	0.0	D1	C1	<ST1>	C1 D1
115.000	2.48	0.00	0.00	0.00	335.5	0.0	0.0	0.0	335.5	165.2	0.0	0.0	D1	C1	<ST1>	T1
120.000	2.29	0.00	0.00	0.00	337.8	0.0	0.0	0.0	337.8	165.2	0.0	0.0	D1	C1	<ST1>	T1
125.000	1.90	0.00	0.00	0.00	339.7	0.0	0.0	0.0	339.7	165.2	0.0	0.0	D1	C1	<ST1>	T1
130.000	1.39	0.00	0.00	0.00	341.0	0.0	0.0	0.0	341.0	165.2	0.0	0.0	D1	C1	<ST1>	T1
135.000	0.66	0.00	0.00	0.00	341.7	0.0	0.0	0.0	341.7	165.2	0.0	0.0	T1	<ST1>	T1	
140.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	341.7	165.2	0.0	0.0	T1	<ST1>	T1	
145.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	341.7	165.2	0.0	0.0	T1	<ST1>	T1	
148.859	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	341.7	165.2	0.0	0.0	T1	<ST1>	T1	
150.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	341.7	165.2	0.0	0.0	T1	<ST1>	T1	
155.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	341.7	165.2	0.0	0.0	T1	<ST1>	T1	
160.000	0.37	0.00	0.00	0.00	0.4	0.0	0.0	0.0	342.1	165.2	0.0	0.0	D1	C1	<ST1>	T1
165.000	0.37	0.00	0.00	0.37	0.7	0.0	0.0	0.4	342.4	165.2	0.0	0.4	T1	<ST1>	T1	
170.000	0.00	0.00	0.00	1.57	0.0	0.0	0.0	1.9	342.4	165.2	0.0	1.9	T1	<ST1>	T1	
175.000	0.00	0.00	0.00	1.20	0.0	0.0	0.0	3.1	342.4	165.2	0.0	3.1	T1	<ST1>	T1	
180.000	0.00	0.00	1.11	0.00	0.0	0.0	1.1	0.0	342.4	165.2	1.1	3.1	T1	<ST1>	T1	
185.000	0.00	0.00	1.11	0.00	0.0	0.0	2.2	0.0	342.4	165.2	2.2	3.1	T1	<ST1>	T1	

186.657	0.00	0.00	0.11	0.07	0.0	0.0	2.3	0.1	342.4	165.2	2.3	3.2	T1	<ST1>	T1
190.000	0.00	0.00	0.62	0.90	0.0	0.0	3.0	1.0	342.4	165.2	3.0	4.1	T1	<ST1>	T1
195.000	0.00	0.00	2.03	3.13	0.0	0.0	5.0	4.1	342.4	165.2	5.0	7.2	T1	<ST1>	T1
200.000	0.00	0.00	2.53	3.61	0.0	0.0	7.5	7.7	342.4	165.2	7.5	10.8	T1	<ST1>	T1



Istram 23.01.01.13 29/05/23 11:10:04 200207

pagi na 2

PROYECTO :
GRUPO : 8 : REPOSICIÓN PATERNA ED2
C.R. S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 32 : ACCESO COLEGIO - VIAL (ISPOL32.vol)

* * * S U P E R F I C I E S D E S I E M B R A * * *

* * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA						
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN				
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr			
205.000	0.00	0.00	1.09	2.34	0.0	0.0	8.6	10.1	342.4	165.2	8.6	13.2	T1	<ST1>	T1
210.000	0.00	0.00	0.00	0.73	0.0	0.0	0.0	10.8	342.4	165.2	8.6	13.9	T1	<ST1>	T1
215.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	342.4	165.2	8.6	13.9	T1	<ST1>	T1
220.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	342.4	165.2	8.6	13.9	T1	<ST1>	T1
224.792	0.79	0.00	0.00	0.00	0.8	0.0	0.0	0.0	343.2	165.2	8.6	13.9	D1	C1	<ST1> T1

Istram 23.01.01.13 29/05/23 11:10:12 200207
PROYECTO :
GRUPO : 8 : REPOSICIÓN PATERNA ED2
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 33 : ACCESO COLEGIO - LA CANYADA (I SPOL33.vol)

* * * S U P E R F I C I E S D E S I E M B R A * * *
* * * * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA						
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN				
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr			
0.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1> C1 D1
5.000	4.39	0.56	0.00	0.00	4.4	0.6	0.0	0.0	4.4	0.6	0.0	0.0	D1	C1	<ST1> T1
9.302	3.34	0.35	0.00	0.00	7.7	0.9	0.0	0.0	7.7	0.9	0.0	0.0	D1	C1	<ST1> C1 D1
10.000	0.24	0.11	0.00	0.00	8.0	1.0	0.0	0.0	8.0	1.0	0.0	0.0	D1	C1	<ST1> C1 D1
15.000	1.46	0.36	0.00	0.00	9.4	1.4	0.0	0.0	9.4	1.4	0.0	0.0	D1	C1	<ST1> C1 D1
20.000	1.13	0.00	0.00	0.00	10.6	0.0	0.0	0.0	10.6	1.4	0.0	0.0	D1	C1	<ST1> T1
25.000	2.00	0.65	0.00	0.00	12.6	0.6	0.0	0.0	12.6	2.0	0.0	0.0	D1	C1	<ST1> C1 D1
30.000	2.66	1.33	0.00	0.00	15.2	2.0	0.0	0.0	15.2	3.4	0.0	0.0	D1	C1	<ST1> C1 D1
35.000	1.89	0.96	0.00	0.00	17.1	2.9	0.0	0.0	17.1	4.3	0.0	0.0	D1	C1	<ST1> C1 D1
40.000	1.28	1.69	0.00	0.00	18.4	4.6	0.0	0.0	18.4	6.0	0.0	0.0	D1	C1	<ST1> C1 D1
45.000	1.01	1.99	0.00	0.00	19.4	6.6	0.0	0.0	19.4	8.0	0.0	0.0	D1	C1	<ST1> C1 D1
50.000	0.47	0.57	0.00	0.00	19.9	7.2	0.0	0.0	19.9	8.6	0.0	0.0	T1	<ST1>	T1
55.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	19.9	8.6	0.0	0.0	T1	<ST1>	T1
60.000	0.00	0.00	0.66	1.20	0.0	0.0	0.7	1.2	19.9	8.6	0.7	1.2	T1	<ST1>	T1
65.000	0.00	0.00	2.84	3.92	0.0	0.0	3.5	5.1	19.9	8.6	3.5	5.1	T1	<ST1>	T1
67.459	0.00	0.00	1.85	2.23	0.0	0.0	5.3	7.3	19.9	8.6	5.3	7.3	T1	<ST1>	T1
68.000	0.00	0.00	0.45	0.56	0.0	0.0	5.8	7.9	19.9	8.6	5.8	7.9	T1	<ST1>	T1
70.000	0.00	0.00	2.03	2.39	0.0	0.0	7.8	10.3	19.9	8.6	7.8	10.3	T1	<ST1>	T1
72.000	0.00	0.00	2.71	2.98	0.0	0.0	10.5	13.3	19.9	8.6	10.5	13.3	T1	<ST1>	T1
74.000	0.00	0.00	3.43	3.33	0.0	0.0	14.0	16.6	19.9	8.6	14.0	16.6	T1	<ST1>	T1
76.000	0.00	0.00	3.69	2.95	0.0	0.0	17.7	19.5	19.9	8.6	17.7	19.5	T1	<ST1>	T1
78.000	0.00	0.00	4.16	3.12	0.0	0.0	21.8	22.7	19.9	8.6	21.8	22.7	T1	<ST1>	T1
80.000	0.00	0.00	4.60	3.20	0.0	0.0	26.4	25.9	19.9	8.6	26.4	25.9	T1	<ST1>	T1
82.000	0.00	0.00	5.09	3.25	0.0	0.0	31.5	29.1	19.9	8.6	31.5	29.1	T1	<ST1>	T1
84.000	0.00	0.00	5.63	3.49	0.0	0.0	37.1	32.6	19.9	8.6	37.1	32.6	T1	<ST1>	T1
86.000	0.00	0.00	6.21	4.35	0.0	0.0	43.3	37.0	19.9	8.6	43.3	37.0	T1	<ST1>	T1
88.000	0.00	0.00	6.77	5.17	0.0	0.0	50.1	42.1	19.9	8.6	50.1	42.1	T1	<ST1>	T1
90.000	0.00	0.00	7.31	5.62	0.0	0.0	57.4	47.8	19.9	8.6	57.4	47.8	T1	<ST1>	T1
92.000	0.00	0.00	7.86	6.17	0.0	0.0	65.3	53.9	19.9	8.6	65.3	53.9	T1	<ST1>	T1
94.000	0.00	0.00	8.42	6.82	0.0	0.0	73.7	60.7	19.9	8.6	73.7	60.7	T1	<ST1>	T1
96.000	0.00	0.00	8.97	7.49	0.0	0.0	82.7	68.2	19.9	8.6	82.7	68.2	T1	<ST1>	T1
96.982	0.00	0.00	4.60	3.92	0.0	0.0	87.3	72.2	19.9	8.6	87.3	72.2	T1	<ST1>	T1



Istram 23.01.01.13 24/05/23 17:23:55 200207
PROYECTO :
GRUPO : 3 : CAMINOS
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 46 : CARRIL BICI (ISPOL46.vol)

* * * S U P E R F I C I E S D E S I E M B R A * * *
* * * * * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA				
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	
0.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T3 <ST3> C3 D3
5.000	0.00	0.95	0.00	0.00	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	T3 <ST3> C3 D3
10.000	0.00	0.67	0.00	0.00	0.0	1.6	0.0	0.0	0.0	1.6	0.0	0.0	T3 <ST3> T3
15.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	T3 <ST3> T3
20.000	0.00	0.86	0.00	0.00	0.0	0.9	0.0	0.0	0.0	2.5	0.0	0.0	T3 <ST3> C3 D3
25.000	0.00	1.36	0.00	0.00	0.0	2.2	0.0	0.0	0.0	3.8	0.0	0.0	T3 <ST3> C3 D3
30.000	0.00	0.49	0.00	0.00	0.0	2.7	0.0	0.0	0.0	4.3	0.0	0.0	T3 <ST3> T3
34.422	0.00	0.00	0.00	0.14	0.0	0.0	0.0	0.1	0.0	4.3	0.0	0.1	T3 <ST3> T3
34.600	0.00	0.00	0.00	0.01	0.0	0.0	0.0	0.2	0.0	4.3	0.0	0.2	T3 <ST3> T3
34.800	0.00	0.00	0.00	0.02	0.0	0.0	0.0	0.2	0.0	4.3	0.0	0.2	T3 <ST3> T3
35.000	0.00	0.00	0.00	0.02	0.0	0.0	0.0	0.2	0.0	4.3	0.0	0.2	T3 <ST3> T3
35.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.2	T1 <ST1> T1
35.200	0.00	0.00	0.00	0.02	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.2	T1 <ST1> T1
35.400	0.00	0.00	0.00	0.03	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.2	T1 <ST1> T1
35.600	0.00	0.00	0.00	0.03	0.0	0.0	0.0	0.1	0.0	4.3	0.0	0.3	T1 <ST1> T1
35.800	0.00	0.00	0.00	0.03	0.0	0.0	0.0	0.1	0.0	4.3	0.0	0.3	T1 <ST1> T1
36.000	0.00	0.00	0.01	0.03	0.0	0.0	0.0	0.1	0.0	4.3	0.0	0.3	T1 <ST1> T1
36.200	0.00	0.00	0.01	0.04	0.0	0.0	0.0	0.2	0.0	4.3	0.0	0.4	T1 <ST1> T1
36.400	0.00	0.00	0.01	0.04	0.0	0.0	0.0	0.2	0.0	4.3	0.0	0.4	T1 <ST1> T1
36.600	0.00	0.00	0.02	0.04	0.0	0.0	0.0	0.3	0.0	4.3	0.0	0.5	T1 <ST1> T1
36.800	0.00	0.00	0.02	0.05	0.0	0.0	0.1	0.3	0.0	4.3	0.1	0.5	T1 <ST1> T1
37.000	0.00	0.00	0.02	0.05	0.0	0.0	0.1	0.4	0.0	4.3	0.1	0.6	T1 <ST1> T1
37.200	0.00	0.00	0.02	0.05	0.0	0.0	0.1	0.4	0.0	4.3	0.1	0.6	T1 <ST1> T1
37.400	0.00	0.00	0.03	0.06	0.0	0.0	0.1	0.5	0.0	4.3	0.1	0.7	T1 <ST1> T1
37.600	0.00	0.00	0.03	0.06	0.0	0.0	0.2	0.5	0.0	4.3	0.2	0.7	T1 <ST1> T1
37.800	0.00	0.00	0.03	0.06	0.0	0.0	0.2	0.6	0.0	4.3	0.2	0.8	T1 <ST1> T1
38.000	0.00	0.00	0.03	0.07	0.0	0.0	0.2	0.7	0.0	4.3	0.2	0.9	T1 <ST1> T1
38.200	0.00	0.00	0.03	0.07	0.0	0.0	0.3	0.7	0.0	4.3	0.3	0.9	T1 <ST1> T1
38.400	0.00	0.00	0.03	0.07	0.0	0.0	0.3	0.8	0.0	4.3	0.3	1.0	T1 <ST1> T1
38.600	0.00	0.00	0.04	0.08	0.0	0.0	0.3	0.9	0.0	4.3	0.3	1.1	T1 <ST1> T1
38.800	0.00	0.00	0.04	0.08	0.0	0.0	0.4	1.0	0.0	4.3	0.4	1.2	T1 <ST1> T1
39.000	0.00	0.00	0.04	0.08	0.0	0.0	0.4	1.0	0.0	4.3	0.4	1.2	T1 <ST1> T1
39.200	0.00	0.00	0.05	0.08	0.0	0.0	0.5	1.1	0.0	4.3	0.5	1.3	T1 <ST1> T1
39.400	0.00	0.00	0.05	0.08	0.0	0.0	0.5	1.2	0.0	4.3	0.5	1.4	T1 <ST1> T1
39.600	0.00	0.00	0.05	0.08	0.0	0.0	0.6	1.3	0.0	4.3	0.6	1.5	T1 <ST1> T1
39.800	0.00	0.00	0.06	0.07	0.0	0.0	0.6	1.4	0.0	4.3	0.6	1.5	T1 <ST1> T1
40.000	0.00	0.00	0.06	0.07	0.0	0.0	0.7	1.4	0.0	4.3	0.7	1.6	T1 <ST1> T1

40.200	0.00	0.00	0.06	0.06	0.0	0.0	0.7	1.5	0.0	4.3	0.7	1.7	T1	<ST1>	T1
40.400	0.00	0.00	0.06	0.05	0.0	0.0	0.8	1.5	0.0	4.3	0.8	1.7	T1	<ST1>	T1
40.600	0.00	0.00	0.07	0.05	0.0	0.0	0.9	1.6	0.0	4.3	0.9	1.8	T1	<ST1>	T1
40.800	0.00	0.00	0.07	0.04	0.0	0.0	0.9	1.6	0.0	4.3	0.9	1.8	T1	<ST1>	T1
41.000	0.00	0.00	0.07	0.03	0.0	0.0	1.0	1.7	0.0	4.3	1.0	1.8	T1	<ST1>	T1



Istram 23.01.01.13 24/05/23 17:23:55 200207

PROYECTO :

GRUPO : 3 : CAMINOS

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 46 : CARRIL BICI (ISPOL46.vol)

pagi na 2

* * * S U P E R F I C I E S D E S I E M B R A * * *

* * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA						
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN				
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr			
41.200	0.00	0.00	0.08	0.03	0.0	0.0	1.1	1.7	0.0	4.3	1.1	1.9	T1	<ST1>	T1
41.400	0.00	0.00	0.08	0.02	0.0	0.0	1.2	1.7	0.0	4.3	1.2	1.9	T1	<ST1>	T1
41.600	0.00	0.00	0.08	0.02	0.0	0.0	1.3	1.7	0.0	4.3	1.3	1.9	T1	<ST1>	T1
41.800	0.00	0.00	0.09	0.02	0.0	0.0	1.3	1.7	0.0	4.3	1.3	1.9	T1	<ST1>	T1
42.000	0.00	0.00	0.09	0.01	0.0	0.0	1.4	1.8	0.0	4.3	1.4	2.0	T1	<ST1>	T1
42.200	0.00	0.00	0.09	0.01	0.0	0.0	1.5	1.8	0.0	4.3	1.5	2.0	T1	<ST1>	T1
42.400	0.00	0.00	0.10	0.00	0.0	0.0	1.6	1.8	0.0	4.3	1.6	2.0	T1	<ST1>	T1
42.600	0.00	0.00	0.10	0.00	0.0	0.0	1.7	1.8	0.0	4.3	1.7	2.0	T1	<ST1>	T1
42.800	0.00	0.00	0.11	0.00	0.0	0.0	1.8	0.0	0.0	4.3	1.8	2.0	T1	<ST1>	T1
43.000	0.00	0.00	0.12	0.00	0.0	0.0	2.0	0.0	0.0	4.3	2.0	2.0	T1	<ST1>	T1
43.200	0.00	0.00	0.12	0.00	0.0	0.0	2.1	0.0	0.0	4.3	2.1	2.0	T1	<ST1>	T1
43.400	0.00	0.00	0.12	0.00	0.0	0.0	2.2	0.0	0.0	4.3	2.2	2.0	T1	<ST1>	T1
43.600	0.00	0.00	0.13	0.00	0.0	0.0	2.3	0.0	0.0	4.3	2.3	2.0	T1	<ST1>	T1
43.800	0.00	0.00	0.13	0.00	0.0	0.0	2.5	0.0	0.0	4.3	2.5	2.0	T1	<ST1>	T1
44.000	0.00	0.00	0.13	0.00	0.0	0.0	2.6	0.0	0.0	4.3	2.6	2.0	T1	<ST1>	T1
44.200	0.00	0.00	0.14	0.00	0.0	0.0	2.7	0.0	0.0	4.3	2.7	2.0	T1	<ST1>	T1
44.400	0.00	0.00	0.14	0.00	0.0	0.0	2.9	0.0	0.0	4.3	2.9	2.0	T1	<ST1>	T1
44.600	0.00	0.00	0.14	0.00	0.0	0.0	3.0	0.0	0.0	4.3	3.0	2.0	T1	<ST1>	T1
44.800	0.00	0.00	0.15	0.00	0.0	0.0	3.2	0.0	0.0	4.3	3.2	2.0	T1	<ST1>	T1
45.000	0.00	0.00	0.15	0.00	0.0	0.0	3.3	0.0	0.0	4.3	3.3	2.0	T1	<ST1>	T1
45.200	0.00	0.00	0.15	0.00	0.0	0.0	3.5	0.0	0.0	4.3	3.5	2.0	T1	<ST1>	T1
45.400	0.00	0.00	0.16	0.00	0.0	0.0	3.6	0.0	0.0	4.3	3.6	2.0	T1	<ST1>	T1
45.600	0.00	0.00	0.16	0.00	0.0	0.0	3.8	0.0	0.0	4.3	3.8	2.0	T1	<ST1>	T1
45.800	0.00	0.00	0.16	0.00	0.0	0.0	4.0	0.0	0.0	4.3	4.0	2.0	T1	<ST1>	T1
46.000	0.00	0.00	0.17	0.00	0.0	0.0	4.1	0.0	0.0	4.3	4.1	2.0	T1	<ST1>	T1
46.200	0.00	0.00	0.17	0.00	0.0	0.0	4.3	0.0	0.0	4.3	4.3	2.0	T1	<ST1>	T1
46.400	0.00	0.00	0.18	0.01	0.0	0.0	4.5	0.0	0.0	4.3	4.5	2.0	T1	<ST1>	T1
46.600	0.00	0.00	0.18	0.01	0.0	0.0	4.6	0.0	0.0	4.3	4.6	2.0	T1	<ST1>	T1
46.675	0.00	0.00	0.07	0.00	0.0	0.0	4.7	0.0	0.0	4.3	4.7	2.0	T1	<ST1>	T1
46.800	0.00	0.00	0.11	0.00	0.0	0.0	4.8	0.0	0.0	4.3	4.8	2.0	T1	<ST1>	T1
47.000	0.00	0.00	0.18	0.01	0.0	0.0	5.0	0.1	0.0	4.3	5.0	2.0	T1	<ST1>	T1
47.200	0.00	0.00	0.19	0.01	0.0	0.0	5.2	0.1	0.0	4.3	5.2	2.0	T1	<ST1>	T1

47.400	0.00	0.00	0.19	0.01	0.0	0.0	5.4	0.1	0.0	4.3	5.4	2.0	T1	<ST1>	T1
47.600	0.00	0.00	0.19	0.01	0.0	0.0	5.6	0.1	0.0	4.3	5.6	2.0	T1	<ST1>	T1
47.800	0.00	0.00	0.09	0.01	0.0	0.0	5.7	0.1	0.0	4.3	5.7	2.1	T1	<ST1>	T1
48.000	0.00	0.00	0.00	0.01	0.0	0.0	0.0	0.1	0.0	4.3	5.7	2.1	T1	<ST1>	T1
48.200	0.00	0.00	0.00	0.01	0.0	0.0	0.0	0.1	0.0	4.3	5.7	2.1	T1	<ST1>	T1
48.400	0.00	0.00	0.00	0.01	0.0	0.0	0.0	0.1	0.0	4.3	5.7	2.1	T1	<ST1>	C1 D1
48.600	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4.3	5.7	2.1	T1	<ST1>	C1 D1
48.800	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4.3	5.7	2.1	T1	<ST1>	C1 D1
49.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4.3	5.7	2.1	T1	<ST1>	C1 D1
49.200	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4.3	5.7	2.1	T1	<ST1>	C1 D1



Istram 23.01.01.13 24/05/23 17:23:55 200207

PROYECTO :
GRUPO : 3 : CAMINOS
C. R. S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 46 : CARRIL BICI (ISPOL46.vol)

pagi na 3

* * * S U P E R F I C I E S D E S I E M B R A * * *

* * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA						
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN				
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr			
49.400	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4.3	5.7	2.1	T1	<ST1>	C1 D1
49.600	0.00	0.02	0.00	0.00	0.0	0.0	0.0	0.0	0.0	4.4	5.7	2.1	T1	<ST1>	C1 D1
49.800	0.00	0.07	0.00	0.00	0.0	0.1	0.0	0.0	0.0	4.4	5.7	2.1	T1	<ST1>	C1 D1
50.000	0.00	0.10	0.00	0.00	0.0	0.2	0.0	0.0	0.0	4.5	5.7	2.1	T1	<ST1>	C1 D1
50.200	0.00	0.10	0.00	0.00	0.0	0.3	0.0	0.0	0.0	4.6	5.7	2.1	T1	<ST1>	C1 D1
50.400	0.00	0.10	0.00	0.00	0.0	0.4	0.0	0.0	0.0	4.7	5.7	2.1	T1	<ST1>	C1 D1
50.600	0.00	0.10	0.00	0.00	0.0	0.5	0.0	0.0	0.0	4.8	5.7	2.1	T1	<ST1>	C1 D1
50.800	0.00	0.10	0.00	0.00	0.0	0.6	0.0	0.0	0.0	4.9	5.7	2.1	T1	<ST1>	C1 D1
51.000	0.00	0.10	0.00	0.00	0.0	0.7	0.0	0.0	0.0	5.0	5.7	2.1	T1	<ST1>	C1 D1
51.200	0.00	0.10	0.00	0.00	0.0	0.8	0.0	0.0	0.0	5.1	5.7	2.1	T1	<ST1>	C1 D1
51.400	0.00	0.10	0.00	0.00	0.0	0.9	0.0	0.0	0.0	5.3	5.7	2.1	T1	<ST1>	C1 D1
51.600	0.00	0.10	0.00	0.00	0.0	1.0	0.0	0.0	0.0	5.4	5.7	2.1	T1	<ST1>	C1 D1
51.800	0.00	0.10	0.00	0.00	0.0	1.1	0.0	0.0	0.0	5.5	5.7	2.1	T1	<ST1>	C1 D1
52.000	0.00	0.10	0.00	0.00	0.0	1.2	0.0	0.0	0.0	5.6	5.7	2.1	T1	<ST1>	C1 D1
52.200	0.00	0.10	0.00	0.00	0.0	1.3	0.0	0.0	0.0	5.7	5.7	2.1	T1	<ST1>	C1 D1
52.400	0.00	0.10	0.00	0.00	0.0	1.4	0.0	0.0	0.0	5.8	5.7	2.1	T1	<ST1>	C1 D1
52.600	0.00	0.10	0.00	0.00	0.0	1.5	0.0	0.0	0.0	5.9	5.7	2.1	T1	<ST1>	C1 D1
52.800	0.00	0.09	0.00	0.00	0.0	1.6	0.0	0.0	0.0	5.9	5.7	2.1	T1	<ST1>	C1 D1
53.000	0.00	0.09	0.00	0.00	0.0	1.7	0.0	0.0	0.0	6.0	5.7	2.1	T1	<ST1>	C1 D1
53.200	0.00	0.09	0.00	0.00	0.0	1.8	0.0	0.0	0.0	6.1	5.7	2.1	T1	<ST1>	C1 D1
53.400	0.00	0.09	0.00	0.00	0.0	1.9	0.0	0.0	0.0	6.2	5.7	2.1	T1	<ST1>	C1 D1
53.600	0.00	0.09	0.00	0.00	0.0	2.0	0.0	0.0	0.0	6.3	5.7	2.1	T1	<ST1>	C1 D1
53.800	0.00	0.09	0.00	0.00	0.0	2.1	0.0	0.0	0.0	6.4	5.7	2.1	T1	<ST1>	C1 D1
54.000	0.00	0.08	0.00	0.00	0.0	2.1	0.0	0.0	0.0	6.5	5.7	2.1	T1	<ST1>	C1 D1
54.200	0.00	0.08	0.00	0.00	0.0	2.2	0.0	0.0	0.0	6.6	5.7	2.1	T1	<ST1>	C1 D1
54.400	0.00	0.08	0.00	0.00	0.0	2.3	0.0	0.0	0.0	6.6	5.7	2.1	T1	<ST1>	C1 D1
54.600	0.00	0.08	0.00	0.00	0.0	2.4	0.0	0.0	0.0	6.7	5.7	2.1	T1	<ST1>	C1 D1

54.800	0.00	0.08	0.00	0.00	0.0	2.5	0.0	0.0	0.0	6.8	5.7	2.1	T1 <ST1> C1 D1
55.000	0.00	0.08	0.00	0.00	0.0	2.5	0.0	0.0	0.0	6.9	5.7	2.1	T1 <ST1> C1 D1
55.112	0.00	0.04	0.00	0.00	0.0	2.6	0.0	0.0	0.0	6.9	5.7	2.1	T1 <ST1> C1 D1
60.000	0.00	1.84	0.00	0.00	0.0	4.4	0.0	0.0	0.0	8.8	5.7	2.1	T1 <ST1> C1 D1
60.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	8.8	5.7	2.1	Estructura D2 <ST2> D2 Estructura
65.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	8.8	5.7	2.1	Estructura D2 <ST2> D2 Estructura
70.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	8.8	5.7	2.1	Estructura D2 <ST2> D2 Estructura
75.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	8.8	5.7	2.1	Estructura D2 <ST2> D2 Estructura
80.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	8.8	5.7	2.1	Estructura D2 <ST2> D2 Estructura
85.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	8.8	5.7	2.1	Estructura D2 <ST2> D2 Estructura
90.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	8.8	5.7	2.1	Estructura D2 <ST2> D2 Estructura
95.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	8.8	5.7	2.1	Estructura D2 <ST2> D2 Estructura
100.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	8.8	5.7	2.1	Estructura D2 <ST2> D2 Estructura
105.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	8.8	5.7	2.1	Estructura D2 <ST2> D2 Estructura
110.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	8.8	5.7	2.1	Estructura D2 <ST2> D2 Estructura



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PROYECTO :

GRUPO : 3 : CAMINOS

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 46 : CARRIL BICI (ISPOL46.vol)

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SUPERFICIES DE SIEMBRA

* * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA				
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	
115.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	8.8	5.7	2.1	Estructura D2 <ST2> D2 Estructura
120.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	8.8	5.7	2.1	Estructura D2 <ST2> D2 Estructura
125.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	8.8	5.7	2.1	Estructura D2 <ST2> D2 Estructura
130.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	8.8	5.7	2.1	Estructura D2 <ST2> D2 Estructura
135.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	8.8	5.7	2.1	Estructura D2 <ST2> D2 Estructura
140.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	8.8	5.7	2.1	Estructura D2 <ST2> D2 Estructura
140.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	8.8	5.7	2.1	T1 <ST1> T1
143.144	0.00	0.00	8.43	8.60	0.0	0.0	8.4	8.6	0.0	8.8	14.1	10.7	T1 <ST1> T1
145.000	0.00	0.00	4.78	4.79	0.0	0.0	13.2	13.4	0.0	8.8	18.9	15.5	T1 <ST1> T1
149.106	0.00	0.00	9.98	9.83	0.0	0.0	23.2	23.2	0.0	8.8	28.9	25.3	T1 <ST1> T1
150.000	0.00	0.00	2.07	2.00	0.0	0.0	25.3	25.2	0.0	8.8	30.9	27.3	T1 <ST1> T1
155.000	0.00	0.00	10.84	10.30	0.0	0.0	36.1	35.5	0.0	8.8	41.8	37.6	T1 <ST1> T1
160.000	0.00	0.00	9.42	8.78	0.0	0.0	45.5	44.3	0.0	8.8	51.2	46.4	T1 <ST1> T1
165.000	0.00	0.00	7.79	7.19	0.0	0.0	53.3	51.5	0.0	8.8	59.0	53.6	T1 <ST1> T1
170.000	0.00	0.00	6.07	5.50	0.0	0.0	59.4	57.0	0.0	8.8	65.0	59.1	T1 <ST1> T1
175.000	0.00	0.00	4.24	3.71	0.0	0.0	63.6	60.7	0.0	8.8	69.3	62.8	T1 <ST1> T1
180.000	0.00	0.00	2.48	6.80	0.0	0.0	66.1	67.5	0.0	8.8	71.8	69.6	T1 <ST1> T1
185.000	0.00	0.00	5.13	9.21	0.0	0.0	71.2	76.7	0.0	8.8	76.9	78.8	T1 <ST1> T1
190.000	0.00	0.00	6.71	5.90	0.0	0.0	77.9	82.6	0.0	8.8	83.6	84.7	T1 <ST1> T1
195.000	0.00	0.00	2.93	2.09	0.0	0.0	80.9	84.7	0.0	8.8	86.5	86.8	T1 <ST1> T1
200.000	0.00	0.00	0.53	0.00	0.0	0.0	81.4	0.0	0.0	8.8	87.1	86.8	T1 <ST1> T1
205.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	8.8	87.1	86.8	T1 <ST1> T1

210.000	0.00	0.27	0.00	0.00	0.0	0.3	0.0	0.0	0.0	9.0	87.1	86.8	T1	<ST1>	C1	D1
215.000	0.00	0.61	0.00	0.00	0.0	0.9	0.0	0.0	0.0	9.6	87.1	86.8	T1	<ST1>	C1	D1
220.000	0.00	0.74	0.00	0.00	0.0	1.6	0.0	0.0	0.0	10.4	87.1	86.8	T1	<ST1>	C1	D1
225.000	0.00	0.81	0.00	0.00	0.0	2.4	0.0	0.0	0.0	11.2	87.1	86.8	T1	<ST1>	C1	D1
230.000	0.00	0.41	0.00	0.00	0.0	2.9	0.0	0.0	0.0	11.6	87.1	86.8	T1	<ST1>	T1	
235.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	11.6	87.1	86.8	T1	<ST1>	T1	
239.794	0.00	0.41	0.00	0.00	0.0	0.4	0.0	0.0	0.0	12.0	87.1	86.8	T1	<ST1>	C1	D1
239.800	0.00	0.00	0.00	0.00	0.0	0.4	0.0	0.0	0.0	12.0	87.1	86.8	T1	<ST1>	C1	D1
240.000	0.00	0.04	0.00	0.00	0.0	0.5	0.0	0.0	0.0	12.1	87.1	86.8	T1	<ST1>	C1	D1
240.200	0.00	0.04	0.00	0.00	0.0	0.5	0.0	0.0	0.0	12.1	87.1	86.8	T1	<ST1>	C1	D1
240.400	0.00	0.04	0.00	0.00	0.0	0.5	0.0	0.0	0.0	12.1	87.1	86.8	T1	<ST1>	C1	D1
240.600	0.00	0.04	0.00	0.00	0.0	0.6	0.0	0.0	0.0	12.2	87.1	86.8	T1	<ST1>	C1	D1
240.800	0.00	0.04	0.00	0.00	0.0	0.6	0.0	0.0	0.0	12.2	87.1	86.8	T1	<ST1>	C1	D1
241.000	0.00	0.04	0.00	0.00	0.0	0.6	0.0	0.0	0.0	12.2	87.1	86.8	T1	<ST1>	C1	D1
241.200	0.00	0.04	0.00	0.00	0.0	0.7	0.0	0.0	0.0	12.3	87.1	86.8	T1	<ST1>	C1	D1
241.400	0.00	0.04	0.00	0.00	0.0	0.7	0.0	0.0	0.0	12.3	87.1	86.8	T1	<ST1>	C1	D1
241.600	0.00	0.05	0.00	0.00	0.0	0.8	0.0	0.0	0.0	12.4	87.1	86.8	T1	<ST1>	C1	D1
241.800	0.00	0.05	0.00	0.00	0.0	0.8	0.0	0.0	0.0	12.4	87.1	86.8	T1	<ST1>	C1	D1
242.000	0.00	0.05	0.00	0.00	0.0	0.9	0.0	0.0	0.0	12.5	87.1	86.8	T1	<ST1>	C1	D1
242.200	0.00	0.05	0.00	0.00	0.0	0.9	0.0	0.0	0.0	12.5	87.1	86.8	T1	<ST1>	C1	D1



Istram 23.01.01.13 24/05/23 17:23:55 200207

PROYECTO :
GRUPO : 3 : CAMINOS
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 46 : CARRIL BICI (ISPOL46.vol)

pagi na 5

* * * S U P E R F I C I E S D E S I E M B R A * * *

* * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA							
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN					
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr				
242.400	0.00	0.05	0.00	0.00	0.0	1.0	0.0	0.0	0.0	12.6	87.1	86.8	T1	<ST1>	C1	D1
242.600	0.00	0.05	0.00	0.00	0.0	1.0	0.0	0.0	0.0	12.6	87.1	86.8	T1	<ST1>	C1	D1
242.800	0.00	0.05	0.00	0.00	0.0	1.1	0.0	0.0	0.0	12.7	87.1	86.8	T1	<ST1>	C1	D1
243.000	0.00	0.06	0.00	0.00	0.0	1.1	0.0	0.0	0.0	12.7	87.1	86.8	T1	<ST1>	C1	D1
243.200	0.00	0.06	0.00	0.00	0.0	1.2	0.0	0.0	0.0	12.8	87.1	86.8	T1	<ST1>	C1	D1
243.400	0.00	0.06	0.00	0.00	0.0	1.3	0.0	0.0	0.0	12.9	87.1	86.8	T1	<ST1>	C1	D1
243.546	0.00	0.04	0.00	0.00	0.0	1.3	0.0	0.0	0.0	12.9	87.1	86.8	T1	<ST1>	C1	D1
245.000	0.00	0.44	0.00	0.00	0.0	1.7	0.0	0.0	0.0	13.3	87.1	86.8	T1	<ST1>	C1	D1
245.599	0.00	0.18	0.00	0.00	0.0	1.9	0.0	0.0	0.0	13.5	87.1	86.8	T1	<ST1>	C1	D1



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pagina 1

PROYECTO :
GRUPO : 3 : CAMINOS
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 47 : CAMINO 2+200 - 2+500 MI (ISPOL47.vol)

* * * SUPERFICIES DE SIEMBRA * * *
* * * * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA								
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN						
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr					
0.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D1	C1	<ST1>	C1	D1
2.000	0.00	0.15	0.00	0.00	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0	D1	C1	<ST1>	C1	D1
4.000	0.00	0.27	0.00	0.00	0.0	0.4	0.0	0.0	0.0	0.4	0.0	0.0	D1	C1	<ST1>	C1	D1
6.000	0.00	0.33	0.00	0.00	0.0	0.8	0.0	0.0	0.0	0.8	0.0	0.0	D1	C1	<ST1>	C1	D1
8.000	0.00	0.34	0.00	0.00	0.0	1.1	0.0	0.0	0.0	1.1	0.0	0.0	D1	C1	<ST1>	C1	D1
10.000	0.00	0.32	0.00	0.00	0.0	1.4	0.0	0.0	0.0	1.4	0.0	0.0	D1	C1	<ST1>	C1	D1
12.000	0.00	0.29	0.00	0.00	0.0	1.7	0.0	0.0	0.0	1.7	0.0	0.0	D1	C1	<ST1>	C1	D1
14.000	0.00	0.26	0.00	0.00	0.0	2.0	0.0	0.0	0.0	2.0	0.0	0.0	D1	C1	<ST1>	C1	D1
16.000	0.00	0.21	0.00	0.00	0.0	2.2	0.0	0.0	0.0	2.2	0.0	0.0	D1	C1	<ST1>	C1	D1
18.000	0.00	0.16	0.00	0.00	0.0	2.3	0.0	0.0	0.0	2.3	0.0	0.0	D1	C1	<ST1>	C1	D1
20.000	0.00	0.10	0.00	0.00	0.0	2.4	0.0	0.0	0.0	2.4	0.0	0.0	D1	C1	<ST1>	C1	D1
22.000	0.00	0.10	0.00	0.00	0.0	2.5	0.0	0.0	0.0	2.5	0.0	0.0	D1	C1	<ST1>	C1	D1
24.000	0.00	0.22	0.00	0.00	0.0	2.7	0.0	0.0	0.0	2.7	0.0	0.0	D1	C1	<ST1>	C1	D1
26.000	0.04	0.39	0.00	0.00	0.0	3.1	0.0	0.0	0.0	3.1	0.0	0.0	D1	C1	<ST1>	C1	D1
27.584	0.07	0.43	0.00	0.00	0.1	3.6	0.0	0.0	0.1	3.6	0.0	0.0	D1	C1	<ST1>	C1	D1
40.000	0.70	3.12	0.00	0.00	0.8	6.7	0.0	0.0	0.8	6.7	0.0	0.0	D1	C1	<ST1>	C1	D1
60.000	1.79	3.92	0.00	0.00	2.6	10.6	0.0	0.0	2.6	10.6	0.0	0.0	D1	C1	<ST1>	C1	D1
66.718	0.40	0.77	0.00	0.00	3.0	11.4	0.0	0.0	3.0	11.4	0.0	0.0	D1	C1	<ST1>	C1	D1
68.000	0.00	0.03	0.00	0.00	0.0	11.4	0.0	0.0	3.0	11.4	0.0	0.0	D1	C1	<ST1>	C1	D1
70.000	0.00	0.01	0.00	0.00	0.0	11.4	0.0	0.0	3.0	11.4	0.0	0.0	D1	C1	<ST1>	C1	D1
72.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	3.0	11.4	0.0	0.0	D1	C1	<ST1>	C1	D1
74.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	3.0	11.4	0.0	0.0	D1	C1	<ST1>	C1	D1
76.000	0.01	0.00	0.00	0.00	0.0	0.0	0.0	0.0	3.0	11.4	0.0	0.0	D1	C1	<ST1>	C1	D1
78.000	0.06	0.00	0.00	0.00	0.1	0.0	0.0	0.0	3.1	11.4	0.0	0.0	D1	C1	<ST1>	C1	D1
80.000	0.12	0.00	0.00	0.00	0.2	0.0	0.0	0.0	3.2	11.4	0.0	0.0	D1	C1	<ST1>	C1	D1
82.000	0.18	0.00	0.00	0.00	0.4	0.0	0.0	0.0	3.4	11.4	0.0	0.0	D1	C1	<ST1>	C1	D1
84.000	0.18	0.00	0.00	0.00	0.5	0.0	0.0	0.0	3.5	11.4	0.0	0.0	D1	C1	<ST1>	C1	D1
86.000	0.15	0.00	0.00	0.00	0.7	0.0	0.0	0.0	3.7	11.4	0.0	0.0	D1	C1	<ST1>	C1	D1
88.000	0.18	0.00	0.00	0.00	0.9	0.0	0.0	0.0	3.9	11.4	0.0	0.0	D1	C1	<ST1>	C1	D1
90.000	0.26	0.00	0.00	0.00	1.1	0.0	0.0	0.0	4.1	11.4	0.0	0.0	D1	C1	<ST1>	C1	D1
92.000	0.38	0.00	0.00	0.00	1.5	0.0	0.0	0.0	4.5	11.4	0.0	0.0	D1	C1	<ST1>	C1	D1
94.000	0.51	0.00	0.00	0.00	2.0	0.0	0.0	0.0	5.0	11.4	0.0	0.0	D1	C1	<ST1>	C1	D1
96.000	0.60	0.00	0.00	0.00	2.6	0.0	0.0	0.0	5.6	11.4	0.0	0.0	D1	C1	<ST1>	C1	D1
96.576	0.18	0.00	0.00	0.00	2.8	0.0	0.0	0.0	5.8	11.4	0.0	0.0	D1	C1	<ST1>	C1	D1
100.000	0.90	0.00	0.00	0.00	3.7	0.0	0.0	0.0	6.7	11.4	0.0	0.0	D1	C1	<ST1>	C1	D1
120.000	2.25	0.00	0.00	0.00	6.0	0.0	0.0	0.0	9.0	11.4	0.0	0.0	D1	C1	<ST1>	C1	D1
140.000	1.87	0.00	0.00	0.00	7.8	0.0	0.0	0.0	10.8	11.4	0.0	0.0	D1	C1	<ST1>	C1	D1

160.000	5.68	0.00	0.00	0.00	13.5	0.0	0.0	0.0	16.5	11.4	0.0	0.0	D1	C1	<ST1>	C1	D1
180.000	4.09	0.00	0.00	0.00	17.6	0.0	0.0	0.0	20.6	11.4	0.0	0.0	D1	C1	<ST1>	C1	D1
190.166	0.78	0.00	0.00	0.00	18.4	0.0	0.0	0.0	21.4	11.4	0.0	0.0	D1	C1	<ST1>	C1	D1
200.000	1.89	0.00	0.00	0.00	20.3	0.0	0.0	0.0	23.2	11.4	0.0	0.0	D1	C1	<ST1>	C1	D1
220.000	4.59	0.38	0.00	0.00	24.8	0.4	0.0	0.0	27.8	11.8	0.0	0.0	D1	C1	<ST1>	C1	D1



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PROYECTO :

GRUPO : 3 : CAMINOS

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 47 : CAMINO 2+200 - 2+500 MI (ISPOL47.vol)

pagi na 2

* * * S U P E R F I C I E S D E S I E M B R A * * *

* * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA								
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN						
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr					
220.875	0.14	0.02	0.00	0.00	25.0	0.4	0.0	0.0	28.0	11.8	0.0	0.0	D1	C1	<ST1>	C1	D1
240.000	1.16	0.00	0.00	0.00	26.1	0.0	0.0	0.0	29.1	11.8	0.0	0.0	D1	C1	<ST1>	C1	D1
260.000	0.32	0.00	0.00	0.00	26.5	0.0	0.0	0.0	29.5	11.8	0.0	0.0	D1	C1	<ST1>	C1	D1
280.000	0.32	0.00	0.00	0.00	26.8	0.0	0.0	0.0	29.8	11.8	0.0	0.0	D1	C1	<ST1>	C1	D1
300.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	29.8	11.8	0.0	0.0	D1	C1	<ST1>	C1	D1
317.730	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	29.8	11.8	0.0	0.0	D1	C1	<ST1>	C1	D1
318.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	29.8	11.8	0.0	0.0	D1	C1	<ST1>	C1	D1
320.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	29.8	11.8	0.0	0.0	D1	C1	<ST1>	C1	D1
322.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	29.8	11.8	0.0	0.0	D1	C1	<ST1>	C1	D1
324.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	29.8	11.8	0.0	0.0	D1	C1	<ST1>	C1	D1
326.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	29.8	11.8	0.0	0.0	D1	C1	<ST1>	C1	D1
328.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	29.8	11.8	0.0	0.0	D1	C1	<ST1>	C1	D1
330.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	29.8	11.8	0.0	0.0	D1	C1	<ST1>	C1	D1
332.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	29.8	11.8	0.0	0.0	D1	C1	<ST1>	C1	D1
334.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	29.8	11.8	0.0	0.0	D1	C1	<ST1>	C1	D1
336.000	0.02	0.00	0.00	0.00	0.0	0.0	0.0	0.0	29.8	11.8	0.0	0.0	D1	C1	<ST1>	C1	D1
337.081	0.03	0.00	0.00	0.00	0.1	0.0	0.0	0.0	29.8	11.8	0.0	0.0	D1	C1	<ST1>	C1	D1



Istram 23.01.01.13 24/05/23 17:23:56 200207
PROYECTO :
GRUPO : 8 : REPOSICIÓN PATERNA ED2
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 59 : ROTONDA CAMINO AUTOMOCIÓN (ISPOL59.vol)

* * * S U P E R F I C I E S D E S I E M B R A * * *
* * * * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA				
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	
0.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
2.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
4.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
6.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
8.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
10.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
12.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
14.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
16.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
18.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
20.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
22.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
24.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
26.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
28.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
30.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
32.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
34.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
36.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
38.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
40.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
42.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
44.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
44.742	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
46.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
48.000	0.00	0.00	0.00	0.08	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	T1 <ST1> T1
50.000	0.00	0.00	0.00	0.45	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5	T1 <ST1> T1
52.000	0.00	0.00	0.00	0.95	0.0	0.0	0.0	1.5	0.0	0.0	0.0	1.5	T1 <ST1> T1
54.000	0.00	0.00	0.00	1.47	0.0	0.0	0.0	3.0	0.0	0.0	0.0	3.0	T1 <ST1> T1
56.000	0.00	0.00	0.00	2.02	0.0	0.0	0.0	5.0	0.0	0.0	0.0	5.0	T1 <ST1> T1
58.000	0.00	0.00	0.00	2.46	0.0	0.0	0.0	7.4	0.0	0.0	0.0	7.4	T1 <ST1> T1
60.000	0.00	0.00	0.00	2.75	0.0	0.0	0.0	10.2	0.0	0.0	0.0	10.2	T1 <ST1> T1
62.000	0.00	0.00	0.00	2.90	0.0	0.0	0.0	13.1	0.0	0.0	0.0	13.1	T1 <ST1> T1
64.000	0.00	0.00	0.00	3.01	0.0	0.0	0.0	16.1	0.0	0.0	0.0	16.1	T1 <ST1> T1
64.742	0.00	0.00	0.00	1.15	0.0	0.0	0.0	17.2	0.0	0.0	0.0	17.2	T1 <ST1> T1
66.000	0.00	0.00	0.00	1.92	0.0	0.0	0.0	19.2	0.0	0.0	0.0	19.2	T1 <ST1> T1
68.000	0.00	0.00	0.00	3.08	0.0	0.0	0.0	22.2	0.0	0.0	0.0	22.2	T1 <ST1> T1

70.000	0.00	0.00	0.00	3.25	0.0	0.0	0.0	25.5	0.0	0.0	0.0	25.5	T1	<ST1>	T1
72.000	0.00	0.00	0.00	3.43	0.0	0.0	0.0	28.9	0.0	0.0	0.0	28.9	T1	<ST1>	T1
74.000	0.00	0.00	0.00	3.62	0.0	0.0	0.0	32.6	0.0	0.0	0.0	32.6	T1	<ST1>	T1
76.000	0.00	0.00	0.00	3.82	0.0	0.0	0.0	36.4	0.0	0.0	0.0	36.4	T1	<ST1>	T1
78.000	0.00	0.00	0.00	3.94	0.0	0.0	0.0	40.3	0.0	0.0	0.0	40.3	T1	<ST1>	T1



Istram 23.01.01.13 24/05/23 17:23:56 200207

PROYECTO :

GRUPO : 8 : REPOSICIÓN PATERNA ED2

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 59 : ROTONDA CAMINO AUTOMOCIÓN (ISPOL59.vol)

pagi na 2

* * * S U P E R F I C I E S D E S I E M B R A * * *

* * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA						
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN				
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr			
80.000	0.00	0.00	0.00	4.06	0.0	0.0	0.0	44.4	0.0	0.0	0.0	44.4	T1	<ST1>	T1
82.000	0.00	0.00	0.00	4.35	0.0	0.0	0.0	48.7	0.0	0.0	0.0	48.7	T1	<ST1>	T1
84.000	0.00	0.00	0.00	4.59	0.0	0.0	0.0	53.3	0.0	0.0	0.0	53.3	T1	<ST1>	T1
84.742	0.00	0.00	0.00	1.71	0.0	0.0	0.0	55.0	0.0	0.0	0.0	55.0	T1	<ST1>	T1
86.000	0.00	0.00	0.00	2.91	0.0	0.0	0.0	57.9	0.0	0.0	0.0	57.9	T1	<ST1>	T1
88.000	0.00	0.00	0.00	4.74	0.0	0.0	0.0	62.7	0.0	0.0	0.0	62.7	T1	<ST1>	T1
90.000	0.00	0.00	0.00	4.87	0.0	0.0	0.0	67.5	0.0	0.0	0.0	67.5	T1	<ST1>	T1
92.000	0.00	0.00	0.00	4.90	0.0	0.0	0.0	72.4	0.0	0.0	0.0	72.4	T1	<ST1>	T1
94.000	0.00	0.00	0.00	4.93	0.0	0.0	0.0	77.4	0.0	0.0	0.0	77.4	T1	<ST1>	T1
96.000	0.00	0.00	0.00	5.06	0.0	0.0	0.0	82.4	0.0	0.0	0.0	82.4	T1	<ST1>	T1
98.000	0.00	0.00	0.00	5.19	0.0	0.0	0.0	87.6	0.0	0.0	0.0	87.6	T1	<ST1>	T1
100.000	0.00	0.00	0.00	5.30	0.0	0.0	0.0	92.9	0.0	0.0	0.0	92.9	T1	<ST1>	T1
102.000	0.00	0.00	0.00	5.42	0.0	0.0	0.0	98.3	0.0	0.0	0.0	98.3	T1	<ST1>	T1
104.000	0.00	0.00	0.00	5.60	0.0	0.0	0.0	103.9	0.0	0.0	0.0	103.9	T1	<ST1>	T1
106.000	0.00	0.00	0.00	5.80	0.0	0.0	0.0	109.7	0.0	0.0	0.0	109.7	T1	<ST1>	T1
108.000	0.00	0.00	0.00	5.69	0.0	0.0	0.0	115.4	0.0	0.0	0.0	115.4	T1	<ST1>	T1
110.000	0.00	0.00	0.00	5.31	0.0	0.0	0.0	120.7	0.0	0.0	0.0	120.7	T1	<ST1>	T1
112.000	0.00	0.00	0.00	5.19	0.0	0.0	0.0	125.9	0.0	0.0	0.0	125.9	T1	<ST1>	T1
114.000	0.00	0.00	0.00	5.04	0.0	0.0	0.0	131.0	0.0	0.0	0.0	131.0	T1	<ST1>	T1
116.000	0.00	0.00	0.00	4.81	0.0	0.0	0.0	135.8	0.0	0.0	0.0	135.8	T1	<ST1>	T1
118.000	0.00	0.00	0.00	4.76	0.0	0.0	0.0	140.5	0.0	0.0	0.0	140.5	T1	<ST1>	T1
120.000	0.00	0.00	0.00	4.58	0.0	0.0	0.0	145.1	0.0	0.0	0.0	145.1	T1	<ST1>	T1
122.000	0.00	0.00	0.00	4.28	0.0	0.0	0.0	149.4	0.0	0.0	0.0	149.4	T1	<ST1>	T1
124.000	0.00	0.00	0.00	4.00	0.0	0.0	0.0	153.4	0.0	0.0	0.0	153.4	T1	<ST1>	T1
126.000	0.00	0.00	0.00	3.53	0.0	0.0	0.0	156.9	0.0	0.0	0.0	156.9	T1	<ST1>	T1
128.000	0.00	0.00	0.00	3.36	0.0	0.0	0.0	160.3	0.0	0.0	0.0	160.3	T1	<ST1>	T1
130.000	0.00	0.00	0.00	3.48	0.0	0.0	0.0	163.8	0.0	0.0	0.0	163.8	T1	<ST1>	T1
132.000	0.00	0.00	0.00	3.36	0.0	0.0	0.0	167.1	0.0	0.0	0.0	167.1	T1	<ST1>	T1
132.706	0.00	0.00	0.00	1.15	0.0	0.0	0.0	168.3	0.0	0.0	0.0	168.3	T1	<ST1>	T1
134.000	0.00	0.00	0.00	2.03	0.0	0.0	0.0	170.3	0.0	0.0	0.0	170.3	T1	<ST1>	T1
136.000	0.00	0.00	0.00	2.87	0.0	0.0	0.0	173.2	0.0	0.0	0.0	173.2	T1	<ST1>	T1
138.000	0.00	0.00	0.00	2.57	0.0	0.0	0.0	175.7	0.0	0.0	0.0	175.7	T1	<ST1>	T1

140.000	0.00	0.00	0.00	2.38	0.0	0.0	0.0	178.1	0.0	0.0	0.0	178.1	T1	<ST1>	T1
142.000	0.00	0.00	0.00	2.17	0.0	0.0	0.0	180.3	0.0	0.0	0.0	180.3	T1	<ST1>	T1
144.000	0.00	0.00	0.00	1.87	0.0	0.0	0.0	182.2	0.0	0.0	0.0	182.2	T1	<ST1>	T1
146.000	0.00	0.00	0.00	1.52	0.0	0.0	0.0	183.7	0.0	0.0	0.0	183.7	T1	<ST1>	T1
148.000	0.00	0.00	0.00	1.16	0.0	0.0	0.0	184.8	0.0	0.0	0.0	184.8	T1	<ST1>	T1
150.000	0.00	0.00	0.00	0.81	0.0	0.0	0.0	185.6	0.0	0.0	0.0	185.6	T1	<ST1>	T1
152.000	0.00	0.00	0.00	0.45	0.0	0.0	0.0	186.1	0.0	0.0	0.0	186.1	T1	<ST1>	T1
152.706	0.00	0.00	0.00	0.08	0.0	0.0	0.0	186.2	0.0	0.0	0.0	186.2	T1	<ST1>	T1
154.000	0.00	0.00	0.00	0.05	0.0	0.0	0.0	186.2	0.0	0.0	0.0	186.2	T1	<ST1>	T1
156.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	186.2	T1	<ST1>	T1



Istram 23.01.01.13 24/05/23 17:23:56 200207

PROYECTO :
GRUPO : 8 : REPOSICIÓN PATERNA ED2
C. R. S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 59 : ROTONDA CAMINO AUTOMOCIÓN (ISPOL59.vol)

pagi na 3

* * * S U P E R F I C I E S D E S I E M B R A * * *
* * * * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA						
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN				
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr			
158.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	186.2	T1	<ST1> T1
160.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	186.2	T1	<ST1> T1
162.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	186.2	T1	<ST1> T1
164.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	186.2	T1	<ST1> T1
166.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	186.2	T1	<ST1> T1
168.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	186.2	T1	<ST1> T1
170.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	186.2	T1	<ST1> T1
172.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	186.2	T1	<ST1> T1
172.706	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	186.2	T1	<ST1> T1
174.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	186.2	T1	<ST1> T1
175.929	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	186.2	T1	<ST1> T1

Istram 23.01.01.13 24/05/23 17:23:56 200207
 PROYECTO :
 GRUPO : 8 : REPOSICIÓN PATERNA ED2
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 61 : EJE 61 (ISPOL61.vol)

 * * * SUPERFICIES DE SIEMBRA * * *
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P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA								
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN						
	I z	Dr	I z	Dr	I z	Dr	I z	Dr	I z	Dr	I z	Dr					
0.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1	<ST1>	C1	D1
10.000	0.00	0.43	0.00	0.78	0.0	0.4	0.0	0.8	0.0	0.4	0.0	0.8	0.8	T1	<ST1>	T1	
17.769	0.00	0.00	0.00	1.94	0.0	0.0	0.0	2.7	0.0	0.4	0.0	2.7	2.7	T1	<ST1>	T1	
20.000	0.00	0.00	0.00	0.83	0.0	0.0	0.0	3.6	0.0	0.4	0.0	3.6	3.6	T1	<ST1>	T1	
25.000	0.00	0.00	0.00	2.43	0.0	0.0	0.0	6.0	0.0	0.4	0.0	6.0	6.0	T1	<ST1>	T1	
28.340	0.00	0.00	0.00	2.02	0.0	0.0	0.0	8.0	0.0	0.4	0.0	8.0	8.0	T1	<ST1>	T1	
30.000	0.00	0.00	0.00	1.07	0.0	0.0	0.0	9.1	0.0	0.4	0.0	9.1	9.1	T1	<ST1>	T1	
32.000	0.00	0.00	0.00	1.30	0.0	0.0	0.0	10.4	0.0	0.4	0.0	10.4	10.4	T1	<ST1>	T1	
34.000	0.00	0.00	0.00	1.30	0.0	0.0	0.0	11.7	0.0	0.4	0.0	11.7	11.7	T1	<ST1>	T1	
36.000	0.00	0.00	0.00	1.27	0.0	0.0	0.0	12.9	0.0	0.4	0.0	12.9	12.9	T1	<ST1>	T1	
38.000	0.00	0.00	0.00	1.22	0.0	0.0	0.0	14.2	0.0	0.4	0.0	14.2	14.2	T1	<ST1>	T1	
38.228	0.00	0.00	0.00	0.13	0.0	0.0	0.0	14.3	0.0	0.4	0.0	14.3	14.3	T1	<ST1>	T1	

Istram 23.01.01.13 24/05/23 17:23:56 200207
 PROYECTO :
 GRUPO : 8 : REPOSICIÓN PATERNA ED2
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 62 : EJE 62 (ISPOL62.vol)

 * * * SUPERFICIES DE SIEMBRA * * *
 * * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA				
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	
0.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
0.363	0.00	0.00	0.00	0.57	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.6	T1 <ST1> T1
2.000	0.00	0.00	0.00	2.49	0.0	0.0	0.0	3.1	0.0	0.0	0.0	3.1	T1 <ST1> T1
4.000	0.00	0.00	0.00	2.88	0.0	0.0	0.0	5.9	0.0	0.0	0.0	5.9	T1 <ST1> T1
5.363	0.00	0.00	0.00	1.86	0.0	0.0	0.0	7.8	0.0	0.0	0.0	7.8	T1 <ST1> T1
6.000	0.00	0.00	0.00	0.84	0.0	0.0	0.0	8.6	0.0	0.0	0.0	8.6	T1 <ST1> T1
8.000	0.00	0.00	0.00	2.54	0.0	0.0	0.0	11.2	0.0	0.0	0.0	11.2	T1 <ST1> T1
10.000	0.00	0.00	0.00	2.40	0.0	0.0	0.0	13.6	0.0	0.0	0.0	13.6	T1 <ST1> T1
10.363	0.00	0.00	0.00	0.42	0.0	0.0	0.0	14.0	0.0	0.0	0.0	14.0	T1 <ST1> T1
12.000	0.00	0.00	0.00	1.88	0.0	0.0	0.0	15.9	0.0	0.0	0.0	15.9	T1 <ST1> T1
14.000	0.00	0.00	0.00	2.25	0.0	0.0	0.0	18.1	0.0	0.0	0.0	18.1	T1 <ST1> T1
15.788	0.00	0.00	0.00	1.99	0.0	0.0	0.0	20.1	0.0	0.0	0.0	20.1	T1 <ST1> T1
20.000	0.00	0.00	0.00	4.45	0.0	0.0	0.0	24.6	0.0	0.0	0.0	24.6	T1 <ST1> T1
30.000	0.00	0.00	0.00	8.47	0.0	0.0	0.0	33.0	0.0	0.0	0.0	33.0	T1 <ST1> T1
35.497	0.00	0.00	0.00	3.37	0.0	0.0	0.0	36.4	0.0	0.0	0.0	36.4	T1 <ST1> T1

Istram 23.01.01.13 29/05/23 11:10:16 200207
PROYECTO :
GRUPO : 8 : REPOSICIÓN PATERNA ED2
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 63 : CAMINO 0+780 - 1+920 MD (I SPOL63.vol)

* * * S U P E R F I C I E S D E S I E M B R A * * *
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P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA				
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	
0.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
16.139	0.00	0.00	3.89	18.37	0.0	0.0	3.9	18.4	0.0	0.0	3.9	18.4	T1 <ST1> T1
20.000	0.00	0.00	0.00	3.46	0.0	0.0	0.0	21.8	0.0	0.0	3.9	21.8	T1 <ST1> T1
30.000	0.00	0.00	0.00	8.08	0.0	0.0	0.0	29.9	0.0	0.0	3.9	29.9	T1 <ST1> T1
40.000	0.00	0.00	0.00	7.29	0.0	0.0	0.0	37.2	0.0	0.0	3.9	37.2	T1 <ST1> T1
50.000	0.00	0.00	0.00	7.31	0.0	0.0	0.0	44.5	0.0	0.0	3.9	44.5	T1 <ST1> T1
60.000	0.00	0.00	0.00	5.34	0.0	0.0	0.0	49.9	0.0	0.0	3.9	49.9	T1 <ST1> T1
70.000	0.00	0.00	0.00	1.52	0.0	0.0	0.0	51.4	0.0	0.0	3.9	51.4	T1 <ST1> T1
80.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	3.9	51.4	T1 <ST1> T1
85.070	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	3.9	51.4	T1 <ST1> T1
90.000	0.00	0.00	0.00	0.33	0.0	0.0	0.0	0.3	0.0	0.0	3.9	51.7	T1 <ST1> T1
100.000	0.00	0.00	0.00	2.24	0.0	0.0	0.0	2.6	0.0	0.0	3.9	54.0	T1 <ST1> T1
110.000	0.00	0.00	0.00	4.26	0.0	0.0	0.0	6.8	0.0	0.0	3.9	58.2	T1 <ST1> T1
120.000	0.00	0.00	0.00	5.83	0.0	0.0	0.0	12.7	0.0	0.0	3.9	64.0	T1 <ST1> T1
128.339	0.00	0.00	0.00	5.62	0.0	0.0	0.0	18.3	0.0	0.0	3.9	69.7	T1 <ST1> T1
140.000	0.85	0.00	0.00	11.02	0.8	0.0	0.0	29.3	0.8	0.0	3.9	80.7	D1 C1 <ST1> T1
160.000	2.71	0.00	0.00	25.57	3.6	0.0	0.0	54.9	3.6	0.0	3.9	106.2	D1 C1 <ST1> T1
180.000	1.25	0.00	7.55	26.03	4.8	0.0	7.5	80.9	4.8	0.0	11.4	132.3	T1 <ST1> T1
200.000	0.00	0.00	14.82	26.15	0.0	0.0	22.4	107.0	4.8	0.0	26.3	158.4	T1 <ST1> T1
220.000	0.00	0.00	11.50	25.02	0.0	0.0	33.9	132.1	4.8	0.0	37.8	183.4	T1 <ST1> T1
240.000	0.00	0.00	4.22	18.28	0.0	0.0	38.1	150.3	4.8	0.0	42.0	201.7	T1 <ST1> T1
260.000	0.00	0.00	0.00	7.70	0.0	0.0	0.0	158.0	4.8	0.0	42.0	209.4	T1 <ST1> T1
280.000	0.00	0.00	0.00	2.29	0.0	0.0	0.0	160.3	4.8	0.0	42.0	211.7	T1 <ST1> T1
300.000	0.00	0.00	2.10	8.07	0.0	0.0	2.1	168.4	4.8	0.0	44.1	219.8	T1 <ST1> T1
320.000	0.00	0.00	7.30	17.16	0.0	0.0	9.4	185.6	4.8	0.0	51.4	236.9	T1 <ST1> T1
340.000	0.00	0.00	5.20	25.88	0.0	0.0	14.6	211.4	4.8	0.0	56.6	262.8	T1 <ST1> T1
360.000	14.36	12.79	0.00	14.93	14.4	12.8	0.0	226.4	19.2	12.8	56.6	277.8	D1 C1 <ST1> C1 D1
360.447	0.64	0.58	0.00	0.00	15.0	13.4	0.0	0.0	19.8	13.4	56.6	277.8	D1 C1 <ST1> C1 D1
380.000	31.05	34.05	0.00	0.00	46.0	47.4	0.0	0.0	50.9	47.4	56.6	277.8	D1 C1 <ST1> C1 D1
396.897	34.27	43.68	0.00	0.00	80.3	91.1	0.0	0.0	85.1	91.1	56.6	277.8	D1 C1 <ST1> C1 D1
400.000	7.42	9.59	0.00	0.00	87.7	100.7	0.0	0.0	92.5	100.7	56.6	277.8	D1 C1 <ST1> C1 D1
420.000	51.86	74.17	0.00	0.00	139.6	174.8	0.0	0.0	144.4	174.8	56.6	277.8	D1 C1 <ST1> C1 D1
425.443	14.61	23.35	0.00	0.00	154.2	198.2	0.0	0.0	159.0	198.2	56.6	277.8	D1 C1 <ST1> C1 D1
440.000	30.08	58.76	0.00	0.00	184.3	256.9	0.0	0.0	189.1	256.9	56.6	277.8	D1 C1 <ST1> C1 D1
460.000	14.73	37.15	0.00	0.00	199.0	294.1	0.0	0.0	203.8	294.1	56.6	277.8	T1 <ST1> T1
461.893	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	203.8	294.1	56.6	277.8	T1 <ST1> T1
480.000	0.00	0.00	3.94	0.00	0.0	0.0	3.9	0.0	203.8	294.1	60.5	277.8	T1 <ST1> T1
498.343	0.00	0.00	19.81	18.45	0.0	0.0	23.8	18.5	203.8	294.1	80.3	296.2	T1 <ST1> T1

500.000	0.00	0.00	2.75	3.37	0.0	0.0	26.5	21.8	203.8	294.1	83.1	299.6	T1	<ST1>	T1
520.000	0.00	0.00	33.48	36.53	0.0	0.0	60.0	58.4	203.8	294.1	116.6	336.1	T1	<ST1>	T1
540.000	0.00	0.00	38.96	32.30	0.0	0.0	98.9	90.7	203.8	294.1	155.5	368.4	T1	<ST1>	T1
557.861	0.00	0.00	31.39	14.58	0.0	0.0	130.3	105.2	203.8	294.1	186.9	383.0	T1	<ST1>	T1



Istram 23.01.01.13 29/05/23 11:10:16 200207

PROYECTO :

GRUPO : 8 : REPOSICIÓN PATERNA ED2

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 63 : CAMINO 0+780 - 1+920 MD (ISPOL63.vol)

pagi na

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S U P E R F I C I E S D E S I E M B R A

* * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA						
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN				
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr			
560.000	0.00	0.00	3.30	0.00	0.0	0.0	133.6	0.0	203.8	294.1	190.2	383.0	T1	<ST1>	T1
580.000	5.88	18.30	17.18	0.00	5.9	18.3	150.8	0.0	209.7	312.4	207.4	383.0	D1	C1	<ST1> C1 D1
594.311	17.64	32.06	0.00	0.00	23.5	50.4	0.0	0.0	227.4	344.5	207.4	383.0	D1	C1	<ST1> C1 D1
600.000	10.62	15.79	0.00	0.00	34.1	66.2	0.0	0.0	238.0	360.3	207.4	383.0	D1	C1	<ST1> C1 D1
620.000	40.12	62.69	0.00	0.00	74.3	128.8	0.0	0.0	278.1	422.9	207.4	383.0	D1	C1	<ST1> C1 D1
630.761	24.33	37.34	0.00	0.00	98.6	166.2	0.0	0.0	302.4	460.3	207.4	383.0	D1	C1	<ST1> C1 D1
640.000	20.16	32.40	0.00	0.00	118.7	198.6	0.0	0.0	322.6	492.7	207.4	383.0	D1	C1	<ST1> C1 D1
647.161	13.49	24.07	0.00	0.00	132.2	222.7	0.0	0.0	336.1	516.8	207.4	383.0	D1	C1	<ST1> C1 D1
660.000	23.25	38.68	0.00	0.00	155.5	261.3	0.0	0.0	359.3	555.4	207.4	383.0	D1	C1	<ST1> C1 D1
676.321	29.41	36.05	0.00	0.00	184.9	297.4	0.0	0.0	388.7	591.5	207.4	383.0	D1	C1	<ST1> C1 D1
680.000	6.37	5.90	0.00	0.00	191.3	303.3	0.0	0.0	395.1	597.4	207.4	383.0	D1	C1	<ST1> C1 D1
700.000	20.72	23.98	0.00	0.00	212.0	327.3	0.0	0.0	415.8	621.4	207.4	383.0	D1	C1	<ST1> C1 D1
720.000	3.59	14.09	0.00	0.00	215.6	341.4	0.0	0.0	419.4	635.5	207.4	383.0	T1	<ST1>	C1 D1
740.000	0.00	12.76	0.00	0.00	0.0	354.1	0.0	0.0	419.4	648.2	207.4	383.0	T1	<ST1>	C1 D1
760.000	5.02	18.29	0.00	0.00	5.0	372.4	0.0	0.0	424.4	666.5	207.4	383.0	D1	C1	<ST1> C1 D1
780.000	5.02	14.77	0.00	0.00	10.0	387.2	0.0	0.0	429.4	681.3	207.4	383.0	T1	<ST1>	C1 D1
800.000	0.00	3.75	1.51	0.00	0.0	390.9	1.5	0.0	429.4	685.0	208.9	383.0	T1	<ST1>	T1
820.000	0.00	0.00	9.54	17.90	0.0	0.0	11.1	17.9	429.4	685.0	218.4	400.9	T1	<ST1>	T1
840.000	0.00	0.00	26.20	34.21	0.0	0.0	37.2	52.1	429.4	685.0	244.6	435.1	T1	<ST1>	T1
860.000	0.00	0.00	44.97	18.19	0.0	0.0	82.2	70.3	429.4	685.0	289.6	453.3	T1	<ST1>	T1
880.000	0.00	0.00	30.63	1.87	0.0	0.0	112.8	72.2	429.4	685.0	320.2	455.2	T1	<ST1>	T1
900.000	0.00	1.53	3.82	0.00	0.0	1.5	116.7	0.0	429.4	686.5	324.1	455.2	T1	<ST1>	C1 D1
920.000	0.00	5.97	0.00	0.00	0.0	7.5	0.0	0.0	429.4	692.5	324.1	455.2	T1	<ST1>	C1 D1
940.000	0.00	10.90	0.00	0.00	0.0	18.4	0.0	0.0	429.4	703.4	324.1	455.2	T1	<ST1>	C1 D1
960.000	0.00	6.46	6.08	0.00	0.0	24.9	6.1	0.0	429.4	709.9	330.1	455.2	T1	<ST1>	T1
980.000	0.00	0.00	98.11	0.00	0.0	0.0	104.2	0.0	429.4	709.9	428.2	455.2	T2	<ST2>	T2
1000.000	0.00	3.93	191.23	0.00	0.0	3.9	295.4	0.0	429.4	713.8	619.5	455.2	T2	<ST2>	C2 D2
1020.000	0.00	5.62	206.24	0.00	0.0	9.6	501.7	0.0	429.4	719.4	825.7	455.2	T2	<ST2>	C2 D2
1040.000	0.00	3.97	217.57	0.00	0.0	13.5	719.2	0.0	429.4	723.4	1043.3	455.2	T2	<ST2>	C2 D2
1060.000	0.00	7.43	225.59	0.00	0.0	21.0	944.8	0.0	429.4	730.8	1268.9	455.2	T2	<ST2>	C2 D2
1080.000	0.00	21.84	115.07	0.00	0.0	42.8	1059.9	0.0	429.4	752.7	1384.0	455.2	D2	C2	<ST2> C2 D2
1100.000	0.00	56.23	0.00	0.00	0.0	99.0	0.0	0.0	429.4	808.9	1384.0	455.2	D2	C2	<ST2> C2 D2
1120.000	0.00	96.99	97.61	0.00	0.0	196.0	97.6	0.0	429.4	905.9	1481.6	455.2	T2	<ST2>	C2 D2

1132.490	0.00	71.59	114.30	0.00	0.0	267.6	211.9	0.0	429.4	977.5	1595.9	455.2	T2	<ST2>	C2	D2
1140.000	0.00	42.50	61.37	0.00	0.0	310.1	273.3	0.0	429.4	1020.0	1657.2	455.2	T2	<ST2>	C2	D2
1160.000	0.00	85.64	139.68	0.00	0.0	395.7	413.0	0.0	429.4	1105.6	1796.9	455.2	T2	<ST2>	C2	D2
1167.983	0.00	18.57	47.27	0.00	0.0	414.3	460.2	0.0	429.4	1124.2	1844.2	455.2	T2	<ST2>	C2	D2
1180.000	0.00	14.60	61.98	0.00	0.0	428.9	522.2	0.0	429.4	1138.8	1906.2	455.2	T2	<ST2>	C2	D2
1200.000	0.00	11.06	46.39	0.00	0.0	440.0	568.6	0.0	429.4	1149.8	1952.6	455.2	T1	<ST1>	C1	D1
1203.689	0.00	1.53	0.39	0.00	0.0	441.5	569.0	0.0	429.4	1151.4	1952.9	455.2	T1	<ST1>	C1	D1
1220.000	0.00	3.75	2.99	0.00	0.0	445.3	572.0	0.0	429.4	1155.1	1955.9	455.2	T1	<ST1>	T1	
1240.000	0.00	0.00	8.79	4.77	0.0	0.0	580.8	4.8	429.4	1155.1	1964.7	459.9	T1	<ST1>	T1	



Istram 23.01.01.13 29/05/23 11:10:16 200207

PROYECTO :
GRUPO : 8 : REPOSICIÓN PATERNA ED2
C. R. S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 63 : CAMINO 0+780 - 1+920 MD (ISPOL63.vol)

pagi na 3

* * * S U P E R F I C I E S D E S I E M B R A * * *

* * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA							
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN					
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr				
1244.022	0.00	0.00	3.35	2.49	0.0	0.0	584.1	7.3	429.4	1155.1	1968.1	462.4	T1	<ST1>	T1	
1260.000	0.00	0.00	25.76	21.73	0.0	0.0	609.9	29.0	429.4	1155.1	1993.8	484.1	T1	<ST1>	T1	
1274.847	0.00	0.00	50.26	36.39	0.0	0.0	660.1	65.4	429.4	1155.1	2044.1	520.5	T1	<ST1>	T1	
1274.848	0.00	0.00	0.00	0.00	0.0	0.0	660.1	65.4	429.4	1155.1	2044.1	520.5	T1	<ST1>	T1	
1280.000	0.00	0.00	24.31	16.24	0.0	0.0	684.5	81.6	429.4	1155.1	2068.4	536.8	T1	<ST1>	T1	
1300.000	0.00	0.00	132.85	95.50	0.0	0.0	817.3	177.1	429.4	1155.1	2201.3	632.3	T1	<ST1>	T1	
1307.777	0.00	0.00	68.06	52.21	0.0	0.0	885.4	229.3	429.4	1155.1	2269.3	684.5	T1	<ST1>	T1	
1310.000	0.00	0.00	20.96	16.38	0.0	0.0	906.3	245.7	429.4	1155.1	2290.3	700.9	T1	<ST1>	T1	
1315.000	0.00	0.00	48.88	38.57	0.0	0.0	955.2	284.3	429.4	1155.1	2339.2	739.4	T1	<ST1>	T1	
1320.000	0.00	0.00	50.70	40.71	0.0	0.0	1005.9	325.0	429.4	1155.1	2389.9	780.1	T1	<ST1>	T1	
1324.848	0.00	0.00	49.99	41.49	0.0	0.0	1055.9	366.5	429.4	1155.1	2439.9	821.6	T1	<ST1>	T1	
1325.000	0.00	0.00	1.57	1.33	0.0	0.0	1057.5	367.8	429.4	1155.1	2441.4	823.0	T1	<ST1>	T1	
1330.000	0.00	0.00	51.87	44.74	0.0	0.0	1109.3	412.6	429.4	1155.1	2493.3	867.7	T1	<ST1>	T1	
1332.277	0.00	0.00	23.58	20.85	0.0	0.0	1132.9	433.4	429.4	1155.1	2516.9	888.6	T1	<ST1>	T1	
1335.000	0.00	0.00	28.22	25.12	0.0	0.0	1161.1	458.5	429.4	1155.1	2545.1	913.7	T1	<ST1>	T1	
1340.000	0.00	0.00	51.93	46.46	0.0	0.0	1213.1	505.0	429.4	1155.1	2597.0	960.1	T1	<ST1>	T1	
1345.000	0.00	0.00	53.23	46.42	0.0	0.0	1266.3	551.4	429.4	1155.1	2650.2	1006.6	T1	<ST1>	T1	
1350.000	0.00	0.00	50.54	45.56	0.0	0.0	1316.8	597.0	429.4	1155.1	2700.8	1052.1	T1	<ST1>	T1	
1355.000	0.00	0.00	47.83	43.93	0.0	0.0	1364.7	640.9	429.4	1155.1	2748.6	1096.1	T1	<ST1>	T1	
1360.000	0.00	0.00	48.46	42.14	0.0	0.0	1413.1	683.0	429.4	1155.1	2797.1	1138.2	T1	<ST1>	T1	
1361.225	0.00	0.00	11.61	10.09	0.0	0.0	1424.7	693.1	429.4	1155.1	2808.7	1148.3	T1	<ST1>	T1	
1365.000	0.00	0.00	34.99	30.43	0.0	0.0	1459.7	723.6	429.4	1155.1	2843.7	1178.7	T1	<ST1>	T1	
1370.000	0.00	0.00	45.03	38.71	0.0	0.0	1504.8	762.3	429.4	1155.1	2888.7	1217.4	T1	<ST1>	T1	
1375.000	0.00	0.00	42.74	36.74	0.0	0.0	1547.5	799.0	429.4	1155.1	2931.4	1254.2	T1	<ST1>	T1	
1380.000	0.00	0.00	39.25	34.69	0.0	0.0	1586.7	833.7	429.4	1155.1	2970.7	1288.9	T1	<ST1>	T1	
1385.000	0.00	0.00	36.29	33.00	0.0	0.0	1623.0	866.7	429.4	1155.1	3007.0	1321.9	T1	<ST1>	T1	
1385.725	0.00	0.00	5.06	4.64	0.0	0.0	1628.1	871.4	429.4	1155.1	3012.0	1326.5	T1	<ST1>	T1	



Istram 23.01.01.13 24/05/23 17:23:56 200207
PROYECTO :
GRUPO : 8 : REPOSICIÓN PATERNA ED2
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 64 : EJE 64 (ISPOL64.vol)

* * * S U P E R F I C I E S D E S I E M B R A * * *
* * * * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA				
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
	I z	Dr	I z	Dr	I z	Dr	I z	Dr	I z	Dr	I z	Dr	
0.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
0.282	0.00	0.00	0.00	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
7.782	0.00	0.00	0.00	3.03	0.0	0.0	0.0	3.1	0.0	0.0	0.0	3.1	T1 <ST1> T1
9.525	0.00	0.00	0.00	1.19	0.0	0.0	0.0	4.3	0.0	0.0	0.0	4.3	T1 <ST1> T1
10.000	0.00	0.00	0.00	0.35	0.0	0.0	0.0	4.6	0.0	0.0	0.0	4.6	T1 <ST1> T1
12.000	0.00	0.00	0.00	1.54	0.0	0.0	0.0	6.1	0.0	0.0	0.0	6.1	T1 <ST1> T1
14.000	0.00	0.00	0.00	1.58	0.0	0.0	0.0	7.7	0.0	0.0	0.0	7.7	T1 <ST1> T1
15.282	0.00	0.00	0.00	0.99	0.0	0.0	0.0	8.7	0.0	0.0	0.0	8.7	T1 <ST1> T1
16.000	0.00	0.00	0.00	0.53	0.0	0.0	0.0	9.2	0.0	0.0	0.0	9.2	T1 <ST1> T1
18.000	0.00	0.00	0.00	1.38	0.0	0.0	0.0	10.6	0.0	0.0	0.0	10.6	T1 <ST1> T1
20.000	0.00	0.00	0.00	1.21	0.0	0.0	0.0	11.8	0.0	0.0	0.0	11.8	T1 <ST1> T1
20.452	0.00	0.00	0.00	0.25	0.0	0.0	0.0	12.1	0.0	0.0	0.0	12.1	T1 <ST1> T1

Istram 23.01.01.13 24/05/23 17:23:57 200207
 PROYECTO :
 GRUPO : 8 : REPOSICIÓN PATERNA ED2
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 65 : EJE 65 (ISPOL65.vol)

 * * * SUPERFICIES DE SIEMBRA * * *
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P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA				
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	
0.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
2.000	0.00	0.00	0.00	3.65	0.0	0.0	0.0	3.7	0.0	0.0	0.0	3.7	T1 <ST1> T1
4.000	0.00	0.00	0.00	3.79	0.0	0.0	0.0	7.4	0.0	0.0	0.0	7.4	T1 <ST1> T1
5.451	0.00	0.00	0.00	2.74	0.0	0.0	0.0	10.2	0.0	0.0	0.0	10.2	T1 <ST1> T1
6.000	0.00	0.00	0.00	1.03	0.0	0.0	0.0	11.2	0.0	0.0	0.0	11.2	T1 <ST1> T1
8.000	0.00	0.00	0.00	3.69	0.0	0.0	0.0	14.9	0.0	0.0	0.0	14.9	T1 <ST1> T1
10.000	0.00	0.00	0.00	3.60	0.0	0.0	0.0	18.5	0.0	0.0	0.0	18.5	T1 <ST1> T1
11.879	0.00	0.00	0.00	3.30	0.0	0.0	0.0	21.8	0.0	0.0	0.0	21.8	T1 <ST1> T1
12.000	0.00	0.00	0.00	0.21	0.0	0.0	0.0	22.0	0.0	0.0	0.0	22.0	T1 <ST1> T1
12.462	0.00	0.00	0.00	0.80	0.0	0.0	0.0	22.8	0.0	0.0	0.0	22.8	T1 <ST1> T1
12.951	0.00	0.00	0.00	0.84	0.0	0.0	0.0	23.6	0.0	0.0	0.0	23.6	T1 <ST1> T1
15.000	0.00	0.00	0.00	3.42	0.0	0.0	0.0	27.1	0.0	0.0	0.0	27.1	T1 <ST1> T1
20.000	0.00	0.00	0.00	7.53	0.0	0.0	0.0	34.6	0.0	0.0	0.0	34.6	T1 <ST1> T1
20.451	0.00	0.00	0.00	0.62	0.0	0.0	0.0	35.2	0.0	0.0	0.0	35.2	T1 <ST1> T1
20.564	0.00	0.00	0.00	0.15	0.0	0.0	0.0	35.4	0.0	0.0	0.0	35.4	T1 <ST1> T1



Istram 23.01.01.13 24/05/23 17:23:57 200207
PROYECTO :
GRUPO : 8 : REPOSICIÓN PATERNA ED2
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 66 : REPOSICIÓN CAMINO LA CANYADA 2 (ISPOL66.vol)

* * * S U P E R F I C I E S D E S I E M B R A * * *
* * * * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA				
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	
0.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> C1 D1
1.792	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
20.000	1.34	0.00	0.00	0.00	1.3	0.0	0.0	0.0	1.3	0.0	0.0	0.0	D1 C1 <ST1> T1
21.792	0.13	0.00	0.00	0.00	1.5	0.0	0.0	0.0	1.5	0.0	0.0	0.0	T1 <ST1> C1 D1
40.000	3.64	0.01	0.00	0.00	5.1	0.0	0.0	0.0	5.1	0.0	0.0	0.0	D1 C1 <ST1> T1
41.792	1.11	0.00	0.00	0.00	6.2	0.0	0.0	0.0	6.2	0.0	0.0	0.0	D1 C1 <ST1> T1
60.000	7.60	0.00	0.00	0.00	13.8	0.0	0.0	0.0	13.8	0.0	0.0	0.0	T1 <ST1> T1
77.330	0.00	0.00	5.94	0.00	0.0	0.0	5.9	0.0	13.8	0.0	5.9	0.0	T1 <ST1> T1
80.000	0.00	0.00	1.80	0.00	0.0	0.0	7.7	0.0	13.8	0.0	7.7	0.0	T1 <ST1> T1
85.000	0.00	0.00	3.77	0.35	0.0	0.0	11.5	0.4	13.8	0.0	11.5	0.4	T1 <ST1> T1
89.330	0.00	0.00	4.02	0.68	0.0	0.0	15.5	1.0	13.8	0.0	15.5	1.0	T1 <ST1> T1
90.000	0.00	0.00	0.69	0.12	0.0	0.0	16.2	1.2	13.8	0.0	16.2	1.2	T1 <ST1> T1
95.000	0.00	0.00	6.12	0.45	0.0	0.0	22.3	1.6	13.8	0.0	22.3	1.6	T1 <ST1> T1
97.965	0.00	0.00	4.35	0.06	0.0	0.0	26.7	1.7	13.8	0.0	26.7	1.7	T1 <ST1> T1
100.000	0.00	0.00	3.19	0.28	0.0	0.0	29.9	1.9	13.8	0.0	29.9	1.9	T1 <ST1> T1
105.000	0.00	0.00	8.61	1.84	0.0	0.0	38.5	3.8	13.8	0.0	38.5	3.8	T1 <ST1> T1
106.185	0.00	0.00	2.21	0.59	0.0	0.0	40.7	4.4	13.8	0.0	40.7	4.4	T1 <ST1> T1
109.963	0.00	0.00	7.32	2.08	0.0	0.0	48.0	6.4	13.8	0.0	48.0	6.4	T1 <ST1> T1
110.000	0.00	0.00	0.07	0.02	0.0	0.0	48.1	6.5	13.8	0.0	48.1	6.5	T1 <ST1> T1
115.000	0.00	0.00	10.20	3.48	0.0	0.0	58.3	9.9	13.8	0.0	58.3	9.9	T1 <ST1> T1
120.000	0.00	0.00	11.23	4.31	0.0	0.0	69.5	14.3	13.8	0.0	69.5	14.3	T1 <ST1> T1
121.962	0.00	0.00	4.79	1.90	0.0	0.0	74.3	16.2	13.8	0.0	74.3	16.2	T1 <ST1> T1
125.000	0.00	0.00	7.79	3.19	0.0	0.0	82.1	19.3	13.8	0.0	82.1	19.3	T1 <ST1> T1
126.185	0.00	0.00	3.14	1.35	0.0	0.0	85.3	20.7	13.8	0.0	85.3	20.7	T1 <ST1> T1
130.000	0.00	0.00	10.42	4.82	0.0	0.0	95.7	25.5	13.8	0.0	95.7	25.5	T1 <ST1> T1
135.000	0.00	0.00	14.39	7.28	0.0	0.0	110.1	32.8	13.8	0.0	110.1	32.8	T1 <ST1> T1
140.000	0.00	0.00	15.50	8.14	0.0	0.0	125.6	40.9	13.8	0.0	125.6	40.9	T1 <ST1> T1
145.000	0.00	0.00	16.51	8.70	0.0	0.0	142.1	49.6	13.8	0.0	142.1	49.6	T1 <ST1> T1
146.185	0.00	0.00	3.93	2.11	0.0	0.0	146.0	51.7	13.8	0.0	146.0	51.7	T1 <ST1> T1
149.455	0.00	0.00	10.65	5.80	0.0	0.0	156.7	57.5	13.8	0.0	156.7	57.5	T1 <ST1> T1



Istram 23.01.01.13 24/05/23 17:23:57 200207
PROYECTO :
GRUPO : 8 : REPOSICIÓN PATERNA ED2
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 67 : EJE 67 (ISPOL67.vol)

* * * S U P E R F I C I E S D E S I E M B R A * * *
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P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA				
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	
0.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
2.000	0.00	0.00	0.00	3.61	0.0	0.0	0.0	3.6	0.0	0.0	0.0	3.6	T1 <ST1> T1
3.627	0.00	0.00	0.00	3.00	0.0	0.0	0.0	6.6	0.0	0.0	0.0	6.6	T1 <ST1> T1
4.000	0.00	0.00	0.00	0.69	0.0	0.0	0.0	7.3	0.0	0.0	0.0	7.3	T1 <ST1> T1
6.000	0.00	0.00	0.00	3.75	0.0	0.0	0.0	11.1	0.0	0.0	0.0	11.1	T1 <ST1> T1
7.739	0.00	0.00	0.00	3.29	0.0	0.0	0.0	14.3	0.0	0.0	0.0	14.3	T1 <ST1> T1
8.000	0.00	0.00	0.00	0.50	0.0	0.0	0.0	14.8	0.0	0.0	0.0	14.8	T1 <ST1> T1
10.000	0.00	0.00	0.00	3.87	0.0	0.0	0.0	18.7	0.0	0.0	0.0	18.7	T1 <ST1> T1
11.127	0.00	0.00	0.00	2.21	0.0	0.0	0.0	20.9	0.0	0.0	0.0	20.9	T1 <ST1> T1
12.000	0.00	0.00	0.00	1.71	0.0	0.0	0.0	22.6	0.0	0.0	0.0	22.6	T1 <ST1> T1
14.000	0.00	0.00	0.00	3.93	0.0	0.0	0.0	26.6	0.0	0.0	0.0	26.6	T1 <ST1> T1
16.000	0.00	0.00	0.00	3.95	0.0	0.0	0.0	30.5	0.0	0.0	0.0	30.5	T1 <ST1> T1
18.000	0.00	0.00	0.00	3.93	0.0	0.0	0.0	34.4	0.0	0.0	0.0	34.4	T1 <ST1> T1
18.627	0.00	0.00	0.00	1.20	0.0	0.0	0.0	35.6	0.0	0.0	0.0	35.6	T1 <ST1> T1
19.873	0.00	0.00	0.00	2.31	0.0	0.0	0.0	37.9	0.0	0.0	0.0	37.9	T1 <ST1> T1



Istram 23.01.01.13 24/05/23 17:23:57 200207
PROYECTO :
GRUPO : 8 : REPOSICIÓN PATERNA ED2
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 68 : EJE 68 (ISPOL68.vol)

* * * S U P E R F I C I E S D E S I E M B R A * * *
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P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA				
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		
	I z	Dr	I z	Dr	I z	Dr	I z	Dr	I z	Dr	I z	Dr	
0.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1 <ST1> T1
2.000	0.00	0.00	0.00	5.62	0.0	0.0	0.0	5.6	0.0	0.0	0.0	5.6	T1 <ST1> T1
4.000	0.00	0.00	0.00	5.80	0.0	0.0	0.0	11.4	0.0	0.0	0.0	11.4	T1 <ST1> T1
4.672	0.00	0.00	0.00	2.00	0.0	0.0	0.0	13.4	0.0	0.0	0.0	13.4	T1 <ST1> T1
6.000	0.00	0.00	0.00	4.02	0.0	0.0	0.0	17.4	0.0	0.0	0.0	17.4	T1 <ST1> T1
8.000	0.00	0.00	0.00	6.12	0.0	0.0	0.0	23.6	0.0	0.0	0.0	23.6	T1 <ST1> T1
10.000	0.00	0.00	0.00	5.97	0.0	0.0	0.0	29.5	0.0	0.0	0.0	29.5	T1 <ST1> T1
11.338	0.00	0.00	0.00	3.90	0.0	0.0	0.0	33.4	0.0	0.0	0.0	33.4	T1 <ST1> T1
12.000	0.00	0.00	0.00	1.93	0.0	0.0	0.0	35.3	0.0	0.0	0.0	35.3	T1 <ST1> T1
13.872	0.00	0.00	0.00	5.46	0.0	0.0	0.0	40.8	0.0	0.0	0.0	40.8	T1 <ST1> T1
14.672	0.00	0.00	0.00	2.34	0.0	0.0	0.0	43.1	0.0	0.0	0.0	43.1	T1 <ST1> T1
15.000	0.00	0.00	0.00	0.96	0.0	0.0	0.0	44.1	0.0	0.0	0.0	44.1	T1 <ST1> T1
20.000	0.00	0.00	0.00	15.30	0.0	0.0	0.0	59.4	0.0	0.0	0.0	59.4	T1 <ST1> T1
24.672	0.00	0.00	0.00	15.20	0.0	0.0	0.0	74.6	0.0	0.0	0.0	74.6	T1 <ST1> T1
24.674	0.00	0.00	0.00	0.01	0.0	0.0	0.0	74.6	0.0	0.0	0.0	74.6	T1 <ST1> T1

 * * * SUPERFICIES DE SIEMBRA * * *
 * * * * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA							
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN					
	lz	Dr	lz	Dr	lz	Dr	lz	Dr	lz	Dr	lz	Dr				
0.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1	<ST1>	T1
1.032	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1	<ST1>	T1
2.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1	<ST1>	T1
4.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1	<ST1>	T1
6.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1	<ST1>	T1
8.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1	<ST1>	T1
10.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1	<ST1>	T1
12.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1	<ST1>	T1
12.229	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1	<ST1>	T1
13.532	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1	<ST1>	T1
15.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1	<ST1>	T1
20.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1	<ST1>	T1
23.091	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1	<ST1>	T1
25.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1	<ST1>	T1
26.032	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1	<ST1>	T1
30.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1	<ST1>	T1
34.526	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1	<ST1>	T1

Istram 23.01.01.13 24/05/23 17:23:57 200207
 PROYECTO :
 GRUPO : 8 : REPOSICIÓN PATERNA ED2
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 70 : EJE70 (ISPOL70.vol)

 * * * SUPERFICIES DE SIEMBRA * * *
 * * *

P. K.	AREAS PARCIALES				SUPERFICIE POR ZONAS				SUPERFICIE ACUMULADA							
	DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN		DESMONTE		TERRAPLEN					
	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr	Iz	Dr				
0.000	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T1	<ST1>	T1
0.256	0.00	0.00	0.00	0.26	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	T1	<ST1>	T1
5.000	0.00	0.00	0.00	5.16	0.0	0.0	0.0	5.4	0.0	0.0	0.0	0.0	5.4	T1	<ST1>	T1
7.756	0.00	0.00	0.00	3.14	0.0	0.0	0.0	8.6	0.0	0.0	0.0	0.0	8.6	T1	<ST1>	T1
10.000	0.00	0.00	0.00	2.54	0.0	0.0	0.0	11.1	0.0	0.0	0.0	0.0	11.1	T1	<ST1>	T1
15.000	0.00	0.00	0.00	5.58	0.0	0.0	0.0	16.7	0.0	0.0	0.0	0.0	16.7	T1	<ST1>	T1
15.073	0.00	0.00	0.00	0.08	0.0	0.0	0.0	16.8	0.0	0.0	0.0	0.0	16.8	T1	<ST1>	T1
15.256	0.00	0.00	0.00	0.20	0.0	0.0	0.0	17.0	0.0	0.0	0.0	0.0	17.0	T1	<ST1>	T1
16.000	0.00	0.00	0.00	0.83	0.0	0.0	0.0	17.8	0.0	0.0	0.0	0.0	17.8	T1	<ST1>	T1
18.000	0.00	0.00	0.00	2.28	0.0	0.0	0.0	20.1	0.0	0.0	0.0	0.0	20.1	T1	<ST1>	T1
18.075	0.00	0.00	0.00	0.09	0.0	0.0	0.0	20.2	0.0	0.0	0.0	0.0	20.2	T1	<ST1>	T1
20.000	0.00	0.00	0.00	2.31	0.0	0.0	0.0	22.5	0.0	0.0	0.0	0.0	22.5	T1	<ST1>	T1
22.000	0.00	0.00	0.00	2.53	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	25.0	T1	<ST1>	T1
24.000	0.00	0.00	0.00	2.68	0.0	0.0	0.0	27.7	0.0	0.0	0.0	0.0	27.7	T1	<ST1>	T1
25.575	0.00	0.00	0.00	2.23	0.0	0.0	0.0	29.9	0.0	0.0	0.0	0.0	29.9	T1	<ST1>	T1
26.000	0.00	0.00	0.00	0.62	0.0	0.0	0.0	30.5	0.0	0.0	0.0	0.0	30.5	T1	<ST1>	T1
28.000	0.00	0.00	0.00	3.00	0.0	0.0	0.0	33.5	0.0	0.0	0.0	0.0	33.5	T1	<ST1>	T1
30.000	0.00	0.00	0.00	3.10	0.0	0.0	0.0	36.6	0.0	0.0	0.0	0.0	36.6	T1	<ST1>	T1
32.000	0.00	0.00	0.00	3.18	0.0	0.0	0.0	39.8	0.0	0.0	0.0	0.0	39.8	T1	<ST1>	T1
33.075	0.00	0.00	0.00	1.74	0.0	0.0	0.0	41.5	0.0	0.0	0.0	0.0	41.5	T1	<ST1>	T1
33.408	0.00	0.00	0.00	0.55	0.0	0.0	0.0	42.1	0.0	0.0	0.0	0.0	42.1	T1	<ST1>	T1

Movimiento de tierras

PROYECTO :
 GRUPO : 0 : CALZADAS PRINCIPALES
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	D TIERRA	19.661	0.00	0.0	SUELO SEL	4.988	0.00	0.0
	SEST-3	4.988	0.00	0.0				
20.000	D TIERRA	7.479	179.00	179.0	SUELO SEL	2.031	47.45	47.5
	SEST-3	2.035	47.52	47.5	FRESADO	0.306	5.35	5.4
	DEMOLICION	0.253	4.43	4.4				
40.000	D TIERRA	7.327	149.37	328.4	SUELO SEL	1.980	40.19	87.6
	SEST-3	1.985	40.28	87.8	FRESADO	0.307	6.13	11.5
	DEMOLICION	0.253	5.07	9.5				
60.000	D TIERRA	7.243	144.12	472.5	SUELO SEL	1.914	38.84	126.5
	SEST-3	1.918	38.92	126.7	FRESADO	0.307	6.15	17.6
	DEMOLICION	0.253	5.06	14.6				
80.000	D TIERRA	1.193	190.34	662.8	SUELO SEL	0.359	49.62	176.1
	SEST-3	0.361	49.67	176.4	FRESADO	0.478	5.04	22.7
	DEMOLICION	0.250	3.79	18.3				
100.000	D TIERRA	0.326	13.80	676.6	SUELO SEL	0.132	4.60	180.7
	SEST-3	0.133	4.63	181.0	FRESADO	0.548	10.25	32.9
	DEMOLICION	0.224	4.98	23.3				
120.000	D TIERRA	0.842	6.79	683.4	SUELO SEL	0.206	2.06	182.8
	SEST-3	0.209	2.11	183.1	FRESADO	0.709	12.33	45.3
	DEMOLICION	0.003	1.84	25.2				
140.000	D TIERRA	2.323	32.05	715.5	SUELO SEL	0.584	7.98	190.7
	SEST-3	0.587	8.03	191.2	FRESADO	0.554	13.38	58.6
	DEMOLICION	0.003	0.06	25.2				
160.000	D TIERRA	3.806	61.16	776.6	SUELO SEL	0.928	15.12	205.9
	SEST-3	0.931	15.18	206.3	FRESADO	0.477	10.04	68.7
	DEMOLICION	0.003	0.06	25.3				
180.000	D TIERRA	5.383	92.13	868.8	SUELO SEL	1.280	22.17	228.0
	SEST-3	1.283	22.23	228.6	FRESADO	0.461	9.51	78.2
	DEMOLICION	0.003	0.06	25.4				
200.000	D TIERRA	6.818	122.09	990.8	SUELO SEL	1.590	28.74	256.8
	SEST-3	1.593	28.80	257.4	FRESADO	0.445	9.04	87.2
	DEMOLICION	0.003	0.06	25.4				
220.000	D TIERRA	8.363	152.16	1143.0	SUELO SEL	1.903	35.01	291.8
	SEST-3	1.906	35.07	292.4	FRESADO	0.429	8.75	96.0
	DEMOLICION	0.003	0.06	25.5				
240.000	D TIERRA	9.886	182.29	1325.3	SUELO SEL	2.185	40.84	332.6
	SEST-3	2.188	40.90	333.3	FRESADO	0.415	8.46	104.4
	DEMOLICION	0.003	0.06	25.5				



PROYECTO :
 GRUPO : 0 : CALZADAS PRINCIPALES
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
260.000	D TIERRA	12.065	217.63	1542.9	SUELO SEL	2.544	47.19	379.8
	SEST-3	2.548	47.26	380.6	FRESADO	0.396	8.13	112.6
	DEMOLICION	0.003	0.06	25.6				
280.000	D TIERRA	14.138	261.73	1804.7	SUELO SEL	2.860	54.01	433.8
	SEST-3	2.864	54.08	434.7	FRESADO	0.377	7.73	120.3
	DEMOLICION	0.003	0.06	25.6				
300.000	D TIERRA	16.441	305.20	2109.8	SUELO SEL	3.145	60.10	493.9
	SEST-3	3.148	60.18	494.9	FRESADO	0.365	7.42	127.7
	DEMOLICION	0.003	0.06	25.7				
320.000	D TIERRA	17.275	342.19	2452.0	SUELO SEL	3.400	65.47	559.4
	SEST-3	3.404	65.56	560.4	TERRAPLEN	0.319	1.32	1.3
	FRESADO	0.353	7.16	134.9	DEMOLICION	0.003	0.06	25.8
340.000	D TIERRA	16.950	345.28	2797.3	SUELO SEL	3.662	70.64	630.0
	SEST-3	3.668	70.74	631.2	TERRAPLEN	0.962	13.64	15.0
	FRESADO	0.349	7.94	142.8	DEMOLICION	0.003	0.06	25.8
360.000	D TIERRA	13.640	310.97	3108.3	SUELO SEL	3.932	75.96	706.0
	SEST-3	3.936	76.06	707.2	TERRAPLEN	13.381	92.53	107.5
	FRESADO	0.481	8.75	151.5	DEMOLICION	0.003	0.06	25.9
380.000	D TIERRA	3.394	76.88	3185.2	SUELO SEL	0.831	19.58	725.6
	SEST-3	0.835	19.65	726.9	TERRAPLEN	0.000	19.41	126.9
	FRESADO	0.392	10.06	161.6	DEMOLICION	0.003	0.06	25.9
400.000	D TIERRA	4.588	78.09	3263.3	SUELO SEL	1.047	18.50	744.1
	SEST-3	1.051	18.57	745.4	FRESADO	0.477	9.17	170.8
	DEMOLICION	0.003	0.06	26.0				
420.000	D TIERRA	5.965	103.10	3366.4	SUELO SEL	1.313	23.32	767.4
	SEST-3	1.316	23.39	768.8	FRESADO	0.281	6.61	177.4
	DEMOLICION	0.003	0.06	26.1				
440.000	D TIERRA	8.328	143.42	3509.8	SUELO SEL	1.675	29.99	797.4
	SEST-3	1.679	30.07	798.9	FRESADO	0.388	6.53	183.9
	DEMOLICION	0.003	0.06	26.1				
460.000	D TIERRA	10.534	194.79	3704.6	SUELO SEL	2.147	38.07	835.5
	SEST-3	2.151	38.16	837.0	TERRAPLEN	0.424	1.22	128.1
	FRESADO	0.314	7.29	191.2	DEMOLICION	0.003	0.06	26.2
480.000	D TIERRA	8.726	185.98	3890.6	SUELO SEL	2.714	48.75	884.2
	SEST-3	2.718	48.84	885.9	TERRAPLEN	1.245	34.48	162.6
	FRESADO	0.213	5.03	196.2	DEMOLICION	0.003	0.06	26.2

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Istram 22.08.08.11 05/12/22 18:22:39 200207
PROYECTO :
GRUPO : 0 : CALZADAS PRINCIPALES
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

500.000	D TIERRA	8.493	172.49	4063.1	SUELO SEL	3.218	59.35	943.6
	SEST-3	3.222	59.44	945.3	TERRAPLEN	2.950	40.58	203.2
	FRESADO	0.196	4.06	200.3	DEMOLICION	0.003	0.06	26.3
520.000	D TIERRA	7.734	158.20	4221.3	SUELO SEL	3.677	69.00	1012.6
	SEST-3	3.681	69.09	1014.4	TERRAPLEN	3.031	72.22	275.4
	FRESADO	0.132	3.22	203.5	DEMOLICION	0.003	0.06	26.4
540.000	D TIERRA	11.093	162.45	4383.7	SUELO SEL	5.088	80.69	1093.3
	SEST-3	5.088	80.78	1095.2	TERRAPLEN	1.982	48.93	324.3
	FRESADO	0.000	2.02	205.5	DEMOLICION	0.000	0.05	26.4
540.000	D TIERRA	10.629	0.00	4383.7	SUELO SEL	5.088	0.00	1093.3
	SEST-3	5.088	0.00	1095.2	TERRAPLEN	2.366	0.00	324.3
560.000	D TIERRA	8.489	184.44	4568.1	SUELO SEL	5.189	102.77	1196.0
	SEST-3	5.189	102.77	1198.0	TERRAPLEN	4.929	69.45	393.8
580.000	D TIERRA	7.523	158.91	4727.1	SUELO SEL	5.238	104.42	1300.4
	SEST-3	5.238	104.42	1302.4	TERRAPLEN	3.410	86.46	480.2
600.000	D TIERRA	5.843	131.07	4858.1	SUELO SEL	5.252	104.94	1405.4
	SEST-3	5.252	104.94	1407.3	TERRAPLEN	2.298	63.47	543.7
620.000	D TIERRA	4.964	106.00	4964.1	SUELO SEL	5.246	105.02	1510.4
	SEST-3	5.246	105.02	1512.3	TERRAPLEN	19.689	188.08	731.8
640.000	D TIERRA	4.169	88.89	5053.0	SUELO SEL	5.232	104.74	1615.1
	SEST-3	5.232	104.75	1617.1	TERRAPLEN	24.017	519.93	1251.7
660.000	D TIERRA	4.048	83.06	5136.1	SUELO SEL	5.219	104.54	1719.7
	SEST-3	5.219	104.54	1721.6	TERRAPLEN	23.732	472.22	1723.9
680.000	D TIERRA	4.368	83.51	5219.6	SUELO SEL	5.226	104.36	1824.1
	SEST-3	5.226	104.36	1826.0	TERRAPLEN	21.082	440.63	2164.6
700.000	D TIERRA	3.870	78.36	5297.9	SUELO SEL	5.231	104.60	1928.7
	SEST-3	5.231	104.60	1930.6	TERRAPLEN	21.839	452.55	2617.1
720.000	D TIERRA	3.370	71.23	5369.2	SUELO SEL	5.216	104.50	2033.1
	SEST-3	5.216	104.49	2035.1	TERRAPLEN	20.326	412.26	3029.4
740.000	D TIERRA	3.024	64.60	5433.8	SUELO SEL	5.211	104.09	2137.2
	SEST-3	5.211	104.09	2139.2	TERRAPLEN	19.475	385.28	3414.7
760.000	D TIERRA	2.940	56.06	5489.8	SUELO SEL	5.788	114.14	2251.4
	SEST-3	5.656	111.65	2250.8	TERRAPLEN	29.030	514.80	3929.5
780.000	D TIERRA	2.868	57.73	5547.6	SUELO SEL	5.698	114.54	2365.9
	SEST-3	5.675	113.36	2364.2	TERRAPLEN	25.816	560.68	4490.2
800.000	D TIERRA	2.177	48.45	5596.0	SUELO SEL	5.491	112.65	2478.6
	SEST-3	5.491	112.46	2476.6	TERRAPLEN	18.216	447.24	4937.4



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PROYECTO :
GRUPO : 0 : CALZADAS PRINCIPALES
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

820.000	D TIERRA	2.426	46.03	5642.0	SUELO SEL	5.198	106.89	2585.5
	SEST-3	5.198	106.89	2583.5	TERRAPLEN	13.508	317.24	5254.6

840.000	D TIERRA	2.089	48.15	5690.2	SUELO SEL	4.943	101.26	2686.7
	SEST-3	4.943	101.26	2684.8	TERRAPLEN	10.294	248.15	5502.8
860.000	D TIERRA	47.089	229.70	5919.9	SUELO SEL	4.593	95.49	2782.2
	SEST-3	4.593	95.50	2780.3	TERRAPLEN	0.000	100.34	5603.1
880.000	D TIERRA	39.127	1553.70	7473.6	SUELO SEL	4.571	91.33	2873.5
	SEST-3	4.572	91.33	2871.6				
900.000	D TIERRA	2.241	278.98	7752.6	SUELO SEL	4.579	91.61	2965.1
	SEST-3	4.579	91.62	2963.2	TERRAPLEN	27.912	110.29	5713.4
920.000	D TIERRA	2.570	49.87	7802.4	SUELO SEL	4.665	92.47	3057.6
	SEST-3	4.665	92.48	3055.7	TERRAPLEN	25.107	595.13	6308.5
940.000	D TIERRA	1.067	36.37	7838.8	SUELO SEL	8.042	127.07	3184.7
	SEST-3	8.043	127.08	3182.8	TERRAPLEN	83.775	1088.82	7397.4
	VEGETAL	13.404	134.04	134.0				
960.000	D TIERRA	1.415	23.82	7862.6	SUELO SEL	8.081	161.04	3345.7
	SEST-3	8.082	161.04	3343.8	TERRAPLEN	80.801	1636.27	9033.6
	VEGETAL	13.469	268.40	402.4				
980.000	D TIERRA	2.016	35.33	7897.9	SUELO SEL	8.136	162.14	3507.9
	SEST-3	8.136	162.15	3506.0	TERRAPLEN	67.664	1518.18	10551.8
	VEGETAL	13.560	270.23	672.7				
1000.000	D TIERRA	0.000	36.36	7934.3	SUELO SEL	8.146	162.93	3670.8
	SEST-3	8.146	162.94	3668.9	INADECUADO	54.307	135.77	135.8
	TERRAPLEN	90.832	1267.98	11819.8	VEGETAL	0.000	237.61	910.3
1020.000	SUELO SEL	8.124	162.82	3833.6	SEST-3	8.124	162.82	3831.7
	INADECUADO	54.157	1085.46	1221.2	TERRAPLEN	48.396	1291.63	13111.4
1040.000	SUELO SEL	7.974	161.15	3994.8	SEST-3	7.974	161.15	3992.9
	INADECUADO	53.160	1074.32	2295.6	TERRAPLEN	35.505	829.49	13940.9
1060.000	SUELO SEL	7.874	158.33	4153.1	SEST-3	7.875	158.34	4151.2
	INADECUADO	52.504	1055.60	3351.2	TERRAPLEN	27.976	611.59	14552.5
1080.000	SUELO SEL	7.784	156.47	4309.6	SEST-3	7.786	156.48	4307.7
	INADECUADO	51.906	1043.34	4394.5	TERRAPLEN	35.729	632.47	15185.0
1100.000	SUELO SEL	7.718	155.10	4464.7	SEST-3	7.718	155.11	4462.8
	INADECUADO	51.452	1034.10	5428.6	TERRAPLEN	44.247	796.61	15981.6
1120.000	SUELO SEL	7.688	153.89	4618.6	SEST-3	7.688	153.90	4616.7
	INADECUADO	51.254	1026.01	6454.6	TERRAPLEN	41.964	815.48	16797.1
1140.000	SUELO SEL	7.675	153.56	4772.1	SEST-3	7.675	153.56	4770.3
	INADECUADO	51.167	1023.72	7478.3	TERRAPLEN	44.819	873.29	17670.4



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PROYECTO :
GRUPO : 0 : CALZADAS PRINCIPALES
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
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1160.000	SUELO SEL	7.641	153.24	4925.4	SEST-3	7.641	153.24	4923.5
	INADECUADO	50.942	1021.61	8499.9	TERRAPLEN	59.228	997.55	18667.9
1180.000	SUELO SEL	7.619	152.46	5077.8	SEST-3	7.619	152.46	5076.0
	INADECUADO	50.793	1016.41	9516.3	TERRAPLEN	95.195	1530.32	20198.2
1200.000	SUELO SEL	7.585	152.12	5229.9	SEST-3	7.585	152.12	5228.1
	INADECUADO	50.566	1014.12	10530.5	TERRAPLEN	121.530	2215.80	22414.0

1220.000	SUELO SEL	7.595	151.75	5381.7	SEST-3	7.595	151.75	5379.9
	INADECUADO	50.634	1011.69	11542.2	TERRAPLEN	130.488	2510.63	24924.7
1240.000	SUELO SEL	7.645	152.48	5534.2	SEST-3	7.645	152.48	5532.3
	INADECUADO	50.968	1016.54	12558.7	TERRAPLEN	108.037	2465.28	27389.9
1260.000	SUELO SEL	7.631	152.84	5687.0	SEST-3	7.631	152.84	5685.2
	INADECUADO	50.871	1018.94	13577.6	TERRAPLEN	85.444	1848.01	29238.0
1280.000	SUELO SEL	7.652	152.84	5839.8	SEST-3	7.653	152.84	5838.0
	INADECUADO	51.017	1018.91	14596.5	TERRAPLEN	80.494	1638.98	30876.9
1300.000	SUELO SEL	7.661	153.12	5993.0	SEST-3	7.661	153.12	5991.1
	INADECUADO	51.071	1020.83	15617.4	TERRAPLEN	75.313	1559.36	32436.3
1320.000	SUELO SEL	7.633	153.01	6146.0	SEST-3	7.633	153.01	6144.2
	INADECUADO	50.885	1020.08	16637.5	TERRAPLEN	67.580	1412.63	33848.9
1340.000	SUELO SEL	7.646	152.78	6298.8	SEST-3	7.646	152.78	6296.9
	INADECUADO	50.971	1018.53	17656.0	TERRAPLEN	70.474	1423.44	35272.4
1360.000	SUELO SEL	7.685	153.04	6451.8	SEST-3	7.685	153.04	6450.0
	INADECUADO	51.234	1020.25	18676.2	TERRAPLEN	87.699	1569.10	36841.5
1380.000	SUELO SEL	7.756	154.48	6606.3	SEST-3	7.756	154.49	6604.5
	INADECUADO	51.704	1029.90	19706.1	TERRAPLEN	107.572	1888.21	38729.7
1400.000	SUELO SEL	7.778	155.41	6761.7	SEST-3	7.778	155.41	6759.9
	INADECUADO	51.852	1036.07	20742.2	TERRAPLEN	85.307	1756.12	40485.8
1420.000	SUELO SEL	7.823	155.73	6917.4	SEST-3	7.823	155.73	6915.6
	INADECUADO	52.151	1038.21	21780.4	TERRAPLEN	105.001	1866.77	42352.6
1440.000	SUELO SEL	7.887	157.17	7074.6	SEST-3	7.887	157.17	7072.8
	INADECUADO	52.579	1047.82	22828.2	TERRAPLEN	98.304	2057.19	44409.8
1460.000	SUELO SEL	5.604	134.91	7209.5	SEST-3	5.604	134.91	7207.7
	INADECUADO	37.359	899.38	23727.6	TERRAPLEN	75.232	1735.36	46145.1
1480.000	SUELO SEL	5.496	111.00	7320.5	SEST-3	5.496	111.00	7318.7
	INADECUADO	36.640	739.98	24467.6	TERRAPLEN	70.954	1467.21	47612.3
1500.000	SUELO SEL	5.546	109.97	7430.5	SEST-3	5.546	109.97	7428.7
	INADECUADO	36.974	733.10	25200.7	TERRAPLEN	69.031	1349.52	48961.8
1520.000	SUELO SEL	5.650	112.02	7542.5	SEST-3	5.650	112.02	7540.7
	INADECUADO	37.667	746.80	25947.5	TERRAPLEN	72.102	1426.63	50388.5



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PROYECTO :
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EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

1540.000	SUELO SEL	5.720	113.78	7656.3	SEST-3	5.720	113.78	7654.5
	INADECUADO	38.132	758.52	26706.0	TERRAPLEN	61.527	1249.59	51638.1
1560.000	SUELO SEL	5.828	115.19	7771.5	SEST-3	5.828	115.19	7769.6
	INADECUADO	38.855	767.95	27474.0	TERRAPLEN	59.084	1218.40	52856.5
1580.000	SUELO SEL	6.035	118.67	7890.1	SEST-3	6.035	118.67	7888.3
	INADECUADO	40.236	791.16	28265.1	TERRAPLEN	77.593	1333.12	54189.6
1600.000	SUELO SEL	6.228	122.79	8012.9	SEST-3	6.228	122.79	8011.1
	INADECUADO	41.519	818.62	29083.8	TERRAPLEN	89.892	1634.08	55823.7
1620.000	SUELO SEL	6.438	126.50	8139.4	SEST-3	6.438	126.50	8137.6
	INADECUADO	42.918	843.32	29927.1	TERRAPLEN	94.293	1804.96	57628.6

1640.000	SUELO SEL	6.455	128.79	8268.2	SEST-3	6.455	128.79	8266.4
	INADECUADO	43.031	858.59	30785.7	TERRAPLEN	103.007	1962.98	59591.6
1660.000	SUELO SEL	6.463	129.13	8397.3	SEST-3	6.463	129.13	8395.5
	INADECUADO	43.087	860.87	31646.5	TERRAPLEN	108.078	2092.41	61684.0
1680.000	SUELO SEL	6.485	129.21	8526.6	SEST-3	6.485	129.21	8524.7
	INADECUADO	43.231	861.40	32507.9	TERRAPLEN	107.496	2126.12	63810.1
1700.000	D TIERRA	0.114	1.14	7935.4	SUELO SEL	6.616	131.00	8657.6
	SEST-3	6.616	131.01	8655.8	INADECUADO	0.000	432.31	32940.2
	TERRAPLEN	55.340	1628.36	65438.5				
1720.000	D TIERRA	0.561	6.25	7941.7	SUELO SEL	6.731	133.48	8791.0
	SEST-3	6.732	133.49	8789.2	TERRAPLEN	39.997	894.95	66333.5
1740.000	D TIERRA	0.526	15.54	7957.2	SUELO SEL	6.834	135.71	8926.8
	SEST-3	6.834	135.72	8925.0	TERRAPLEN	31.910	702.27	67035.7
1760.000	D TIERRA	0.079	7.28	7964.5	SUELO SEL	13.111	205.11	9131.9
	SEST-3	13.085	203.57	9128.5	TERRAPLEN	42.000	850.22	67885.9
	VEGETAL	17.485	188.28	1098.6				
1780.000	D TIERRA	5.774	38.12	8002.6	SUELO SEL	12.652	258.59	9390.5
	SEST-3	12.652	258.53	9387.1	TERRAPLEN	7.787	472.19	68358.1
	VEGETAL	16.873	344.87	1443.4				
1800.000	D TIERRA	6.439	147.05	8149.7	SUELO SEL	12.716	254.18	9644.6
	SEST-3	12.716	254.18	9641.2	TERRAPLEN	8.344	138.09	68496.2
	VEGETAL	16.959	338.98	1782.4				
1820.000	D TIERRA	10.837	229.74	8379.4	SUELO SEL	12.648	252.67	9897.3
	SEST-3	12.648	252.67	9893.9	TERRAPLEN	3.399	81.88	68578.1
	VEGETAL	16.868	336.97	2119.4				
1840.000	D TIERRA	17.859	254.42	8633.8	SUELO SEL	12.614	252.49	10149.8
	SEST-3	12.614	252.49	10146.4	TERRAPLEN	0.512	48.36	68626.5
	VEGETAL	16.823	336.74	2456.1				



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PROYECTO :
GRUPO : 0 : CALZADAS PRINCIPALES
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EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1860.000	D TIERRA	24.133	488.54	9122.4	SUELO SEL	12.486	251.47	10401.3
	SEST-3	12.486	251.47	10397.9	TERRAPLEN	0.001	1.29	68627.8
	VEGETAL	16.652	335.37	2791.5				
1880.000	D TIERRA	29.007	493.37	9615.7	SUELO SEL	12.588	250.18	10651.4
	SEST-3	12.588	250.18	10648.1	TERRAPLEN	0.001	0.02	68627.8
	VEGETAL	16.788	333.65	3125.2				
1900.000	D TIERRA	35.594	592.31	10208.1	SUELO SEL	12.364	247.38	10898.8
	SEST-3	12.364	247.38	10895.4	TERRAPLEN	0.000	0.01	68627.8
	VEGETAL	16.487	329.88	3455.0				
1920.000	D TIERRA	43.533	825.12	11033.2	SUELO SEL	12.274	246.57	11145.4
	SEST-3	12.275	246.57	11142.0	VEGETAL	16.534	332.97	3788.0
1940.000	D TIERRA	49.902	900.84	11934.0	SUELO SEL	12.047	243.32	11388.7
	SEST-3	12.047	243.32	11385.3	VEGETAL	16.794	335.98	4124.0
1960.000	D TIERRA	60.728	1094.01	13028.0	SUELO SEL	11.776	238.34	11627.0

	SEST-3	11.776	238.34	11623.7	VEGETAL	16.491	333.37	4457.4
1980.000	D TIERRA	72.653	1354.47	14382.5	SUELO SEL	11.484	232.46	11859.5
	SEST-3	11.484	232.46	11856.1	VEGETAL	16.350	328.58	4785.9
2000.000	D TIERRA	81.461	1578.90	15961.4	SUELO SEL	11.328	228.16	12087.7
	SEST-3	11.328	228.16	12084.3	TERRAPLEN	0.517	1.29	68629.1
	VEGETAL	16.257	326.23	5112.2				
2020.000	D TIERRA	89.672	1732.90	17694.3	SUELO SEL	11.179	225.07	12312.7
	SEST-3	11.179	225.07	12309.3	TERRAPLEN	0.000	1.29	68630.4
	VEGETAL	16.406	327.57	5439.7				
2040.000	D TIERRA	118.342	2141.72	19836.0	SUELO SEL	11.145	223.32	12536.1
	SEST-3	11.145	223.32	12532.7	VEGETAL	0.000	82.03	5521.8
2060.000	D TIERRA	122.455	2423.64	22259.7	SUELO SEL	10.178	216.08	12752.1
	SEST-3	10.181	216.10	12748.8	FRESADO	0.104	0.74	206.3
	DEMOLICION	0.003	0.02	26.4				
2080.000	D TIERRA	133.463	2549.24	24808.9	SUELO SEL	9.722	198.92	12951.1
	SEST-3	9.726	198.99	12947.8	FRESADO	0.141	2.44	208.7
	DEMOLICION	0.003	0.06	26.5				
2100.000	D TIERRA	141.222	2734.83	27543.7	SUELO SEL	9.292	190.13	13141.2
	SEST-3	9.295	190.19	13138.0	FRESADO	0.174	3.11	211.8
	DEMOLICION	0.003	0.06	26.5				
2120.000	D TIERRA	155.867	2992.34	30536.1	SUELO SEL	8.894	181.75	13322.9
	SEST-3	8.897	181.82	13319.8	FRESADO	0.204	3.77	215.6
	DEMOLICION	0.003	0.06	26.6				



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PROYECTO :
GRUPO : 0 : CALZADAS PRINCIPALES
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EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2140.000	D TIERRA	164.926	3171.89	33708.0	SUELO SEL	8.559	174.44	13497.4
	SEST-3	8.562	174.51	13494.3	FRESADO	0.238	4.41	220.0
	DEMOLICION	0.003	0.06	26.7				
2160.000	D TIERRA	169.212	3341.38	37049.3	SUELO SEL	8.311	168.70	13666.1
	SEST-3	8.314	168.76	13663.0	FRESADO	0.263	5.01	225.0
	DEMOLICION	0.003	0.06	26.7				
2180.000	D TIERRA	235.247	3812.16	40861.5	SUELO SEL	10.938	171.37	13837.4
	SEST-3	10.938	171.43	13834.5	FRESADO	0.000	4.74	229.8
	DEMOLICION	0.000	0.05	26.8				
2200.000	D TIERRA	200.347	4305.24	45166.7	SUELO SEL	7.907	181.32	14018.8
	SEST-3	7.910	181.36	14015.8	FRESADO	0.311	3.81	233.6
	DEMOLICION	0.003	0.03	26.8				
2220.000	D TIERRA	201.683	3972.36	49139.1	SUELO SEL	7.957	158.64	14177.4
	SEST-3	7.960	158.72	14174.5	FRESADO	0.315	6.28	239.9
	DEMOLICION	0.253	2.58	29.4				
2240.000	D TIERRA	207.422	4067.65	53206.7	SUELO SEL	7.916	159.00	14336.4
	SEST-3	7.920	159.08	14333.6	FRESADO	0.341	6.45	246.3
	DEMOLICION	0.253	5.06	34.4				
2260.000	D TIERRA	210.708	4179.91	57386.7	SUELO SEL	7.806	157.05	14493.5

	SEST-3	7.810	157.13	14490.8	FRESADO	0.366	7.23	253.5
	DEMOLICION	0.253	5.06	39.5				
2280.000	D TIERRA	210.487	4213.56	61600.2	SUELO SEL	7.704	155.04	14648.5
	SEST-3	7.708	155.12	14645.9	FRESADO	0.411	8.20	261.7
	DEMOLICION	0.253	5.06	44.6				
2300.000	D TIERRA	203.739	4162.92	65763.1	SUELO SEL	7.546	152.83	14801.3
	SEST-3	7.550	152.91	14798.8	FRESADO	0.494	9.10	270.8
	DEMOLICION	0.253	5.06	49.6				
2320.000	D TIERRA	202.530	4033.44	69796.6	SUELO SEL	7.359	148.91	14950.2
	SEST-3	7.364	148.98	14947.8	FRESADO	0.654	10.36	281.2
	DEMOLICION	0.253	5.06	54.7				
2340.000	D TIERRA	203.054	4048.03	73844.6	SUELO SEL	7.256	146.22	15096.5
	SEST-3	7.260	146.31	15094.1	FRESADO	0.604	12.75	293.9
	DEMOLICION	0.253	5.06	59.7				
2360.000	D TIERRA	195.652	3999.64	77844.3	SUELO SEL	7.157	143.90	15240.4
	SEST-3	7.161	143.98	15238.1	FRESADO	0.650	12.29	306.2
	DEMOLICION	0.253	5.06	64.8				



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PROYECTO :
GRUPO : 0 : CALZADAS PRINCIPALES
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2380.000	D TIERRA	191.889	3883.75	81728.0	SUELO SEL	7.166	143.16	15383.5
	SEST-3	7.170	143.24	15381.3	FRESADO	0.583	13.04	319.3
	DEMOLICION	0.253	5.06	69.9				
2400.000	D TIERRA	181.395	3772.81	85500.8	SUELO SEL	7.200	143.62	15527.1
	SEST-3	7.203	143.69	15525.0	FRESADO	0.762	13.79	333.1
	DEMOLICION	0.253	5.06	74.9				
2420.000	D TIERRA	142.806	3387.04	88887.9	SUELO SEL	7.140	143.42	15670.6
	SEST-3	7.143	143.49	15668.5	FRESADO	0.701	14.51	347.6
	DEMOLICION	0.253	5.06	80.0				
2440.000	D TIERRA	108.008	2521.64	91409.5	SUELO SEL	7.042	141.79	15812.4
	SEST-3	7.046	141.86	15810.3	FRESADO	0.658	13.35	360.9
	DEMOLICION	0.253	5.06	85.0				
2460.000	D TIERRA	75.289	1767.52	93177.0	SUELO SEL	6.814	139.05	15951.4
	SEST-3	6.817	139.12	15949.4	FRESADO	0.824	14.27	375.2
	DEMOLICION	0.253	5.06	90.1				
2480.000	D TIERRA	34.123	940.27	94117.3	SUELO SEL	8.145	144.91	16096.3
	SEST-3	8.149	144.97	16094.4	FRESADO	0.790	17.43	392.6
	DEMOLICION	0.253	5.09	95.2				
2500.000	D TIERRA	35.223	692.55	94809.8	SUELO SEL	8.159	162.85	16259.2
	SEST-3	8.163	162.93	16257.3	FRESADO	0.676	14.48	407.1
	DEMOLICION	0.254	5.07	100.3				
2520.000	D TIERRA	36.539	718.09	95527.9	SUELO SEL	8.118	162.88	16422.0
	SEST-3	8.123	162.97	16420.3	FRESADO	0.586	11.86	418.9
	DEMOLICION	0.254	5.07	105.3				
2540.000	D TIERRA	37.270	738.74	96266.7	SUELO SEL	8.066	161.75	16583.8

	SEST-3	8.070	161.84	16582.2	FRESADO	0.639	12.81	431.8
	DEMOLICION	0.254	5.07	110.4				
2560.000	D TIERRA	36.750	740.48	97007.2	SUELO SEL	8.063	161.17	16745.0
	SEST-3	8.067	161.26	16743.4	FRESADO	0.666	12.72	444.5
	DEMOLICION	0.254	5.07	115.5				
2580.000	D TIERRA	21.439	446.28	97453.4	SUELO SEL	5.083	103.52	16848.5
	SEST-3	5.083	103.55	16847.0	FRESADO	0.000	4.94	449.4
	DEMOLICION	0.000	1.90	117.4				
2600.000	D TIERRA	8.893	209.75	97663.2	SUELO SEL	2.162	50.26	16898.7
	SEST-3	2.166	50.34	16897.3	FRESADO	0.690	12.34	461.8
	DEMOLICION	0.254	4.45	121.8				



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PROYECTO :
GRUPO : 0 : CALZADAS PRINCIPALES
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2620.000	D TIERRA	8.691	175.17	97838.4	SUELO SEL	2.121	42.82	16941.6
	SEST-3	2.125	42.91	16940.2	FRESADO	0.683	13.42	475.2
	DEMOLICION	0.254	5.08	126.9				
2640.000	D TIERRA	8.473	171.19	98009.5	SUELO SEL	2.050	41.77	16983.3
	SEST-3	2.054	41.86	16982.1	FRESADO	0.786	15.34	490.5
	DEMOLICION	0.254	5.08	132.0				
2660.000	D TIERRA	8.236	166.87	98176.4	SUELO SEL	2.037	40.84	17024.2
	SEST-3	2.041	40.93	17023.0	FRESADO	0.665	14.97	505.5
	DEMOLICION	0.254	5.08	137.1				
2680.000	D TIERRA	8.095	164.02	98340.4	SUELO SEL	1.973	40.23	17064.4
	SEST-3	1.977	40.32	17063.3	FRESADO	0.648	13.51	519.0
	DEMOLICION	0.254	5.08	142.2				
2700.000	D TIERRA	8.000	159.46	98499.9	SUELO SEL	1.985	39.43	17103.8
	SEST-3	1.989	39.52	17102.8	FRESADO	0.545	11.63	530.6
	DEMOLICION	0.254	5.08	147.2				
2720.000	D TIERRA	7.907	160.60	98660.5	SUELO SEL	1.970	39.72	17143.6
	SEST-3	1.974	39.80	17142.6	FRESADO	0.485	10.61	541.2
	DEMOLICION	0.254	5.08	152.3				
2740.000	D TIERRA	7.851	156.88	98817.4	SUELO SEL	1.997	39.42	17183.0
	SEST-3	2.001	39.50	17182.1	FRESADO	0.489	9.81	551.1
	DEMOLICION	0.254	5.08	157.4				
2760.000	D TIERRA	8.294	160.39	98977.8	SUELO SEL	2.044	40.32	17223.3
	SEST-3	2.049	40.41	17222.6	FRESADO	0.496	9.85	560.9
	DEMOLICION	0.254	5.08	162.5				
2780.000	D TIERRA	8.088	163.94	99141.7	SUELO SEL	2.105	41.38	17264.7
	SEST-3	2.110	41.47	17264.0	FRESADO	0.306	8.21	569.1
	DEMOLICION	0.253	5.07	167.5				
2800.000	D TIERRA	8.460	166.51	99308.2	SUELO SEL	2.123	42.72	17307.4
	SEST-3	2.127	42.81	17306.8	FRESADO	0.361	6.60	575.7
	DEMOLICION	0.254	5.07	172.6				
2820.000	D TIERRA	8.615	171.59	99479.8	SUELO SEL	2.117	42.16	17349.6

	SEST-3	2.122	42.24	17349.1	FRESADO	0.611	11.17	586.9
	DEMOLICION	0.254	5.08	177.7				
2840.000	D TIERRA	8.623	172.45	99652.2	SUELO SEL	2.129	42.51	17392.1
	SEST-3	2.133	42.59	17391.7	FRESADO	0.553	10.56	597.4
	DEMOLICION	0.254	5.08	182.8				



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PROYECTO :
GRUPO : 0 : CALZADAS PRINCIPALES
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2860.000	D TIERRA	8.442	170.16	99822.4	SUELO SEL	2.087	42.26	17434.3
	SEST-3	2.091	42.35	17434.0	FRESADO	0.630	11.18	608.6
	DEMOLICION	0.254	5.08	187.8				
2880.000	D TIERRA	8.521	170.20	99992.6	SUELO SEL	2.064	41.44	17475.8
	SEST-3	2.068	41.52	17475.5	FRESADO	0.809	16.00	624.6
	DEMOLICION	0.254	5.08	192.9				
2885.404	D TIERRA	8.388	45.76	100038.4	SUELO SEL	2.062	11.15	17486.9
	SEST-3	2.066	11.17	17486.7	FRESADO	0.732	4.18	628.8
	DEMOLICION	0.254	1.37	194.3				



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PROYECTO :
GRUPO : 0 : CALZADAS PRINCIPALES
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

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* * * RESUMEN DE VOLUMENES TOTALES * * *

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MATERIAL	VOLUMEN
D TIERRA	100038.4
SUELO SEL	17486.9
SEST-3	17486.7
INADECUADO	32940.2
TERRAPLEN	68630.4
VEGETAL	5521.8
FRESADO	628.8
DEMOLICION	194.3

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	D TIERRA	6.422	0.00	0.0	SUELO SEL	1.647	0.00	0.0
	SEST-3	1.650	0.00	0.0	FRESADO	0.419	0.00	0.0
	DEMOLICION	0.254	0.00	0.0				
20.000	D TIERRA	6.559	129.82	129.8	SUELO SEL	1.731	33.78	33.8
	SEST-3	1.734	33.84	33.8	FRESADO	0.337	7.56	7.6
	DEMOLICION	0.254	5.07	5.1				
40.000	D TIERRA	6.815	133.74	263.6	SUELO SEL	1.788	35.18	69.0
	SEST-3	1.790	35.24	69.1	FRESADO	0.338	6.74	14.3
	DEMOLICION	0.254	5.07	10.1				
60.000	D TIERRA	7.392	142.09	405.7	SUELO SEL	1.814	36.03	105.0
	SEST-3	1.818	36.10	105.2	FRESADO	0.885	12.20	26.5
	DEMOLICION	0.254	5.08	15.2				
80.000	D TIERRA	6.907	142.99	548.6	SUELO SEL	1.815	36.29	141.3
	SEST-3	1.818	36.35	141.5	FRESADO	0.304	11.89	38.4
	DEMOLICION	0.254	5.08	20.3				
100.000	D TIERRA	8.049	149.90	698.5	SUELO SEL	1.956	37.69	179.0
	SEST-3	1.959	37.75	179.3	FRESADO	0.720	9.53	47.9
	DEMOLICION	0.210	4.73	25.0				
120.000	D TIERRA	8.068	161.17	859.7	SUELO SEL	2.107	40.63	219.6
	SEST-3	2.111	40.69	220.0	FRESADO	0.336	10.56	58.5
	DEMOLICION	0.254	4.63	29.7				
140.000	D TIERRA	8.412	164.80	1024.5	SUELO SEL	2.252	43.59	263.2
	SEST-3	2.255	43.66	263.6	FRESADO	0.304	6.40	64.9
	DEMOLICION	0.254	5.07	34.7				
160.000	D TIERRA	9.427	178.39	1202.9	SUELO SEL	2.422	46.74	309.9
	SEST-3	2.426	46.81	310.4	FRESADO	0.345	6.49	71.4
	DEMOLICION	0.254	5.07	39.8				
180.000	D TIERRA	10.103	195.29	1398.2	SUELO SEL	2.577	49.99	359.9
	SEST-3	2.581	50.07	360.5	FRESADO	0.307	6.53	77.9
	DEMOLICION	0.254	5.07	44.9				
200.000	D TIERRA	10.644	207.46	1605.7	SUELO SEL	2.740	53.17	413.1
	SEST-3	2.743	53.24	413.7	FRESADO	0.302	6.09	84.0
	DEMOLICION	0.254	5.07	50.0				
220.000	D TIERRA	11.204	220.73	1826.4	SUELO SEL	2.861	56.23	469.3
	SEST-3	2.864	56.30	470.0	FRESADO	0.301	6.04	90.0
	DEMOLICION	0.254	5.07	55.0				

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
240.000	D TIERRA	11.094	222.98	2049.4	SUELO SEL	2.893	57.54	526.9
	SEST-3	2.896	57.60	527.6	FRESADO	0.298	5.99	96.0
	DEMOLICION	0.254	5.07	60.1				
260.000	D TIERRA	11.124	222.18	2271.5	SUELO SEL	2.870	57.64	584.5
	SEST-3	2.873	57.70	585.3	FRESADO	0.300	5.98	102.0
	DEMOLICION	0.254	5.07	65.2				
280.000	D TIERRA	11.007	221.31	2492.9	SUELO SEL	2.868	57.38	641.9
	SEST-3	2.871	57.45	642.8	FRESADO	0.301	6.01	108.0
	DEMOLICION	0.254	5.07	70.2				
300.000	D TIERRA	10.202	212.09	2704.9	SUELO SEL	2.885	57.53	699.4
	SEST-3	2.889	57.60	700.4	FRESADO	0.299	6.00	114.0
	DEMOLICION	0.254	5.07	75.3				
320.000	D TIERRA	11.310	332.84	3037.8	SUELO SEL	2.980	88.05	787.5
	SEST-3	2.983	88.07	788.5	FRESADO	0.358	3.43	117.4
	DEMOLICION	0.254	2.54	77.9				
340.000	D TIERRA	12.830	241.40	3279.2	SUELO SEL	3.138	61.18	848.6
	SEST-3	3.143	61.26	849.7	FRESADO	0.598	9.56	127.0
	DEMOLICION	0.254	5.08	82.9				
360.000	D TIERRA	12.894	257.24	3536.4	SUELO SEL	3.285	64.23	912.9
	SEST-3	3.289	64.32	914.0	FRESADO	0.383	9.81	136.8
	DEMOLICION	0.254	5.08	88.0				
380.000	D TIERRA	14.929	278.22	3814.6	SUELO SEL	3.459	67.44	980.3
	SEST-3	3.464	67.54	981.6	FRESADO	0.865	12.48	149.3
	DEMOLICION	0.254	5.08	93.1				
400.000	D TIERRA	14.064	289.93	4104.6	SUELO SEL	3.638	70.97	1051.3
	SEST-3	3.643	71.07	1052.6	FRESADO	0.307	11.72	161.0
	DEMOLICION	0.254	5.08	98.2				
420.000	D TIERRA	9.270	233.33	4337.9	SUELO SEL	2.474	61.12	1112.4
	SEST-3	2.478	61.21	1113.8	FRESADO	0.429	7.36	168.4
	DEMOLICION	0.254	5.07	103.2				
440.000	D TIERRA	10.427	196.96	4534.9	SUELO SEL	2.789	52.63	1165.0
	SEST-3	2.792	52.70	1166.5	FRESADO	0.413	8.43	176.8
	DEMOLICION	0.254	5.07	108.3				
460.000	D TIERRA	10.632	210.58	4745.4	SUELO SEL	2.874	56.62	1221.7
	SEST-3	2.878	56.70	1223.2	FRESADO	0.405	8.19	185.0
	DEMOLICION	0.254	5.07	113.4				



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PROYECTO :
 GRUPO : 0 : CALZADAS PRINCIPALES
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 2 : CALZADA DERECHA (CPOL2_a1.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
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480.000	D TIERRA	2.879	212.71	4958.2	SUELO SEL	0.793	56.93	1278.6
	SEST-3	0.795	57.00	1280.2	FRESADO	0.413	8.18	193.2
	DEMOLICION	0.254	5.07	118.4				
500.000	D TIERRA	2.816	56.95	5015.1	SUELO SEL	0.787	15.80	1294.4
	SEST-3	0.790	15.85	1296.1	FRESADO	0.404	8.17	201.3
	DEMOLICION	0.254	5.07	123.5				
520.000	D TIERRA	2.827	56.43	5071.5	SUELO SEL	0.780	15.67	1310.1
	SEST-3	0.783	15.72	1311.8	FRESADO	0.409	8.13	209.5
	DEMOLICION	0.254	5.07	128.6				
540.000	D TIERRA	2.859	56.85	5128.4	SUELO SEL	0.788	15.68	1325.7
	SEST-3	0.791	15.74	1327.6	FRESADO	0.414	8.23	217.7
	DEMOLICION	0.254	5.07	133.7				
560.000	D TIERRA	2.735	55.93	5184.3	SUELO SEL	0.756	15.44	1341.2
	SEST-3	0.759	15.49	1343.0	FRESADO	0.407	8.21	225.9
	DEMOLICION	0.254	5.07	138.7				
580.000	D TIERRA	2.624	53.59	5237.9	SUELO SEL	0.732	14.88	1356.1
	SEST-3	0.735	14.94	1358.0	FRESADO	0.409	8.16	234.1
	DEMOLICION	0.254	5.07	143.8				
600.000	D TIERRA	3.102	57.26	5295.2	SUELO SEL	0.848	15.81	1371.9
	SEST-3	0.851	15.86	1373.8	FRESADO	0.407	8.16	242.2
	DEMOLICION	0.254	5.07	148.9				
620.000	D TIERRA	3.870	69.71	5364.9	SUELO SEL	1.051	19.00	1390.9
	SEST-3	1.054	19.05	1392.9	FRESADO	0.404	8.11	250.3
	DEMOLICION	0.253	5.07	153.9				
640.000	D TIERRA	4.840	87.09	5452.0	SUELO SEL	1.293	23.44	1414.3
	SEST-3	1.295	23.49	1416.4	FRESADO	0.398	8.03	258.4
	DEMOLICION	0.254	5.07	159.0				
660.000	D TIERRA	5.767	106.42	5558.4	SUELO SEL	1.557	28.51	1442.8
	SEST-3	1.559	28.56	1444.9	FRESADO	0.390	7.88	266.2
	DEMOLICION	0.254	5.07	164.1				
680.000	D TIERRA	6.848	126.15	5684.6	SUELO SEL	1.908	34.65	1477.5
	SEST-3	1.911	34.70	1479.7	FRESADO	0.376	7.65	273.9
	DEMOLICION	0.253	5.07	169.2				
700.000	D TIERRA	21.682	285.30	5969.8	SUELO SEL	5.849	77.57	1555.0
	SEST-3	5.847	77.58	1557.2	FRESADO	0.000	3.76	277.7
	DEMOLICION	0.000	2.53	171.7				



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PROYECTO :
GRUPO : 0 : CALZADAS PRINCIPALES
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 2 : CALZADA DERECHA (CPOL2_a1.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
720.000	D TIERRA	8.740	289.52	6259.4	SUELO SEL	2.481	79.44	1634.5
	SEST-3	2.484	79.46	1636.7	FRESADO	0.348	3.87	281.5
	DEMOLICION	0.253	2.81	174.5				
740.000	D TIERRA	8.985	177.25	6436.6	SUELO SEL	2.551	50.32	1684.8
	SEST-3	2.554	50.37	1687.1	FRESADO	0.341	6.90	288.4

	DEMOLICION	0.254	5.07	297.8				
1320.000	D TIERRA	8.127	169.63	12053.2	SUELO SEL	2.206	45.71	3183.5
	SEST-3	2.209	45.75	3186.7	FRESADO	0.303	6.06	465.3
	DEMOLICION	0.253	5.07	302.9				
1340.000	D TIERRA	7.773	159.00	12212.2	SUELO SEL	2.068	42.75	3226.2
	SEST-3	2.071	42.79	3229.5	FRESADO	0.301	6.05	471.3
	DEMOLICION	0.254	5.07	307.9				
1360.000	D TIERRA	7.308	150.81	12363.0	SUELO SEL	1.909	39.78	3266.0
	SEST-3	1.912	39.83	3269.3	FRESADO	0.349	6.50	477.8
	DEMOLICION	0.254	5.07	313.0				
1380.000	D TIERRA	6.435	136.13	12499.1	SUELO SEL	1.795	36.71	3302.7
	SEST-3	1.798	36.76	3306.0	FRESADO	0.303	6.35	484.2
	DEMOLICION	0.253	5.07	318.1				
1400.000	D TIERRA	6.289	127.23	12626.4	SUELO SEL	1.797	35.93	3338.6
	SEST-3	1.800	35.98	3342.0	FRESADO	0.303	6.06	490.2
	DEMOLICION	0.253	5.07	323.1				
1420.000	D TIERRA	6.852	131.41	12757.8	SUELO SEL	1.806	36.04	3374.7
	SEST-3	1.809	36.09	3378.1	FRESADO	0.302	6.05	496.3
	DEMOLICION	0.254	5.07	328.2				



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PROYECTO :
GRUPO : 0 : CALZADAS PRINCIPALES
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 2 : CALZADA DERECHA (CPOL2_a1.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1440.000	D TIERRA	6.995	138.47	12896.3	SUELO SEL	1.839	36.45	3411.1
	SEST-3	1.841	36.50	3414.6	FRESADO	0.320	6.22	502.5
	DEMOLICION	0.254	5.07	333.3				
1460.000	D TIERRA	7.080	140.75	13037.0	SUELO SEL	1.855	36.94	3448.0
	SEST-3	1.858	36.99	3451.6	FRESADO	0.349	6.69	509.2
	DEMOLICION	0.254	5.07	338.4				
1480.000	D TIERRA	7.267	143.56	13180.6	SUELO SEL	1.857	37.15	3485.2
	SEST-3	1.860	37.21	3488.8	FRESADO	0.743	10.73	519.9
	DEMOLICION	0.254	5.08	343.4				
1500.000	D TIERRA	7.228	144.96	13325.5	SUELO SEL	1.873	37.30	3522.5
	SEST-3	1.876	37.36	3526.2	FRESADO	0.500	12.42	532.3
	DEMOLICION	0.254	5.08	348.5				
1520.000	D TIERRA	7.389	146.17	13471.7	SUELO SEL	1.935	38.08	3560.6
	SEST-3	1.938	38.14	3564.3	FRESADO	0.439	9.39	541.7
	DEMOLICION	0.254	5.08	353.6				
1540.000	D TIERRA	7.302	146.91	13618.6	SUELO SEL	1.919	38.54	3599.1
	SEST-3	1.921	38.60	3602.9	FRESADO	0.342	7.81	549.5
	DEMOLICION	0.254	5.07	358.7				
1560.000	D TIERRA	7.350	146.52	13765.1	SUELO SEL	1.929	38.48	3637.6
	SEST-3	1.932	38.53	3641.4	FRESADO	0.341	6.82	556.4
	DEMOLICION	0.254	5.07	363.7				
1580.000	D TIERRA	7.583	149.32	13914.4	SUELO SEL	1.981	39.10	3676.7
	SEST-3	1.984	39.16	3680.6	FRESADO	0.362	7.02	563.4

	DEMOLICION	0.254	5.07	368.8				
1600.000	D TIERRA	7.667	152.49	14066.9	SUELO SEL	2.021	40.02	3716.7
	SEST-3	2.023	40.07	3720.7	FRESADO	0.304	6.66	570.0
	DEMOLICION	0.254	5.07	373.9				
1620.000	D TIERRA	7.645	153.11	14220.1	SUELO SEL	2.002	40.23	3756.9
	SEST-3	2.005	40.28	3760.9	FRESADO	0.312	6.16	576.2
	DEMOLICION	0.254	5.07	379.0				
1640.000	D TIERRA	7.888	155.33	14375.4	SUELO SEL	2.011	40.14	3797.1
	SEST-3	2.014	40.19	3801.1	FRESADO	0.614	9.26	585.5
	DEMOLICION	0.254	5.08	384.0				
1660.000	D TIERRA	8.040	159.29	14534.7	SUELO SEL	2.033	40.44	3837.5
	SEST-3	2.036	40.50	3841.6	FRESADO	0.701	13.15	598.6
	DEMOLICION	0.254	5.08	389.1				



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PROYECTO :
GRUPO : 0 : CALZADAS PRINCIPALES
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 2 : CALZADA DERECHA (CPOL2_a1.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1680.000	D TIERRA	7.897	159.37	14694.0	SUELO SEL	2.037	40.70	3878.2
	SEST-3	2.040	40.76	3882.4	FRESADO	0.542	12.43	611.0
	DEMOLICION	0.254	5.08	394.2				
1700.000	D TIERRA	7.855	157.52	14851.6	SUELO SEL	2.033	40.70	3918.9
	SEST-3	2.037	40.77	3923.2	FRESADO	0.529	10.72	621.8
	DEMOLICION	0.254	5.08	399.3				
1720.000	D TIERRA	7.149	150.04	15001.6	SUELO SEL	1.848	38.82	3957.7
	SEST-3	1.851	38.88	3962.0	FRESADO	0.459	9.89	631.6
	DEMOLICION	0.254	5.08	404.3				
1740.000	D TIERRA	6.866	140.15	15141.8	SUELO SEL	1.788	36.36	3994.1
	SEST-3	1.792	36.43	3998.5	FRESADO	0.366	8.26	639.9
	DEMOLICION	0.254	5.08	409.4				
1760.000	D TIERRA	6.198	130.64	15272.4	SUELO SEL	1.628	34.16	4028.3
	SEST-3	1.630	34.22	4032.7	FRESADO	0.385	7.51	647.4
	DEMOLICION	0.254	5.07	414.5				
1780.000	D TIERRA	5.844	120.42	15392.8	SUELO SEL	1.548	31.76	4060.0
	SEST-3	1.551	31.81	4064.5	FRESADO	0.455	8.40	655.8
	DEMOLICION	0.254	5.07	419.6				
1800.000	D TIERRA	5.525	113.61	15506.4	SUELO SEL	1.439	29.90	4089.9
	SEST-3	1.442	29.97	4094.5	FRESADO	0.692	11.74	667.6
	DEMOLICION	0.254	5.08	424.6				
1820.000	D TIERRA	4.833	103.58	15610.0	SUELO SEL	1.308	27.47	4117.4
	SEST-3	1.311	27.53	4122.0	FRESADO	0.426	11.18	678.7
	DEMOLICION	0.253	5.07	429.7				
1840.000	D TIERRA	4.356	91.89	15701.9	SUELO SEL	1.171	24.79	4142.2
	SEST-3	1.173	24.83	4146.8	FRESADO	0.574	10.00	688.7
	DEMOLICION	0.253	5.06	434.8				
1860.000	D TIERRA	3.626	79.82	15781.7	SUELO SEL	1.049	22.20	4164.4
	SEST-3	1.050	22.22	4169.1	FRESADO	0.453	10.26	699.0

DEMOLICION 0.253 5.07 505.7



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PROYECTO :
GRUPO : 0 : CALZADAS PRINCIPALES
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 2 : CALZADA DERECHA (CPOL2_a1.vol)

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2160.000	D TIERRA	2.575	50.85	17122.6	SUELO SEL	0.709	14.00	4527.8
	SEST-3	0.711	14.04	4533.0	FRESADO	1.100	22.01	939.9
	DEMOLICION	0.253	5.07	510.7				
2180.000	D TIERRA	2.516	50.91	17173.5	SUELO SEL	0.702	14.12	4541.9
	SEST-3	0.703	14.14	4547.2	FRESADO	0.934	20.35	960.2
	DEMOLICION	0.253	5.07	515.8				
2200.000	D TIERRA	2.276	47.92	17221.5	SUELO SEL	0.679	13.81	4555.7
	SEST-3	0.681	13.85	4561.0	FRESADO	0.463	13.98	974.2
	DEMOLICION	0.253	5.06	520.9				
2220.000	D TIERRA	2.241	44.90	17266.4	SUELO SEL	0.664	13.45	4569.1
	SEST-3	0.666	13.49	4574.5	FRESADO	0.416	8.78	983.0
	DEMOLICION	0.142	3.97	524.8				
2240.000	D TIERRA	2.327	45.68	17312.0	SUELO SEL	0.686	13.50	4582.6
	SEST-3	0.687	13.53	4588.1	FRESADO	0.412	8.29	991.2
	DEMOLICION	0.003	1.45	526.3				
2260.000	D TIERRA	2.876	52.03	17364.1	SUELO SEL	0.832	15.17	4597.8
	SEST-3	0.833	15.19	4603.3	FRESADO	0.398	8.10	999.3
	DEMOLICION	0.003	0.06	526.4				
2280.000	D TIERRA	3.296	61.72	17425.8	SUELO SEL	0.990	18.21	4616.0
	SEST-3	0.990	18.23	4621.5	FRESADO	0.382	7.80	1007.1
	DEMOLICION	0.003	0.06	526.4				
2300.000	D TIERRA	4.060	73.55	17499.4	SUELO SEL	1.192	21.82	4637.8
	SEST-3	1.193	21.83	4643.3	FRESADO	0.362	7.44	1014.6
	DEMOLICION	0.003	0.06	526.5				
2320.000	D TIERRA	4.765	88.24	17587.6	SUELO SEL	1.401	25.94	4663.8
	SEST-3	1.402	25.95	4669.3	FRESADO	0.341	7.02	1021.6
	DEMOLICION	0.003	0.06	526.5				
2340.000	D TIERRA	17.699	224.64	17812.2	SUELO SEL	4.799	62.00	4725.8
	SEST-3	4.798	62.00	4731.3	FRESADO	0.000	3.41	1025.0
	DEMOLICION	0.000	0.03	526.5				
2360.000	D TIERRA	16.554	341.87	18154.1	SUELO SEL	4.477	92.70	4818.5
	SEST-3	4.477	92.68	4823.9	FRESADO	0.037	0.37	1025.4
	DEMOLICION	0.250	2.84	529.4				
2380.000	D TIERRA	15.817	323.71	18477.8	SUELO SEL	4.218	86.96	4905.4
	SEST-3	4.217	86.95	4910.9	FRESADO	0.061	0.98	1026.3
	DEMOLICION	0.251	5.01	534.4				



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PROYECTO :
GRUPO : 0 : CALZADAS PRINCIPALES
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2400.000	D TIERRA	14.603	304.20	18782.0	SUELO SEL	3.974	81.93	4987.4
	SEST-3	3.974	81.92	4992.8	FRESADO	0.085	1.46	1027.8
	DEMOLICION	0.253	5.04	539.4				
2420.000	D TIERRA	14.245	289.15	19071.2	SUELO SEL	3.819	78.08	5065.4
	SEST-3	3.820	78.09	5070.9	FRESADO	0.205	2.49	1030.3
	DEMOLICION	0.253	5.06	544.5				
2440.000	D TIERRA	13.857	281.02	19352.2	SUELO SEL	3.733	75.52	5141.0
	SEST-3	3.733	75.53	5146.4	FRESADO	0.223	4.29	1034.6
	DEMOLICION	0.250	5.03	549.5				
2460.000	D TIERRA	13.263	271.19	19623.4	SUELO SEL	3.630	73.63	5214.6
	SEST-3	3.632	73.65	5220.1	FRESADO	0.239	4.62	1039.2
	DEMOLICION	0.253	5.03	554.6				
2480.000	D TIERRA	13.006	262.69	19886.1	SUELO SEL	3.564	71.94	5286.5
	SEST-3	3.565	71.96	5292.0	FRESADO	0.253	4.92	1044.1
	DEMOLICION	0.252	5.05	559.6				
2500.000	D TIERRA	13.271	262.77	20148.8	SUELO SEL	3.498	70.62	5357.1
	SEST-3	3.498	70.63	5362.7	FRESADO	0.268	5.20	1049.3
	DEMOLICION	0.251	5.04	564.6				
2520.000	D TIERRA	13.032	263.43	20412.3	SUELO SEL	3.410	69.17	5426.3
	SEST-3	3.409	69.18	5431.8	FRESADO	0.275	5.45	1054.8
	DEMOLICION	0.251	5.04	569.7				
2540.000	D TIERRA	12.653	256.86	20669.1	SUELO SEL	3.312	67.22	5493.5
	SEST-3	3.312	67.22	5499.1	FRESADO	0.276	5.51	1060.3
	DEMOLICION	0.250	5.01	574.7				
2560.000	D TIERRA	11.959	246.12	20915.2	SUELO SEL	3.208	65.20	5558.7
	SEST-3	3.209	65.21	5564.3	FRESADO	0.275	5.51	1065.8
	DEMOLICION	0.253	5.03	579.7				
2580.000	D TIERRA	11.612	235.71	21150.9	SUELO SEL	3.106	63.14	5621.9
	SEST-3	3.106	63.15	5627.4	FRESADO	0.276	5.51	1071.3
	DEMOLICION	0.251	5.04	584.8				
2600.000	D TIERRA	10.711	223.23	21374.2	SUELO SEL	2.912	60.18	5682.0
	SEST-3	2.912	60.18	5687.6	FRESADO	0.278	5.54	1076.9
	DEMOLICION	0.251	5.02	589.8				
2620.000	D TIERRA	10.265	209.76	21583.9	SUELO SEL	2.761	56.73	5738.8
	SEST-3	2.760	56.72	5744.3	FRESADO	0.275	5.52	1082.4
	DEMOLICION	0.251	5.02	594.8				

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2640.000	D TIERRA	9.393	196.58	21780.5	SUELO SEL	2.607	53.68	5792.5
	SEST-3	2.607	53.68	5798.0	FRESADO	0.273	5.48	1087.9
	DEMOLICION	0.250	5.01	599.8				
2660.000	D TIERRA	8.876	281.24	22061.8	SUELO SEL	2.454	77.44	5869.9
	SEST-3	2.454	77.43	5875.4	FRESADO	0.283	2.81	1090.7
	DEMOLICION	0.250	2.50	602.3				
2680.000	D TIERRA	8.078	169.54	22231.3	SUELO SEL	2.274	47.28	5917.2
	SEST-3	2.275	47.29	5922.7	FRESADO	0.298	5.81	1096.5
	DEMOLICION	0.250	4.99	607.3				
2700.000	D TIERRA	7.469	155.47	22386.8	SUELO SEL	2.093	43.67	5960.8
	SEST-3	2.094	43.69	5966.4	FRESADO	0.305	6.03	1102.5
	DEMOLICION	0.250	4.99	612.3				
2720.000	D TIERRA	7.355	148.24	22535.0	SUELO SEL	2.013	41.06	6001.9
	SEST-3	2.016	41.10	6007.5	FRESADO	0.306	6.11	1108.6
	DEMOLICION	0.253	5.03	617.3				
2740.000	D TIERRA	7.292	146.47	22681.5	SUELO SEL	1.948	39.61	6041.5
	SEST-3	1.951	39.66	6047.2	FRESADO	0.305	6.11	1114.7
	DEMOLICION	0.253	5.06	622.4				
2760.000	D TIERRA	7.162	144.54	22826.0	SUELO SEL	1.887	38.35	6079.9
	SEST-3	1.889	38.40	6085.6	FRESADO	0.305	6.10	1120.8
	DEMOLICION	0.254	5.07	627.5				
2780.000	D TIERRA	6.813	139.75	22965.8	SUELO SEL	1.802	36.89	6116.7
	SEST-3	1.805	36.94	6122.5	FRESADO	0.308	6.13	1127.0
	DEMOLICION	0.254	5.07	632.5				
2800.000	D TIERRA	6.736	135.55	23101.3	SUELO SEL	1.748	35.27	6152.0
	SEST-3	1.750	35.32	6157.8	FRESADO	0.563	9.44	1136.4
	DEMOLICION	0.254	5.08	637.6				
2820.000	D TIERRA	6.261	129.96	23231.3	SUELO SEL	1.708	34.56	6186.6
	SEST-3	1.710	34.60	6192.4	FRESADO	0.309	8.72	1145.1
	DEMOLICION	0.254	5.07	642.7				
2840.000	D TIERRA	6.053	123.14	23354.4	SUELO SEL	1.695	34.03	6220.6
	SEST-3	1.697	34.08	6226.5	FRESADO	0.310	6.19	1151.3
	DEMOLICION	0.253	5.07	647.7				
2860.000	D TIERRA	5.990	120.09	23474.5	SUELO SEL	1.694	34.00	6254.6
	SEST-3	1.696	34.04	6260.5	FRESADO	0.310	6.19	1157.5
	DEMOLICION	0.253	5.06	652.8				



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PROYECTO :
GRUPO : 0 : CALZADAS PRINCIPALES
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 2 : CALZADA DERECHA (CPOL2_a1.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2880.000	D TIERRA	6.272	122.62	23597.1	SUELO SEL	1.717	34.11	6288.7
	SEST-3	1.719	34.15	6294.7	FRESADO	0.332	6.42	1163.9
	DEMOLICION	0.254	5.07	657.9				

2886.159	D TIERRA	6.350	38.89	23636.0	SUELO SEL	1.729	10.61	6299.3
	SEST-3	1.730	10.62	6305.3	FRESADO	0.326	2.03	1165.9
	DEMOLICION	0.254	1.56	659.4				

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PROYECTO :
GRUPO : 0 : CALZADAS PRINCIPALES
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 2 : CALZADA DERECHA (CPOL2_a1.vol)

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* * * RESUMEN DE VOLUMENES TOTALES * * *

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MATERIAL	VOLUMEN
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D TIERRA	23636.0
SUELO SEL	6299.3
SEST-3	6305.3
FRESADO	1165.9
DEMOLICION	659.4

PROYECTO :
 GRUPO : 5 : CALZADAS LATERALES. EJES COMPLEMENTARIOS
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 3 : V30 - CALZADA IZQUIERDA (CPOL3_a1.vol1)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	D TIERRA	32.957	0.00	0.0	SUELO SEL	3.141	0.00	0.0
	SEST-3	3.396	0.00	0.0				
20.000	D TIERRA	33.927	668.84	668.8	SUELO SEL	3.475	66.16	66.2
	SEST-3	3.661	70.57	70.6				
40.000	D TIERRA	24.323	582.49	1251.3	SUELO SEL	3.592	70.67	136.8
	SEST-3	3.774	74.35	144.9				
60.000	D TIERRA	28.384	520.84	1772.2	SUELO SEL	3.597	71.91	208.7
	SEST-3	3.787	75.54	220.4				
60.000	D TIERRA	24.051	0.00	1772.2	SUELO SEL	3.597	0.00	208.7
	SEST-3	3.787	0.00	220.4	VEGETAL	4.333	0.00	0.0
80.000	D TIERRA	24.986	490.37	2262.5	SUELO SEL	3.597	71.94	280.7
	SEST-3	3.828	76.15	296.6	VEGETAL	4.383	87.16	87.2
100.000	D TIERRA	29.034	542.91	2805.5	SUELO SEL	3.591	71.91	352.6
	SEST-3	3.845	76.78	373.4	VEGETAL	4.434	88.17	175.3
120.000	D TIERRA	37.832	668.66	3474.1	SUELO SEL	3.589	71.80	424.4
	SEST-3	3.843	76.89	450.3	VEGETAL	4.484	89.18	264.5
140.000	D TIERRA	42.385	819.34	4293.5	SUELO SEL	3.591	71.81	496.2
	SEST-3	3.846	76.91	527.2	VEGETAL	4.535	90.19	354.7
180.000	D TIERRA	41.394	1675.57	5969.0	SUELO SEL	3.820	148.22	644.4
	SEST-3	4.065	158.22	685.4	VEGETAL	4.636	183.41	538.1
200.000	D TIERRA	46.037	874.31	6843.3	SUELO SEL	3.861	76.81	721.2
	SEST-3	4.109	81.75	767.1	VEGETAL	4.687	93.22	631.3
260.000	D TIERRA	1.529	1522.06	8365.4	SUELO SEL	4.126	238.63	959.9
	SEST-3	4.253	250.86	1018.0	TERRAPLEN	32.806	733.07	733.1
	VEGETAL	4.800	284.89	916.2				
280.000	D TIERRA	0.000	0.73	8366.1	SUELO SEL	4.200	82.02	1041.9
	SEST-3	4.200	83.36	1101.4	TERRAPLEN	18.836	590.65	1323.7
	VEGETAL	4.200	84.27	1000.5				
300.000	SUELO SEL	4.200	84.00	1125.9	SEST-3	4.200	84.00	1185.4
	TERRAPLEN	29.384	482.20	1805.9	VEGETAL	4.200	84.00	1084.5
320.000	SUELO SEL	4.200	84.00	1209.9	SEST-3	4.200	84.00	1269.4
	TERRAPLEN	42.760	721.44	2527.4	VEGETAL	4.200	84.00	1168.5
340.000	SUELO SEL	4.200	84.00	1293.9	SEST-3	4.200	84.00	1353.4
	TERRAPLEN	55.286	980.46	3507.8	VEGETAL	4.200	84.00	1252.5
360.000	SUELO SEL	4.200	84.00	1377.9	SEST-3	4.200	84.00	1437.4
	INADECUADO	56.000	560.00	560.0	TERRAPLEN	114.397	1718.25	5226.1
	VEGETAL	0.000	42.00	1294.5				



PROYECTO :
 GRUPO : 5 : CALZADAS LATERALES. EJES COMPLEMENTARIOS

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 3 : V30 - CALZADA IZQUIERDA (CPOL3_a1.vol)

 * * * MEDICIONES DE LOS PERFILES TRANSVERSALES * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
380.000	SUELO SEL	4.200	84.00	1461.9	SEST-3	4.200	84.00	1521.4
	INADECUADO	56.000	1120.00	1680.0	TERRAPLEN	240.692	3306.15	8532.2
400.000	SUELO SEL	4.200	84.00	1545.9	SEST-3	4.200	84.00	1605.4
	INADECUADO	22.400	532.00	2212.0	TERRAPLEN	198.082	4556.26	13088.5
	VEGETAL	5.600	98.00	1392.5				
400.000	SUELO SEL	4.200	0.00	1545.9	SEST-3	4.200	0.00	1605.4
	TERRAPLEN	175.682	0.00	13088.5	VEGETAL	5.600	0.00	1392.5
420.000	SUELO SEL	4.200	84.00	1629.9	SEST-3	4.200	84.00	1689.4
	TERRAPLEN	147.134	3132.95	16221.4	VEGETAL	5.600	112.00	1504.5
440.000	SUELO SEL	4.200	84.00	1713.9	SEST-3	4.200	84.00	1773.4
	TERRAPLEN	134.347	2814.81	19036.3	VEGETAL	5.600	112.00	1616.5
460.000	SUELO SEL	4.200	84.00	1797.9	SEST-3	4.200	84.00	1857.3
	TERRAPLEN	142.216	2773.40	21809.7	VEGETAL	5.600	112.00	1728.5
480.000	SUELO SEL	4.200	84.00	1881.9	SEST-3	4.200	84.00	1941.3
	TERRAPLEN	138.964	2811.79	24621.4	VEGETAL	5.600	112.00	1840.5
480.000	SUELO SEL	4.200	0.00	1881.9	SEST-3	4.200	0.00	1941.3
	TERRAPLEN	133.364	0.00	24621.4				
500.000	SUELO SEL	4.200	84.00	1965.9	SEST-3	4.200	84.00	2025.3
	TERRAPLEN	148.135	2738.05	27359.5				
520.000	SUELO SEL	4.200	84.00	2049.9	SEST-3	4.200	84.00	2109.3
	TERRAPLEN	107.790	2559.25	29918.7				
520.000	SUELO SEL	4.200	0.00	2049.9	SEST-3	4.200	0.00	2109.3
	TERRAPLEN	110.590	0.00	29918.7	VEGETAL	2.800	0.00	1840.5
540.000	SUELO SEL	4.200	84.00	2133.9	SEST-3	4.200	84.00	2193.3
	TERRAPLEN	104.876	2099.56	32018.3	VEGETAL	2.800	56.00	1896.5
560.000	SUELO SEL	4.200	84.00	2217.9	SEST-3	4.200	84.00	2277.3
	TERRAPLEN	105.871	2107.46	34125.8	VEGETAL	2.800	56.00	1952.5
580.000	SUELO SEL	4.200	84.00	2301.9	SEST-3	4.200	84.00	2361.3
	TERRAPLEN	110.276	2146.17	36271.9	VEGETAL	2.800	56.00	2008.5
600.000	SUELO SEL	4.200	84.00	2385.9	SEST-3	4.200	84.00	2445.3
	TERRAPLEN	110.042	2200.65	38472.6	VEGETAL	2.800	56.00	2064.5
620.000	SUELO SEL	4.350	85.50	2471.4	SEST-3	4.350	85.50	2530.8
	TERRAPLEN	137.254	2472.95	40945.5	VEGETAL	2.900	57.00	2121.5
640.000	SUELO SEL	0.000	21.75	2493.1	SEST-3	0.000	21.75	2552.6
	TERRAPLEN	0.000	686.27	41631.8	VEGETAL	0.000	14.50	2136.0
740.000	SUELO SEL	5.877	14.69	2507.8	SEST-3	5.418	13.54	2566.1
	INADECUADO	35.064	87.66	2299.7	TERRAPLEN	190.564	476.41	42108.2
	VEGETAL	8.766	21.92	2157.9				



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PROYECTO :
 GRUPO : 5 : CALZADAS LATERALES. EJES COMPLEMENTARIOS
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 3 : V30 - CALZADA IZQUIERDA (CPOL3_a1.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
760.000	SUELO SEL	5.794	116.73	2624.5	SEST-3	5.399	108.17	2674.3
	INADECUADO	31.200	662.45	2962.1	TERRAPLEN	153.531	3446.49	45554.7
	VEGETAL	7.800	165.61	2323.5				
760.000	SUELO SEL	5.794	0.00	2624.5	SEST-3	5.399	0.00	2674.3
	TERRAPLEN	120.381	0.00	45554.7	VEGETAL	5.850	0.00	2323.5
780.000	SUELO SEL	5.108	109.02	2733.6	SEST-3	5.098	104.97	2779.3
	TERRAPLEN	68.056	1884.37	47439.1	VEGETAL	5.109	109.59	2433.1
800.000	SUELO SEL	4.400	93.97	2827.5	SEST-3	4.399	93.95	2873.2
	TERRAPLEN	41.121	1051.48	48490.6	VEGETAL	4.400	93.97	2527.1
820.000	SUELO SEL	3.956	83.56	2911.1	SEST-3	3.956	83.55	2956.8
	TERRAPLEN	32.641	737.62	49228.2	VEGETAL	3.956	83.56	2610.6
840.000	SUELO SEL	3.613	75.64	2986.7	SEST-3	3.613	75.64	3032.4
	TERRAPLEN	28.607	605.89	49834.1	VEGETAL	3.613	75.64	2686.3
860.000	D TIERRA	42.628	101.90	8468.0	SUELO SEL	3.405	69.51	3056.2
	SEST-3	3.534	70.03	3102.5	TERRAPLEN	0.000	425.25	50259.3
	VEGETAL	4.082	72.84	2759.1				
860.000	D TIERRA	46.710	0.00	8468.0	SUELO SEL	3.405	0.00	3056.2
	SEST-3	3.534	0.00	3102.5				
880.000	D TIERRA	74.995	1566.24	10034.3	SUELO SEL	3.320	67.58	3123.8
	SEST-3	3.450	70.16	3172.6				
900.000	D TIERRA	0.000	530.20	10564.5	SUELO SEL	2.683	61.52	3185.3
	SEST-3	2.813	64.11	3236.7	TERRAPLEN	30.048	79.59	50338.9
	VEGETAL	5.547	13.87	2773.0				
920.000	SUELO SEL	2.683	53.64	3239.0	SEST-3	2.814	56.24	3293.0
	TERRAPLEN	55.620	1185.25	51524.2	VEGETAL	5.548	110.91	2883.9
930.042	SUELO SEL	2.674	26.91	3265.9	SEST-3	2.805	28.22	3321.2
	TERRAPLEN	54.350	547.75	52071.9	VEGETAL	5.533	55.66	2939.5



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PROYECTO :

GRUPO : 5 : CALZADAS LATERALES. EJES COMPLEMENTARIOS

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 3 : V30 - CALZADA IZQUIERDA (CPOL3_a1.vol)

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* * * RESUMEN DE VOLUMENES TOTALES * * *

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MATERIAL	VOLUMEN
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D TIERRA	10564.5
SUELO SEL	3265.9
SEST-3	3321.2
INADECUADO	2962.1

TERRAPLEN
VEGETAL

52071.9
2939.5

PROYECTO :
 GRUPO : 1 : CALZADAS LATERALES
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 4 : CALZADA LATERAL IZQUIERDA (CPOL4_a1.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	SUELO SEL	3.298	0.00	0.0	SEST-3	3.297	0.00	0.0
	INADECUADO	21.984	0.00	0.0	TERRAPLEN	75.639	0.00	0.0
20.000	SUELO SEL	3.316	66.02	66.0	SEST-3	3.316	66.02	66.0
	INADECUADO	22.105	440.12	440.1	TERRAPLEN	135.399	2123.15	2123.2
40.000	SUELO SEL	3.337	66.17	132.2	SEST-3	3.337	66.17	132.2
	INADECUADO	0.000	55.26	495.4	TERRAPLEN	41.317	1853.91	3977.1
60.000	D TIERRA	0.000	5.75	5.7	SUELO SEL	3.391	67.24	199.4
	SEST-3	3.391	67.24	199.4	TERRAPLEN	26.634	537.77	4514.8
80.000	SUELO SEL	3.518	68.85	268.3	SEST-3	3.518	68.85	268.3
	TERRAPLEN	33.518	595.01	5109.8				
100.000	SUELO SEL	3.603	71.21	339.5	SEST-3	3.602	71.21	339.5
	TERRAPLEN	36.836	726.52	5836.4				
120.000	SUELO SEL	3.695	72.73	412.2	SEST-3	3.695	72.73	412.2
	TERRAPLEN	21.128	638.07	6474.4	VEGETAL	2.463	24.43	24.4
140.000	SUELO SEL	3.831	75.20	487.4	SEST-3	3.831	75.20	487.4
	TERRAPLEN	41.021	489.26	6963.7	VEGETAL	2.554	50.13	74.6
160.000	SUELO SEL	3.970	78.01	565.4	SEST-3	3.970	78.01	565.4
	TERRAPLEN	13.005	453.20	7416.9	VEGETAL	2.647	52.01	126.6
180.000	SUELO SEL	4.108	80.78	646.2	SEST-3	4.108	80.78	646.2
	TERRAPLEN	7.562	205.67	7622.6	VEGETAL	2.739	53.85	180.4
200.000	SUELO SEL	4.199	83.08	729.3	SEST-3	4.200	83.08	729.3
	TERRAPLEN	4.128	116.90	7739.5	VEGETAL	2.800	55.39	235.8
220.000	D TIERRA	3.892	37.72	43.5	SUELO SEL	4.198	83.98	813.3
	SEST-3	4.199	83.99	813.3	TERRAPLEN	0.446	44.84	7784.3
	VEGETAL	2.800	56.00	291.8				
240.000	D TIERRA	7.269	111.61	155.1	SUELO SEL	4.318	85.17	898.4
	SEST-3	4.318	85.17	898.5	TERRAPLEN	0.235	6.82	7791.1
	VEGETAL	3.016	58.16	350.0				
260.000	D TIERRA	0.000	72.69	227.8	SUELO SEL	4.200	85.18	983.6
	SEST-3	4.200	85.19	983.6	TERRAPLEN	16.317	165.52	7956.6
	VEGETAL	2.800	58.16	408.1				
280.000	SUELO SEL	4.200	84.00	1067.6	SEST-3	4.200	84.00	1067.6
	TERRAPLEN	19.064	353.81	8310.5	VEGETAL	5.600	84.00	492.1
300.000	D TIERRA	0.285	1.70	229.5	SUELO SEL	4.199	83.98	1151.6
	SEST-3	4.198	83.99	1151.6	TERRAPLEN	29.286	375.85	8686.3
	VEGETAL	5.600	112.00	604.1				



PROYECTO :
 GRUPO : 1 : CALZADAS LATERALES
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 4 : CALZADA LATERAL IZQUIERDA (CPOL4_a1.vol)

 * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
320.000	D TIERRA	3.527	38.12	267.6	SUELO SEL	4.319	85.17	1236.8
	SEST-3	4.311	85.10	1236.7	TERRAPLEN	30.426	597.12	9283.4
	VEGETAL	6.400	120.00	724.1				
340.000	D TIERRA	0.053	32.36	299.9	SUELO SEL	4.078	84.06	1320.8
	SEST-3	4.078	84.00	1320.7	TERRAPLEN	19.804	504.59	9788.0
	VEGETAL	5.440	117.89	842.0				
360.000	D TIERRA	0.075	1.28	301.2	SUELO SEL	4.078	81.56	1402.4
	SEST-3	4.078	81.56	1402.3	TERRAPLEN	8.713	285.17	10073.2
	VEGETAL	5.439	108.79	950.8				
360.000	SUELO SEL	4.078	0.00	1402.4	SEST-3	4.078	0.00	1402.3
	INADECUADO	21.756	0.00	495.4	TERRAPLEN	30.393	0.00	10073.2
	VEGETAL	5.439	0.00	950.8				
380.000	D TIERRA	2.970	29.70	330.9	SUELO SEL	4.437	85.15	1487.5
	SEST-3	4.325	84.02	1486.3	INADECUADO	26.258	480.14	975.5
	TERRAPLEN	16.931	473.24	10546.4	VEGETAL	6.604	120.43	1071.2
380.000	D TIERRA	13.224	0.00	330.9	SUELO SEL	4.437	0.00	1487.5
	SEST-3	4.325	0.00	1486.3	TERRAPLEN	0.926	0.00	10546.4
	VEGETAL	6.604	0.00	1071.2				
400.000	D TIERRA	13.286	265.10	596.0	SUELO SEL	4.437	88.74	1576.3
	SEST-3	4.325	86.50	1572.8	TERRAPLEN	0.000	9.26	10555.7
	VEGETAL	6.612	132.17	1203.4				
420.000	D TIERRA	33.300	465.87	1061.9	SUELO SEL	4.437	88.74	1665.0
	SEST-3	4.325	86.50	1659.3	TERRAPLEN	0.010	0.10	10555.8
	VEGETAL	6.607	132.19	1335.6				
440.000	D TIERRA	53.916	850.11	1912.0	SUELO SEL	4.437	88.74	1753.8
	SEST-3	4.325	86.51	1745.8	TERRAPLEN	0.000	0.08	10555.9
	VEGETAL	6.677	132.99	1468.6				
460.000	D TIERRA	63.201	1171.17	3083.2	SUELO SEL	4.437	88.74	1842.5
	SEST-3	4.437	87.63	1833.4	VEGETAL	0.000	66.77	1535.4
480.000	D TIERRA	119.808	1691.27	4774.4	SUELO SEL	4.436	88.74	1931.2
	SEST-3	4.436	88.73	1922.2				
500.000	D TIERRA	259.921	3426.68	8201.1	SUELO SEL	4.437	88.74	2020.0
	SEST-3	4.437	88.74	2010.9				
520.000	D TIERRA	229.771	4968.35	13169.5	SUELO SEL	4.437	88.74	2108.7
	SEST-3	4.437	88.74	2099.7				
540.000	D TIERRA	76.062	3016.24	16185.7	SUELO SEL	4.437	88.74	2197.4
	SEST-3	4.437	88.74	2188.4				



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PROYECTO :
 GRUPO : 1 : CALZADAS LATERALES
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 4 : CALZADA LATERAL IZQUIERDA (CPOL4_a1.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
540.000	D TIERRA	61.138	0.00	16185.7	SUELO SEL	4.437	0.00	2197.4
	SEST-3	4.437	0.00	2188.4	VEGETAL	14.925	0.00	1535.4
560.000	D TIERRA	61.286	1224.24	17410.0	SUELO SEL	4.437	88.74	2286.2
	SEST-3	4.437	88.74	2277.1	VEGETAL	15.061	299.86	1835.2
580.000	D TIERRA	97.901	1591.87	19001.8	SUELO SEL	4.047	84.84	2371.0
	SEST-3	4.047	84.84	2362.0	VEGETAL	11.288	263.49	2098.7
600.000	D TIERRA	90.633	1885.34	20887.2	SUELO SEL	4.047	80.94	2452.0
	SEST-3	4.047	80.94	2442.9	VEGETAL	11.112	224.00	2322.7
620.000	D TIERRA	59.927	1505.60	22392.8	SUELO SEL	4.047	80.94	2532.9
	SEST-3	4.047	80.94	2523.9	VEGETAL	10.376	214.88	2537.6
640.000	D TIERRA	58.320	1182.47	23575.2	SUELO SEL	4.047	80.94	2613.8
	SEST-3	4.046	80.93	2604.8	VEGETAL	9.567	199.42	2737.0
640.000	D TIERRA	58.320	0.00	23575.2	SUELO SEL	4.047	0.00	2613.8
	SEST-3	4.046	0.00	2604.8	VEGETAL	9.567	0.00	2737.0
660.000	D TIERRA	89.465	1477.85	25053.1	SUELO SEL	4.047	80.94	2694.8
	SEST-3	4.047	80.93	2685.7	VEGETAL	9.062	186.28	2923.3
660.000	D TIERRA	89.465	0.00	25053.1	SUELO SEL	4.047	0.00	2694.8
	SEST-3	4.047	0.00	2685.7	VEGETAL	9.062	0.00	2923.3
680.000	D TIERRA	79.978	1694.43	26747.5	SUELO SEL	4.047	80.94	2775.7
	SEST-3	4.047	80.94	2766.7	VEGETAL	9.127	181.89	3105.2
700.000	D TIERRA	99.622	1796.00	28543.5	SUELO SEL	4.047	80.94	2856.7
	SEST-3	4.047	80.94	2847.6	VEGETAL	9.052	181.79	3287.0
720.000	D TIERRA	105.273	2089.96	30633.5	SUELO SEL	4.047	80.94	2937.6
	SEST-3	4.047	80.94	2928.5	VEGETAL	9.519	185.03	3472.0
740.000	D TIERRA	109.373	2146.46	32779.9	SUELO SEL	4.047	80.94	3018.6
	SEST-3	4.047	80.93	3009.5	VEGETAL	10.247	197.66	3669.7
760.000	D TIERRA	82.949	1923.21	34703.1	SUELO SEL	4.047	80.94	3099.5
	SEST-3	4.047	80.93	3090.4	VEGETAL	9.762	200.09	3869.8
780.000	D TIERRA	55.778	1387.27	36090.4	SUELO SEL	4.047	80.94	3180.4
	SEST-3	4.047	80.93	3171.3	VEGETAL	8.127	178.90	4048.7
800.000	D TIERRA	16.344	721.22	36811.6	SUELO SEL	4.205	82.52	3263.0
	SEST-3	4.121	81.68	3253.0	TERRAPLEN	0.457	4.57	10560.4
	VEGETAL	7.017	151.44	4200.1				
820.000	D TIERRA	2.555	189.00	37000.6	SUELO SEL	4.344	85.49	3348.4
	SEST-3	4.343	84.65	3337.7	INADECUADO	27.714	277.14	1252.7
	TERRAPLEN	17.470	179.27	10739.7	VEGETAL	10.065	170.82	4370.9



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PROYECTO :

GRUPO : 1 : CALZADAS LATERALES

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 4 : CALZADA LATERAL IZQUIERDA (CPOL4_a1.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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1080.000	SUELO SEL	5.092	100.69	4701.5	SEST-3	7.905	158.01	5049.7
	TERRAPLEN	75.173	1363.89	22604.7	VEGETAL	17.220	335.48	6805.0
1100.000	SUELO SEL	5.103	102.02	4803.5	SEST-3	7.904	158.09	5207.8
	TERRAPLEN	85.136	1608.91	24213.6	VEGETAL	17.874	351.57	7156.6
1120.000	SUELO SEL	4.963	100.29	4903.8	SEST-3	7.886	157.86	5365.7
	TERRAPLEN	67.426	1680.25	25893.8	VEGETAL	16.553	352.69	7509.3
1120.000	SUELO SEL	4.963	0.00	4903.8	SEST-3	7.886	0.00	5365.7
	TERRAPLEN	57.080	0.00	25893.8	VEGETAL	6.208	0.00	7509.3
1140.000	SUELO SEL	5.035	99.97	5003.8	SEST-3	7.902	157.88	5523.5
	TERRAPLEN	67.793	1248.73	27142.5	VEGETAL	6.506	127.14	7636.4
1160.000	SUELO SEL	4.953	99.92	5103.7	SEST-3	7.879	157.83	5681.4
	TERRAPLEN	75.269	1433.88	28576.4	VEGETAL	6.602	131.14	7767.6
1180.000	SUELO SEL	4.891	98.44	5202.1	SEST-3	7.830	157.09	5838.5
	TERRAPLEN	66.691	1419.60	29996.0	VEGETAL	6.381	129.82	7897.4
1200.000	SUELO SEL	4.818	97.26	5299.4	SEST-3	7.737	155.94	5994.4
	TERRAPLEN	72.840	1400.26	31396.3	VEGETAL	6.401	128.07	8025.5
1220.000	SUELO SEL	4.549	93.67	5393.1	SEST-3	7.289	150.26	6144.7
	TERRAPLEN	69.039	1418.80	32815.1	VEGETAL	6.236	126.37	8151.8
1240.000	SUELO SEL	4.399	89.48	5482.6	SEST-3	7.040	143.29	6288.0
	TERRAPLEN	74.792	1438.31	34253.4	VEGETAL	6.240	124.75	8276.6
1260.000	SUELO SEL	4.297	86.96	5569.5	SEST-3	6.870	139.10	6427.1
	TERRAPLEN	69.184	1439.76	35693.2	VEGETAL	6.058	122.98	8399.6
1280.000	SUELO SEL	4.193	84.90	5654.4	SEST-3	6.696	135.67	6562.7
	TERRAPLEN	65.122	1343.06	37036.2	VEGETAL	5.628	116.86	8516.4
1300.000	SUELO SEL	4.061	82.54	5737.0	SEST-3	6.476	131.73	6694.4
	TERRAPLEN	58.148	1232.70	38268.9	VEGETAL	5.057	106.85	8623.3
1320.000	SUELO SEL	4.099	81.59	5818.5	SEST-3	6.539	130.16	6824.6
	TERRAPLEN	51.705	1098.53	39367.4	VEGETAL	5.111	101.68	8725.0
1340.000	SUELO SEL	4.013	81.12	5899.7	SEST-3	6.397	129.36	6954.0
	TERRAPLEN	43.795	955.00	40322.4	VEGETAL	4.925	100.36	8825.3
1340.000	SUELO SEL	4.013	0.00	5899.7	SEST-3	6.397	0.00	6954.0
	TERRAPLEN	45.436	0.00	40322.4	VEGETAL	6.567	0.00	8825.3
1360.000	SUELO SEL	3.908	79.23	5978.9	SEST-3	6.222	126.21	7080.2
	TERRAPLEN	54.784	1069.76	41392.2	VEGETAL	5.459	130.19	8955.5
1380.000	SUELO SEL	3.797	77.05	6055.9	SEST-3	6.036	122.58	7202.8
	TERRAPLEN	34.402	891.85	42284.1	VEGETAL	4.872	103.31	9058.8
1395.872	SUELO SEL	5.102	70.62	6126.6	SEST-3	7.902	110.61	7313.4
	TERRAPLEN	23.017	455.67	42739.7	VEGETAL	6.274	88.45	9147.3



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PROYECTO :

GRUPO : 1 : CALZADAS LATERALES

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 4 : CALZADA LATERAL IZQUIERDA (CPOL4_a1.vol)

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* * *      RESUMEN DE VOLUMENES TOTALES      * * *
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MATERIAL	VOLUMEN
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D TIERRA	38992.8

SUELO SEL	6126.6
SEST-3	7313.4
INADECUADO	7044.8
TERRAPLEN	42739.7
VEGETAL	9147.3

PROYECTO :
 GRUPO : 5 : CALZADAS LATERALES. EJES COMPLEMENTARIOS
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 5 : TRANSFER CALZADA IZQUIERDA-C.L.I. (CPOL5_a1.vol)

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 * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	SUELO SEL	3.150	0.00	0.0	SEST-3	3.150	0.00	0.0
	TERRAPLEN	45.753	0.00	0.0	VEGETAL	3.150	0.00	0.0
20.000	SUELO SEL	2.327	54.77	54.8	SEST-3	2.327	54.77	54.8
	TERRAPLEN	31.810	775.63	775.6	VEGETAL	2.327	54.77	54.8
40.000	SUELO SEL	2.399	47.33	102.1	SEST-3	2.399	47.34	102.1
	TERRAPLEN	32.100	632.52	1408.2	VEGETAL	2.399	47.34	102.1
60.000	SUELO SEL	2.473	48.72	150.8	SEST-3	2.473	48.72	150.8
	TERRAPLEN	35.490	675.90	2084.1	VEGETAL	2.473	48.72	150.8
80.000	SUELO SEL	2.594	50.67	201.5	SEST-3	2.594	50.67	201.5
	TERRAPLEN	31.775	672.65	2756.7	VEGETAL	2.594	50.67	201.5
100.000	SUELO SEL	2.672	52.62	254.1	SEST-3	2.672	52.62	254.1
	INADECUADO	8.905	44.53	44.5	TERRAPLEN	40.878	696.37	3453.1
	VEGETAL	0.000	39.26	240.8				
120.000	SUELO SEL	2.771	54.43	308.5	SEST-3	2.771	54.43	308.5
	INADECUADO	9.238	181.43	226.0	TERRAPLEN	41.999	828.77	4281.8
140.000	SUELO SEL	2.701	55.13	363.7	SEST-3	2.701	55.13	363.7
	INADECUADO	9.005	183.78	409.7	TERRAPLEN	43.975	867.88	5149.7
160.000	SUELO SEL	2.685	54.30	418.0	SEST-3	2.685	54.30	418.0
	INADECUADO	0.000	45.02	454.8	TERRAPLEN	31.022	698.56	5848.3
180.000	SUELO SEL	2.630	52.42	470.4	SEST-3	2.630	52.42	470.4
	TERRAPLEN	31.228	597.68	6446.0				
200.000	SUELO SEL	2.727	53.61	524.0	SEST-3	2.727	53.61	524.0
	TERRAPLEN	35.500	667.36	7113.3				
220.000	SUELO SEL	2.563	52.97	577.0	SEST-3	2.563	52.96	577.0
	TERRAPLEN	32.066	707.38	7820.7				
240.000	SUELO SEL	2.472	50.35	627.3	SEST-3	2.472	50.35	627.3
	TERRAPLEN	31.690	637.56	8458.3	VEGETAL	2.472	24.72	265.5
260.000	SUELO SEL	2.394	48.66	676.0	SEST-3	2.393	48.66	676.0
	TERRAPLEN	26.640	561.44	9019.7	VEGETAL	2.394	48.66	314.1
280.000	SUELO SEL	2.311	47.05	723.0	SEST-3	2.303	46.97	723.0
	TERRAPLEN	19.149	476.03	9495.8	VEGETAL	2.311	47.04	361.2
294.729	SUELO SEL	4.046	33.68	756.7	SEST-3	3.758	33.35	756.3
	TERRAPLEN	24.033	234.93	9730.7	VEGETAL	5.147	34.45	395.6



PROYECTO :
 GRUPO : 5 : CALZADAS LATERALES. EJES COMPLEMENTARIOS
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 5 : TRANSFER CALZADA IZQUIERDA-C.L.I. (CPOL5_a1.vol)

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* * *	RESUMEN DE VOLUMENES TOTALES	* * *
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MATERIAL	VOLUMEN
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SUELO SEL	756.7
SEST-3	756.3
INADECUADO	454.8
TERRAPLEN	9730.7
VEGETAL	395.6

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 PROYECTO :
 GRUPO : 2 : ENLACE CV35
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 6 : RAMAL C.L.I. - CV35 (V) (CPOL6_a1.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	D TIERRA	72.779	0.00	0.0	SUELO SEL	4.437	0.00	0.0
	SEST-3	4.437	0.00	0.0	VEGETAL	9.110	0.00	0.0
20.000	D TIERRA	87.687	1951.10	1951.1	SUELO SEL	3.443	68.60	68.6
	SEST-3	3.443	68.60	68.6	VEGETAL	7.564	152.21	152.2
40.000	D TIERRA	46.777	1061.38	3012.5	SUELO SEL	3.653	70.82	139.4
	SEST-3	3.653	70.82	139.4	VEGETAL	5.022	119.56	271.8
60.000	D TIERRA	30.719	828.08	3840.6	SUELO SEL	2.379	68.82	208.2
	SEST-3	2.379	68.82	208.2	VEGETAL	3.509	94.23	366.0
80.000	D TIERRA	20.322	520.23	4360.8	SUELO SEL	2.591	49.76	258.0
	SEST-3	2.591	49.76	258.0	VEGETAL	3.429	68.59	434.6
100.000	D TIERRA	15.397	394.96	4755.7	SUELO SEL	2.881	54.57	312.6
	SEST-3	2.881	54.58	312.6	VEGETAL	3.565	70.53	505.1
120.000	D TIERRA	5.064	223.66	4979.4	SUELO SEL	3.047	59.43	372.0
	SEST-3	3.047	59.43	372.0	VEGETAL	3.049	69.61	574.7
120.000	D TIERRA	8.112	0.00	4979.4	SUELO SEL	3.047	0.00	372.0
	SEST-3	3.047	0.00	372.0				
140.000	D TIERRA	7.598	133.96	5113.4	SUELO SEL	3.769	67.60	439.6
	SEST-3	3.625	67.01	439.0	TERRAPLEN	0.043	0.10	0.1
160.000	D TIERRA	8.872	164.70	5278.1	SUELO SEL	3.460	72.29	511.9
	SEST-3	3.319	69.44	508.5	TERRAPLEN	0.000	0.43	0.5
180.000	D TIERRA	8.450	170.94	5449.0	SUELO SEL	3.269	66.83	578.7
	SEST-3	3.126	63.97	572.4	TERRAPLEN	0.447	4.37	4.9
200.000	D TIERRA	8.289	167.39	5616.4	SUELO SEL	2.384	56.52	635.2
	SEST-3	2.384	55.09	627.5	TERRAPLEN	0.000	4.47	9.4
207.804	D TIERRA	9.293	69.17	5685.6	SUELO SEL	2.911	21.12	656.4
	SEST-3	2.805	20.71	648.2				



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 PROYECTO :
 GRUPO : 2 : ENLACE CV35
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 6 : RAMAL C.L.I. - CV35 (V) (CPOL6_a1.vol)

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* * * RESUMEN DE VOLUMENES TOTALES * * *

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MATERIAL	VOLUMEN
D TIERRA	5685.6
SUELO SEL	656.4

SEST-3	648.2
TERRAPLEN	9.4
VEGETAL	574.7

PROYECTO :
 GRUPO : 5 : CALZADAS LATERALES. EJES COMPLEMENTARIOS
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 7 : TRANSFER C.L.D. - CALZADA DERECHA (CPOL7_a1.vol)

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 * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	D TIERRA	12.115	0.00	0.0	SUELO SEL	3.493	0.00	0.0
	SEST-3	3.493	0.00	0.0				
20.000	D TIERRA	11.539	236.54	236.5	SUELO SEL	3.624	71.17	71.2
	SEST-3	3.624	71.17	71.2				
40.000	D TIERRA	11.346	228.85	465.4	SUELO SEL	3.731	73.55	144.7
	SEST-3	3.731	73.55	144.7				
60.000	D TIERRA	10.312	216.58	682.0	SUELO SEL	3.564	72.95	217.7
	SEST-3	3.564	72.95	217.7				
80.000	D TIERRA	10.995	213.07	895.1	SUELO SEL	3.796	73.60	291.3
	SEST-3	3.796	73.60	291.3				
100.000	D TIERRA	11.011	221.18	1116.2	SUELO SEL	3.745	75.53	366.8
	SEST-3	3.745	75.53	366.8				
120.000	D TIERRA	10.607	213.73	1330.0	SUELO SEL	3.673	74.08	440.9
	SEST-3	3.673	74.08	440.9				
140.000	D TIERRA	11.213	219.19	1549.2	SUELO SEL	3.610	72.85	513.7
	SEST-3	3.610	72.85	513.7				
160.000	D TIERRA	11.039	223.88	1773.0	SUELO SEL	3.469	70.93	584.7
	SEST-3	3.469	70.93	584.7				
180.000	D TIERRA	10.794	215.97	1989.0	SUELO SEL	3.342	68.00	652.7
	SEST-3	3.342	68.00	652.7				
200.000	D TIERRA	10.350	213.29	2202.3	SUELO SEL	3.192	65.46	718.1
	SEST-3	3.192	65.46	718.1				
220.000	D TIERRA	10.176	202.73	2405.0	SUELO SEL	3.061	62.61	780.7
	SEST-3	3.061	62.61	780.7				
240.000	D TIERRA	9.574	197.16	2602.2	SUELO SEL	2.922	59.87	840.6
	SEST-3	2.922	59.87	840.6				
260.000	D TIERRA	8.935	187.85	2790.0	SUELO SEL	2.823	57.54	898.1
	SEST-3	2.823	57.54	898.2				
280.000	D TIERRA	8.428	171.47	2961.5	SUELO SEL	2.750	55.52	953.7
	SEST-3	2.750	55.52	953.7				
300.000	D TIERRA	8.147	166.88	3128.4	SUELO SEL	2.712	54.75	1008.4
	SEST-3	2.712	54.75	1008.4				
320.000	D TIERRA	7.909	162.85	3291.2	SUELO SEL	2.621	53.15	1061.6
	SEST-3	2.621	53.15	1061.6				
340.000	D TIERRA	7.552	153.68	3444.9	SUELO SEL	2.562	51.77	1113.3
	SEST-3	2.562	51.77	1113.3				
356.042	D TIERRA	11.326	138.93	3583.8	SUELO SEL	3.747	46.71	1160.1
	SEST-3	3.747	46.71	1160.1				



PROYECTO :
 GRUPO : 5 : CALZADAS LATERALES. EJES COMPLEMENTARIOS
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 7 : TRANSFER C.L.D. - CALZADA DERECHA (CPOL7_a1.vol)

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* * * RESUMEN DE VOLUMENES TOTALES * * *
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MATERIAL	VOLUMEN
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D TIERRA	3583.8
SUELO SEL	1160.1
SEST-3	1160.1

PROYECTO :
 GRUPO : 2 : ENLACE CV35
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 8 : RAMAL CV-35 (A) - C.L.I. (CPOL8_a1.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	D TIERRA	2.374	0.00	0.0	SUELO SEL	3.768	0.00	0.0
	SEST-3	3.768	0.00	0.0	INADECUADO	34.096	0.00	0.0
	TERRAPLEN	10.715	0.00	0.0				
20.000	D TIERRA	0.000	22.28	22.3	SUELO SEL	3.632	74.13	74.1
	SEST-3	3.632	74.13	74.1	INADECUADO	25.522	620.73	620.7
	TERRAPLEN	14.809	232.10	232.1				
40.000	SUELO SEL	3.692	73.50	147.6	SEST-3	3.641	73.26	147.4
	INADECUADO	24.635	492.43	1113.2	TERRAPLEN	19.357	353.87	586.0
60.000	SUELO SEL	3.946	75.61	223.2	SEST-3	3.795	72.82	220.2
	INADECUADO	27.677	521.70	1634.9	TERRAPLEN	23.179	435.23	1021.2
80.000	SUELO SEL	3.955	79.06	302.3	SEST-3	3.804	76.05	296.3
	INADECUADO	33.641	620.80	2255.7	TERRAPLEN	39.845	599.82	1621.0
100.000	SUELO SEL	3.687	75.91	378.2	SEST-3	3.543	72.95	369.2
	INADECUADO	36.723	695.97	2951.6	TERRAPLEN	58.988	977.29	2598.3
120.000	SUELO SEL	3.627	72.09	450.3	SEST-3	3.477	69.19	438.4
	INADECUADO	50.609	925.51	3877.1	TERRAPLEN	138.112	2114.02	4712.3
140.000	SUELO SEL	3.723	73.69	524.0	SEST-3	3.511	70.01	508.4
	INADECUADO	47.338	986.37	4863.5	TERRAPLEN	111.066	2439.98	7152.3
220.000	SUELO SEL	3.719	0.00	524.0	SEST-3	3.511	0.00	508.4
	INADECUADO	44.914	0.00	4863.5	TERRAPLEN	136.356	0.00	7152.3
240.000	SUELO SEL	3.754	74.71	598.7	SEST-3	3.511	70.21	578.6
	INADECUADO	51.498	1038.90	5902.4	TERRAPLEN	151.846	3174.09	10326.4
260.000	SUELO SEL	3.770	75.35	674.0	SEST-3	3.511	70.21	648.8
	INADECUADO	50.737	1031.46	6933.9	TERRAPLEN	132.607	2893.97	13220.4
280.000	SUELO SEL	3.778	75.45	749.5	SEST-3	3.510	70.21	719.0
	INADECUADO	33.680	913.08	7846.9	TERRAPLEN	40.566	1817.19	15037.6
300.000	D TIERRA	4.580	45.80	68.1	SUELO SEL	3.568	73.46	823.0
	SEST-3	3.457	69.68	788.7	INADECUADO	0.000	336.80	8183.8
	TERRAPLEN	0.000	405.66	15443.2				
320.000	D TIERRA	9.567	145.35	213.4	SUELO SEL	3.511	69.25	892.2
	SEST-3	3.499	68.43	857.2				
340.000	D TIERRA	10.236	200.11	413.5	SUELO SEL	3.380	68.87	961.1
	SEST-3	3.380	68.82	926.0				
360.000	D TIERRA	12.228	223.69	637.2	SUELO SEL	3.253	66.51	1027.6
	SEST-3	3.253	66.51	992.5				
380.000	D TIERRA	10.753	241.90	879.1	SUELO SEL	3.006	62.95	1090.5
	SEST-3	3.006	62.96	1055.4				



PROYECTO :
 GRUPO : 2 : ENLACE CV35
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 8 : RAMAL CV-35 (A) - C.L.I. (CPOL8_a1.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
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400.000	D TIERRA	1.524	137.66	1016.8	SUELO SEL	3.110	62.60	1153.1
	SEST-3	2.966	60.54	1116.0	TERRAPLEN	18.188	91.07	15534.3



Istram 22.08.08.11 05/12/22 18:23:24 200207

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PROYECTO :
 GRUPO : 2 : ENLACE CV35
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 8 : RAMAL CV-35 (A) - C.L.I. (CPOL8_a1.vol)

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* * * RESUMEN DE VOLUMENES TOTALES * * *

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MATERIAL	VOLUMEN
-----	-----
D TIERRA	1016.8
SUELO SEL	1153.1
SEST-3	1116.0
INADECUADO	8183.8
TERRAPLEN	15534.3

Istram 22.08.08.11 05/12/22 18:23:27 200207
 PROYECTO :
 GRUPO : 2 : ENLACE CV35
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 9 : RAMAL C.L.I. - CV35 (A) (CPOL9_a1.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	D TIERRA	33.321	0.00	0.0	SUELO SEL	2.997	0.00	0.0
	SEST-3	2.997	0.00	0.0	VEGETAL	4.482	0.00	0.0
20.000	D TIERRA	7.708	227.62	227.6	SUELO SEL	1.586	34.53	34.5
	SEST-3	1.586	34.53	34.5	VEGETAL	1.588	38.27	38.3
40.000	D TIERRA	6.650	138.91	366.5	SUELO SEL	1.736	32.75	67.3
	SEST-3	1.736	32.75	67.3	VEGETAL	1.737	32.78	71.1
60.000	D TIERRA	5.689	117.51	484.0	SUELO SEL	2.157	39.00	106.3
	SEST-3	2.157	39.00	106.3	VEGETAL	2.158	39.03	110.1
80.000	D TIERRA	8.039	137.28	621.3	SUELO SEL	2.415	45.72	152.0
	SEST-3	2.415	45.72	152.0	VEGETAL	0.000	21.58	131.7
100.000	D TIERRA	8.433	162.66	784.0	SUELO SEL	2.559	49.77	201.8
	SEST-3	2.559	49.77	201.8				
120.000	D TIERRA	8.583	169.23	953.2	SUELO SEL	2.520	50.86	252.6
	SEST-3	2.520	50.86	252.6				
140.000	D TIERRA	8.433	169.77	1123.0	SUELO SEL	2.770	52.13	304.8
	SEST-3	2.694	51.97	304.6	TERRAPLEN	0.015	0.08	0.1
154.220	D TIERRA	8.414	120.55	1243.5	SUELO SEL	2.533	37.40	342.2
	SEST-3	2.532	36.98	341.6	TERRAPLEN	0.000	0.08	0.2



Istram 22.08.08.11 05/12/22 18:23:27 200207
 PROYECTO :
 GRUPO : 2 : ENLACE CV35
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 9 : RAMAL C.L.I. - CV35 (A) (CPOL9_a1.vol)

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* * * RESUMEN DE VOLUMENES TOTALES * * *

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MATERIAL	VOLUMEN
D TIERRA	1243.5
SUELO SEL	342.2
SEST-3	341.6
TERRAPLEN	0.2
VEGETAL	131.7

PROYECTO :
 GRUPO : 0 : CALZADAS PRINCIPALES
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 10 : VÍA LATERAL IZQUIERDA. TRAMO FINAL (CPOL10_a1.vol)

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 * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
 =====

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	D TIERRA	45.182	0.00	0.0	SUELO SEL	3.747	0.00	0.0
	SEST-3	3.747	0.00	0.0				
20.000	D TIERRA	9.660	548.42	548.4	SUELO SEL	2.309	60.56	60.6
	SEST-3	2.309	60.56	60.6				
40.000	D TIERRA	10.650	199.86	748.3	SUELO SEL	2.692	49.21	109.8
	SEST-3	2.692	49.21	109.8				
60.000	D TIERRA	12.772	234.23	982.5	SUELO SEL	3.655	63.47	173.2
	SEST-3	3.655	63.47	173.2				
80.000	D TIERRA	14.881	276.53	1259.0	SUELO SEL	3.867	75.22	248.5
	SEST-3	3.867	75.22	248.5				
100.000	D TIERRA	12.842	277.22	1536.3	SUELO SEL	3.897	77.64	326.1
	SEST-3	3.897	77.64	326.1				
120.000	D TIERRA	7.597	204.38	1740.6	SUELO SEL	3.878	77.75	403.8
	SEST-3	3.856	77.53	403.6				
140.000	D TIERRA	10.417	180.14	1920.8	SUELO SEL	3.709	75.86	479.7
	SEST-3	3.709	75.65	479.3				
160.000	D TIERRA	13.110	235.27	2156.0	SUELO SEL	3.897	76.06	555.8
	SEST-3	3.897	76.06	555.3				
180.000	D TIERRA	12.900	257.26	2413.3	SUELO SEL	3.897	77.94	633.7
	SEST-3	3.897	77.94	633.3				
200.000	D TIERRA	12.680	255.80	2669.1	SUELO SEL	3.897	77.94	711.6
	SEST-3	3.897	77.94	711.2				
220.000	D TIERRA	11.074	232.27	2901.4	SUELO SEL	3.659	74.98	786.6
	SEST-3	3.659	74.98	786.2				
240.000	D TIERRA	11.036	221.51	3122.9	SUELO SEL	3.912	75.57	862.2
	SEST-3	3.868	75.21	861.4	TERRAPLEN	0.006	0.05	0.0
260.000	D TIERRA	12.063	230.99	3353.9	SUELO SEL	3.722	76.34	938.5
	SEST-3	3.722	75.90	937.3	TERRAPLEN	0.000	0.06	0.1
280.000	D TIERRA	12.957	247.15	3601.0	SUELO SEL	3.897	77.61	1016.1
	SEST-3	3.897	77.31	1014.6				
300.000	D TIERRA	10.461	239.51	3840.5	SUELO SEL	3.948	75.32	1091.5
	SEST-3	3.871	75.10	1089.7	TERRAPLEN	6.706	19.39	19.5
320.000	D TIERRA	11.025	214.85	4055.4	SUELO SEL	3.484	74.32	1165.8
	SEST-3	3.484	73.56	1163.3	TERRAPLEN	0.000	67.06	86.6
340.000	D TIERRA	12.911	250.32	4305.7	SUELO SEL	3.606	74.35	1240.1
	SEST-3	3.606	74.35	1237.6				
360.000	D TIERRA	13.715	266.26	4572.0	SUELO SEL	3.836	74.42	1314.6
	SEST-3	3.835	74.41	1312.0				



PROYECTO :
 GRUPO : 0 : CALZADAS PRINCIPALES
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 10 : VÍA LATERAL IZQUIERDA. TRAMO FINAL (CPOL10_a1.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
380.000	D TIERRA	13.159	269.04	4841.0	SUELO SEL	3.795	76.10	1390.7
	SEST-3	3.795	76.10	1388.1				
400.000	D TIERRA	9.825	229.84	5070.8	SUELO SEL	3.811	76.06	1466.7
	SEST-3	3.811	76.06	1464.2				



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PROYECTO :
GRUPO : 0 : CALZADAS PRINCIPALES
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 10 : VÍA LATERAL IZQUIERDA. TRAMO FINAL (CPOL10_a1.vol)

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* * * RESUMEN DE VOLUMENES TOTALES * * *

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MATERIAL	VOLUMEN
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D TIERRA	5070.8
SUELO SEL	1466.7
SEST-3	1464.2
TERRAPLEN	86.6

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	D TIERRA	9.496	0.00	0.0	SUELO SEL	2.618	0.00	0.0
	SEST-3	2.873	0.00	0.0	TERRAPLEN	4.293	0.00	0.0
20.000	D TIERRA	8.412	179.08	179.1	SUELO SEL	2.618	52.36	52.4
	SEST-3	2.873	57.45	57.5	TERRAPLEN	3.903	81.96	82.0
40.000	D TIERRA	6.562	149.59	328.7	SUELO SEL	2.606	52.30	104.7
	SEST-3	2.861	57.39	114.8	TERRAPLEN	6.125	93.59	175.6
60.000	D TIERRA	3.461	101.39	430.1	SUELO SEL	2.582	51.88	156.5
	SEST-3	2.837	56.97	171.8	TERRAPLEN	15.539	213.26	388.8
80.000	D TIERRA	0.609	38.62	468.7	SUELO SEL	2.558	51.40	207.9
	SEST-3	2.813	56.49	228.3	TERRAPLEN	28.092	430.08	818.9
100.000	D TIERRA	0.000	3.04	471.7	SUELO SEL	0.000	12.79	220.7
	SEST-3	0.000	14.06	242.4	TERRAPLEN	0.000	140.46	959.4
140.000	SUELO SEL	2.554	49.81	270.5	SEST-3	2.811	54.82	297.2
	TERRAPLEN	119.401	2014.44	2973.8				
160.000	SUELO SEL	0.000	25.54	296.1	SEST-3	0.000	28.11	325.3
	TERRAPLEN	0.000	1249.45	4223.2				
280.000	SUELO SEL	2.554	25.54	321.6	SEST-3	2.811	28.11	353.4
	TERRAPLEN	123.625	1287.11	5510.4				
300.000	SUELO SEL	2.578	51.33	372.9	SEST-3	2.835	56.47	409.9
	TERRAPLEN	105.267	2286.98	7797.3				
320.000	SUELO SEL	2.602	51.81	424.7	SEST-3	2.859	56.95	466.8
	TERRAPLEN	68.706	1726.11	9523.5				
340.000	D TIERRA	0.486	2.60	474.3	SUELO SEL	3.665	52.76	477.5
	SEST-3	3.922	57.90	524.7	TERRAPLEN	58.974	1175.13	10698.6
360.000	D TIERRA	1.176	16.62	490.9	SUELO SEL	2.968	66.33	543.8
	SEST-3	3.223	71.44	596.2	TERRAPLEN	26.553	855.27	11553.9
380.000	D TIERRA	4.603	61.62	552.6	SUELO SEL	2.618	54.11	597.9
	SEST-3	2.873	59.20	655.4	TERRAPLEN	12.389	375.01	11928.9
400.000	D TIERRA	6.188	107.91	660.5	SUELO SEL	2.618	52.36	650.3
	SEST-3	2.873	57.45	712.8	TERRAPLEN	4.575	169.64	12098.5
420.000	D TIERRA	8.283	144.34	804.8	SUELO SEL	2.618	52.36	702.7
	SEST-3	2.873	57.45	770.3	TERRAPLEN	1.210	56.40	12154.9
440.000	D TIERRA	9.249	175.32	980.1	SUELO SEL	2.618	52.36	755.0
	SEST-3	2.873	57.45	827.7	TERRAPLEN	0.393	16.03	12170.9
460.000	D TIERRA	9.447	186.96	1167.1	SUELO SEL	2.618	52.36	807.4
	SEST-3	2.873	57.45	885.2	TERRAPLEN	0.197	5.90	12176.8
480.000	D TIERRA	8.927	183.74	1350.8	SUELO SEL	2.618	52.36	859.7
	SEST-3	2.873	57.45	942.6	TERRAPLEN	0.187	3.83	12180.7

EJE : 11 : REPOSICIÓN C. PATERNA - PLA DEL POU (CPOL11_a1.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
500.000	D TIERRA	10.628	195.55	1546.4	SUELO SEL	2.618	52.36	912.1
	SEST-3	2.873	57.45	1000.1	TERRAPLEN	0.213	4.00	12184.7
520.000	D TIERRA	10.712	213.40	1759.8	SUELO SEL	2.618	52.36	964.4
	SEST-3	2.873	57.45	1057.5	TERRAPLEN	0.189	4.02	12188.7
540.000	D TIERRA	10.769	212.82	1972.6	SUELO SEL	2.618	52.36	1016.8
	SEST-3	2.873	57.45	1115.0	TERRAPLEN	0.207	3.95	12192.6
560.000	D TIERRA	10.892	216.61	2189.2	SUELO SEL	2.618	52.36	1069.2
	SEST-3	2.873	57.45	1172.5	TERRAPLEN	0.038	2.45	12195.1
562.266	D TIERRA	11.002	24.81	2214.0	SUELO SEL	2.618	5.93	1075.1
	SEST-3	2.873	6.51	1179.0	TERRAPLEN	0.009	0.05	12195.1

Istram 23.01.01.13 29/05/23 11:06:01 200207
PROYECTO :
GRUPO : 3 : CAMINOS
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 11 : REPOSICIÓN C. PATERNA - PLA DEL POU (CPOL11_a1.vol)

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* * * RESUMEN DE VOLUMENES TOTALES * * *
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MATERIAL	VOLUMEN
D TIERRA	2214.0
SUELO SEL	1075.1
SEST-3	1179.0
TERRAPLEN	12195.1

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	D TIERRA	8.010	0.00	0.0	SEST-3	6.198	0.00	0.0
	TERRAPLEN	0.444	0.00	0.0				
20.000	D TIERRA	6.956	149.66	149.7	SEST-3	6.498	126.97	127.0
	TERRAPLEN	1.755	21.99	22.0				
40.000	D TIERRA	5.984	129.40	279.1	SEST-3	7.038	135.36	262.3
	TERRAPLEN	4.997	67.52	89.5				
60.000	D TIERRA	3.636	96.20	375.3	SEST-3	7.308	143.46	405.8
	TERRAPLEN	9.344	143.41	232.9				
80.000	D TIERRA	0.108	37.44	412.7	SEST-3	7.308	146.16	552.0
	TERRAPLEN	12.810	221.54	454.5				
200.000	D TIERRA	3.873	19.36	432.1	SEST-3	7.308	36.54	588.5
	TERRAPLEN	13.180	65.90	520.4				
220.000	D TIERRA	6.591	104.64	536.7	SEST-3	7.308	146.16	734.7
	TERRAPLEN	9.259	224.40	744.8				
240.000	D TIERRA	8.299	148.90	685.6	SEST-3	7.245	145.53	880.2
	TERRAPLEN	10.680	199.39	944.2				
260.000	D TIERRA	7.717	160.17	845.8	SEST-3	6.705	139.50	1019.7
	TERRAPLEN	1.707	123.86	1068.0				
280.000	D TIERRA	8.362	160.80	1006.6	SEST-3	6.153	128.58	1148.3
	TERRAPLEN	0.283	19.90	1087.9				
287.656	D TIERRA	7.839	62.02	1068.6	SEST-3	5.910	46.18	1194.4
	TERRAPLEN	0.050	1.27	1089.2				

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* * * RESUMEN DE VOLUMENES TOTALES* * *

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MATERIAL	VOLUMEN
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D TIERRA	1068.6
SEST-3	1194.4
TERRAPLEN	1089.2

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	D TIERRA	2.826	0.00	0.0	SEST-3	7.374	0.00	0.0
	TERRAPLEN	1.747	0.00	0.0				
20.000	D TIERRA	11.596	153.43	153.4	SEST-3	7.834	148.70	148.7
	TERRAPLEN	0.000	9.41	9.4				
40.000	D TIERRA	25.091	355.81	509.2	SEST-3	7.789	156.22	304.9
160.000	D TIERRA	31.276	0.00	509.2	SEST-3	7.789	0.00	304.9
180.000	D TIERRA	23.748	550.24	1059.5	SEST-3	7.833	156.22	461.1
200.000	D TIERRA	14.535	382.83	1442.3	SEST-3	7.546	153.80	614.9
206.646	D TIERRA	11.426	86.27	1528.6	SEST-3	7.598	50.32	665.3

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* * * RESUMEN DE VOLUMENES TOTALES * * *

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MATERIAL	VOLUMEN
D TIERRA	1528.6
SEST-3	665.3
TERRAPLEN	9.4

PROYECTO :
GRUPO : 3 : CAMINOS
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 14 : REPOSICIÓN Cº LA CANYADA BOCA SALIDA (ISPOL14.vol1)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	D TIERRA	4.971	0.00	0.0	SUELO SEL	1.088	0.00	0.0
	SEST-3	1.367	0.00	0.0	TERRAPLEN	0.930	0.00	0.0
20.000	D TIERRA	1.665	75.16	75.2	SUELO SEL	1.107	21.99	22.0
	SEST-3	1.369	27.36	27.4	TERRAPLEN	3.002	33.34	33.3
34.968	D TIERRA	1.195	20.20	95.4	SUELO SEL	1.112	16.61	38.6
	SEST-3	1.371	20.51	47.9	TERRAPLEN	3.556	53.56	86.9



PROYECTO :
GRUPO : 3 : CAMINOS
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 14 : REPOSICIÓN Cº LA CANYADA BOCA SALIDA (ISPOL14.vol1)

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* * * RESUMEN DE VOLUMENES TOTALES * * *

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MATERIAL	VOLUMEN
D TIERRA	95.4
SUELO SEL	38.6
SEST-3	47.9
TERRAPLEN	86.9

PROYECTO :
 GRUPO : 3 : CAMINOS
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 15 : REPOSICIÓN Cº LA CANYADA BOCA ENTRADA (ISPOL15.vol)

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 * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	D TIERRA	2.045	0.00	0.0	SUELO SEL	1.100	0.00	0.0
	SEST-3	1.367	0.00	0.0	TERRAPLEN	1.768	0.00	0.0
20.000	D TIERRA	1.967	40.10	40.1	SUELO SEL	1.000	21.00	21.0
	SEST-3	1.267	26.34	26.3	TERRAPLEN	1.795	36.68	36.7
40.000	D TIERRA	4.271	70.49	110.6	SUELO SEL	0.950	19.25	40.3
	SEST-3	1.217	24.59	50.9	TERRAPLEN	0.500	15.96	52.6
48.590	D TIERRA	4.709	38.48	149.1	SUELO SEL	0.950	8.16	48.4
	SEST-3	1.217	10.45	61.4	TERRAPLEN	0.157	3.64	56.3



PROYECTO :
 GRUPO : 3 : CAMINOS
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 15 : REPOSICIÓN Cº LA CANYADA BOCA ENTRADA (ISPOL15.vol)

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 * * * RESUMEN DE VOLUMENES TOTALES * * *
 =====

MATERIAL	VOLUMEN
D TIERRA	149.1
SUELO SEL	48.4
SEST-3	61.4
TERRAPLEN	56.3

Istram 22.08.08.11 05/12/22 18:23:48 200207
PROYECTO :
GRUPO : 3 : CAMINOS
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 16 : REPOSICION PASO INFERIOR (ISPOL16.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	D TIERRA	2.471	0.00	0.0	SEST-3	1.497	0.00	0.0
20.000	D TIERRA	4.026	65.97	66.0	SEST-3	1.497	29.94	29.9
40.000	D TIERRA	4.188	81.62	147.6	SEST-3	1.497	29.94	59.9



Istram 22.08.08.11 05/12/22 18:23:49 200207
PROYECTO :
GRUPO : 3 : CAMINOS
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 16 : REPOSICION PASO INFERIOR (ISPOL16.vol)

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* * * RESUMEN DE VOLUMENES TOTALES * * *

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MATERIAL	VOLUMEN
D TIERRA	147.6
SEST-3	59.9

Istram 22.08.08.11 05/12/22 18:23:51 200207
 PROYECTO :
 GRUPO : 2 : ENLACE CV35
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 17 : RAMAL CV-35 (V) - C.L.D. (CPOL17_a1.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	D TIERRA	0.369	0.00	0.0	SUELO SEL	3.642	0.00	0.0
	SEST-3	3.537	0.00	0.0	INADECUADO	28.371	0.00	0.0
	TERRAPLEN	11.749	0.00	0.0				
20.000	D TIERRA	0.000	7.25	7.2	SUELO SEL	3.730	72.85	72.9
	SEST-3	3.640	71.29	71.3	INADECUADO	24.895	515.36	515.4
	TERRAPLEN	14.552	261.02	261.0				
40.000	SUELO SEL	3.476	72.11	145.0	SEST-3	3.325	69.82	141.1
	INADECUADO	29.077	508.44	1023.8	TERRAPLEN	23.420	328.79	589.8
60.000	SUELO SEL	3.869	74.07	219.0	SEST-3	3.719	71.06	212.2
	INADECUADO	41.717	711.96	1735.8	TERRAPLEN	56.942	754.40	1344.2
80.000	SUELO SEL	3.930	78.50	297.5	SEST-3	3.643	74.09	286.3
	INADECUADO	51.449	938.50	2674.3	TERRAPLEN	131.574	1888.98	3233.2
100.000	SUELO SEL	3.778	77.12	374.7	SEST-3	3.491	71.38	357.6
	INADECUADO	62.936	1128.08	3802.3	TERRAPLEN	210.028	3349.68	6582.9
120.000	SUELO SEL	3.770	75.45	450.1	SEST-3	3.483	69.71	427.3
	INADECUADO	55.280	1170.79	4973.1	TERRAPLEN	178.812	4132.01	10714.9
140.000	SUELO SEL	0.000	47.13	497.2	SEST-3	0.000	43.53	470.9
	INADECUADO	0.000	666.07	5639.2	TERRAPLEN	0.000	2278.68	12993.6
200.000	SUELO SEL	3.609	27.87	525.1	SEST-3	3.455	26.05	496.9
	INADECUADO	40.047	311.86	5951.1	TERRAPLEN	99.973	916.09	13909.6
220.000	SUELO SEL	3.419	70.44	595.5	SEST-3	3.275	67.56	564.5
	INADECUADO	38.355	790.60	6741.7	TERRAPLEN	72.529	1732.45	15642.1
240.000	SUELO SEL	3.009	63.97	659.5	SEST-3	2.866	61.10	625.6
	INADECUADO	30.514	698.57	7440.2	TERRAPLEN	24.049	1020.52	16662.6
260.000	SUELO SEL	2.517	51.26	710.8	SEST-3	2.518	51.14	676.7
	INADECUADO	17.059	349.32	7789.5	TERRAPLEN	6.838	168.77	16831.4
269.391	SUELO SEL	3.185	23.98	734.8	SEST-3	3.185	23.98	700.7
	INADECUADO	21.908	164.66	7954.2	TERRAPLEN	9.639	64.98	16896.4



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 PROYECTO :
 GRUPO : 2 : ENLACE CV35
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 17 : RAMAL CV-35 (V) - C.L.D. (CPOL17_a1.vol)

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* * * RESUMEN DE VOLUMENES TOTALES * * *

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MATERIAL VOLUMEN

D TIERRA	7.2
SUELO SEL	734.8
SEST-3	700.7
INADECUADO	7954.2
TERRAPLEN	16896.4

Istram 22.08.08.11 05/12/22 18:23:55 200207
 PROYECTO :
 GRUPO : 1 : CALZADAS LATERALES
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 18 : CALZADA LATERAL DERECHA (CPOL18_a1.vol)

pagina 1

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	D TIERRA	7.552	0.00	0.0	SUELO SEL	3.626	0.00	0.0
	SEST-3	3.585	0.00	0.0				
20.000	D TIERRA	0.245	77.98	78.0	SUELO SEL	4.004	76.29	76.3
	SEST-3	3.826	74.11	74.1	TERRAPLEN	7.383	73.83	73.8
40.000	D TIERRA	0.000	2.45	80.4	SUELO SEL	4.195	81.99	158.3
	SEST-3	3.908	77.34	151.5	TERRAPLEN	16.130	235.13	309.0
60.000	SUELO SEL	4.195	83.91	242.2	SEST-3	3.908	78.16	229.6
	TERRAPLEN	20.618	375.74	684.7				
80.000	SUELO SEL	4.195	83.90	326.1	SEST-3	3.908	78.16	307.8
	TERRAPLEN	9.207	298.25	982.9				
100.000	D TIERRA	0.048	0.11	80.5	SUELO SEL	4.174	83.85	409.9
	SEST-3	3.908	78.16	385.9	TERRAPLEN	4.112	123.31	1106.3
120.000	D TIERRA	3.732	37.80	118.3	SUELO SEL	3.833	80.07	490.0
	SEST-3	3.690	75.98	461.9	TERRAPLEN	1.133	52.45	1158.7
140.000	D TIERRA	8.182	119.15	237.5	SUELO SEL	3.866	77.00	567.0
	SEST-3	3.745	74.34	536.3	TERRAPLEN	0.000	11.33	1170.0
160.000	D TIERRA	9.742	178.64	416.1	SUELO SEL	3.769	76.26	643.3
	SEST-3	3.733	74.64	610.9				
180.000	D TIERRA	10.585	203.27	619.4	SUELO SEL	3.929	76.98	720.3
	SEST-3	3.804	75.38	686.3	TERRAPLEN	0.821	8.21	1178.3
200.000	D TIERRA	11.138	217.24	836.6	SUELO SEL	3.639	75.68	795.9
	SEST-3	3.639	74.43	760.7	TERRAPLEN	0.000	8.21	1186.5
220.000	D TIERRA	10.851	219.89	1056.5	SUELO SEL	3.485	71.24	867.2
	SEST-3	3.485	71.24	831.9				
240.000	D TIERRA	10.410	212.61	1269.1	SUELO SEL	3.759	72.44	939.6
	SEST-3	3.687	71.72	903.7	TERRAPLEN	1.365	13.65	1200.1
260.000	D TIERRA	11.562	219.72	1488.9	SUELO SEL	3.537	72.96	1012.6
	SEST-3	3.537	72.24	975.9	TERRAPLEN	0.000	13.65	1213.8
280.000	D TIERRA	11.002	224.87	1713.7	SUELO SEL	3.165	67.06	1079.6
	SEST-3	3.165	67.06	1043.0				
300.000	D TIERRA	7.834	189.69	1903.4	SUELO SEL	2.292	54.74	1134.4
	SEST-3	2.292	54.74	1097.7				
320.000	D TIERRA	6.165	139.99	2043.4	SUELO SEL	2.069	43.62	1178.0
	SEST-3	2.069	43.62	1141.3				
340.000	D TIERRA	16.222	304.03	2347.4	SUELO SEL	4.587	85.99	1264.0
	SEST-3	4.587	85.99	1227.3				
360.000	D TIERRA	12.136	283.58	2631.0	SUELO SEL	4.587	91.74	1355.7
	SEST-3	4.587	91.74	1319.1				



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 PROYECTO :
 GRUPO : 1 : CALZADAS LATERALES
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

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EJE : 18 : CALZADA LATERAL DERECHA (CPOL18_a1.vol)

 * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
380.000	D TIERRA	16.674	294.75	2925.8	SUELO SEL	4.587	91.74	1447.5
	SEST-3	4.587	91.74	1410.8				
400.000	D TIERRA	16.652	337.94	3263.7	SUELO SEL	4.503	91.35	1538.8
	SEST-3	4.503	91.35	1502.1				
420.000	D TIERRA	12.713	293.65	3557.4	SUELO SEL	4.190	86.92	1625.7
	SEST-3	4.190	86.92	1589.1				
440.000	D TIERRA	10.960	236.73	3794.1	SUELO SEL	3.808	79.97	1705.7
	SEST-3	3.808	79.97	1669.0	VEGETAL	6.564	65.64	65.6
460.000	D TIERRA	13.728	229.99	4024.1	SUELO SEL	3.505	72.75	1778.5
	SEST-3	3.505	72.75	1741.8	TERRAPLEN	0.001	0.02	1213.8
	VEGETAL	4.745	107.42	173.1				
480.000	D TIERRA	113.881	1276.09	5300.2	SUELO SEL	3.448	69.53	1848.0
	SEST-3	3.448	69.53	1811.3	VEGETAL	7.812	125.57	298.6
480.000	D TIERRA	121.693	0.00	5300.2	SUELO SEL	3.448	0.00	1848.0
	SEST-3	3.448	0.00	1811.3				
500.000	D TIERRA	25.659	1473.52	6773.7	SUELO SEL	3.253	67.01	1915.0
	SEST-3	3.253	67.01	1878.3				
500.000	D TIERRA	23.489	0.00	6773.7	SUELO SEL	3.253	0.00	1915.0
	SEST-3	3.253	0.00	1878.3	VEGETAL	2.170	0.00	298.6
520.000	D TIERRA	19.538	430.27	7204.0	SUELO SEL	3.127	63.81	1978.8
	SEST-3	3.127	63.81	1942.1	VEGETAL	2.086	42.56	341.2
540.000	D TIERRA	17.716	372.54	7576.5	SUELO SEL	2.976	61.04	2039.8
	SEST-3	2.976	61.04	2003.2	VEGETAL	1.985	40.71	381.9
560.000	D TIERRA	20.951	386.67	7963.2	SUELO SEL	2.816	57.92	2097.8
	SEST-3	2.816	57.92	2061.1	VEGETAL	1.882	38.68	420.6
580.000	D TIERRA	23.444	443.95	8407.1	SUELO SEL	2.586	54.02	2151.8
	SEST-3	2.586	54.02	2115.1	VEGETAL	1.855	37.38	457.9
600.000	D TIERRA	24.004	474.47	8881.6	SUELO SEL	2.399	49.86	2201.6
	SEST-3	2.399	49.86	2165.0	VEGETAL	1.759	36.14	494.1
620.000	D TIERRA	26.947	509.51	9391.1	SUELO SEL	2.276	46.75	2248.4
	SEST-3	2.276	46.75	2211.7	VEGETAL	1.808	35.66	529.7
640.000	D TIERRA	36.354	633.17	10024.3	SUELO SEL	2.221	44.93	2293.3
	SEST-3	2.221	44.93	2256.7	VEGETAL	1.861	36.63	566.4
660.000	D TIERRA	109.146	1314.89	11339.2	SUELO SEL	4.587	63.90	2357.2
	SEST-3	4.587	63.90	2320.6	VEGETAL	3.597	51.63	618.0
680.000	D TIERRA	135.896	2450.43	13789.6	SUELO SEL	4.587	91.74	2449.0
	SEST-3	4.587	91.74	2412.3	VEGETAL	3.624	72.21	690.2



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 PROYECTO :
 GRUPO : 1 : CALZADAS LATERALES
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 18 : CALZADA LATERAL DERECHA (CPOL18_a1.vol)

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 * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
700.000	D TIERRA	0.731	1895.09	15684.7	SUELO SEL	0.000	61.59	2510.6
	SEST-3	0.000	61.59	2473.9	VEGETAL	0.197	49.73	739.9
720.000	D TIERRA	4.708	45.75	15730.4	VEGETAL	0.487	6.32	746.3
740.000	D TIERRA	13.885	185.94	15916.4	SUELO SEL	0.009	0.09	2510.6
	SEST-3	0.009	0.09	2474.0	VEGETAL	0.805	12.91	759.2
760.000	D TIERRA	26.448	400.60	16317.0	SUELO SEL	0.131	1.51	2512.2
	SEST-3	0.130	1.51	2475.5	VEGETAL	1.132	19.41	778.6
780.000	D TIERRA	36.005	624.53	16941.5	SUELO SEL	0.179	3.09	2515.2
	SEST-3	0.179	3.09	2478.6	VEGETAL	1.316	24.48	803.1
800.000	D TIERRA	52.394	883.94	17825.4	SUELO SEL	0.219	3.90	2519.1
	SEST-3	0.219	3.90	2482.5	VEGETAL	1.632	29.62	832.7
820.000	D TIERRA	61.062	1134.55	18960.0	SUELO SEL	0.310	5.29	2524.4
	SEST-3	0.310	5.29	2487.8	VEGETAL	1.941	35.73	868.4
840.000	D TIERRA	60.476	1215.37	20175.4	SUELO SEL	0.403	7.13	2531.6
	SEST-3	0.403	7.13	2494.9	VEGETAL	2.188	41.30	909.7
840.000	D TIERRA	55.574	0.00	20175.4	SUELO SEL	0.403	0.00	2531.6
	SEST-3	0.403	0.00	2494.9	VEGETAL	1.589	0.00	909.7
860.000	D TIERRA	43.369	974.79	21150.2	SUELO SEL	0.215	6.07	2537.6
	SEST-3	0.215	6.07	2501.0	VEGETAL	1.464	30.47	940.2
880.000	D TIERRA	40.932	843.01	21993.2	SUELO SEL	0.223	4.37	2542.0
	SEST-3	0.223	4.37	2505.4	VEGETAL	1.470	29.33	969.5
880.000	D TIERRA	43.239	0.00	21993.2	SUELO SEL	0.223	0.00	2542.0
	SEST-3	0.223	0.00	2505.4	VEGETAL	1.919	0.00	969.5
900.000	D TIERRA	34.163	774.02	22767.2	SUELO SEL	0.381	6.03	2548.0
	SEST-3	0.381	6.03	2511.4	VEGETAL	1.738	36.57	1006.1
920.000	D TIERRA	28.682	628.45	23395.6	SUELO SEL	0.486	8.67	2556.7
	SEST-3	0.486	8.67	2520.1	VEGETAL	1.624	33.62	1039.7
940.000	D TIERRA	24.141	528.23	23923.9	SUELO SEL	0.594	10.80	2567.5
	SEST-3	0.594	10.80	2530.8	VEGETAL	1.525	31.49	1071.2
960.000	D TIERRA	17.153	441.53	24365.4	SUELO SEL	0.629	12.50	2580.0
	SEST-3	0.629	12.50	2543.3	VEGETAL	1.341	29.56	1100.8
980.000	D TIERRA	13.195	300.92	24666.3	SUELO SEL	0.657	12.70	2592.7
	SEST-3	0.657	12.70	2556.0	VEGETAL	1.236	25.57	1126.3
1000.000	D TIERRA	7.500	206.94	24873.3	SUELO SEL	0.815	14.73	2607.4
	SEST-3	0.815	14.73	2570.8	VEGETAL	1.082	23.18	1149.5
1020.000	D TIERRA	5.764	127.01	25000.3	SUELO SEL	0.988	18.12	2625.6
	SEST-3	0.988	18.12	2588.9	VEGETAL	1.079	21.53	1171.0



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PROYECTO :

GRUPO : 1 : CALZADAS LATERALES

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 18 : CALZADA LATERAL DERECHA (CPOL18_a1.vol)

 * * * MEDICIONES DE LOS PERFILES TRANSVERSALES * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1040.000	D TIERRA	2.749	88.24	25088.5	SUELO SEL	1.030	20.14	2645.7

	SEST-3	1.030	20.14	2609.0	VEGETAL	0.792	19.27	1190.3
1060.000	D TIERRA	1.974	47.23	25135.7	SUELO SEL	1.004	20.34	2666.0
	SEST-3	1.004	20.34	2629.4	VEGETAL	0.670	14.63	1204.9
1080.000	D TIERRA	1.625	35.54	25171.3	SUELO SEL	1.097	21.20	2687.2
	SEST-3	1.097	21.20	2650.6	VEGETAL	0.733	14.15	1219.1
1100.000	D TIERRA	0.763	71.09	25242.4	SUELO SEL	6.123	120.43	2807.7
	SEST-3	5.859	116.35	2766.9	TERRAPLEN	2.323	34.01	1247.8
	VEGETAL	4.174	82.84	1301.9				
1120.000	D TIERRA	0.000	7.63	25250.0	SUELO SEL	6.125	122.49	2930.2
	SEST-3	5.850	117.09	2884.0	TERRAPLEN	5.054	73.78	1321.6
	VEGETAL	4.144	83.19	1385.1				
1140.000	SUELO SEL	6.090	122.15	3052.3	SEST-3	5.825	116.75	3000.8
	TERRAPLEN	7.180	122.35	1444.0	VEGETAL	4.100	82.44	1467.5
1160.000	D TIERRA	0.020	0.10	25250.1	SUELO SEL	6.043	121.41	3173.7
	SEST-3	5.818	116.43	3117.2	TERRAPLEN	3.385	107.04	1551.0
	VEGETAL	4.046	81.52	1549.1				
1180.000	D TIERRA	0.161	1.81	25251.9	SUELO SEL	6.000	120.43	3294.1
	SEST-3	5.809	116.27	3233.5	TERRAPLEN	3.599	69.84	1620.8
	VEGETAL	4.029	80.75	1629.8				
1200.000	D TIERRA	0.000	1.61	25253.5	SUELO SEL	6.075	120.75	3414.9
	SEST-3	5.803	116.12	3349.6	TERRAPLEN	5.394	89.93	1710.8
	VEGETAL	4.118	81.48	1711.3				
1220.000	SUELO SEL	6.088	121.63	3536.5	SEST-3	5.802	116.05	3465.6
	TERRAPLEN	5.058	106.83	1817.6	VEGETAL	4.149	82.64	1793.9
1220.000	D TIERRA	0.877	0.00	25253.5	SUELO SEL	6.088	0.00	3536.5
	SEST-3	5.802	0.00	3465.6	TERRAPLEN	1.786	0.00	1817.6
1240.000	D TIERRA	3.253	35.98	25289.5	SUELO SEL	6.058	121.56	3658.1
	SEST-3	5.807	116.08	3581.7	TERRAPLEN	4.922	69.19	1886.8
1260.000	D TIERRA	4.802	80.56	25370.1	SUELO SEL	5.929	119.87	3777.9
	SEST-3	5.780	115.88	3697.6	TERRAPLEN	9.870	147.92	2034.7
1280.000	D TIERRA	6.845	116.47	25486.5	SUELO SEL	5.856	117.85	3895.8
	SEST-3	5.713	114.93	3812.5	TERRAPLEN	12.096	219.66	2254.4
1300.000	D TIERRA	7.354	146.93	25633.5	SUELO SEL	5.815	116.55	4012.3
	SEST-3	5.671	113.67	3926.2	TERRAPLEN	14.501	266.95	2521.3
1320.000	D TIERRA	7.444	147.66	25781.1	SUELO SEL	5.811	116.27	4128.6
	SEST-3	5.668	113.39	4039.6	TERRAPLEN	16.512	325.00	2846.3



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PROYECTO :

GRUPO : 1 : CALZADAS LATERALES

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 18 : CALZADA LATERAL DERECHA (CPOL18_a1.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
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1340.000	D TIERRA	7.804	152.48	25933.6	SUELO SEL	5.807	116.18	4244.8
	SEST-3	5.663	113.30	4152.9	TERRAPLEN	14.502	310.14	3156.5
1360.000	D TIERRA	8.648	164.52	26098.1	SUELO SEL	5.786	115.92	4360.7
	SEST-3	5.642	113.05	4265.9	TERRAPLEN	13.301	278.03	3434.5
1380.000	D TIERRA	9.401	180.49	26278.6	SUELO SEL	5.772	115.58	4476.3
	SEST-3	5.629	112.70	4378.6	TERRAPLEN	11.042	243.43	3677.9

1400.000	D TIERRA	10.849	202.50	26481.1	SUELO SEL	5.799	115.72	4592.0
	SEST-3	5.656	112.84	4491.5	TERRAPLEN	1.316	123.59	3801.5
1420.000	D TIERRA	12.132	229.81	26710.9	SUELO SEL	5.524	113.24	4705.2
	SEST-3	5.516	111.72	4603.2	TERRAPLEN	0.000	13.16	3814.7
1440.000	D TIERRA	12.270	244.25	26955.2	SUELO SEL	5.368	109.02	4814.3
	SEST-3	5.368	108.96	4712.1				
1460.000	D TIERRA	13.630	258.99	27214.2	SUELO SEL	5.179	105.47	4919.7
	SEST-3	5.179	105.47	4817.6				
1480.000	D TIERRA	14.151	278.97	27493.1	SUELO SEL	5.070	102.49	5022.2
	SEST-3	5.070	102.49	4920.1				
1500.000	D TIERRA	14.668	288.20	27781.3	SUELO SEL	5.068	101.39	5123.6
	SEST-3	5.068	101.39	5021.5				
1520.000	D TIERRA	15.701	303.84	28085.2	SUELO SEL	5.070	101.39	5225.0
	SEST-3	5.071	101.39	5122.9				
1540.000	D TIERRA	16.204	318.05	28403.2	SUELO SEL	5.187	102.20	5327.2
	SEST-3	5.186	102.20	5225.1				
1560.000	D TIERRA	16.792	329.97	28733.2	SUELO SEL	5.193	103.80	5431.0
	SEST-3	5.193	103.79	5328.9				
1562.958	D TIERRA	18.243	51.82	28785.0	SUELO SEL	5.543	15.88	5446.9
	SEST-3	5.543	15.88	5344.8				



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PROYECTO :

GRUPO : 1 : CALZADAS LATERALES

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 18 : CALZADA LATERAL DERECHA (CPOL18_a1.vol)

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* * * RESUMEN DE VOLUMENES TOTALES * * *

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MATERIAL	VOLUMEN
-----	-----
D TIERRA	28785.0
SUELO SEL	5446.9
SEST-3	5344.8
TERRAPLEN	3814.7
VEGETAL	1793.9

PROYECTO :
 GRUPO : 5 : CALZADAS LATERALES. EJES COMPLEMENTARIOS
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 19 : RAMAL CALZADA DERECHA - VÍA LATERAL DERECHA (CPOL19_a1.vol)

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 * * * MEDICIONES DE LOS PERFILES TRANSVERSALES * * *
 =====

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	D TIERRA	13.603	0.00	0.0	SUELO SEL	3.298	0.00	0.0
	SEST-3	3.298	0.00	0.0	VEGETAL	1.100	0.00	0.0
20.000	D TIERRA	14.066	277.81	277.8	SUELO SEL	3.314	66.04	66.0
	SEST-3	3.315	66.04	66.0	VEGETAL	1.105	22.02	22.0
40.000	D TIERRA	14.330	285.11	562.9	SUELO SEL	3.404	67.05	133.1
	SEST-3	3.404	67.05	133.1	VEGETAL	1.135	22.36	44.4
60.000	D TIERRA	0.000	101.65	664.6	SUELO SEL	0.000	23.82	156.9
	SEST-3	0.000	23.82	156.9	VEGETAL	0.000	7.94	52.3
360.000	D TIERRA	5.965	104.64	769.2	SUELO SEL	1.121	16.74	173.7
	SEST-3	1.121	16.74	173.7	VEGETAL	0.374	5.59	57.9
380.000	D TIERRA	3.688	102.92	872.1	SUELO SEL	1.157	22.70	196.4
	SEST-3	1.157	22.70	196.4	VEGETAL	0.386	7.58	65.5
400.000	D TIERRA	2.882	65.71	937.8	SUELO SEL	1.189	23.46	219.8
	SEST-3	1.189	23.46	219.8	VEGETAL	0.397	7.83	73.3
420.000	D TIERRA	2.649	57.73	995.6	SUELO SEL	1.199	23.90	243.7
	SEST-3	1.199	23.90	243.7	VEGETAL	0.400	7.98	81.3
426.769	D TIERRA	6.986	32.61	1028.2	SUELO SEL	4.198	18.27	262.0
	SEST-3	4.198	18.27	262.0	TERRAPLEN	0.004	0.01	0.0
	VEGETAL	1.400	6.09	87.4				



PROYECTO :
 GRUPO : 5 : CALZADAS LATERALES. EJES COMPLEMENTARIOS
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 19 : RAMAL CALZADA DERECHA - VÍA LATERAL DERECHA (CPOL19_a1.vol)

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 * * * RESUMEN DE VOLUMENES TOTALES * * *
 =====

MATERIAL	VOLUMEN
D TIERRA	1028.2
SUELO SEL	262.0
SEST-3	262.0
VEGETAL	87.4

PROYECTO :
 GRUPO : 2 : ENLACE CV35
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 20 : RAMAL CV35(A) - CALZADA DERECHA (CPOL20_a1.vol)

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 * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
 =====

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	D TIERRA	13.624	0.00	0.0	SUELO SEL	3.290	0.00	0.0
	SEST-3	3.290	0.00	0.0				
20.000	D TIERRA	12.419	260.43	260.4	SUELO SEL	3.553	68.42	68.4
	SEST-3	3.553	68.42	68.4				
40.000	D TIERRA	11.333	237.52	497.9	SUELO SEL	3.454	70.06	138.5
	SEST-3	3.454	70.06	138.5				
60.000	D TIERRA	10.919	226.92	724.9	SUELO SEL	3.688	71.19	209.7
	SEST-3	3.688	71.19	209.7				
80.000	D TIERRA	10.298	202.88	927.7	SUELO SEL	3.950	76.38	286.1
	SEST-3	3.951	76.40	286.1				
100.000	D TIERRA	10.733	213.44	1141.2	SUELO SEL	3.880	78.30	364.4
	SEST-3	3.880	78.31	364.4				
120.000	D TIERRA	11.958	226.91	1368.1	SUELO SEL	7.001	108.82	473.2
	SEST-3	4.201	80.81	445.2	TERRAPLEN	0.074	0.74	0.7
	VEGETAL	6.553	65.53	65.5				
140.000	D TIERRA	18.575	326.33	1694.4	SUELO SEL	6.885	138.87	612.0
	SEST-3	4.131	83.32	528.5	TERRAPLEN	0.001	0.15	0.9
	VEGETAL	6.560	130.65	196.2				
160.000	D TIERRA	48.774	692.36	2386.8	SUELO SEL	7.419	144.01	756.0
	SEST-3	4.452	86.40	614.9	VEGETAL	7.742	142.43	338.6
180.000	D TIERRA	16.424	451.44	2838.2	SUELO SEL	1.150	50.61	806.7
	SEST-3	0.690	30.37	645.3	VEGETAL	2.604	73.64	412.2
200.000	D TIERRA	50.826	672.50	3510.7	SUELO SEL	1.473	26.22	832.9
	SEST-3	0.884	15.73	661.0	VEGETAL	0.000	26.04	438.3
220.000	D TIERRA	29.253	943.56	4454.3	SUELO SEL	1.232	27.35	860.2
	SEST-3	1.232	21.06	682.1				
240.000	D TIERRA	15.889	381.65	4835.9	SUELO SEL	1.603	28.21	888.5
	SEST-3	1.603	28.21	710.3	VEGETAL	1.617	0.81	439.1
260.000	D TIERRA	27.711	421.56	5257.5	SUELO SEL	2.520	40.87	929.3
	SEST-3	2.520	40.87	751.2	VEGETAL	2.306	38.90	478.0
280.000	D TIERRA	41.690	651.35	5908.8	SUELO SEL	3.153	53.82	983.1
	SEST-3	3.153	53.82	805.0	VEGETAL	2.583	44.26	522.3
300.000	D TIERRA	55.646	961.75	6870.6	SUELO SEL	3.209	63.79	1046.9
	SEST-3	3.209	63.79	868.8	VEGETAL	2.710	52.88	575.1
320.000	D TIERRA	84.436	1400.82	8271.4	SUELO SEL	3.343	65.52	1112.5
	SEST-3	3.343	65.52	934.3	VEGETAL	2.991	57.01	632.2
340.000	D TIERRA	102.414	1868.50	10139.9	SUELO SEL	3.433	67.75	1180.2
	SEST-3	3.433	67.75	1002.0	VEGETAL	3.166	61.57	693.7



PROYECTO :
 GRUPO : 2 : ENLACE CV35
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 20 : RAMAL CV35(A) - CALZADA DERECHA (CPOL20_a1.vol)

 * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
360.000	D TIERRA	131.491	2339.05	12479.0	SUELO SEL	3.523	69.55	1249.8
	SEST-3	3.523	69.55	1071.6	VEGETAL	3.391	65.57	759.3
380.000	D TIERRA	174.566	3060.57	15539.5	SUELO SEL	3.612	71.35	1321.1
	SEST-3	3.612	71.35	1142.9	VEGETAL	3.789	71.80	831.1
400.000	D TIERRA	215.127	3896.93	19436.5	SUELO SEL	3.612	72.24	1393.3
	SEST-3	3.612	72.24	1215.2	VEGETAL	4.098	78.87	910.0
420.000	D TIERRA	261.882	4770.08	24206.5	SUELO SEL	3.612	72.24	1465.6
	SEST-3	3.612	72.24	1287.4	VEGETAL	4.405	85.03	995.0
440.000	D TIERRA	290.239	5521.20	29727.7	SUELO SEL	3.612	72.24	1537.8
	SEST-3	3.612	72.24	1359.7	VEGETAL	4.571	89.76	1084.8
460.000	D TIERRA	297.320	5889.40	35617.1	SUELO SEL	3.612	72.24	1610.1
	SEST-3	3.612	72.24	1431.9	VEGETAL	4.503	90.98	1175.7
480.000	D TIERRA	300.456	5977.77	41594.9	SUELO SEL	3.612	72.24	1682.3
	SEST-3	3.612	72.24	1504.1	VEGETAL	4.477	89.81	1265.5
500.000	D TIERRA	292.812	5923.90	47518.8	SUELO SEL	3.612	72.24	1754.5
	SEST-3	3.612	72.24	1576.4	VEGETAL	4.373	88.10	1353.6
520.000	D TIERRA	284.650	5774.62	53293.4	SUELO SEL	3.612	72.24	1826.8
	SEST-3	3.612	72.24	1648.6	VEGETAL	4.298	86.71	1440.4
540.000	D TIERRA	276.921	5629.40	58922.8	SUELO SEL	3.612	72.24	1899.0
	SEST-3	3.612	72.24	1720.9	VEGETAL	4.191	85.03	1525.4
560.000	D TIERRA	3.349	1467.08	60389.9	SUELO SEL	0.050	19.29	1918.3
	SEST-3	0.050	19.29	1740.2	VEGETAL	0.000	21.29	1546.7
560.000	D TIERRA	3.349	0.00	60389.9	SUELO SEL	0.050	0.00	1918.3
	SEST-3	0.050	0.00	1740.2				
580.000	D TIERRA	0.000	33.07	60423.0	SUELO SEL	0.000	0.49	1918.8
	SEST-3	0.000	0.49	1740.6				
620.000	D TIERRA	0.002	0.02	60423.0				
640.000	D TIERRA	160.316	1338.27	61761.3	SUELO SEL	3.132	26.14	1945.0
	SEST-3	3.132	26.14	1766.8				
660.000	D TIERRA	146.322	3066.38	64827.7	SUELO SEL	3.135	62.66	2007.6
	SEST-3	3.135	62.66	1829.4				
680.000	D TIERRA	123.282	2696.04	67523.7	SUELO SEL	3.139	62.74	2070.3
	SEST-3	3.139	62.73	1892.2				
700.000	D TIERRA	102.771	2260.53	69784.2	SUELO SEL	3.147	62.86	2133.2
	SEST-3	3.147	62.86	1955.0	VEGETAL	2.099	20.99	1567.7
720.000	D TIERRA	80.588	1833.59	71617.8	SUELO SEL	3.207	63.54	2196.7
	SEST-3	3.207	63.54	2018.6	VEGETAL	2.140	42.39	1610.1



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PROYECTO :

GRUPO : 2 : ENLACE CV35

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 20 : RAMAL CV35(A) - CALZADA DERECHA (CPOL20_a1.vol)

 * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	
740.000	D TIERRA	61.228	1418.16	73036.0	SUELO SEL	3.207	64.14	2260.9	
	SEST-3	3.207	64.14	2082.7	VEGETAL	2.140	42.80	1652.9	
760.000	D TIERRA	44.897	1068.84	74104.8	SUELO SEL	3.103	63.55	2324.4	
	SEST-3	3.103	63.55	2146.3	VEGETAL	2.070	42.41	1695.3	
780.000	D TIERRA	31.565	764.61	74869.4	SUELO SEL	2.903	60.06	2384.5	
	SEST-3	2.903	60.06	2206.3	VEGETAL	1.937	40.08	1735.3	
800.000	D TIERRA	22.664	539.77	75409.2	SUELO SEL	2.692	55.98	2440.5	
	SEST-3	2.692	55.98	2262.3	VEGETAL	1.797	37.36	1772.7	
820.000	D TIERRA	18.101	407.65	75816.8	SUELO SEL	2.580	52.72	2493.2	
	SEST-3	2.580	52.72	2315.0	VEGETAL	0.000	17.97	1790.7	
840.000	D TIERRA	13.520	315.83	76132.7	SUELO SEL	2.564	51.43	2544.6	
	SEST-3	2.564	51.43	2366.5					
860.000	D TIERRA	10.209	234.98	76367.7	SUELO SEL	2.458	50.10	2594.7	
	SEST-3	2.458	50.10	2416.6					
880.000	D TIERRA	8.109	185.12	76552.8	SUELO SEL	2.332	48.75	2643.5	
	SEST-3	2.332	48.75	2465.3					
900.000	D TIERRA	6.821	147.80	76700.6	SUELO SEL	2.228	45.41	2688.9	
	SEST-3	2.228	45.41	2510.7					
920.000	D TIERRA	6.847	136.38	76837.0	SUELO SEL	2.191	44.39	2733.3	
	SEST-3	2.191	44.39	2555.1					
940.000	D TIERRA	6.823	136.50	76973.5	SUELO SEL	2.108	42.79	2776.1	
	SEST-3	2.108	42.79	2597.9					
960.000	D TIERRA	7.002	138.97	77112.4	SUELO SEL	2.014	41.27	2817.3	
	SEST-3	2.015	41.27	2639.2					
980.000	D TIERRA	7.267	139.37	77251.8	SUELO SEL	1.979	39.82	2857.1	
	SEST-3	1.979	39.82	2679.0					
984.962	D TIERRA	8.852	37.15	77288.9	SUELO SEL	2.457	10.34	2867.5	
	SEST-3	2.457	10.34	2689.3					



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PROYECTO :
 GRUPO : 2 : ENLACE CV35
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 20 : RAMAL CV35(A) - CALZADA DERECHA (CPOL20_a1.vol1)

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* * * RESUMEN DE VOLUMENES TOTALES * * *

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MATERIAL	VOLUMEN
-----	-----
D TIERRA	77288.9
SUELO SEL	2867.5
SEST-3	2689.3
TERRAPLEN	0.9
VEGETAL	1790.7

PROYECTO :
 GRUPO : 2 : ENLACE CV35
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 21 : RAMAL CV35 (A) - CALZADA LATERAL DERECHA (CPOL21_a1.vol)

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 * * * MEDICIONES DE LOS PERFILES TRANSVERSALES * * *
 =====

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	D TIERRA	46.942	0.00	0.0	SUELO SEL	6.245	0.00	0.0
	SEST-3	3.747	0.00	0.0				
20.000	D TIERRA	28.237	660.47	660.5	SUELO SEL	3.760	88.12	88.1
	SEST-3	2.256	52.87	52.9				
40.000	D TIERRA	60.101	891.85	1552.3	SUELO SEL	3.777	75.38	163.5
	SEST-3	2.266	45.23	98.1				
60.000	D TIERRA	24.081	928.98	2481.3	SUELO SEL	2.273	60.28	223.8
	SEST-3	2.273	45.21	143.3				
60.000	D TIERRA	22.566	0.00	2481.3	SUELO SEL	2.273	0.00	223.8
	SEST-3	2.273	0.00	143.3	VEGETAL	1.515	0.00	0.0
80.000	D TIERRA	24.420	465.51	2946.8	SUELO SEL	2.340	46.14	269.9
	SEST-3	2.340	46.14	189.4	VEGETAL	1.560	30.76	30.8
100.000	D TIERRA	21.394	459.52	3406.3	SUELO SEL	2.208	46.39	316.3
	SEST-3	2.208	46.39	235.8	VEGETAL	1.472	30.93	61.7
120.000	D TIERRA	25.826	459.15	3865.5	SUELO SEL	2.353	45.40	361.7
	SEST-3	2.353	45.40	281.2	VEGETAL	1.569	30.26	91.9
140.000	D TIERRA	30.778	540.46	4405.9	SUELO SEL	2.492	48.54	410.2
	SEST-3	2.492	48.54	329.8	VEGETAL	1.661	32.36	124.3
160.000	D TIERRA	37.713	700.51	5106.5	SUELO SEL	2.474	49.80	460.0
	SEST-3	2.474	49.80	379.6	VEGETAL	1.649	33.20	157.5
180.000	D TIERRA	40.571	778.48	5884.9	SUELO SEL	2.405	48.88	508.9
	SEST-3	2.405	48.88	428.5	VEGETAL	1.604	32.59	190.1
200.000	D TIERRA	48.382	876.81	6761.7	SUELO SEL	2.298	47.16	556.1
	SEST-3	2.298	47.16	475.6	VEGETAL	1.532	31.44	221.5
206.989	D TIERRA	95.310	354.91	7116.7	SUELO SEL	2.545	15.94	572.0
	SEST-3	2.545	15.94	491.6	VEGETAL	3.780	10.99	232.5



PROYECTO :
 GRUPO : 2 : ENLACE CV35
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 21 : RAMAL CV35 (A) - CALZADA LATERAL DERECHA (CPOL21_a1.vol)

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 * * * RESUMEN DE VOLUMENES TOTALES * * *
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MATERIAL	VOLUMEN
D TIERRA	7116.7
SUELO SEL	572.0

SEST-3
VEGETAL

491.6
232.5

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 PROYECTO :
 GRUPO : 4 : TRAVESSAT
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 22 : ENCAUZAMIENTO (ISPOL22.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	D TIERRA	6.602	0.00	0.0	ESCOLLERAS	9.040	0.00	0.0
	BASE ESCOLLERA	4.629	0.00	0.0	TERRAPLEN	0.679	0.00	0.0
	VEGETAL	0.656	0.00	0.0	EXC ZM TIERRA	4.629	0.00	0.0
20.000	D TIERRA	10.121	179.85	179.8	ESCOLLERAS	9.040	180.80	180.8
	BASE ESCOLLERA	4.629	92.58	92.6	TERRAPLEN	0.407	9.49	9.5
	VEGETAL	0.674	13.38	13.4	EXC ZM TIERRA	4.629	92.58	92.6
40.000	D TIERRA	13.012	231.33	411.2	ESCOLLERAS	9.040	180.80	361.6
	BASE ESCOLLERA	4.629	92.58	185.2	TERRAPLEN	0.255	6.62	16.1
	VEGETAL	0.689	13.63	27.0	EXC ZM TIERRA	4.629	92.58	185.2
60.000	D TIERRA	19.479	324.91	736.1	ESCOLLERAS	9.040	180.80	542.4
	BASE ESCOLLERA	4.629	92.58	277.7	TERRAPLEN	0.060	3.15	19.3
	VEGETAL	0.723	14.12	41.1	EXC ZM TIERRA	4.629	92.58	277.7
80.000	D TIERRA	33.658	529.78	1265.9	ESCOLLERAS	18.080	247.71	790.1
	BASE ESCOLLERA	9.258	131.10	408.8	TERRAPLEN	0.016	0.47	19.7
	VEGETAL	0.980	16.88	58.0	EXC ZM TIERRA	9.258	131.10	408.8
100.000	D TIERRA	35.409	690.15	1956.0	ESCOLLERAS	18.080	361.60	1151.7
	BASE ESCOLLERA	9.258	185.15	594.0	TERRAPLEN	0.013	0.26	20.0
	VEGETAL	1.001	19.77	77.8	EXC ZM TIERRA	9.258	185.15	594.0
120.000	D TIERRA	30.297	666.21	2622.2	ESCOLLERAS	18.080	361.60	1513.3
	BASE ESCOLLERA	9.258	185.15	779.1	TERRAPLEN	0.043	0.54	20.5
	VEGETAL	0.949	19.64	97.4	EXC ZM TIERRA	9.258	185.15	779.1
140.000	D TIERRA	32.724	631.73	3253.9	ESCOLLERAS	18.080	361.60	1874.9
	BASE ESCOLLERA	9.258	185.15	964.3	TERRAPLEN	0.011	0.48	21.0
	VEGETAL	0.949	18.98	116.4	EXC ZM TIERRA	9.258	185.15	964.3
160.000	D TIERRA	35.201	679.25	3933.2	ESCOLLERAS	18.080	361.60	2236.5
	BASE ESCOLLERA	9.258	185.15	1149.4	TERRAPLEN	0.011	0.22	21.2
	VEGETAL	0.994	19.43	135.8	EXC ZM TIERRA	9.258	185.15	1149.4
180.000	D TIERRA	28.114	633.15	4566.4	ESCOLLERAS	18.080	361.60	2598.1
	BASE ESCOLLERA	9.258	185.15	1334.6	TERRAPLEN	0.110	1.21	22.4
	VEGETAL	0.949	19.43	155.2	EXC ZM TIERRA	9.258	185.15	1334.6
200.000	D TIERRA	28.604	567.18	5133.5	ESCOLLERAS	18.080	361.60	2959.7
	BASE ESCOLLERA	9.258	185.15	1519.8	TERRAPLEN	0.091	2.02	24.5
	VEGETAL	0.949	18.98	174.2	EXC ZM TIERRA	9.258	185.15	1519.8
220.000	D TIERRA	31.929	607.05	5740.6	ESCOLLERAS	18.080	361.60	3321.3
	BASE ESCOLLERA	9.258	185.15	1704.9	TERRAPLEN	0.043	1.31	25.8
	VEGETAL	0.949	18.98	193.2	EXC ZM TIERRA	9.258	185.15	1704.9



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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
220.000	D TIERRA	5.905	0.00	5740.6	INADECUADO	23.693	0.00	0.0
	ESCOLLERAS	9.040	0.00	3321.3	BASE ESCOLLERA	8.285	0.00	1704.9
	TERRAPLEN	1.240	0.00	25.8	VEGETAL	0.817	0.00	193.2
	EXC ZM TIERRA	8.285	0.00	1704.9				
240.000	D TIERRA	20.578	268.75	6009.3	INADECUADO	38.289	645.58	645.6
	ESCOLLERAS	20.632	364.03	3685.3	BASE ESCOLLERA	9.513	185.22	1890.1
	TERRAPLEN	6.881	86.24	112.0	VEGETAL	1.320	22.26	215.5
	EXC ZM TIERRA	9.513	185.22	1890.1				
240.000	D TIERRA	20.578	0.00	6009.3	INADECUADO	38.289	0.00	645.6
	ESCOLLERAS	20.632	0.00	3685.3	BASE ESCOLLERA	9.513	0.00	1890.1
	TERRAPLEN	6.881	0.00	112.0	VEGETAL	1.320	0.00	215.5
	EXC ZM TIERRA	9.513	0.00	1890.1				
260.000	D TIERRA	21.771	423.48	6432.8	INADECUADO	38.254	765.43	1411.0
	ESCOLLERAS	20.633	412.65	4098.0	BASE ESCOLLERA	9.513	190.25	2080.4
	TERRAPLEN	6.834	137.15	249.2	VEGETAL	1.319	26.39	241.9
	EXC ZM TIERRA	9.513	190.25	2080.4				
280.000	D TIERRA	19.219	413.86	6846.7	INADECUADO	35.947	745.39	2156.4
	ESCOLLERAS	20.632	412.65	4510.6	BASE ESCOLLERA	9.513	190.25	2270.6
	TERRAPLEN	5.193	122.57	371.7	VEGETAL	1.239	25.70	267.6
	EXC ZM TIERRA	9.513	190.25	2270.6				
300.000	D TIERRA	18.096	373.15	7219.8	INADECUADO	34.351	702.98	2859.4
	ESCOLLERAS	20.632	412.65	4923.3	BASE ESCOLLERA	9.513	190.25	2460.9
	TERRAPLEN	3.873	90.66	462.4	VEGETAL	1.185	24.24	291.8
	EXC ZM TIERRA	9.513	190.25	2460.9				
320.000	D TIERRA	16.892	349.88	7569.7	INADECUADO	34.516	688.67	3548.1
	ESCOLLERAS	20.633	412.65	5335.9	BASE ESCOLLERA	9.513	190.25	2651.1
	TERRAPLEN	4.095	79.68	542.1	VEGETAL	1.190	23.75	315.6
	EXC ZM TIERRA	9.513	190.25	2651.1				
340.000	D TIERRA	17.465	343.57	7913.3	INADECUADO	35.703	702.19	4250.3
	ESCOLLERAS	20.633	412.65	5748.6	BASE ESCOLLERA	9.513	190.25	2841.4
	TERRAPLEN	5.052	91.47	633.5	VEGETAL	1.231	24.22	339.8
	EXC ZM TIERRA	9.513	190.25	2841.4				
360.000	D TIERRA	16.577	341.46	8254.7	INADECUADO	34.424	706.09	4956.3
	ESCOLLERAS	20.632	412.65	6161.2	BASE ESCOLLERA	9.513	190.25	3031.6
	TERRAPLEN	4.036	94.71	728.3	VEGETAL	1.187	24.35	364.1
	EXC ZM TIERRA	9.513	190.25	3031.6				



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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
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380.000	D TIERRA	19.565	345.52	8600.3	INADECUADO	39.509	731.29	5687.6
	ESCOLLERAS	20.632	412.65	6573.9	BASE ESCOLLERA	9.513	190.25	3221.9
	TERRAPLEN	7.457	111.44	839.7	VEGETAL	1.362	25.22	389.3
	EXC ZM TIERRA	9.513	190.25	3221.9				
400.000	D TIERRA	31.034	502.37	9102.6	INADECUADO	45.184	845.59	6533.2
	ESCOLLERAS	20.633	412.65	6986.5	BASE ESCOLLERA	9.513	190.25	3412.1
	TERRAPLEN	9.473	169.12	1008.8	VEGETAL	1.558	29.16	418.5
	EXC ZM TIERRA	9.513	190.25	3412.1				
420.000	D TIERRA	133.974	2041.72	11144.3	INADECUADO	0.000	22.59	6555.8
	ESCOLLERAS	32.703	497.21	7483.7	BASE ESCOLLERA	11.443	206.01	3618.1
	TERRAPLEN	0.008	4.87	1013.7	VEGETAL	2.192	39.42	457.9
	EXC ZM TIERRA	11.575	207.64	3619.8	RELL ZAP MURO	0.132	1.63	1.6
	FIRME	0.000	70.08	70.1	BARRERA BORD.	23.664	416.35	416.4
440.000	D TIERRA	127.885	2691.21	13835.6	ESCOLLERAS	30.159	610.04	8093.8
	BASE ESCOLLERA	11.201	224.68	3842.8	TERRAPLEN	0.007	0.16	1013.8
	VEGETAL	2.343	46.57	504.5	EXC ZM TIERRA	11.201	225.02	3844.8
	RELL ZAP MURO	0.000	0.34	2.0	BARRERA BORD.	23.664	473.29	889.6
460.000	D TIERRA	117.696	2452.04	16287.6	ESCOLLERAS	32.816	627.57	8721.4
	BASE ESCOLLERA	11.454	226.36	4069.2	TERRAPLEN	0.008	0.15	1014.0
	VEGETAL	2.284	46.29	550.8	EXC ZM TIERRA	11.454	226.35	4071.1
	BARRERA BORD.	23.664	473.29	1362.9				
480.000	D TIERRA	93.627	2113.23	18400.8	ESCOLLERAS	28.053	608.70	9330.1
	BASE ESCOLLERA	10.996	224.50	4293.7	TERRAPLEN	0.008	0.16	1014.1
	VEGETAL	2.168	44.52	595.3	EXC ZM TIERRA	10.996	224.50	4295.6
	BARRERA BORD.	23.664	473.29	1836.2				
500.000	D TIERRA	32.172	1015.77	19416.6	ESCOLLERAS	0.000	319.77	9649.8
	BASE ESCOLLERA	0.000	53.20	4346.9	TERRAPLEN	0.000	0.09	1014.2
	VEGETAL	0.923	19.15	614.4	EXC ZM TIERRA	0.000	53.20	4348.8
	MUROS	2.250	0.10	0.1	FIRME	0.000	15.21	85.3
	BARRERA BORD.	0.000	1.18	1837.4				
500.000	D TIERRA	34.422	0.00	19416.6	VEGETAL	0.923	0.00	614.4
	MUROS	4.500	0.00	0.1				
520.000	D TIERRA	11.915	463.38	19880.0	RELLENO CG	0.008	0.08	0.1
	VEGETAL	0.501	14.25	628.7	MUROS	4.500	90.00	90.1
540.000	D TIERRA	16.133	280.80	20160.8	RELLENO CG	0.004	0.13	0.2
	VEGETAL	0.533	10.41	639.1	MUROS	4.500	90.00	180.1
560.000	D TIERRA	8.335	244.67	20405.5	RELLENO CG	0.014	0.18	0.4
	VEGETAL	0.501	10.34	649.4	MUROS	4.500	90.00	270.1



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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
580.000	D TIERRA	7.873	157.16	20562.6	RELLENO CG	0.016	0.32	0.7
	VEGETAL	0.501	10.02	659.5	MUROS	4.500	90.00	360.1
580.000	D TIERRA	7.873	0.00	20562.6	RELLENO CG	0.016	0.00	0.7

	VEGETAL	0.501	0.00	659.5	MUROS	4.500	0.00	360.1
600.000	D TIERRA	10.532	197.92	20760.5	LOSA	2.510	25.10	25.1
	RELLENO CG	0.000	0.16	0.9	TERRAPLEN	0.017	0.17	1014.4
	VEGETAL	0.502	10.03	669.5	RELL ZAP MURO	0.016	0.16	2.1
	MUROS	4.500	90.00	450.1	FIRME	2.154	32.31	117.6
620.000	D TIERRA	16.842	253.21	21013.7	LOSA	2.510	50.20	75.3
	TERRAPLEN	0.008	0.28	1014.7	VEGETAL	0.502	10.04	679.5
	RELL ZAP MURO	0.008	0.26	2.4	MUROS	4.500	90.00	540.1
	FIRME	2.154	43.08	160.7				
640.000	D TIERRA	24.848	416.90	21430.6	LOSA	2.510	50.20	125.5
	TERRAPLEN	0.001	0.09	1014.8	VEGETAL	0.502	10.04	689.6
	RELL ZAP MURO	0.000	0.08	2.5	MUROS	4.500	90.00	630.1
	RELLENO LOSA	0.191	1.91	1.9	FIRME	2.154	43.08	203.8
660.000	D TIERRA	27.312	517.46	21948.1	LOSA	2.510	50.20	175.7
	VEGETAL	0.502	10.04	699.6	MUROS	4.500	90.00	720.1
	RELLENO LOSA	1.046	9.26	11.2	FIRME	2.154	43.08	246.9
680.000	D TIERRA	28.275	549.40	22497.5	LOSA	2.510	50.20	225.9
	VEGETAL	0.502	10.04	709.6	MUROS	4.500	90.00	810.1
	RELLENO LOSA	1.568	18.64	29.8	FIRME	2.154	43.08	289.9
700.000	D TIERRA	29.264	578.20	23075.7	LOSA	2.510	50.20	276.1
	VEGETAL	0.502	10.04	719.7	MUROS	4.500	90.00	900.1
	RELLENO LOSA	2.557	44.05	73.9	FIRME	2.154	43.08	333.0
720.000	D TIERRA	30.833	594.40	23670.1	LOSA	2.510	50.20	326.3
	VEGETAL	0.502	10.04	729.7	MUROS	4.500	90.00	990.1
	RELLENO LOSA	4.126	60.25	134.1	FIRME	2.154	43.09	376.1
740.000	D TIERRA	19.040	530.08	24200.2	LOSA	2.510	50.20	376.5
	TERRAPLEN	0.004	0.03	1014.8	VEGETAL	0.502	10.04	739.8
	RELL ZAP MURO	0.004	0.03	2.5	MUROS	4.500	90.00	1080.1
	RELLENO LOSA	0.000	56.20	190.3	FIRME	2.154	43.08	419.2
760.000	D TIERRA	10.080	218.09	24418.3	LOSA	2.510	50.20	426.7
	TERRAPLEN	0.021	0.38	1015.2	VEGETAL	0.502	10.04	749.8
	RELL ZAP MURO	0.020	0.36	2.9	MUROS	4.500	90.00	1170.1
	FIRME	2.154	43.08	462.3				



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 * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
780.000	D TIERRA	66.363	764.43	25182.7	LOSA	2.510	50.20	476.9
	TERRAPLEN	0.000	0.21	1015.4	VEGETAL	0.502	10.04	759.8
	RELL ZAP MURO	0.000	0.20	3.1	MUROS	4.500	90.00	1260.1
	RELLENO LOSA	39.656	396.56	586.9	FIRME	2.154	43.08	505.4
800.000	D TIERRA	32.612	1134.95	26317.6	LOSA	2.510	50.20	527.1
	VEGETAL	0.502	10.04	769.9	MUROS	4.500	90.00	1350.1
	RELLENO LOSA	5.904	600.80	1187.7	FIRME	2.154	43.08	548.4
820.000	D TIERRA	10.128	431.13	26748.8	LOSA	2.510	50.20	577.3
	TERRAPLEN	0.022	0.11	1015.5	VEGETAL	0.502	10.04	779.9

	RELL ZAP MURO	0.021	0.10	3.2	MUROS	4.500	90.00	1440.1
	RELLENO LOSA	0.000	29.52	1217.2	FIRME	2.154	43.08	591.5
840.000	D TIERRA	16.429	241.99	26990.8	LOSA	2.510	50.20	627.5
	TERRAPLEN	0.008	0.33	1015.8	VEGETAL	0.502	10.04	790.0
	RELL ZAP MURO	0.007	0.31	3.5	MUROS	4.500	90.00	1530.1
	FIRME	2.154	43.08	634.6				
860.000	D TIERRA	27.815	448.03	27438.8	LOSA	2.510	50.20	677.7
	TERRAPLEN	0.000	0.05	1015.9	VEGETAL	0.502	10.04	800.0
	RELL ZAP MURO	0.000	0.04	3.5	MUROS	4.500	90.00	1620.1
	RELLENO LOSA	1.232	2.11	1219.3	FIRME	2.154	43.08	677.7
880.000	D TIERRA	35.042	629.78	28068.6	LOSA	2.510	50.20	727.9
	VEGETAL	0.502	10.04	810.0	MUROS	4.500	90.00	1710.1
	RELLENO LOSA	8.335	96.76	1316.1	FIRME	2.154	43.08	720.8
880.000	D TIERRA	68.039	0.00	28068.6	ESCOLLERAS	20.633	0.00	9649.8
	BASE ESCOLLERA	9.513	0.00	4346.9	TERRAPLEN	0.012	0.00	1015.9
	VEGETAL	1.442	0.00	810.0	EXC ZM TIERRA	9.513	0.00	4348.8
900.000	D TIERRA	68.474	1365.31	29433.9	ESCOLLERAS	20.633	412.65	10062.5
	BASE ESCOLLERA	9.513	190.25	4537.1	TERRAPLEN	0.014	0.26	1016.2
	VEGETAL	1.630	30.72	840.8	EXC ZM TIERRA	9.513	190.25	4539.1
920.000	D TIERRA	62.307	1304.28	30738.2	ESCOLLERAS	20.633	412.65	10475.1
	BASE ESCOLLERA	9.513	190.25	4727.4	TERRAPLEN	0.015	0.29	1016.4
	VEGETAL	1.520	31.47	872.2	EXC ZM TIERRA	9.513	190.25	4729.3
940.000	D TIERRA	61.446	1234.58	31972.7	ESCOLLERAS	20.633	412.65	10887.8
	BASE ESCOLLERA	9.513	190.25	4917.6	TERRAPLEN	0.015	0.30	1016.7
	VEGETAL	1.504	30.23	902.5	EXC ZM TIERRA	9.513	190.25	4919.6
960.000	D TIERRA	53.489	1182.09	33154.8	ESCOLLERAS	20.633	412.65	11300.4
	BASE ESCOLLERA	9.513	190.25	5107.9	TERRAPLEN	0.015	0.30	1017.0
	VEGETAL	1.333	29.07	931.5	EXC ZM TIERRA	9.513	190.25	5109.8



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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
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980.000	D TIERRA	41.956	933.04	34087.9	ESCOLLERAS	7.049	358.31	11658.7
	BASE ESCOLLERA	2.808	163.43	5271.3	TERRAPLEN	0.012	0.55	1017.6
	VEGETAL	1.311	25.00	956.5	EXC ZM TIERRA	2.808	163.43	5273.3
992.000	D TIERRA	68.506	662.78	34750.7	ESCOLLERAS	0.000	42.29	11701.0
	BASE ESCOLLERA	0.000	16.85	5288.2	TERRAPLEN	0.000	0.07	1017.7
	VEGETAL	1.788	18.60	975.1	EXC ZM TIERRA	0.000	16.85	5290.1



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PROYECTO :
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* * *	RESUMEN DE VOLUMENES TOTALES	* * *
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MATERIAL	VOLUMEN
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D TIERRA	34750.7
LOSA	727.9
RELLENO CG	0.9
INADECUADO	6555.8
ESCOLLERAS	11701.0
BASE ESCOLLERA	5288.2
TERRAPLEN	1017.7
VEGETAL	975.1
EXC ZM TIERRA	5290.1
RELL ZAP MURO	3.5
MUROS	1710.1
RELLENO LOSA	1316.1
FIRME	720.8
BARRERA BORD.	1837.4

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	D TIERRA	5.292	0.00	0.0	SEST-3	2.532	0.00	0.0
20.000	D TIERRA	5.945	112.57	112.6	SEST-3	4.850	70.61	70.6
40.000	D TIERRA	4.603	109.75	222.3	SEST-3	5.589	109.27	179.9
60.000	D TIERRA	3.539	80.63	302.9	SEST-3	5.841	114.53	294.4
71.560	D TIERRA	2.209	33.22	336.2	SEST-3	5.847	67.55	362.0
	TERRAPLEN	0.323	1.87	1.9				

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* * * RESUMEN DE VOLUMENES TOTALES* * *

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MATERIAL	VOLUMEN
D TIERRA	336.2
SEST-3	362.0
TERRAPLEN	1.9

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	D TIERRA	7.703	0.00	0.0	SEST-3	3.463	0.00	0.0
20.000	D TIERRA	31.685	319.32	319.3	SEST-3	3.685	73.31	73.3
40.000	D TIERRA	124.852	1663.78	1983.1	SEST-3	3.685	73.71	147.0
60.000	D TIERRA	16.765	1125.05	3108.1	SEST-3	3.685	73.71	220.7
80.000	D TIERRA	7.472	217.09	3325.2	SEST-3	3.698	71.83	292.6
100.000	D TIERRA	7.302	167.88	3493.1	SEST-3	3.543	71.51	364.1
120.000	D TIERRA	8.320	179.64	3672.8	SEST-3	3.639	70.45	434.5
140.000	D TIERRA	4.582	135.38	3808.1	SEST-3	3.739	70.11	504.6
160.000	D TIERRA	6.580	112.08	3920.2	SEST-3	3.745	71.53	576.2
180.000	D TIERRA	5.655	101.41	4021.6	SEST-3	3.961	77.72	653.9
200.000	D TIERRA	0.776	45.65	4067.3	SEST-3	4.188	82.41	736.3
	TERRAPLEN	0.015	1.47	1.5				
220.000	D TIERRA	5.870	81.17	4148.5	SEST-3	3.132	71.71	808.0
	TERRAPLEN	0.000	0.04	1.5				
224.792	D TIERRA	7.209	31.34	4179.8	SEST-3	3.389	15.62	823.6

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* * * RESUMEN DE VOLUMENES TOTALES* * *

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MATERIAL	VOLUMEN
D TIERRA	4179.8
SEST-3	823.6
TERRAPLEN	1.5

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	D TIERRA	11.856	0.00	0.0	SEST-3	3.685	0.00	0.0
20.000	D TIERRA	7.560	192.74	192.7	SEST-3	3.511	72.37	72.4
40.000	D TIERRA	10.495	195.41	388.2	SEST-3	3.685	73.27	145.6
60.000	D TIERRA	1.612	129.08	517.2	SEST-3	4.208	73.94	219.6
80.000	D TIERRA	0.000	4.45	521.7	SEST-3	4.221	85.49	305.1
	TERRAPLEN	8.108	72.98	73.0				
96.982	SEST-3	4.089	71.06	376.1	TERRAPLEN	25.858	278.30	351.3

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* * * RESUMEN DE VOLUMENES TOTALES* * *

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MATERIAL	VOLUMEN
D TIERRA	521.7
SEST-3	376.1
TERRAPLEN	351.3

Istram 23.01.01.13 24/05/23 16:11:00 200207
PROYECTO :
GRUPO : 3 : CAMINOS
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 46 : CARRIL BICI (ISPOL46.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	D TIERRA	3.130	0.00	0.0	SEST-3	1.566	0.00	0.0
20.000	D TIERRA	2.754	43.77	43.8	SEST-3	1.578	27.90	27.9
40.000	D TIERRA	0.096	38.28	82.1	SEST-3	1.793	30.58	58.5
	TERRAPLEN	0.224	0.16	0.2				
60.000	D TIERRA	3.694	47.82	129.9	SEST-3	1.707	34.34	92.8
	TERRAPLEN	0.000	5.07	5.2				
140.000	SEST-3	1.811	0.00	92.8	TERRAPLEN	12.858	0.00	5.2
160.000	SEST-3	1.811	36.22	129.0	TERRAPLEN	6.025	188.98	194.2
180.000	D TIERRA	0.189	0.47	130.3	SEST-3	1.804	36.20	165.2
	TERRAPLEN	3.305	62.42	256.6				
200.000	D TIERRA	2.287	13.35	143.7	SEST-3	1.426	34.60	199.8
	TERRAPLEN	0.000	47.08	303.7				
220.000	D TIERRA	3.393	57.46	201.2	SEST-3	1.707	32.08	231.9
240.000	D TIERRA	3.275	54.79	255.9	SEST-3	1.581	30.67	262.6
245.599	D TIERRA	3.495	19.73	275.7	SEST-3	1.566	9.08	271.7

Istram 23.01.01.13 24/05/23 16:11:01 200207
PROYECTO :
GRUPO : 3 : CAMINOS
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 46 : CARRIL BICI (ISPOL46.vol)

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* * * RESUMEN DE VOLUMENES TOTALES* * *

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MATERIAL	VOLUMEN
D TIERRA	275.7
SEST-3	271.7
TERRAPLEN	303.7

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	D TIERRA	2.245	0.00	0.0	SEST-3	0.982	0.00	0.0
20.000	D TIERRA	2.895	55.27	55.3	SEST-3	1.372	23.54	23.5
40.000	D TIERRA	4.364	77.85	133.1	SEST-3	1.762	31.34	54.9
60.000	D TIERRA	4.526	88.89	222.0	SEST-3	1.762	35.24	90.1
80.000	D TIERRA	3.680	74.11	296.1	SEST-3	1.762	35.24	125.4
100.000	D TIERRA	4.304	83.86	380.0	SEST-3	1.762	35.24	160.6
120.000	D TIERRA	3.007	73.11	453.1	SEST-3	1.762	35.24	195.9
140.000	D TIERRA	3.904	69.11	522.2	SEST-3	1.762	35.24	231.1
160.000	D TIERRA	2.463	63.67	585.9	SEST-3	1.762	35.24	266.3
180.000	D TIERRA	3.170	56.32	642.2	SEST-3	1.762	35.25	301.6
200.000	D TIERRA	4.088	71.02	713.2	SEST-3	1.762	35.24	336.8
220.000	D TIERRA	4.325	84.12	797.4	SEST-3	1.762	35.25	372.1
240.000	D TIERRA	2.883	68.76	866.1	SEST-3	1.762	35.24	407.3
260.000	D TIERRA	3.351	62.34	928.5	SEST-3	1.762	35.24	442.6
280.000	D TIERRA	1.267	46.18	974.6	SEST-3	1.762	35.24	477.8
300.000	D TIERRA	1.531	27.99	1002.6	SEST-3	1.762	35.24	513.1
320.000	D TIERRA	1.714	30.21	1032.8	SEST-3	1.445	32.07	545.1
337.081	D TIERRA	2.652	37.04	1069.9	SEST-3	1.174	22.37	567.5

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* * * RESUMEN DE VOLUMENES TOTALES* * *

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MATERIAL	VOLUMEN
D TIERRA	1069.9
SEST-3	567.5

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	D TIERRA	4.761	0.00	0.0	SEST-3	4.682	0.00	0.0
20.000	D TIERRA	4.147	91.14	91.1	SEST-3	4.709	93.90	93.9
40.000	D TIERRA	4.304	98.43	189.6	SEST-3	4.798	94.71	188.6
60.000	D TIERRA	0.000	30.21	219.8	SEST-3	5.119	99.56	288.2
	TERRAPLEN	5.726	32.09	32.1				
80.000	SEST-3	5.119	102.38	390.5	TERRAPLEN	10.332	156.95	189.0
100.000	SEST-3	5.119	102.38	492.9	TERRAPLEN	13.055	240.52	429.6
120.000	SEST-3	5.119	102.38	595.3	TERRAPLEN	10.373	263.21	692.8
140.000	SEST-3	5.119	102.38	697.7	TERRAPLEN	5.440	166.27	859.0
160.000	D TIERRA	2.804	19.76	239.5	SEST-3	4.816	100.26	798.0
	TERRAPLEN	0.126	36.32	895.4				
175.929	D TIERRA	4.761	61.82	301.4	SEST-3	4.682	75.49	873.4
	TERRAPLEN	0.000	0.17	895.5				

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* * * RESUMEN DE VOLUMENES TOTALES* * *

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MATERIAL	VOLUMEN
D TIERRA	301.4
SEST-3	873.4
TERRAPLEN	895.5

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	D TIERRA	6.658	0.00	0.0	SEST-3	4.013	0.00	0.0
20.000	D TIERRA	3.851	101.87	101.9	SEST-3	3.810	77.17	77.2
38.228	D TIERRA	2.468	52.55	154.4	SEST-3	3.733	69.00	146.2

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* * * RESUMEN DE VOLUMENES TOTALES* * *

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MATERIAL	VOLUMEN
D TIERRA	154.4
SEST-3	146.2

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	D TIERRA	0.227	0.00	0.0	SEST-3	4.292	0.00	0.0
	TERRAPLEN	2.073	0.00	0.0				
20.000	D TIERRA	3.679	46.77	46.8	SEST-3	4.163	84.54	84.5
	TERRAPLEN	0.264	16.19	16.2				
35.497	D TIERRA	5.621	71.32	118.1	SEST-3	4.040	63.63	148.2
	TERRAPLEN	0.000	1.32	17.5				

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* * * RESUMEN DE VOLUMENES TOTALES* * *

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MATERIAL	VOLUMEN
D TIERRA	118.1
SEST-3	148.2
TERRAPLEN	17.5

Istram 23.01.01.13 29/05/23 11:07:18 200207
PROYECTO :
GRUPO : 8 : REPOSICIÓN PATERNA ED2
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 63 : CAMINO 0+780 - 1+920 MD (I SPOL63.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	D TIERRA	0.250	0.00	0.0	SEST-3	6.095	0.00	0.0
	TERRAPLEN	2.616	0.00	0.0				
20.000	D TIERRA	2.279	25.68	25.7	SEST-3	5.932	119.86	119.9
	TERRAPLEN	0.000	22.69	22.7				
40.000	D TIERRA	3.697	60.12	85.8	SEST-3	5.960	118.88	238.7
60.000	D TIERRA	3.783	61.07	146.9	SEST-3	5.801	118.54	357.3
80.000	D TIERRA	5.043	123.27	270.1	SEST-3	5.775	112.18	469.5
100.000	D TIERRA	3.661	82.18	352.3	SEST-3	5.926	116.88	586.3
120.000	D TIERRA	2.735	60.38	412.7	SEST-3	5.871	118.18	704.5
140.000	D TIERRA	8.874	85.54	498.2	SEST-3	5.806	116.70	821.2
	TERRAPLEN	2.000	11.66	34.4				
160.000	D TIERRA	6.696	155.70	653.9	SEST-3	5.806	116.12	937.3
	TERRAPLEN	3.205	52.05	86.4				
180.000	D TIERRA	0.018	67.14	721.1	SEST-3	6.124	119.30	1056.6
	TERRAPLEN	4.014	72.20	158.6				
200.000	D TIERRA	0.132	1.50	722.6	SEST-3	6.122	122.46	1179.1
	TERRAPLEN	1.962	59.76	218.4				
220.000	D TIERRA	0.366	4.98	727.6	SEST-3	6.083	122.06	1301.2
	TERRAPLEN	1.728	36.90	255.3				
240.000	D TIERRA	1.571	19.36	746.9	SEST-3	5.878	119.61	1420.8
	TERRAPLEN	0.014	17.42	272.7				
260.000	D TIERRA	3.950	55.20	802.1	SEST-3	5.804	116.82	1537.6
	TERRAPLEN	0.000	0.14	272.8				
280.000	D TIERRA	3.279	72.28	874.4	SEST-3	5.856	116.60	1654.2
300.000	D TIERRA	0.825	41.04	915.4	SEST-3	6.019	118.75	1772.9
	TERRAPLEN	0.777	7.77	280.6				
320.000	D TIERRA	0.194	10.20	925.6	SEST-3	6.100	121.19	1894.1
	TERRAPLEN	2.930	37.07	317.7				
340.000	D TIERRA	1.012	12.06	937.7	SEST-3	5.882	119.82	2014.0
	TERRAPLEN	2.379	53.10	370.8				
360.000	D TIERRA	24.556	255.68	1193.4	SEST-3	5.486	113.68	2127.6
	TERRAPLEN	0.000	23.79	394.6				
380.000	D TIERRA	31.115	556.45	1749.8	SEST-3	5.485	109.71	2237.3
400.000	D TIERRA	41.651	719.97	2469.8	SEST-3	5.485	109.71	2347.0
420.000	D TIERRA	51.752	934.02	3403.8	SEST-3	5.486	109.71	2456.8
440.000	D TIERRA	44.951	1000.10	4403.9	SEST-3	5.485	109.71	2566.5
460.000	D TIERRA	5.958	509.09	4913.0	SEST-3	5.722	112.07	2678.5
480.000	D TIERRA	7.977	139.69	5052.7	SEST-3	5.608	112.98	2791.5

Istram 23.01.01.13 29/05/23 11:07:19 200207
PROYECTO :
GRUPO : 8 : REPOSICIÓN PATERNA ED2
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
500.000	D TIERRA	0.000	73.16	5125.9	SEST-3	6.035	116.78	2908.3
	TERRAPLEN	11.295	117.12	511.7				
520.000	SEST-3	6.035	120.70	3029.0	TERRAPLEN	10.761	220.56	732.2
540.000	SEST-3	6.035	120.70	3149.7	TERRAPLEN	10.941	217.01	949.2
560.000	D TIERRA	2.820	20.78	5146.6	SEST-3	5.667	117.37	3267.1
	TERRAPLEN	0.369	106.97	1056.2				
580.000	D TIERRA	23.056	258.76	5405.4	SEST-3	5.486	111.53	3378.6
	TERRAPLEN	0.000	3.69	1059.9				
600.000	D TIERRA	36.206	611.78	6017.2	SEST-3	5.486	109.71	3488.3
620.000	D TIERRA	39.367	755.73	6772.9	SEST-3	5.485	109.71	3598.0
640.000	D TIERRA	40.113	826.59	7599.5	SEST-3	5.485	109.71	3707.7
660.000	D TIERRA	35.605	744.07	8343.6	SEST-3	5.485	109.71	3817.4
680.000	D TIERRA	26.989	626.58	8970.1	SEST-3	5.486	109.71	3927.1
700.000	D TIERRA	16.917	439.05	9409.2	SEST-3	5.485	109.71	4036.9
720.000	D TIERRA	12.086	290.03	9699.2	SEST-3	5.408	108.94	4145.8
740.000	D TIERRA	15.112	271.98	9971.2	SEST-3	5.439	108.47	4254.3
760.000	D TIERRA	20.232	353.45	10324.7	SEST-3	5.485	109.24	4363.5
780.000	D TIERRA	9.318	295.50	10620.2	SEST-3	5.636	111.22	4474.7
800.000	D TIERRA	6.872	161.91	10782.1	SEST-3	5.363	109.99	4584.7
820.000	D TIERRA	0.003	68.75	10850.8	SEST-3	6.206	115.69	4700.4
	TERRAPLEN	9.331	93.31	1153.2				
840.000	D TIERRA	0.000	0.03	10850.8	SEST-3	6.207	124.14	4824.5
	TERRAPLEN	9.286	186.18	1339.4				
860.000	D TIERRA	0.952	9.52	10860.4	SEST-3	6.107	123.14	4947.7
	TERRAPLEN	6.638	159.24	1498.6				
880.000	D TIERRA	2.661	36.13	10896.5	SEST-3	5.916	120.23	5067.9
	TERRAPLEN	0.000	66.38	1565.0				
900.000	D TIERRA	9.641	123.02	11019.5	SEST-3	5.666	115.83	5183.7
920.000	D TIERRA	10.733	203.74	11223.3	SEST-3	5.581	112.47	5296.2
940.000	D TIERRA	12.185	229.18	11452.4	SEST-3	5.629	112.10	5408.3
960.000	D TIERRA	7.586	197.71	11650.1	SEST-3	5.613	112.42	5520.7
980.000	D TIERRA	7.098	146.85	11797.0	SEST-3	7.792	134.05	5654.8
	TERRAPLEN	26.300	263.00	1828.0				
1000.000	D TIERRA	9.490	165.88	11962.9	SEST-3	7.986	157.78	5812.6
	TERRAPLEN	30.002	563.01	2391.0				
1020.000	D TIERRA	10.380	198.70	12161.6	SEST-3	7.986	159.72	5972.3
	TERRAPLEN	34.283	642.85	3033.9				

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.			
1040.000	D TIERRA	9.449	198.29	12359.9	SEST-3	7.986	159.72	6132.0			
	TERRAPLEN	38.998	732.81	3766.7							
1060.000	D TIERRA	15.093	245.42	12605.3	SEST-3	7.986	159.72	6291.7			
	TERRAPLEN	30.536	695.34	4462.0							
1080.000	D TIERRA	30.052	451.45	13056.7	SEST-3	7.438	154.24	6446.0			
	TERRAPLEN	0.000	305.36	4767.4							
1100.000	D TIERRA	62.922	929.74	13986.5	SEST-3	8.338	157.76	6603.7			
1120.000	D TIERRA	71.096	1340.18	15326.7	SEST-3	7.986	163.24	6767.0			
	TERRAPLEN	13.063	130.63	4898.0							
1140.000	D TIERRA	63.552	1358.50	16685.1	SEST-3	7.986	159.72	6926.7			
	TERRAPLEN	13.192	279.42	5177.4							
1160.000	D TIERRA	29.647	931.98	17617.1	SEST-3	7.986	159.72	7086.4			
	TERRAPLEN	10.957	241.49	5418.9							
1180.000	D TIERRA	19.409	457.68	18074.8	SEST-3	7.986	159.72	7246.1			
	TERRAPLEN	2.442	150.58	5569.5							
1200.000	D TIERRA	8.313	277.22	18352.0	SEST-3	3.939	119.24	7365.4			
	TERRAPLEN	0.000	24.42	5593.9							
1220.000	D TIERRA	3.471	116.13	18468.2	SEST-3	4.158	82.61	7448.0			
1240.000	D TIERRA	0.218	36.89	18505.1	SEST-3	4.474	86.31	7534.3			
	TERRAPLEN	0.483	4.83	5598.8							
1260.000	D TIERRA	0.000	0.57	18505.6	SEST-3	4.505	90.02	7624.3			
	TERRAPLEN	10.050	91.83	5690.6							
1280.000	SEST-3	5.960	98.03	7722.3	TERRAPLEN	38.455	438.34	6128.9			
1300.000	SEST-3	5.310	112.69	7835.0	TERRAPLEN	67.972	1064.27	7193.2			
1320.000	SEST-3	4.717	100.03	7935.1	TERRAPLEN	88.843	1599.12	8792.3			
1340.000	SEST-3	4.542	91.65	8026.7	TERRAPLEN	93.191	1837.83	10630.1			
1360.000	SEST-3	4.468	90.14	8116.8	TERRAPLEN	78.349	1721.37	12351.5			
1380.000	SEST-3	4.469	89.38	8206.2	TERRAPLEN	56.591	1371.10	13722.6			
1385.725	SEST-3	4.469	25.59	8231.8	TERRAPLEN	50.347	305.97	14028.6			

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PROYECTO :

GRUPO : 8 : REPOSICIÓN PATERNA ED2

C. R. S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 63 : CAMINO 0+780 - 1+920 MD (ISPOL63.vol)

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* * * RESUMEN DE VOLUMENES TOTALES * * *

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MATERIAL	VOLUMEN
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D TIERRA	18505.6
SEST-3	8231.8
TERRAPLEN	14028.6

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	D TIERRA	0.771	0.00	0.0	SEST-3	3.395	0.00	0.0
	TERRAPLEN	0.418	0.00	0.0				
20.000	D TIERRA	0.209	3.87	3.9	SEST-3	3.260	67.33	67.3
	TERRAPLEN	0.594	29.59	29.6				
20.452	D TIERRA	0.252	0.10	4.0	SEST-3	3.251	1.47	68.8
	TERRAPLEN	0.481	0.24	29.8				

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* * * RESUMEN DE VOLUMENES TOTALES* * *

=====

MATERIAL	VOLUMEN
D TIERRA	4.0
SEST-3	68.8
TERRAPLEN	29.8

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	SEST-3	3.737	0.00	0.0	TERRAPLEN	6.290	0.00	0.0
20.000	SEST-3	3.513	72.49	72.5	TERRAPLEN	1.995	91.46	91.5
20.564	SEST-3	3.506	1.98	74.5	TERRAPLEN	1.845	1.08	92.5



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* * * RESUMEN DE VOLUMENES TOTALES * * *

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MATERIAL	VOLUMEN
SEST-3	74.5
TERRAPLEN	92.5

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	D TIERRA	10.575	0.00	0.0	SEST-3	4.975	0.00	0.0
20.000	D TIERRA	11.026	217.03	217.0	SEST-3	5.306	105.81	105.8
40.000	D TIERRA	11.954	222.48	439.5	SEST-3	5.339	104.32	210.1
60.000	D TIERRA	9.674	221.09	660.6	SEST-3	5.366	107.84	318.0
80.000	D TIERRA	3.015	123.67	784.3	SEST-3	6.003	114.09	432.1
100.000	D TIERRA	0.267	24.07	808.3	SEST-3	6.132	121.06	553.1
	TERRAPLEN	4.157	26.28	26.3				
120.000	D TIERRA	0.000	2.44	810.8	SEST-3	6.141	123.47	676.6
	TERRAPLEN	8.706	133.01	159.3				
140.000	SEST-3	6.127	122.55	799.1	TERRAPLEN	15.435	239.67	399.0
149.455	SEST-3	6.127	57.93	857.1	TERRAPLEN	15.743	150.48	549.4

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* * * RESUMEN DE VOLUMENES TOTALES* * *

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MATERIAL	VOLUMEN
D TIERRA	810.8
SEST-3	857.1
TERRAPLEN	549.4

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PROYECTO :
GRUPO : 8 : REPOSICIÓN PATERNA ED2
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 67 : EJE 67 (ISPOL67.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	SEST-3	3.537	0.00	0.0	TERRAPLEN	6.938	0.00	0.0
19.873	SEST-3	3.304	67.97	68.0	TERRAPLEN	5.330	137.92	137.9

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PROYECTO :
GRUPO : 8 : REPOSICIÓN PATERNA ED2
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 67 : EJE 67 (ISPOL67.vol)

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* * * RESUMEN DE VOLUMENES TOTALES * * *

=====

MATERIAL	VOLUMEN
SEST-3	68.0
TERRAPLEN	137.9

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	SEST-3	3.737	0.00	0.0	TERRAPLEN	10.208	0.00	0.0
20.000	SEST-3	3.550	72.87	72.9	TERRAPLEN	10.655	217.17	217.2
24.674	SEST-3	3.506	16.49	89.4	TERRAPLEN	11.064	50.75	267.9



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* * * RESUMEN DE VOLUMENES TOTALES * * *

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MATERIAL	VOLUMEN
SEST-3	89.4
TERRAPLEN	267.9

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PROYECTO :
GRUPO : 8 : REPOSICIÓN PATERNA ED2
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 69 : EJE 69 (ISPOL69.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	D TIERRA	3.730	0.00	0.0	SEST-3	3.407	0.00	0.0
20.000	D TIERRA	2.652	70.26	70.3	SEST-3	3.298	67.53	67.5
34.526	D TIERRA	2.144	32.29	102.6	SEST-3	3.233	47.55	115.1
	TERRAPLEN	0.000	0.12	0.1				

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PROYECTO :
GRUPO : 8 : REPOSICIÓN PATERNA ED2
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 69 : EJE 69 (ISPOL69.vol)

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* * * RESUMEN DE VOLUMENES TOTALES* * *

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MATERIAL	VOLUMEN
D TIERRA	102.6
SEST-3	115.1
TERRAPLEN	0.1

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	D TIERRA	0.211	0.00	0.0	SEST-3	3.505	0.00	0.0
	TERRAPLEN	0.362	0.00	0.0				
20.000	D TIERRA	0.003	2.29	2.3	SEST-3	3.368	68.73	68.7
	TERRAPLEN	1.030	15.54	15.5				
33.408	SEST-3	3.276	44.54	113.3	TERRAPLEN	4.078	39.32	54.9

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* * * RESUMEN DE VOLUMENES TOTALES * * *

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MATERIAL	VOLUMEN
D TIERRA	2.3
SEST-3	113.3
TERRAPLEN	54.9

CALZADAS PRINCIPALES																		
Eje	Desbroce (m²)	Volumen de desmonte (m³)										Volumen de terraplén (m3)			Demoliciones (m³)		REFINO	
		Tierra Vegetal	Desmonte total	Desmonte en tierras	Desmonte ripable	Desmonte roca	Suelo sprovechable (Sin coef. de paso)	Suelo inadecuado (Sin coef. de paso)	Volumen de desmonte aprov. (m3). Con coef. de paso + Grado aprovechamiento. Núcleo	Suelo no aprovechable (Con coef. de esponjamiento)	Suelo no aprovechable tolerable (Con coef. de esponjamiento)	S.Seleccionado	S.EST-3 (procedente de cantera)	Nucleo (T)	Fresado	Demolición de firme	Desmonte (m²)	Terraplén (m²)
EJE 1	64.190,54	5.521,80	132.978,60	130.595,20	1.906,72	476,68	100.038,40	32.940,20	98.037,63	32.940,20	34.406,46	17.486,90	17.486,70	68.630,40	628,80	194,30	4.989,00	2.402,10
EJE 2	-	-	23.636,00	23.636,00	-	-	-	23.636,00	-	23.636,00	-	6.299,30	6.305,30	-	1.165,90	659,40	-	-
EJE 10	5.275,29	-	5.070,80	5.070,80	-	-	5.070,80	-	4.969,38	-	5.712,86	1.466,70	1.464,20	86,60	-	-	-	-
FRESADO CALZADA LATERAL DERECHA										-	-				1.013,32		-	-
PASOS DE MEDIANA Y TERCIANA			282,00	282,00				282,00		282,00	-	141,00	141,00					
CONEXIÓN EJE 10 TRAMO A										-	-	132,00	132,00					
TOTAL CALZADAS PRINCIPALES	69.465,83	5.521,80	161.967,40	159.584,00	1.906,72	476,68	105.109,20	56.858,20	103.007,02	56.858,20	40.119,32	25.525,90	25.529,20	68.717,00	2.808,02	853,70	4.989,00	2.402,10

CALZADAS LATERALES																
Eje	Desbroce (m²)	Volumen de desmonte (m³)										Volumen de terraplén (m3)			REFINO	
		Tierra Vegetal	Desmonte total	Desmonte en tierras	Desmonte ripable	Desmonte roca	Suelo sprovechable (Sin coef. de paso)	Suelo inadecuado (Sin coef. de paso)	Volumen de desmonte aprov. (m3). Con coef. de paso + Grado aprovechamiento. Núcleo	Suelo no aprovechable (Con coef. de esponjamiento)	Suelo no aprovechable tolerable (Con coef. de esponjamiento)	S.Seleccionado	S.EST-3 (procedente de cantera)	Nucleo (T)	Desmonte (m²)	Terraplén (m²)
EJE 3	12.218,64	2.939,50	13.526,60	12.867,28	659,32	-	10.564,50	2.962,10	10.353,21	2.962,10	- 48.810,87	3.265,90	3.321,20	52.071,90	1.835,10	5.553,50
EJE 4	24.772,06	9.147,30	46.037,60	41.775,64	3.576,83	685,13	38.174,05	7.863,55	37.410,57	7.863,55	- 6.235,08	6.126,60	7.313,40	42.739,70	3.474,00	4.150,25
EJE 5	2.532,80	395,60	454,80	454,80	-	-	-	454,80	-	454,80	- 11.384,92	756,70	756,30	9.730,70	-	-
EJE 7	4.027,88	-	3.583,80	3.583,80	-	-	-	3.583,80	-	3.583,80	-	1.160,10	1.160,10	-	-	-
EJE 18	22.466,46	1.793,90	28.785,00	19.813,95	7.679,69	1.291,37	28.785,00	-	28.209,30	-	28.541,68	5.446,90	5.344,80	3.814,70	2.248,00	1.810,40
EJE 19	876,46	87,40	1.028,20	553,52	375,12	99,56	1.028,20	-	1.007,64	-	1.178,93	262,00	262,00	-	-	-
TOTAL CALZADAS LATERALES	66.894,30	14.363,70	93.416,00	79.048,99	12.290,96	2.076,06	78.551,75	14.864,25	76.980,72	14.864,25	- 36.710,25	17.018,20	18.157,80	108.357,00	7.557,10	11.514,15

ENLACE CV-35																	
Eje	Desbroce (m²)	Volumen de desmonte (m³)										Volumen de terraplén (m3)			Demoliciones (m³)	REFINO	
		Tierra Vegetal	Desmonte total	Desmonte en tierras	Desmonte ripable	Desmonte roca	Suelo sprovechable (Sin coef. de paso)	Suelo inadecuado (Sin coef. de paso)	Volumen de desmonte aprov. (m3). Con coef. de paso + Grado aprovechamiento. Núcleo	Suelo no aprovechable (Con coef. de esponjamiento)	Suelo no aprovechable tolerable (Con coef. de esponjamiento)	S.Seleccionado	S.EST-3 (procedente de cantera)	Nucleo (T)	Fresado	Desmonte (m²)	Terraplén (m²)
EJE 6	2.783,21	574,70	5.685,60	5.685,60	-	-	5.685,60	-	5.571,89	-	6.508,11	656,40	648,20	9,40		401,10	83,10
EJE 8	5.746,91	-	9.200,60	9.200,60	-	-	1.016,80	8.183,80	996,46	8.183,80	- 17.009,27	1.153,10	1.116,00	15.534,30		20,90	1.975,30
EJE 9	1.180,65	131,70	1.243,50	1.098,30	145,20	-	1.243,50	-	1.218,63	-	1.425,56	342,20	341,60	0,20		11,30	5,10
EJE 17	4.280,42	-	7.961,40	7.961,40	-	-	7,20	7.954,20	7,06	7.954,20	- 19.760,53	734,80	700,70	16.896,40		6,20	2.025,70
EJE 20	11.833,09	1.790,70	77.288,90	49.763,18	23.978,18	3.547,55	76.217,60	1.071,30	74.693,25	1.071,30	87.390,05	2.867,50	2.689,30	0,90		5.737,30	-
EJE 21	1.661,60	232,50	7.116,70	4.706,10	1.854,16	556,44	6.456,20	660,50	6.327,08	660,50	7.402,68	572,00	491,60	-		4,90	-
CONEXIÓN EJE 08 TRAMO A										-	-				278,49		
TOTAL ENLACE CV-35	27.485,88	2.729,60	108.496,70	78.415,18	25.977,54	4.103,99	90.626,90	17.869,80	88.814,36	17.869,80	65.956,60	6.326,00	5.987,40	32.441,20	278,49	6.181,70	4.089,20

REPOSICIÓN DE CARRETERAS Y CAMINOS																	
Eje	Desbroce (m²)	Volumen de desmonte (m³)										Volumen de terraplén (m3)				REFINO	
		Tierra Vegetal	Desmonte total	Desmonte en tierras	Desmonte ripable	Desmonte roca	Suelo sprovechable (Sin coef. de paso)	Suelo inadecuado (Sin coef. de paso)	Volumen de desmonte aprov. (m3). Con coef. de paso + Grado aprovechamiento. Núcleo	Suelo no aprovechable (Con coef. de esponjamiento)	Suelo no aprovechable tolerable (Con coef. de esponjamiento)	S.Seleccionado	S.Adecuado	S.EST-3 (procedente de cantera)	Nucleo (T)	Desmonte (m²)	Terraplén (m²)
EJE 11	8.362,59	-	2.214,00	2.214,00	-	-	2.214,00	-	2.169,72	-	11.729,69	1.075,10		1.179,00	12.195,10	9,10	2.278,50
EJE 12	4.300,32	-	1.068,60	1.068,60	-	-	1.068,60	-	1.047,23	-	49,11	1.194,40			1.089,20	-	1.874,70
EJE 13	1.717,82	-	1.528,60	1.528,60	-	-	1.528,60	-	1.498,03	-	1.741,69	665,30			9,40	60,50	25,20
EJE 14	345,43	-	95,40	95,40	-	-	95,40	-	93,49	-	7,71	86,50			86,90	-	47,60
EJE 15	439,72	-	149,10	149,10	-	-	149,10	-	146,12	-	105,09	109,80			56,30	-	25,90
EJE 16	-	-	147,60	147,60	-	-	147,60	-	144,65	-	169,24	59,90			-	-	-
EJE 46	1.260,77	-	275,70	275,70	-	-	275,70	-	270,19	-	39,21	271,70		-	303,70	13,50	173,90
EJE 47	2.232,93	-	1.069,90	1.069,90	-	-	1.069,90	-	1.048,50	-	1.226,75		567,50	-	-	41,60	-
EJE 31	832,17	-	336,20	336,20	-	-	336,20	-	329,48	-	383,26	362,00			1,90	2,10	41,50
EJE 32	2.331,30	-	4.179,80	4.179,80	-	-	4.179,80	-	4.096,20	-	4.790,80	823,60			1,50	508,40	22,50
EJE 33	1.004,41	-	521,70	521,70	-	-	521,70	-	511,27	-	187,16	376,10			351,30	28,50	159,50
EJE 59	2.061,82	-	301,40	301,40	-	-	301,40	-	295,37	-	702,15	873,40			895,50	-	186,20
EJE 61	331,66	-	154,40	154,40	-	-	154,40	-	151,31	-	177,04	146,20			-	0,40	14,30
EJE 62	347,28	-	118,10	118,10	-	-	118,10	-	115,74	-	114,94	148,20			17,50	-	36,40
EJE 63	23.486,11	-	18.505,60	18.505,60	-	-	18.505,60	-	18.135,49	-	4.805,06	8.231,80			14.028,60	1.584,50	4.338,50
EJE 64	156,98	-	4,00	4,00	-	-	4,00	-	3,92	-	30,28	68,80			29,80	-	12,10
EJE 65	187,65	-	-	-	-	-	-	-	-	-	108,23	74,50			92,50	-	35,40
EJE 66	2.077,58	-	810,80	810,80	-	-	810,80	-	794,58	-	286,87	857,10			549,40	13,80	214,20
EJE 67	175,59	-	-	-	-	-	-	-	-	-	161,34	68,00			137,90	-	37,90
EJE 68	252,33	-	-	-	-	-	-	-	-	-	313,44	89,40			267,90	-	74,60
EJE 69	257,46	-	102,60	102,60	-	-	102,60	-	100,55	-	117,52	115,10			0,10	-	-
EJE 70	276,13	-	2,30	2,30	-	-	2,30	-	2,25	-	61,60	113,30			54,90	-	42,10
TOTAL CAMINOS	52.438,03	-	31.585,80	31.585,80	-	-	31.585,80	-	30.954,08	-	918,08	15.810,20	567,50	1.179,00	30.169,40	2.262,40	9.641,00

BARRANCO TRAVESSAT																
Eje	Desbroce (m²)	Volumen de desmonte (m³)										Volumen de terraplén (m3)		Encauzamiento (m3)		
		Tierra Vegetal	Desmonte total	Desmonte en tierras	Desmonte ripable	Desmonte roca	Suelo sprovechable (Sin coef. de paso)	Suelo inadecuado (Sin coef. de paso)	Volumen de desmonte aprov. (m3). Con coef. de paso + Grado aprovechamiento. Núcleo	Suelo no aprovechable (Con coef. de esponjamiento)	Suelo no aprovechable tolerable (Con coef. de esponjamiento)	Rellenos (M. auxiliares tierras)	Rellenos (M. auxiliares drenaje)	MURO ESCOLLERA	MUROS	LOSA
EJE 22	9.898,41	975,10	48.434,00	38.747,20	9.686,80	-	43.981,40	4.452,60	43.101,77	4.452,60	39.826,30	2.338,20	6.724,00	18.826,60	1.710,10	727,90

BALANCE																			
Eje	Desbroce (m²)	Volumen de desmonte (m³)										Volumen de terraplén (m3)				Demoliciones (m³)		REFINO	
		Tierra Vegetal	Desmonte total	Desmonte en tierras	Desmonte ripable	Desmonte roca	Suelo sprovechable (Sin coef. de paso)	Suelo inadecuado (Sin coef. de paso)	Volumen de desmonte aprov. (m3). Con coef. de paso + Grado aprovechamiento. Núcleo	Suelo no aprovechable (Con coef. de esponjamiento)	Suelo no aprovechable tolerable (Con coef. de esponjamiento)	S.Seleccionado	S.Adecuado	S. EST-3 (procedente de cantera)	Nucleo (T)	Fresado	Demolición de firme	Desmonte (m²)	Terraplén (m²)
CALZADAS PRINCIPALES	69.465,8	5.521,8	161.967,4	159.584,0	1.906,7	476,7	105.109,2	56.858,2	103.007,0	56.858,2	40.119,3	25.525,9	0,0	25.529,2	68.717,0	2.808,0	853,7	4.989,0	2.402,1
CALZADAS LATERALES	66.894,3	14.363,7	93.416,0	79.049,0	12.291,0	2.076,1	78.551,8	14.864,3	76.980,7	14.864,3	-36.710,3	17.018,2	0,0	18.157,8	108.357,0	0,0	0,0	7.557,1	11.514,2
ENLACE CV-35	27.485,9	2.729,6	108.496,7	78.415,2	25.977,5	4.104,0	90.626,9	17.869,8	88.814,4	17.869,8	65.956,6	6.326,0	0,0	5.987,4	32.441,2	278,5	0,0	6.181,7	4.089,2
REPOSICIÓN DE CARRETERAS Y CAMINOS	52.438,0	0,0	31.585,8	31.585,8	0,0	0,0	31.585,8	0,0	30.954,1	0,0	918,1	15.810,2	567,5	1.179,0	30.169,4	0,0	0,0	2.262,4	9.641,0
BARRANCO TRAVESSAT	9.898,4	975,1	48.434,0	38.747,2	9.686,8	0,0	43.981,4	4.452,6	43.101,8	4.452,6	39.826,3	0,0	0,0	0,0	9.062,2	0,0	0,0	0,0	0,0
TOTAL	226.182,4	23.590,2	443.899,9	387.381,2	49.862,0	6.656,7	349.855,1	94.044,9	342.857,9	94.044,9	110.110,0	64.680,3	567,5	50.853,4	248.746,8	3.086,5	853,7	20.990,2	27.646,5

Firmes

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 PROYECTO :
 GRUPO : 0 : CALZADAS PRINCIPALES
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

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SECCIÓN 0031

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	ZAHORRA ART.	3.295	0.00	0.0	ZAHORRA ART. AR	0.863	0.00	0.0
	AC32 BASE 15	1.852	0.00	0.0	AC32 BASE 10	1.400	0.00	0.0
	AC22 BIN	0.961	0.00	0.0	BBTM 11	0.406	0.00	0.0
	Rellenos	1.281	0.00	0.0				
20.000	ZAHORRA ART.	0.903	23.05	23.0	ZAHORRA ART. AR	0.863	17.26	17.3
	AC32 BASE 15	0.418	11.35	11.4	AC32 BASE 10	0.503	11.65	11.7
	AC22 BIN	0.809	15.39	15.4	BBTM 11	0.421	8.27	8.3
	Rellenos	1.114	23.96	24.0				
40.000	ZAHORRA ART.	1.021	19.23	42.3	ZAHORRA ART. AR	0.863	17.26	34.5
	AC32 BASE 15	0.491	9.07	20.4	AC32 BASE 10	0.556	10.32	22.0
	AC22 BIN	0.953	16.84	32.2	BBTM 11	0.437	8.58	16.9
	Rellenos	0.748	18.90	42.9				
60.000	ZAHORRA ART.	1.091	21.09	63.4	ZAHORRA ART. AR	0.849	17.20	51.7
	AC32 BASE 15	0.577	10.55	31.0	AC32 BASE 10	0.590	11.59	33.6
	AC22 BIN	0.993	19.74	52.0	BBTM 11	0.453	8.89	25.7
	Rellenos	0.361	11.07	53.9				
80.000	ZAHORRA ART.	0.358	33.28	96.6	ZAHORRA ART. AR	0.000	14.74	66.5
	AC32 BASE 15	0.181	18.68	49.7	AC32 BASE 10	0.109	15.44	49.0
	AC22 BIN	0.415	18.40	70.4	BBTM 11	0.468	9.21	35.0
	Rellenos	0.058	4.48	58.4				
100.000	ZAHORRA ART.	0.141	4.72	101.4	AC32 BASE 15	0.068	2.34	52.0
	AC32 BASE 10	0.044	1.48	50.5	AC22 BIN	0.151	5.50	75.9
	BBTM 11	0.496	9.65	44.6	Rellenos	0.020	0.66	59.1
120.000	ZAHORRA ART.	0.000	1.15	102.5	ZAHORRA ART. AR	0.281	1.39	67.9
	AC32 BASE 15	0.000	0.56	52.6	AC32 BASE 10	0.069	0.68	51.2
	AC22 BIN	0.053	1.59	77.5	BBTM 11	0.520	10.18	54.8
	Rellenos	0.008	0.34	59.4				
140.000	ZAHORRA ART. AR	0.782	10.72	78.6	AC32 BASE 10	0.195	2.67	53.8
	AC22 BIN	0.262	2.34	79.8	BBTM 11	0.540	10.60	65.4
	Rellenos	0.009	0.16	59.6				
160.000	ZAHORRA ART.	0.031	0.12	102.6	ZAHORRA ART. AR	1.215	20.15	98.7
	AC32 BASE 10	0.310	5.05	58.9	AC22 BIN	0.487	7.61	87.4
	BBTM 11	0.558	10.98	76.4	Rellenos	0.010	0.21	59.8
180.000	ZAHORRA ART.	0.184	2.21	104.8	ZAHORRA ART. AR	1.448	26.65	125.4
	AC32 BASE 15	0.092	0.95	53.5	AC32 BASE 10	0.411	7.34	66.2
	AC22 BIN	0.616	10.21	97.6	BBTM 11	0.564	11.22	87.6
	Rellenos	0.060	0.53	60.3				

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 PROYECTO :
 GRUPO : 0 : CALZADAS PRINCIPALES

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C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

SECCIÓN 0031

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

=====

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
200.000	ZAHORRA ART.	0.314	5.00	109.8	ZAHORRA ART. AR	1.591	30.63	156.0
	AC32 BASE 15	0.170	2.62	56.1	AC32 BASE 10	0.498	8.94	75.2
	AC22 BIN	1.167	17.61	115.2	BBTM 11	0.568	11.31	98.9
	Rellenos	0.216	2.56	62.9				
220.000	ZAHORRA ART.	0.460	7.79	117.6	ZAHORRA ART. AR	1.643	32.35	188.4
	AC32 BASE 15	0.257	4.29	60.4	AC32 BASE 10	0.966	14.37	89.5
	AC22 BIN	1.346	25.84	141.1	BBTM 11	0.571	11.38	110.3
	Rellenos	0.438	6.61	69.5				
240.000	ZAHORRA ART.	0.687	11.18	128.8	ZAHORRA ART. AR	1.643	32.86	221.2
	AC32 BASE 15	0.394	6.33	66.8	AC32 BASE 10	1.220	21.06	110.6
	AC22 BIN	1.373	27.12	168.2	BBTM 11	0.582	11.50	121.8
	Rellenos	0.470	9.65	79.1				
260.000	ZAHORRA ART.	0.987	16.68	145.5	ZAHORRA ART. AR	1.643	32.86	254.1
	AC32 BASE 15	0.574	9.63	76.4	AC32 BASE 10	1.040	22.20	132.8
	AC22 BIN	1.408	27.81	196.0	BBTM 11	0.597	11.79	133.6
	Rellenos	0.472	9.38	88.5				
280.000	ZAHORRA ART.	1.258	22.40	167.9	ZAHORRA ART. AR	1.643	32.86	286.9
	AC32 BASE 15	0.736	13.06	89.4	AC32 BASE 10	1.208	23.21	156.0
	AC22 BIN	1.443	28.52	224.5	BBTM 11	0.613	12.10	145.7
	Rellenos	0.442	9.18	97.7				
300.000	ZAHORRA ART.	1.516	27.77	195.7	ZAHORRA ART. AR	1.643	32.86	319.8
	AC32 BASE 15	0.891	16.29	105.7	AC32 BASE 10	0.969	21.14	177.1
	AC22 BIN	1.254	28.40	252.9	BBTM 11	0.628	12.40	158.1
	Rellenos	0.378	8.28	106.0				
320.000	ZAHORRA ART.	1.762	32.78	228.4	ZAHORRA ART. AR	1.643	32.86	352.7
	AC32 BASE 15	1.038	19.29	125.0	AC32 BASE 10	1.068	20.38	197.5
	AC22 BIN	0.938	21.17	274.1	BBTM 11	0.643	12.70	170.8
	Rellenos	0.287	6.68	112.7				
340.000	ZAHORRA ART.	2.027	37.88	266.3	ZAHORRA ART. AR	1.635	32.83	385.5
	AC32 BASE 15	1.198	22.36	147.4	AC32 BASE 10	1.174	22.42	219.9
	AC22 BIN	0.895	16.68	290.8	BBTM 11	0.659	13.02	183.8
	Rellenos	0.179	4.65	117.3				
360.000	ZAHORRA ART.	2.309	43.36	309.7	ZAHORRA ART. AR	1.580	32.26	417.8
	AC32 BASE 15	1.367	25.65	173.0	AC32 BASE 10	1.287	24.61	244.5
	AC22 BIN	0.893	17.45	308.2	BBTM 11	0.674	13.32	197.1
	Rellenos	0.096	2.68	120.0				

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PROYECTO :

GRUPO : 0 : CALZADAS PRINCIPALES

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

SECCIÓN 0031

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
380.000	ZAHORRA ART.	0.693	14.92	324.6	ZAHORRA ART. AR	0.003	2.31	420.1
	AC32 BASE 15	0.414	8.92	182.0	AC32 BASE 10	0.278	6.51	251.1
	AC22 BIN	0.208	4.59	312.8	BBTM 11	0.360	7.66	204.8
	Rellenos	0.035	0.74	120.7				
400.000	ZAHORRA ART.	0.862	15.34	339.9	ZAHORRA ART. AR	0.034	0.28	420.3
	AC32 BASE 15	0.502	9.07	191.0	AC32 BASE 10	0.350	6.18	257.2
	AC22 BIN	0.269	4.50	317.3	BBTM 11	0.365	7.24	212.0
	Rellenos	0.048	0.76	121.5				
420.000	ZAHORRA ART.	1.040	18.98	358.9	ZAHORRA ART. AR	0.106	1.09	421.4
	AC32 BASE 15	0.605	11.04	202.1	AC32 BASE 10	0.438	7.79	265.0
	AC22 BIN	0.482	9.41	326.7	BBTM 11	0.370	7.33	219.3
	Rellenos	0.063	1.32	122.8				
440.000	ZAHORRA ART.	1.239	22.81	381.7	ZAHORRA ART. AR	0.271	3.90	425.3
	AC32 BASE 15	0.725	13.31	215.4	AC32 BASE 10	0.559	10.02	275.0
	AC22 BIN	0.405	8.43	335.2	BBTM 11	0.383	7.55	226.9
	Rellenos	0.044	1.10	123.9				
460.000	ZAHORRA ART.	1.481	27.16	408.9	ZAHORRA ART. AR	0.512	7.72	433.1
	AC32 BASE 15	0.870	15.92	231.3	AC32 BASE 10	0.717	12.71	287.8
	AC22 BIN	0.502	9.03	344.2	BBTM 11	0.401	7.83	234.7
	Rellenos	0.038	0.81	124.7				
480.000	ZAHORRA ART.	1.748	32.26	441.1	ZAHORRA ART. AR	0.845	13.81	446.9
	AC32 BASE 15	1.031	18.98	250.3	AC32 BASE 10	0.905	16.27	304.0
	AC22 BIN	0.680	11.59	355.8	BBTM 11	0.426	8.29	243.0
	Rellenos	0.041	0.77	125.5				
500.000	ZAHORRA ART.	2.041	37.85	479.0	ZAHORRA ART. AR	1.055	19.12	466.0
	AC32 BASE 15	1.207	22.34	272.6	AC32 BASE 10	1.073	19.80	323.8
	AC22 BIN	0.768	14.70	370.5	BBTM 11	0.436	8.65	251.6
	Rellenos	0.058	0.92	126.4				
520.000	ZAHORRA ART.	2.323	43.65	522.6	ZAHORRA ART. AR	1.213	22.82	488.8
	AC32 BASE 15	1.375	25.82	298.4	AC32 BASE 10	1.192	22.71	346.5
	AC22 BIN	0.945	17.21	387.7	BBTM 11	0.436	8.72	260.4
	Rellenos	0.176	2.16	128.5				
540.000	ZAHORRA ART.	3.299	51.21	573.8	ZAHORRA ART. AR	1.258	24.80	513.6
	AC32 BASE 15	1.852	30.06	328.5	AC32 BASE 10	1.501	25.78	372.3
	AC22 BIN	1.031	20.18	407.9	BBTM 11	0.436	8.71	269.1
	Rellenos	0.913	7.38	135.9				



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PROYECTO :

GRUPO : 0 : CALZADAS PRINCIPALES

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
560.000	SUELOCEMENTO	3.937	9.84	9.8	ZAHORRA ART. AR	0.754	1.89	515.5
	SUELO CEMENTO A	0.576	1.44	1.4	AC32 BASE 15	1.830	4.57	333.1
	AC22 BIN	1.031	2.58	410.4	BBTM 11	0.436	1.09	270.2
	Rellenos	1.078	2.69	138.6				
580.000	SUELOCEMENTO	3.937	78.75	88.6	ZAHORRA ART. AR	0.756	15.10	530.6
	SUELO CEMENTO A	0.575	11.51	13.0	AC32 BASE 15	1.830	36.59	369.7
	AC22 BIN	1.031	20.63	431.1	BBTM 11	0.436	8.71	278.9
	Rellenos	1.175	22.82	161.4				
600.000	SUELOCEMENTO	3.936	78.73	167.3	ZAHORRA ART. AR	0.757	15.12	545.7
	SUELO CEMENTO A	0.575	11.51	24.5	AC32 BASE 15	1.830	36.59	406.3
	AC22 BIN	1.031	20.62	451.7	BBTM 11	0.436	8.72	287.6
	Rellenos	1.202	23.82	185.3				
620.000	SUELOCEMENTO	3.935	78.71	246.0	ZAHORRA ART. AR	0.758	15.15	560.9
	SUELO CEMENTO A	0.576	11.51	36.0	AC32 BASE 15	1.830	36.60	442.9
	AC22 BIN	1.031	20.62	472.3	BBTM 11	0.436	8.72	296.3
	Rellenos	1.190	23.98	209.2				
640.000	SUELOCEMENTO	3.922	78.57	324.6	ZAHORRA ART. AR	0.775	15.33	576.2
	SUELO CEMENTO A	0.575	11.51	47.5	AC32 BASE 15	1.830	36.59	479.4
	AC22 BIN	1.031	20.62	492.9	BBTM 11	0.436	8.72	305.0
	Rellenos	1.173	23.56	232.8				
660.000	SUELOCEMENTO	3.909	78.31	402.9	ZAHORRA ART. AR	0.793	15.68	591.9
	SUELO CEMENTO A	0.575	11.50	59.0	AC32 BASE 15	1.830	36.59	516.0
	AC22 BIN	1.031	20.62	513.6	BBTM 11	0.436	8.72	313.8
	Rellenos	1.156	23.34	256.1				
680.000	SUELOCEMENTO	3.896	78.06	481.0	ZAHORRA ART. AR	0.810	16.03	607.9
	SUELO CEMENTO A	0.575	11.50	70.5	AC32 BASE 15	1.830	36.60	552.6
	AC22 BIN	1.031	20.62	534.2	BBTM 11	0.436	8.72	322.5
	Rellenos	1.176	23.17	279.3				
700.000	SUELOCEMENTO	3.884	77.80	558.8	ZAHORRA ART. AR	0.828	16.38	624.3
	SUELO CEMENTO A	0.575	11.50	82.0	AC32 BASE 15	1.830	36.60	589.2
	AC22 BIN	1.031	20.62	554.8	BBTM 11	0.436	8.72	331.2
	Rellenos	1.191	23.73	303.0				
720.000	SUELOCEMENTO	3.884	77.68	636.5	ZAHORRA ART. AR	0.828	16.56	640.8

SUELO CEMENTO A	0.575	11.50	93.5	AC32 BASE 15	1.830	36.59	625.8
AC22 BIN	1.031	20.62	575.4	BBTM 11	0.436	8.72	339.9
Rellenos	1.165	23.62	326.7				



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PROYECTO :
 GRUPO : 0 : CALZADAS PRINCIPALES
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

SECCIÓN 0032

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
740.000	SUELOCEMENTO	3.884	77.67	714.1	ZAHORRA ART. AR	0.828	16.56	657.4
	SUELO CEMENTO A	0.575	11.50	105.0	AC32 BASE 15	1.830	36.59	662.4
	AC22 BIN	1.031	20.62	596.1	BBTM 11	0.436	8.72	348.6
	Rellenos	1.158	22.92	349.6				
760.000	SUELOCEMENTO	3.884	77.67	791.8	ZAHORRA ART. AR	0.828	16.56	674.0
	SUELO CEMENTO A	0.575	11.50	116.5	AC32 BASE 15	1.830	36.59	699.0
	AC22 BIN	1.031	20.62	616.7	BBTM 11	0.436	8.72	357.3
	Rellenos	1.583	29.98	379.6				
780.000	SUELOCEMENTO	3.884	77.67	869.5	ZAHORRA ART. AR	0.828	16.56	690.5
	SUELO CEMENTO A	0.575	11.50	128.0	AC32 BASE 15	1.830	36.59	735.6
	AC22 BIN	1.031	20.62	637.3	BBTM 11	0.436	8.72	366.1
	Rellenos	1.637	32.26	411.8				
800.000	SUELOCEMENTO	3.884	77.68	947.1	ZAHORRA ART. AR	0.828	16.56	707.1
	SUELO CEMENTO A	0.575	11.50	139.5	AC32 BASE 15	1.830	36.59	772.2
	AC22 BIN	1.031	20.62	657.9	BBTM 11	0.436	8.72	374.8
	Rellenos	1.611	33.19	445.0				
820.000	SUELOCEMENTO	3.989	78.73	1025.9	ZAHORRA ART. AR	0.774	16.02	723.1
	SUELO CEMENTO A	0.575	11.50	151.0	AC32 BASE 15	1.886	37.15	809.4
	AC22 BIN	1.057	20.88	678.8	BBTM 11	0.447	8.83	383.6
	Rellenos	0.832	24.43	469.4				
840.000	SUELOCEMENTO	4.091	80.81	1106.7	ZAHORRA ART. AR	0.434	11.76	734.9
	SUELO CEMENTO A	0.400	9.92	160.9	AC32 BASE 15	1.942	38.28	847.6
	AC22 BIN	1.039	21.10	699.9	BBTM 11	0.442	8.95	392.6
	Rellenos	0.671	14.54	484.0				
860.000	SUELOCEMENTO	4.218	83.07	1189.8	ZAHORRA ART. AR	0.113	5.49	740.3
	SUELO CEMENTO A	0.150	5.56	166.5	AC32 BASE 15	2.009	39.52	887.2
	AC22 BIN	0.983	20.23	720.1	BBTM 11	0.418	8.61	401.2
	Rellenos	0.490	11.70	495.7				
880.000	SUELOCEMENTO	4.333	85.62	1275.4	ZAHORRA ART. AR	0.001	0.67	741.0
	SUELO CEMENTO A	0.043	1.65	168.1	AC32 BASE 15	2.077	40.87	928.0
	AC22 BIN	0.977	19.49	739.6	BBTM 11	0.416	8.29	409.5
	Rellenos	0.496	10.04	505.7				
900.000	SUELOCEMENTO	4.370	87.07	1362.5	SUELO CEMENTO A	0.012	0.54	168.7
	AC32 BASE 15	2.122	41.99	970.0	AC22 BIN	0.985	19.62	759.2
	BBTM 11	0.419	8.35	417.8	Rellenos	0.452	9.63	515.3
920.000	SUELOCEMENTO	4.433	87.94	1450.4	SUELO CEMENTO A	0.012	0.24	168.9
	AC32 BASE 15	2.153	42.71	1012.7	AC22 BIN	0.999	19.82	779.1

BBTM 11 0.425 8.43 426.3 Rellenos 0.491 9.63 525.0
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 PROYECTO :
 GRUPO : 0 : CALZADAS PRINCIPALES
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

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SECCIÓN 0032

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 * * * MEDICIONES DE LOS PERFILES TRANSVERSALES * * *
 * * * CAPAS DE FIRME * * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
940.000	SUELO CEMENTO A	6.678	111.12	1561.5	ZAHORRA ART. AR	0.846	8.46	749.5
	AC22 BIN	0.575	5.87	174.8	AC32 BASE 15	3.239	53.93	1066.7
	Rellenos	1.689	26.89	806.0	BBTM 11	0.718	11.43	437.7
960.000	SUELO CEMENTO A	1.169	16.60	541.6	ZAHORRA ART. AR	0.846	16.91	766.4
	AC22 BIN	6.723	134.02	1695.5	AC32 BASE 15	3.262	65.01	1131.7
	Rellenos	0.575	11.49	186.3	BBTM 11	0.723	14.41	452.1
980.000	SUELO CEMENTO A	1.700	33.89	839.9	ZAHORRA ART. AR	0.846	16.91	783.3
	AC22 BIN	1.159	22.96	564.5	AC32 BASE 15	3.239	65.01	1196.7
	Rellenos	6.679	134.02	1829.5	BBTM 11	0.718	14.41	466.5
1000.000	SUELO CEMENTO A	0.575	11.49	197.8	ZAHORRA ART. AR	0.846	16.91	800.2
	AC22 BIN	1.689	33.89	873.7	AC32 BASE 15	3.216	64.56	1261.2
	Rellenos	1.318	24.74	589.3	BBTM 11	0.714	14.32	480.8
1020.000	SUELO CEMENTO A	6.634	133.12	1962.7	ZAHORRA ART. AR	0.846	16.91	817.1
	AC22 BIN	0.575	11.50	209.3	AC32 BASE 15	3.171	63.88	1325.1
	Rellenos	1.679	33.68	907.4	BBTM 11	0.705	14.18	495.0
1040.000	SUELO CEMENTO A	1.398	27.33	616.6	ZAHORRA ART. AR	0.846	16.91	834.0
	AC22 BIN	6.544	131.77	2094.4	AC32 BASE 15	3.127	62.99	1388.1
	Rellenos	0.575	11.50	220.8	BBTM 11	0.695	14.00	509.0
1060.000	SUELO CEMENTO A	1.658	33.37	940.8	ZAHORRA ART. AR	0.846	16.92	851.0
	AC22 BIN	1.488	29.04	645.6	AC32 BASE 15	3.127	62.54	1450.7
	Rellenos	6.454	129.96	2224.4	BBTM 11	0.695	13.90	522.9
1080.000	SUELO CEMENTO A	0.575	11.50	232.3	ZAHORRA ART. AR	0.846	16.92	867.9
	AC22 BIN	1.637	32.95	973.7	AC32 BASE 15	3.127	62.55	1513.2
	Rellenos	1.418	29.30	674.9	BBTM 11	0.695	13.90	536.8
1100.000	SUELO CEMENTO A	6.461	129.16	2353.6	ZAHORRA ART. AR	0.846	16.92	884.8
	AC22 BIN	0.575	11.50	243.8	AC32 BASE 15	3.079	62.06	1575.3
	Rellenos	1.637	32.74	1006.5	BBTM 11	0.685	13.81	550.6
	Rellenos	1.277	26.77	701.7				
	Rellenos	1.129	23.88	725.6				
	Rellenos	1.178	23.21	748.8				

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 PROYECTO :

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GRUPO : 0 : CALZADAS PRINCIPALES
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

SECCIÓN 0032

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1120.000	SUELO CEMENTO A	6.266	126.30	2737.3	ZAHORRA ART. AR	0.846	16.92	901.7
	AC22 BIN	0.575	11.50	278.3	AC32 BASE 15	3.030	61.08	1636.3
	Rellenos	1.592	32.05	1103.8	BBTM 11	0.676	13.61	564.2
1140.000	SUELO CEMENTO A	1.289	24.42	773.2	ZAHORRA ART. AR	0.846	16.92	918.6
	AC22 BIN	6.266	125.32	2862.7	AC32 BASE 15	3.029	60.59	1696.9
	Rellenos	0.576	11.50	289.8	BBTM 11	0.676	13.51	577.7
1160.000	SUELO CEMENTO A	1.592	31.84	1135.6	ZAHORRA ART. AR	0.846	16.92	935.6
	AC22 BIN	1.268	25.46	798.7	AC32 BASE 15	3.029	60.59	1757.5
	Rellenos	6.266	125.32	2988.0	BBTM 11	0.676	13.51	591.2
1180.000	SUELO CEMENTO A	0.575	11.50	301.3	ZAHORRA ART. AR	0.846	16.92	952.5
	AC22 BIN	1.592	31.84	1167.5	AC32 BASE 15	3.029	60.59	1818.1
	Rellenos	1.213	24.95	823.6	BBTM 11	0.676	13.51	604.8
1200.000	SUELO CEMENTO A	1.176	23.66	847.3	ZAHORRA ART. AR	0.846	16.92	969.4
	AC22 BIN	6.266	125.32	3238.6	AC32 BASE 15	3.029	60.59	1878.7
	Rellenos	0.575	11.50	324.3	BBTM 11	0.676	13.51	618.3
1220.000	SUELO CEMENTO A	1.119	23.08	870.4	ZAHORRA ART. AR	0.846	16.92	986.3
	AC22 BIN	6.266	125.32	3363.9	AC32 BASE 15	3.030	60.59	1939.3
	Rellenos	0.576	11.50	335.8	BBTM 11	0.676	13.51	631.8
1240.000	SUELO CEMENTO A	1.591	31.83	1263.0	ZAHORRA ART. AR	0.846	16.92	1003.3
	AC22 BIN	1.136	22.47	892.9	AC32 BASE 15	3.030	60.60	1999.9
	Rellenos	6.266	125.32	3489.3	BBTM 11	0.676	13.51	645.3
1260.000	SUELO CEMENTO A	0.576	11.50	347.3	ZAHORRA ART. AR	0.846	16.92	1020.2
	AC22 BIN	1.591	31.83	1326.6	AC32 BASE 15	3.030	60.60	2060.5
	Rellenos	1.221	23.70	916.5	BBTM 11	0.676	13.51	658.8
1280.000	SUELO CEMENTO A	6.266	125.32	3739.9	ZAHORRA ART. AR	0.846	16.92	1037.1
	AC22 BIN	0.575	11.50	370.3	AC32 BASE 15	3.030	60.60	2121.1
	Rellenos	1.592	31.83	1358.4	BBTM 11	0.676	13.51	672.3
		1.232	24.28	965.1				



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PROYECTO :
 GRUPO : 0 : CALZADAS PRINCIPALES
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

SECCIÓN 0032

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1300.000	SUELO CEMENTO A	6.266	125.32	3865.2	ZAHORRA ART. AR	0.846	16.92	1054.0
	AC22 BIN	0.575	11.50	381.8	AC32 BASE 15	3.030	60.59	2181.7
	Rellenos	1.592	31.84	1390.3	BBTM 11	0.676	13.51	685.8
1320.000	SUELO CEMENTO A	1.245	24.76	989.9				
	AC22 BIN	6.266	125.32	3990.6	ZAHORRA ART. AR	0.846	16.92	1070.9
	Rellenos	0.575	11.50	393.3	AC32 BASE 15	3.030	60.59	2242.3
		1.592	31.84	1422.1	BBTM 11	0.676	13.51	699.3
1340.000	SUELO CEMENTO A	1.199	24.57	1014.5				
	AC22 BIN	6.266	125.32	4115.9	ZAHORRA ART. AR	0.846	16.92	1087.9
	Rellenos	0.575	11.50	404.8	AC32 BASE 15	3.030	60.59	2302.9
		1.592	31.84	1454.0	BBTM 11	0.676	13.51	712.9
1360.000	SUELO CEMENTO A	1.220	24.19	1038.6				
	AC22 BIN	6.266	125.32	4241.2	ZAHORRA ART. AR	0.846	16.92	1104.8
	Rellenos	0.575	11.50	416.3	AC32 BASE 15	3.030	60.59	2363.5
		1.592	31.84	1485.8	BBTM 11	0.676	13.51	726.4
1380.000	SUELO CEMENTO A	1.284	24.61	1063.2				
	AC22 BIN	6.266	125.32	4366.5	ZAHORRA ART. AR	0.846	16.92	1121.7
	Rellenos	0.575	11.50	427.8	AC32 BASE 15	3.030	60.60	2424.0
		1.592	31.83	1517.6	BBTM 11	0.676	13.51	739.9
1400.000	SUELO CEMENTO A	1.392	26.90	1090.1				
	AC22 BIN	6.266	125.33	4491.9	ZAHORRA ART. AR	0.846	16.92	1138.6
	Rellenos	0.575	11.50	439.3	AC32 BASE 15	3.030	60.60	2484.6
		1.592	31.83	1549.5	BBTM 11	0.676	13.51	753.4
1420.000	SUELO CEMENTO A	1.424	28.28	1118.4				
	AC22 BIN	6.236	125.03	4616.9	ZAHORRA ART. AR	0.846	16.92	1155.5
	Rellenos	0.575	11.50	450.8	AC32 BASE 15	3.015	60.45	2545.1
		1.585	31.76	1581.2	BBTM 11	0.672	13.48	766.9
1440.000	SUELO CEMENTO A	1.525	29.13	1147.5				
	AC22 BIN	6.206	124.43	4741.3	ZAHORRA ART. AR	0.846	16.92	1172.5
	Rellenos	0.576	11.50	462.3	AC32 BASE 15	2.999	60.14	2605.2
		1.578	31.62	1612.8	BBTM 11	0.670	13.42	780.3
1460.000	SUELO CEMENTO A	1.637	31.73	1179.3				
	AC22 BIN	5.036	112.42	4853.7	ZAHORRA ART. AR	0.000	8.46	1180.9
	Rellenos	0.012	5.88	468.2	AC32 BASE 15	2.451	54.50	2659.7
		1.139	27.16	1640.0	BBTM 11	0.485	11.54	791.8
		0.975	26.11	1205.4				



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PROYECTO :

GRUPO : 0 : CALZADAS PRINCIPALES

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1480.000	SUELO CEMENTO A	4.981	100.09	4953.8	SUELO CEMENTO A	0.012	0.25	468.4
	AC32 BASE 15	2.424	48.71	2708.4	AC22 BIN	1.126	22.63	1662.6
	BBTM 11	0.479	9.63	801.5	Rellenos	0.914	18.98	1224.4
1500.000	SUELO CEMENTO A	5.017	99.79	5053.6	SUELO CEMENTO A	0.024	0.28	468.7
	AC32 BASE 15	2.429	48.53	2757.0	AC22 BIN	1.134	22.56	1685.2
	BBTM 11	0.483	9.60	811.1	Rellenos	0.932	18.14	1242.5
1520.000	SUELO CEMENTO A	5.034	100.71	5154.3	ZAHORRA ART. AR	0.047	0.28	1181.2
	SUELO CEMENTO A	0.097	1.19	469.9	AC32 BASE 15	2.411	48.41	2805.4
	AC22 BIN	1.151	22.85	1708.0	BBTM 11	0.491	9.73	820.8
	Rellenos	0.972	19.11	1261.6				
1540.000	SUELO CEMENTO A	5.003	100.38	5254.7	ZAHORRA ART. AR	0.141	1.92	1183.1
	SUELO CEMENTO A	0.173	2.73	472.6	AC32 BASE 15	2.393	48.04	2853.4
	AC22 BIN	1.169	23.22	1731.2	BBTM 11	0.498	9.89	830.7
	Rellenos	0.972	19.48	1281.1				
1560.000	SUELO CEMENTO A	4.971	99.74	5354.4	ZAHORRA ART. AR	0.283	3.99	1187.1
	SUELO CEMENTO A	0.286	4.38	477.0	AC32 BASE 15	2.373	47.66	2901.1
	AC22 BIN	1.200	23.62	1754.9	BBTM 11	0.511	10.06	840.8
	Rellenos	0.952	19.25	1300.4				
1580.000	SUELO CEMENTO A	4.934	99.05	5453.5	ZAHORRA ART. AR	0.526	8.06	1195.2
	SUELO CEMENTO A	0.465	7.55	484.5	AC32 BASE 15	2.355	47.28	2948.3
	AC22 BIN	1.254	24.55	1779.4	BBTM 11	0.534	10.46	851.2
	Rellenos	0.922	18.72	1319.1				
1600.000	SUELO CEMENTO A	4.934	98.67	5552.2	ZAHORRA ART. AR	0.774	13.23	1208.4
	SUELO CEMENTO A	0.575	10.73	495.3	AC32 BASE 15	2.355	47.09	2995.4
	AC22 BIN	1.276	25.42	1804.8	BBTM 11	0.541	10.80	862.0
	Rellenos	0.962	18.50	1337.6				
1620.000	SUELO CEMENTO A	4.934	98.67	5650.8	ZAHORRA ART. AR	0.828	16.34	1224.7
	SUELO CEMENTO A	0.575	11.50	506.8	AC32 BASE 15	2.355	47.09	3042.5
	AC22 BIN	1.276	25.52	1830.4	BBTM 11	0.541	10.82	872.8
	Rellenos	1.351	22.46	1360.0				
1640.000	SUELO CEMENTO A	4.934	98.67	5749.5	ZAHORRA ART. AR	0.828	16.56	1241.3
	SUELO CEMENTO A	0.575	11.50	518.3	AC32 BASE 15	2.355	47.09	3089.6
	AC22 BIN	1.276	25.52	1855.9	BBTM 11	0.541	10.82	883.6
	Rellenos	1.375	26.90	1386.9				
1660.000	SUELO CEMENTO A	4.934	98.67	5848.2	ZAHORRA ART. AR	0.828	16.56	1257.9
	SUELO CEMENTO A	0.575	11.50	529.8	AC32 BASE 15	2.355	47.09	3136.7
	AC22 BIN	1.276	25.52	1881.4	BBTM 11	0.541	10.82	894.5
	Rellenos	1.483	28.59	1415.5				

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PROYECTO :
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EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES * * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1680.000	SUELO CEMENTO	4.935	98.68	5946.9	ZAHORRA ART. AR	0.828	16.56	1274.4
	SUELO CEMENTO A	0.575	11.50	541.3	AC32 BASE 15	2.355	47.09	3183.8
	AC22 BIN	1.276	25.52	1906.9	BBTM 11	0.541	10.82	905.3
	Rellenos	1.521	29.73	1445.2				
1700.000	SUELO CEMENTO	4.934	98.69	6045.5	ZAHORRA ART. AR	0.828	16.56	1291.0
	SUELO CEMENTO A	0.575	11.50	552.8	AC32 BASE 15	2.355	47.09	3230.9
	AC22 BIN	1.276	25.52	1932.5	BBTM 11	0.541	10.82	916.1
	Rellenos	1.681	32.03	1477.3				
1720.000	SUELO CEMENTO	4.934	98.67	6144.2	ZAHORRA ART. AR	0.828	16.56	1307.5
	SUELO CEMENTO A	0.575	11.50	564.3	AC32 BASE 15	2.355	47.09	3278.0
	AC22 BIN	1.276	25.52	1958.0	BBTM 11	0.541	10.82	926.9
	Rellenos	1.795	34.79	1512.1				



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PROYECTO :
GRUPO : 0 : CALZADAS PRINCIPALES
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1740.000	SUELO CEMENTO	4.934	12.33	6156.6	ZAHORRA ART. AR	0.828	2.07	1309.6
	SUELO CEMENTO A	0.575	1.44	565.7	AC32 BASE 15	2.355	5.89	3283.9
	AC22 BIN	1.276	3.19	1961.2	BBTM 11	0.541	1.35	928.3
	Rellenos	1.898	4.75	1516.8				
1760.000	SUELO CEMENTO	4.934	98.67	6255.2	ZAHORRA ART. AR	0.814	16.41	1326.0
	SUELO CEMENTO A	0.575	11.50	577.2	AC32 BASE 15	2.355	47.09	3331.0
	AC22 BIN	1.276	25.52	1986.7	BBTM 11	0.541	10.82	939.1
	132 ZA	7.216	76.74	76.7	132 SC	3.089	32.86	32.9
	132 SC ARCEN	0.281	2.98	3.0	132 AC32 BASE	1.224	13.02	13.0
	132 AC22 BIN	1.031	10.96	11.0	132 BBTM	0.436	4.63	4.6
	Rellenos	5.177	72.99	1589.8				
1780.000	SUELO CEMENTO	4.934	98.67	6353.9	ZAHORRA ART. AR	0.814	16.27	1342.3
	SUELO CEMENTO A	0.575	11.50	588.7	AC32 BASE 15	2.355	47.09	3378.1
	AC22 BIN	1.276	25.52	2012.2	BBTM 11	0.541	10.82	949.9
	132 ZA	7.216	144.32	221.1	132 SC	3.089	61.79	94.6
	132 SC ARCEN	0.281	5.61	8.6	132 AC32 BASE	1.224	24.48	37.5
	132 AC22 BIN	1.031	20.62	31.6	132 BBTM	0.436	8.72	13.4
	Rellenos	4.692	101.67	1691.5				
1800.000	SUELO CEMENTO	4.934	98.67	6452.6	ZAHORRA ART. AR	0.814	16.27	1358.6
	SUELO CEMENTO A	0.575	11.50	600.2	AC32 BASE 15	2.355	47.09	3425.2
	AC22 BIN	1.276	25.52	2037.7	BBTM 11	0.541	10.82	960.7
	132 ZA	7.216	144.32	365.4	132 SC	3.089	61.79	156.4
	132 SC ARCEN	0.281	5.61	14.2	132 AC32 BASE	1.224	24.48	62.0
	132 AC22 BIN	1.031	20.62	52.2	132 BBTM	0.436	8.73	22.1
	Rellenos	4.845	96.52	1788.0				

1820.000	SUELOCEMENTO	4.934	98.67	6551.2	ZAHORRA ART. AR	0.814	16.27	1374.8
	SUELO CEMENTO A	0.575	11.50	611.7	AC32 BASE 15	2.355	47.09	3472.3
	AC22 BIN	1.276	25.52	2063.3	BBTM 11	0.541	10.82	971.5
	132 ZA	7.216	144.32	509.7	132 SC	3.089	61.79	218.2
	132 SC ARCEN	0.281	5.61	19.8	132 AC32 BASE	1.224	24.48	86.5
	132 AC22 BIN	1.031	20.62	72.8	132 BBTM	0.436	8.73	30.8
	Rellenos	4.680	92.80	1880.8				



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PROYECTO :
GRUPO : 0 : CALZADAS PRINCIPALES
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1840.000	SUELOCEMENTO	4.934	98.68	6649.9	ZAHORRA ART. AR	0.814	16.27	1391.1
	SUELO CEMENTO A	0.575	11.50	623.2	AC32 BASE 15	2.355	47.09	3519.4
	AC22 BIN	1.276	25.52	2088.8	BBTM 11	0.541	10.82	982.4
	132 ZA	7.217	144.33	654.0	132 SC	3.089	61.79	280.0
	132 SC ARCEN	0.281	5.61	25.4	132 AC32 BASE	1.224	24.48	110.9
	132 AC22 BIN	1.031	20.62	93.4	132 BBTM	0.436	8.73	39.5
	Rellenos	4.588	92.28	1973.1				
1860.000	SUELOCEMENTO	4.934	98.67	6748.6	ZAHORRA ART. AR	0.814	16.27	1407.4
	SUELO CEMENTO A	0.575	11.50	634.7	AC32 BASE 15	2.355	47.09	3566.4
	AC22 BIN	1.276	25.52	2114.3	BBTM 11	0.541	10.82	993.2
	132 ZA	7.216	144.32	798.3	132 SC	3.089	61.79	341.8
	132 SC ARCEN	0.281	5.61	31.0	132 AC32 BASE	1.224	24.48	135.4
	132 AC22 BIN	1.031	20.62	114.1	132 BBTM	0.436	8.71	48.3
	Rellenos	4.163	89.16	2062.2				
1880.000	SUELOCEMENTO	4.934	98.67	6847.3	ZAHORRA ART. AR	0.814	16.27	1423.7
	SUELO CEMENTO A	0.575	11.50	646.3	AC32 BASE 15	2.355	47.09	3613.5
	AC22 BIN	1.276	25.52	2139.8	BBTM 11	0.541	10.82	1004.0
	132 ZA	7.216	144.32	942.7	132 SC	3.089	61.79	403.6
	132 SC ARCEN	0.281	5.61	36.7	132 AC32 BASE	1.224	24.48	159.9
	132 AC22 BIN	1.031	20.62	134.7	132 BBTM	0.436	8.72	57.0
	Rellenos	4.509	84.77	2147.0				
1900.000	SUELOCEMENTO	4.817	97.80	6945.1	ZAHORRA ART. AR	0.814	16.27	1439.9
	SUELO CEMENTO A	0.575	11.50	657.8	AC32 BASE 15	2.296	46.66	3660.2
	AC22 BIN	1.249	25.32	2165.1	BBTM 11	0.529	10.73	1014.7
	132 ZA	7.217	140.60	1083.3	132 SC	3.089	61.46	465.0
	132 SC ARCEN	0.280	5.51	42.2	132 AC32 BASE	1.225	24.49	184.4
	132 AC22 BIN	1.031	20.61	155.3	132 BBTM	0.436	8.72	65.7
	Rellenos	4.250	82.55	2229.5				
1920.000	SUELOCEMENTO	4.661	94.78	7039.8	ZAHORRA ART. AR	0.813	16.27	1456.2
	SUELO CEMENTO A	0.575	11.50	669.3	AC32 BASE 15	2.218	45.15	3705.3
	AC22 BIN	1.213	24.61	2189.8	BBTM 11	0.514	10.43	1025.2
	132 ZA	7.216	144.33	1227.6	132 SC	3.089	61.79	526.8
	132 SC ARCEN	0.280	5.60	47.8	132 AC32 BASE	1.224	24.49	208.9

132 AC22 BIN	1.031	20.62	175.9	132 BBTM	0.436	8.72	74.4
Rellenos	4.384	86.78	2316.3				



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PROYECTO :
 GRUPO : 0 : CALZADAS PRINCIPALES
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

SECCIÓN 0032 + 132

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
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1940.000	SUELO CEMENTO A	0.575	11.50	680.8	AC32 BASE 15	2.141	43.59	3748.9
	AC22 BIN	1.176	23.89	2213.6	BBTM 11	0.498	10.12	1035.3
	132 ZA	7.216	144.33	1371.9	132 SC	3.089	61.79	588.6
	132 SC ARCEN	0.281	5.61	53.4	132 AC32 BASE	1.224	24.48	233.4
	132 AC22 BIN	1.031	20.62	196.5	132 BBTM	0.436	8.72	83.1
	Rellenos	4.295	86.93	2403.3				
1960.000	SUELO CEMENTO A	0.575	11.50	692.3	AC32 BASE 15	2.063	42.04	3791.0
	AC22 BIN	1.140	23.16	2236.8	BBTM 11	0.483	9.81	1045.1
	132 ZA	7.217	144.32	1516.3	132 SC	3.089	61.79	650.4
	132 SC ARCEN	0.280	5.61	59.0	132 AC32 BASE	1.224	24.48	257.9
	132 AC22 BIN	1.032	20.62	217.1	132 BBTM	0.435	8.72	91.8
	Rellenos	4.130	84.44	2487.7				
1980.000	SUELO CEMENTO A	0.575	11.50	703.8	AC32 BASE 15	1.985	40.48	3831.5
	AC22 BIN	1.104	22.44	2259.2	BBTM 11	0.467	9.50	1054.6
	132 ZA	7.204	144.30	1660.5	132 SC	3.090	61.79	712.2
	132 SC ARCEN	0.280	5.60	64.6	132 AC32 BASE	1.224	24.49	282.3
	132 AC22 BIN	1.031	20.62	237.8	132 BBTM	0.440	8.72	100.6
	Rellenos	3.906	80.18	2567.9				
2000.000	SUELO CEMENTO A	0.575	11.50	715.3	AC32 BASE 15	1.907	38.93	3870.4
	AC22 BIN	1.068	21.71	2281.0	BBTM 11	0.451	9.18	1063.8
	132 ZA	4.771	119.67	1780.2	132 SC	3.090	61.80	774.0
	132 SC ARCEN	0.281	5.61	70.2	132 AC32 BASE	1.224	24.49	306.8
	132 AC22 BIN	1.031	20.62	258.4	132 BBTM	0.726	13.34	113.9
	Rellenos	4.411	81.62	2649.5				
2020.000	SUELO CEMENTO A	0.575	11.50	726.8	AC32 BASE 15	1.830	37.37	3907.8
	AC22 BIN	1.031	20.98	2301.9	BBTM 11	0.436	8.87	1072.6
	132 ZA	2.627	71.91	1852.1	132 SC	3.090	61.80	835.8
	132 SC ARCEN	0.280	5.61	75.8	132 AC32 BASE	1.225	24.49	331.3
	132 AC22 BIN	1.031	20.62	279.0	132 BBTM	0.726	14.50	128.4
	Rellenos	5.083	95.62	2745.1				



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PROYECTO :

GRUPO : 0 : CALZADAS PRINCIPALES
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

SECCIÓN 0032 + 132

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2040.000	SUELO CEMENTO A	0.575	11.51	738.3	AC32 BASE 15	1.830	36.59	3944.4
	AC22 BIN	1.031	20.62	2322.6	BBTM 11	0.436	8.72	1081.4
	132 ZA	1.801	44.26	1896.4	132 SC	3.090	61.80	897.6
	132 SC ARCEN	0.280	5.61	81.4	132 AC32 BASE	1.224	24.49	355.8
	132 AC22 BIN	1.032	20.62	299.6	132 BBTM	0.725	14.51	142.9
	Rellenos	5.265	103.64	2848.8				
2060.000	SUELO CEMENTO A	0.564	11.42	749.7	AC32 BASE 15	1.505	34.46	3978.8
	AC22 BIN	0.979	20.24	2342.8	BBTM 11	0.436	8.72	1090.1
	132 ZA	0.980	27.81	1924.2	132 SC	3.090	61.80	959.4
	132 SC ARCEN	0.280	5.61	87.0	132 AC32 BASE	1.225	24.50	380.3
	132 AC22 BIN	1.031	20.62	320.2	132 BBTM	0.726	14.51	157.4
	Rellenos	5.089	104.27	2953.0				
2080.000	SUELO CEMENTO A	0.564	11.28	761.0	AC32 BASE 15	1.279	27.80	4006.6
	AC22 BIN	0.944	19.45	2362.3	BBTM 11	0.436	8.72	1098.8
	132 ZA	0.330	12.43	1936.6	132 SC	2.927	60.85	1020.2
	132 SC ARCEN	0.280	5.61	92.7	132 AC32 BASE	1.225	24.49	404.8
	132 AC22 BIN	1.031	20.62	340.9	132 BBTM	0.725	14.51	171.9
	Rellenos	5.309	104.05	3057.1				
2100.000	SUELO CEMENTO A	0.564	11.28	772.3	AC32 BASE 15	1.065	23.42	4030.0
	AC22 BIN	0.971	19.17	2381.4	BBTM 11	0.435	8.72	1107.5
	132 ZA	0.039	3.24	1939.9	132 SC	2.415	53.86	1074.1
	132 SC ARCEN	0.280	5.61	98.3	132 AC32 BASE	1.224	24.49	429.3
	132 AC22 BIN	1.031	20.62	361.5	132 BBTM	0.725	14.51	186.5
	Rellenos	5.533	108.44	3165.5				
2120.000	SUELO CEMENTO A	0.565	11.29	783.6	AC32 BASE 15	0.864	19.26	4049.3
	AC22 BIN	0.829	18.86	2400.3	BBTM 11	0.435	8.72	1116.2
	132 ZA	0.000	0.19	1940.1	132 SC	1.660	40.91	1115.0
	132 SC ARCEN	0.281	5.61	103.9	132 AC32 BASE	1.224	24.49	453.8
	132 AC22 BIN	1.032	20.62	382.1	132 BBTM	0.725	14.51	201.0
	Rellenos	5.724	112.69	3278.2				



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PROYECTO :

GRUPO : 0 : CALZADAS PRINCIPALES

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

SECCIÓN 0032 + 132

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2140.000	SUELO CEMENTO A	1.468	32.62	7796.5	ZAHORRA ART. AR	0.746	14.91	1627.9
	AC22 BIN	0.564	11.29	794.8	AC32 BASE 15	0.697	15.56	4064.9
	132 SC	0.942	17.51	2417.8	BBTM 11	0.436	8.72	1124.9
	132 AC32 BASE	1.583	31.74	1146.7	132 SC ARCEN	0.280	5.61	109.5
	132 BBTM	1.225	24.49	478.3	132 AC22 BIN	1.031	20.62	402.7
2160.000	SUELO CEMENTO A	0.725	14.51	215.5	Rellenos	5.748	114.86	3393.1
	AC22 BIN	1.220	26.88	7823.4	ZAHORRA ART. AR	0.744	14.90	1642.8
	132 SC	0.565	11.29	806.1	AC32 BASE 15	0.572	12.69	4077.6
	132 AC32 BASE	0.916	18.58	2436.4	BBTM 11	0.436	8.72	1133.7
	132 BBTM	2.627	42.10	1188.8	132 SC ARCEN	0.280	5.61	115.1
2180.000	SUELO CEMENTO A	1.224	24.49	502.7	132 AC22 BIN	1.032	20.63	423.3
	AC22 BIN	0.725	14.51	230.0	Rellenos	5.770	115.18	3508.2
	132 SC	3.906	29.70	7853.1	ZAHORRA ART. AR	0.743	14.87	1657.7
	132 AC32 BASE	0.576	11.32	817.5	AC32 BASE 15	1.829	13.97	4091.5
	132 BBTM	1.031	19.36	2455.7	BBTM 11	0.436	8.72	1142.4
2200.000	SUELO CEMENTO A	2.526	51.81	1240.7	132 SC ARCEN	0.281	5.61	120.7
	AC22 BIN	1.224	24.48	527.2	132 AC22 BIN	1.030	20.63	444.0
	132 SC	0.725	14.51	244.5	Rellenos	5.910	116.19	3624.4
	132 AC32 BASE	0.816	39.94	7893.0	ZAHORRA ART. AR	0.740	14.83	1672.5
	132 BBTM	0.564	11.37	828.8	AC32 BASE 15	0.478	19.46	4111.0
2220.000	SUELO CEMENTO A	1.027	20.53	2476.3	BBTM 11	0.436	8.72	1151.1
	AC22 BIN	2.383	49.08	1289.7	132 SC ARCEN	0.281	5.62	126.3
	132 SC	1.225	24.49	551.7	132 AC22 BIN	1.031	20.61	464.6
	132 AC32 BASE	0.725	14.51	259.0	Rellenos	6.000	118.95	3743.4
	132 BBTM	0.758	15.66	7908.7	ZAHORRA ART. AR	0.738	14.78	1687.3
2240.000	SUELO CEMENTO A	0.565	11.29	840.1	AC32 BASE 15	0.318	7.94	4118.9
	AC22 BIN	0.780	19.30	2495.6	BBTM 11	0.436	8.72	1159.8
	132 SC	2.241	46.23	1336.0	132 SC ARCEN	0.281	5.61	131.9
	132 AC32 BASE	1.224	24.49	576.2	132 AC22 BIN	1.031	20.61	485.2
	132 BBTM	0.725	14.51	273.5	Rellenos	6.331	123.46	3866.8
	SUELO CEMENTO A	0.619	14.02	7922.7	ZAHORRA ART. AR	0.735	14.73	1702.0
	AC22 BIN	0.564	11.29	851.4	AC32 BASE 15	0.221	5.48	4124.4
	132 SC	0.434	10.53	2506.1	BBTM 11	0.436	8.72	1168.5
	132 AC32 BASE	2.122	43.44	1379.4	132 SC ARCEN	0.281	5.62	137.6
	132 BBTM	1.224	24.48	600.7	132 AC22 BIN	1.030	20.62	505.8
		0.725	14.50	288.0	Rellenos	6.647	129.97	3996.8



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PROYECTO :

GRUPO : 0 : CALZADAS PRINCIPALES

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EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol1)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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2380.000	SUELOCEMENTO	0.517	9.82	7981.2	ZAHORRA ART. AR	0.223	4.75	1770.6
	SUELO CEMENTO A	0.109	2.41	898.1	AC32 BASE 15	0.167	3.11	4140.9
	AC22 BIN	0.107	2.03	2539.5	BBTM 11	0.436	8.71	1229.5
	132 SC	2.122	42.45	1676.6	132 SC ARCEN	0.281	5.62	176.9
	132 AC32 BASE	1.224	24.48	772.1	132 AC22 BIN	1.030	20.60	650.0
	132 BBTM	0.725	14.51	389.6	Rellenos	6.711	134.20	4954.7
2400.000	SUELOCEMENTO	0.567	10.80	7992.0	ZAHORRA ART. AR	0.190	4.13	1774.7
	SUELO CEMENTO A	0.084	1.94	900.0	AC32 BASE 15	0.192	3.58	4144.4
	AC22 BIN	0.094	2.19	2541.7	BBTM 11	0.436	8.71	1238.2
	132 SC	2.122	42.45	1719.0	132 SC ARCEN	0.281	5.62	182.5
	132 AC32 BASE	1.224	24.48	796.5	132 AC22 BIN	1.030	20.60	670.6
	132 BBTM	0.725	14.51	404.1	Rellenos	6.748	134.61	5089.3
2420.000	SUELOCEMENTO	0.646	12.21	8004.2	ZAHORRA ART. AR	0.134	3.25	1777.9
	SUELO CEMENTO A	0.042	1.27	901.3	AC32 BASE 15	0.232	4.28	4148.7
	AC22 BIN	0.105	2.06	2543.7	BBTM 11	0.436	8.71	1247.0
	132 SC	2.122	42.45	1761.5	132 SC ARCEN	0.281	5.62	188.2
	132 AC32 BASE	1.224	24.48	821.0	132 AC22 BIN	1.030	20.60	691.2
	132 BBTM	0.725	14.51	418.6	Rellenos	6.608	133.48	5222.8
2440.000	SUELOCEMENTO	0.676	13.21	8017.4	ZAHORRA ART. AR	0.040	1.82	1779.8
	SUELO CEMENTO A	0.000	0.30	901.6	AC32 BASE 15	0.247	4.78	4153.5
	AC22 BIN	0.124	2.22	2546.0	BBTM 11	0.436	8.71	1255.7
	132 SC	2.122	42.45	1803.9	132 SC ARCEN	0.281	5.62	193.8
	132 AC32 BASE	1.224	24.48	845.5	132 AC22 BIN	1.030	20.60	711.9
	132 BBTM	0.725	14.51	433.1	Rellenos	6.520	131.28	5354.1
2460.000	SUELOCEMENTO	0.698	13.80	8031.2	ZAHORRA ART. AR	0.000	0.15	1779.9
	SUELO CEMENTO A	0.004	0.05	901.6	AC32 BASE 15	0.253	5.03	4158.5
	AC22 BIN	0.129	2.75	2548.7	BBTM 11	0.436	8.71	1264.4
	132 SC	2.122	42.45	1846.4	132 SC ARCEN	0.281	5.62	199.4
	132 AC32 BASE	1.224	24.48	870.0	132 AC22 BIN	1.030	20.60	732.5
	132 BBTM	0.725	14.51	447.6	Rellenos	6.142	127.56	5481.7
2480.000	SUELOCEMENTO	0.976	16.23	8047.5	ZAHORRA ART. AR	0.735	5.51	1785.4
	SUELO CEMENTO A	0.569	4.37	906.0	AC32 BASE 15	0.355	5.86	4164.4
	AC22 BIN	0.340	4.04	2552.8	BBTM 11	0.436	8.71	1273.1
	132 SC	2.122	42.45	1888.8	132 SC ARCEN	0.281	5.62	205.0
	132 AC32 BASE	1.224	24.48	894.5	132 AC22 BIN	1.030	20.60	753.1
	132 BBTM	0.725	14.51	462.1	Rellenos	6.530	123.30	5605.0



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 PROYECTO :
 GRUPO : 0 : CALZADAS PRINCIPALES
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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

2500.000	SUELOCEMENTO	0.983	19.45	8066.9	ZAHORRA ART. AR	0.735	14.71	1800.1
	SUELO CEMENTO A	0.575	11.48	917.5	AC32 BASE 15	0.352	6.96	4171.3
	AC22 BIN	0.342	6.79	2559.5	BBTM 11	0.436	8.71	1281.8
	132 SC	2.122	42.45	1931.3	132 SC ARCEN	0.281	5.62	210.6

	132 AC32 BASE	1.224	24.48	919.0	132 AC22 BIN	1.030	20.60	773.7
	132 BBTM	0.725	14.51	476.6	Relenos	6.542	130.62	5735.6
2520.000	SUELOCEMENTO	0.984	19.65	8086.6	ZAHORRA ART. AR	0.735	14.71	1814.9
	SUELO CEMENTO A	0.575	11.51	929.0	AC32 BASE 15	0.352	7.03	4178.4
	AC22 BIN	0.351	6.92	2566.5	BBTM 11	0.436	8.71	1290.5
	132 SC	2.122	42.45	1973.7	132 SC ARCEN	0.281	5.62	216.3
	132 AC32 BASE	1.224	24.48	943.4	132 AC22 BIN	1.030	20.60	794.3
	132 BBTM	0.725	14.51	491.1	Relenos	6.464	130.31	5865.9
2540.000	SUELOCEMENTO	0.965	19.43	8106.0	ZAHORRA ART. AR	0.735	14.71	1829.6
	SUELO CEMENTO A	0.575	11.51	940.5	AC32 BASE 15	0.343	6.92	4185.3
	AC22 BIN	0.338	6.86	2573.3	BBTM 11	0.436	8.71	1299.3
	132 SC	2.122	42.45	2016.1	132 SC ARCEN	0.281	5.62	221.9
	132 AC32 BASE	1.224	24.48	967.9	132 AC22 BIN	1.030	20.60	814.9
	132 BBTM	0.725	14.51	505.6	Relenos	6.400	128.56	5994.5
2560.000	SUELOCEMENTO	0.967	19.25	8125.3	ZAHORRA ART. AR	0.735	14.71	1844.3
	SUELO CEMENTO A	0.575	11.51	952.0	AC32 BASE 15	0.344	6.83	4192.1
	AC22 BIN	0.339	6.75	2580.1	BBTM 11	0.436	8.71	1308.0
	132 SC	2.122	42.45	2058.6	132 SC ARCEN	0.281	5.62	227.5
	132 AC32 BASE	1.224	24.48	992.4	132 AC22 BIN	1.030	20.60	835.5
	132 BBTM	0.725	14.51	520.1	Relenos	6.388	127.79	6122.2



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PROYECTO :
GRUPO : 0 : CALZADAS PRINCIPALES
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol1)

SECCIÓN 0031

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
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2580.000	SUELOCEMENTO	0.000	3.90	8129.1	ZAHORRA ART.	3.301	8.25	582.1
	ZAHORRA ART. AR	1.254	6.09	1850.4	SUELO CEMENTO A	0.000	2.31	954.3
	AC32 BASE 15	1.852	6.02	4198.1	AC32 BASE 10	1.500	3.75	376.1
	AC22 BIN	1.031	3.94	2584.0	BBTM 11	0.436	2.84	1310.8
	132 SC	0.000	8.52	2067.1	132 SC ARCEN	0.000	1.13	228.6
	132 AC32 BASE	0.000	4.92	997.3	132 AC22 BIN	0.000	4.14	839.6
	132 BBTM	0.000	2.91	523.0	Relenos	0.880	27.87	6150.1
2600.000	ZAHORRA ART.	0.875	23.32	605.4	ZAHORRA ART. AR	1.254	25.08	1875.4
	AC32 BASE 15	0.398	11.46	4209.6	AC32 BASE 10	0.531	12.95	389.0
	AC22 BIN	0.374	8.82	2592.8	BBTM 11	0.436	8.71	1319.5
	Relenos	0.866	17.36	6167.5				
2620.000	ZAHORRA ART.	0.843	17.20	622.6	ZAHORRA ART. AR	1.254	25.08	1900.5
	AC32 BASE 15	0.379	7.79	4217.4	AC32 BASE 10	0.518	10.50	399.5
	AC22 BIN	0.360	8.11	2600.9	BBTM 11	0.436	8.71	1328.2
	Relenos	0.862	17.22	6184.7				
2640.000	ZAHORRA ART.	0.805	16.52	639.1	ZAHORRA ART. AR	1.241	24.95	1925.5
	AC32 BASE 15	0.379	7.57	4224.9	AC32 BASE 10	0.511	10.29	409.8
	AC22 BIN	0.340	6.88	2607.8	BBTM 11	0.436	8.71	1336.9
	Relenos	0.779	16.54	6201.2				
2660.000	ZAHORRA ART.	0.841	16.39	655.5	ZAHORRA ART. AR	1.231	24.75	1950.2

	AC32 BASE 15	0.391	7.68	4232.6	AC32 BASE 10	0.515	10.26	420.1
	AC22 BIN	0.342	6.83	2614.6	BBTM 11	0.436	8.71	1345.7
	Rellenos	0.724	15.00	6216.2				
2680.000	ZAHORRA ART.	0.864	17.13	672.6	ZAHORRA ART. AR	1.231	24.58	1974.8
	AC32 BASE 15	0.405	8.00	4240.6	AC32 BASE 10	0.524	10.41	430.5
	AC22 BIN	0.348	6.92	2621.6	BBTM 11	0.436	8.71	1354.4
	Rellenos	0.542	12.83	6229.1				
2700.000	ZAHORRA ART.	0.881	17.49	690.1	ZAHORRA ART. AR	1.230	24.64	1999.4
	AC32 BASE 15	0.414	8.20	4248.8	AC32 BASE 10	0.530	10.57	441.0
	AC22 BIN	0.354	7.03	2628.6	BBTM 11	0.436	8.71	1363.1
	Rellenos	0.530	10.27	6239.3				
2720.000	ZAHORRA ART.	0.876	17.55	707.7	ZAHORRA ART. AR	1.214	24.47	2023.9
	AC32 BASE 15	0.414	8.27	4257.1	AC32 BASE 10	0.525	10.55	451.6
	AC22 BIN	0.354	7.05	2635.7	BBTM 11	0.436	8.71	1371.8
	Rellenos	0.533	10.97	6250.3				



Istram 22.08.08.11 05/12/22 18:22:52 200207
 PROYECTO :
 GRUPO : 0 : CALZADAS PRINCIPALES
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol1)

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SECCIÓN 0031

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2740.000	ZAHORRA ART.	0.873	17.48	725.2	ZAHORRA ART. AR	1.174	23.87	2047.8
	AC32 BASE 15	0.415	8.30	4265.4	AC32 BASE 10	0.514	10.39	462.0
	AC22 BIN	0.356	7.04	2642.7	BBTM 11	0.436	8.71	1380.5
	Rellenos	0.648	11.33	6261.6				
2760.000	ZAHORRA ART.	0.854	17.24	742.4	ZAHORRA ART. AR	1.180	23.33	2071.1
	AC32 BASE 15	0.405	8.17	4273.6	AC32 BASE 10	0.510	10.17	472.1
	AC22 BIN	0.361	7.09	2649.8	BBTM 11	0.436	8.71	1389.2
	Rellenos	0.769	14.44	6276.1				
2780.000	ZAHORRA ART.	0.862	17.14	759.6	ZAHORRA ART. AR	1.197	23.72	2094.8
	AC32 BASE 15	0.411	8.21	4281.8	AC32 BASE 10	0.518	10.29	482.4
	AC22 BIN	0.619	9.28	2659.1	BBTM 11	0.436	8.71	1397.9
	Rellenos	0.836	15.79	6291.9				
2800.000	ZAHORRA ART.	0.831	17.06	776.6	ZAHORRA ART. AR	1.224	24.23	2119.0
	AC32 BASE 15	0.388	8.04	4289.8	AC32 BASE 10	0.509	10.31	492.7
	AC22 BIN	0.377	9.59	2668.6	BBTM 11	0.435	8.71	1406.7
	Rellenos	0.918	18.16	6310.0				
2820.000	ZAHORRA ART.	0.820	16.36	793.0	ZAHORRA ART. AR	1.255	24.78	2143.8
	AC32 BASE 15	0.376	7.57	4297.4	AC32 BASE 10	0.511	10.15	502.9
	AC22 BIN	0.339	6.83	2675.5	BBTM 11	0.436	8.72	1415.4
	Rellenos	0.905	18.07	6328.1				
2840.000	ZAHORRA ART.	0.819	16.42	809.4	ZAHORRA ART. AR	1.273	25.33	2169.1
	AC32 BASE 15	0.373	7.46	4304.8	AC32 BASE 10	0.514	10.26	513.2
	AC22 BIN	0.341	6.82	2682.3	BBTM 11	0.436	8.72	1424.1
	Rellenos	0.922	18.28	6346.4				
2860.000	ZAHORRA ART.	0.751	15.69	825.1	ZAHORRA ART. AR	1.280	25.54	2194.7

	AC32 BASE 15	0.335	7.08	4311.9	AC32 BASE 10	0.489	10.03	523.2
	AC22 BIN	0.338	6.98	2689.3	BBTM 11	0.429	8.65	1432.7
	Rellenos	0.993	19.38	6365.8				
2880.000	ZAHORRA ART.	0.694	14.43	839.5	ZAHORRA ART. AR	1.280	25.60	2220.3
	AC32 BASE 15	0.301	6.35	4318.3	AC32 BASE 10	0.466	9.55	532.7
	AC22 BIN	0.310	6.36	2695.6	BBTM 11	0.422	8.52	1441.3
	Rellenos	1.085	20.68	6386.4				
2885.404	ZAHORRA ART.	0.680	3.71	843.2	ZAHORRA ART. AR	1.280	6.92	2227.2
	AC32 BASE 15	0.292	1.60	4319.9	AC32 BASE 10	0.461	2.50	535.2
	AC22 BIN	0.319	1.70	2697.3	BBTM 11	0.421	2.28	1443.5
	Rellenos	1.113	5.94	6392.4				



Istram 22.08.08.11 05/12/22 18:22:53 200207
 PROYECTO :
 GRUPO : 0 : CALZADAS PRINCIPALES
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 1 : CALZADA IZQUIERDA (CPOL1_a1.vol)

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* * * RESUMEN DE VOLUMENES TOTALES * * *

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MATERIAL	VOLUMEN
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SUELOCEMENTO	8129.1
ZAHORRA ART.	843.2
ZAHORRA ART. AR	2227.2
SUELO CEMENTO A	954.3
AC32 BASE 15	4319.9
AC32 BASE 10	535.2
AC22 BIN	2697.3
BBTM 11	1443.5
132 ZA	1940.1
132 SC	2067.1
132 SC ARCEN	228.6
132 AC32 BASE	997.3
132 AC22 BIN	839.6
132 BBTM	523.0
Rellenos	6392.4

SECCIÓN 0031

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
=====

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	ZAHORRA ART.	0.431	0.00	0.0	ZAHORRA ART. AR	1.180	0.00	0.0
	AC32 BASE 15	0.239	0.00	0.0	AC32 BASE 10	0.427	0.00	0.0
	AC22 BIN	0.292	0.00	0.0	BBTM 11	0.420	0.00	0.0
	C51	0.618	0.00	0.0				
20.000	ZAHORRA ART.	0.501	9.32	9.3	ZAHORRA ART. AR	1.187	23.66	23.7
	AC32 BASE 15	0.274	5.13	5.1	AC32 BASE 10	0.454	8.81	8.8
	AC22 BIN	0.352	6.44	6.4	BBTM 11	0.426	8.47	8.5
	C51	0.618	12.37	12.4				
40.000	ZAHORRA ART.	0.548	10.50	19.8	ZAHORRA ART. AR	1.187	23.74	47.4
	AC32 BASE 15	0.301	5.75	10.9	AC32 BASE 10	0.473	9.28	18.1
	AC22 BIN	0.348	7.00	13.4	BBTM 11	0.432	8.58	17.0
	C51	0.619	12.37	24.7				
60.000	ZAHORRA ART.	0.571	11.21	31.0	ZAHORRA ART. AR	1.189	23.76	71.2
	AC32 BASE 15	0.314	6.16	17.0	AC32 BASE 10	0.482	9.56	27.6
	AC22 BIN	0.329	6.63	20.1	BBTM 11	0.435	8.67	25.7
	C51	0.618	12.36	37.1				
80.000	ZAHORRA ART.	0.572	11.43	42.5	ZAHORRA ART. AR	1.193	23.82	95.0
	AC32 BASE 15	0.310	6.23	23.3	AC32 BASE 10	0.483	9.65	37.3
	AC22 BIN	0.408	7.37	27.4	BBTM 11	0.435	8.70	34.4
	C51	0.618	12.36	49.5				
100.000	ZAHORRA ART.	0.689	12.59	55.0	ZAHORRA ART. AR	1.194	23.86	118.9
	AC32 BASE 15	0.380	6.90	30.2	AC32 BASE 10	0.530	10.12	47.4
	AC22 BIN	0.362	7.31	34.8	BBTM 11	0.451	8.86	43.3
	C51	0.618	12.37	61.8				
120.000	ZAHORRA ART.	0.815	15.04	70.1	ZAHORRA ART. AR	1.193	23.87	142.7
	AC32 BASE 15	0.456	8.37	38.5	AC32 BASE 10	0.580	11.10	58.5
	AC22 BIN	0.411	7.72	42.5	BBTM 11	0.466	9.17	52.4
	C51	0.618	12.36	74.2				
140.000	ZAHORRA ART.	0.936	17.51	87.6	ZAHORRA ART. AR	1.193	23.86	166.6
	AC32 BASE 15	0.528	9.85	48.4	AC32 BASE 10	0.628	12.08	70.6
	AC22 BIN	0.542	9.53	52.0	BBTM 11	0.482	9.48	61.9
	C51	0.619	12.37	86.6				
160.000	ZAHORRA ART.	1.078	20.13	107.7	ZAHORRA ART. AR	1.193	23.86	190.4
	AC32 BASE 15	0.614	11.42	59.8	AC32 BASE 10	0.685	13.13	83.7
	AC22 BIN	0.490	10.31	62.3	BBTM 11	0.497	9.79	71.7
	C51	0.618	12.37	98.9				



EJE : 2 : CALZADA DERECHA (CPOL2_a1.vol)

SECCIÓN 0031

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
180.000	ZAHORRA ART.	1.207	22.85	130.6	ZAHORRA ART. AR	1.193	23.87	214.3
	AC32 BASE 15	0.691	13.05	72.9	AC32 BASE 10	0.737	14.22	97.9
	AC22 BIN	0.547	10.37	72.7	BBTM 11	0.513	10.10	81.8
	C51	0.618	12.37	111.3				
200.000	ZAHORRA ART.	1.342	25.49	156.1	ZAHORRA ART. AR	1.194	23.87	238.2
	AC32 BASE 15	0.773	14.64	87.5	AC32 BASE 10	0.791	15.28	113.2
	AC22 BIN	0.838	13.85	86.5	BBTM 11	0.528	10.41	92.2
	C51	0.618	12.37	123.7				
220.000	ZAHORRA ART.	1.443	28.04	184.1	ZAHORRA ART. AR	1.193	23.87	262.1
	AC32 BASE 15	0.833	16.17	103.7	AC32 BASE 10	0.831	16.30	129.5
	AC22 BIN	0.701	15.08	101.6	BBTM 11	0.541	10.72	103.0
	C51	0.618	12.37	136.0				
240.000	ZAHORRA ART.	1.470	29.14	213.2	ZAHORRA ART. AR	1.193	23.87	285.9
	AC32 BASE 15	0.849	16.82	120.5	AC32 BASE 10	0.842	16.74	146.3
	AC22 BIN	0.800	15.01	116.6	BBTM 11	0.540	10.80	113.8
	C51	0.618	12.37	148.4				
260.000	ZAHORRA ART.	1.451	29.21	242.5	ZAHORRA ART. AR	1.193	23.86	309.8
	AC32 BASE 15	0.838	16.87	137.3	AC32 BASE 10	0.834	16.77	163.0
	AC22 BIN	0.774	15.73	132.4	BBTM 11	0.541	10.80	124.6
	C51	0.618	12.37	160.8				
280.000	ZAHORRA ART.	1.449	29.00	271.5	ZAHORRA ART. AR	1.193	23.86	333.6
	AC32 BASE 15	0.836	16.74	154.1	AC32 BASE 10	0.834	16.68	179.7
	AC22 BIN	0.633	14.06	146.4	BBTM 11	0.540	10.80	135.4
	C51	0.618	12.37	173.1				
300.000	ZAHORRA ART.	1.463	29.12	300.6	ZAHORRA ART. AR	1.193	23.86	357.5
	AC32 BASE 15	0.845	16.81	170.9	AC32 BASE 10	0.839	16.73	196.4
	AC22 BIN	0.932	15.64	162.1	BBTM 11	0.541	10.80	146.2
	C51	0.619	12.38	185.5				
320.000	ZAHORRA ART.	1.542	54.52	355.1	ZAHORRA ART. AR	1.193	23.86	381.4
	AC32 BASE 15	0.892	32.05	202.9	AC32 BASE 10	0.871	26.87	223.3
	AC22 BIN	0.663	19.98	182.1	BBTM 11	0.552	10.90	157.1
	C51	0.619	12.38	197.9				
340.000	ZAHORRA ART.	1.674	32.16	387.3	ZAHORRA ART. AR	1.193	23.86	405.2
	AC32 BASE 15	0.972	18.64	221.6	AC32 BASE 10	0.924	17.94	241.2
	AC22 BIN	0.638	13.01	195.1	BBTM 11	0.568	11.20	168.3
	C51	0.619	12.38	210.3				

Istram 23.01.01.13 24/05/23 14:47:51 200207
PROYECTO :
GRUPO : 0 : CALZADAS PRINCIPALES
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 2 : CALZADA DERECHA (CPOL2_a1.vol)

SECCIÓN 0031

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
360.000	ZAHORRA ART.	1.796	34.70	422.0	ZAHORRA ART. AR	1.193	23.86	429.1
	AC32 BASE 15	1.045	20.17	241.8	AC32 BASE 10	0.972	18.96	260.2
	AC22 BIN	0.672	13.10	208.2	BBTM 11	0.583	11.51	179.8
	C51	0.619	12.38	222.6				
380.000	ZAHORRA ART.	1.941	37.37	459.3	ZAHORRA ART. AR	1.194	23.87	453.0
	AC32 BASE 15	1.132	21.77	263.5	AC32 BASE 10	1.031	20.03	280.2
	AC22 BIN	0.713	13.85	222.0	BBTM 11	0.598	11.81	191.6
	C51	0.618	12.37	235.0				
400.000	ZAHORRA ART.	2.091	40.32	499.6	ZAHORRA ART. AR	1.193	23.87	476.8
	AC32 BASE 15	1.221	23.53	287.1	AC32 BASE 10	1.090	21.21	301.5
	AC22 BIN	0.779	14.92	236.9	BBTM 11	0.614	12.12	203.7
	C51	0.619	12.37	247.4				
420.000	ZAHORRA ART.	1.121	32.12	531.8	ZAHORRA ART. AR	1.193	23.87	500.7
	AC32 BASE 15	0.639	18.61	305.7	AC32 BASE 10	0.702	17.93	319.4
	AC22 BIN	0.771	15.50	252.4	BBTM 11	0.630	12.44	216.2
	C51	0.618	12.37	259.8				
440.000	ZAHORRA ART.	1.383	25.04	556.8	ZAHORRA ART. AR	1.193	23.87	524.6
	AC32 BASE 15	0.797	14.36	320.0	AC32 BASE 10	0.807	15.10	334.5
	AC22 BIN	0.794	15.64	268.1	BBTM 11	0.645	12.75	228.9
	C51	0.618	12.37	272.1				
460.000	ZAHORRA ART.	1.454	28.37	585.2	ZAHORRA ART. AR	1.193	23.86	548.4
	AC32 BASE 15	0.839	16.36	336.4	AC32 BASE 10	0.835	16.43	350.9
	AC22 BIN	0.902	16.95	285.0	BBTM 11	0.646	12.91	241.8
	C51	0.619	12.37	284.5				
480.000	ZAHORRA ART.	0.516	28.89	614.1	ZAHORRA ART. AR	0.000	23.45	571.9
	AC32 BASE 15	0.310	16.69	353.1	AC32 BASE 10	0.207	16.55	367.5
	AC22 BIN	0.298	16.30	301.3	BBTM 11	0.435	12.84	254.7
	C51	0.403	12.30	296.8				
500.000	ZAHORRA ART.	0.506	10.22	624.3	AC32 BASE 15	0.304	6.14	359.2
	AC32 BASE 10	0.203	4.11	371.6	AC22 BIN	0.433	7.31	308.6
	BBTM 11	0.435	8.71	263.4	C51	0.440	8.43	305.2
520.000	ZAHORRA ART.	0.500	10.06	634.3	AC32 BASE 15	0.301	6.04	365.3
	AC32 BASE 10	0.201	4.04	375.6	AC22 BIN	0.390	8.23	316.9
	BBTM 11	0.435	8.70	272.1	C51	0.434	8.74	314.0
540.000	ZAHORRA ART.	0.522	10.22	644.6	AC32 BASE 15	0.314	6.15	371.4
	AC32 BASE 10	0.210	4.11	379.7	AC22 BIN	0.252	6.42	323.3
	BBTM 11	0.435	8.71	280.8	C51	0.379	8.13	322.1



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PROYECTO :
 GRUPO : 0 : CALZADAS PRINCIPALES
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 2 : CALZADA DERECHA (CPOL2_a1.vol)

SECCIÓN 0031

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
560.000	ZAHORRA ART.	0.511	10.33	654.9	AC32 BASE 15	0.307	6.22	377.6
	AC32 BASE 10	0.205	4.16	383.9	AC22 BIN	0.326	5.78	329.1
	BBTM 11	0.435	8.71	289.5	C51	0.335	7.14	329.2
580.000	ZAHORRA ART.	0.502	10.13	665.0	AC32 BASE 15	0.302	6.09	383.7
	AC32 BASE 10	0.202	4.07	387.9	AC22 BIN	0.554	8.81	337.9
	BBTM 11	0.435	8.70	298.2	C51	0.342	6.77	336.0
600.000	ZAHORRA ART.	0.599	11.01	676.0	AC32 BASE 15	0.360	6.62	390.3
	AC32 BASE 10	0.241	4.43	392.4	AC22 BIN	0.336	8.91	346.8
	BBTM 11	0.444	8.79	307.0	C51	0.312	6.55	342.6
620.000	ZAHORRA ART.	0.753	13.52	689.6	AC32 BASE 15	0.452	8.12	398.5
	AC32 BASE 10	0.427	6.68	399.0	AC22 BIN	0.896	12.32	359.1
	BBTM 11	0.462	9.06	316.0	C51	0.426	7.38	349.9
640.000	ZAHORRA ART.	0.894	16.46	706.0	ZAHORRA ART. AR	0.003	0.03	571.9
	AC32 BASE 15	0.537	9.89	408.3	AC32 BASE 10	0.358	7.85	406.9
	AC22 BIN	0.773	16.70	375.8	BBTM 11	0.480	9.43	325.5
	C51	0.507	9.33	359.3				
660.000	ZAHORRA ART.	1.033	19.31	725.3	ZAHORRA ART. AR	0.076	0.64	572.6
	AC32 BASE 15	0.621	11.60	419.9	AC32 BASE 10	0.414	7.74	414.6
	AC22 BIN	0.638	14.06	389.9	BBTM 11	0.498	9.79	335.2
	C51	0.593	11.10	370.4				
680.000	ZAHORRA ART.	1.230	22.64	748.0	ZAHORRA ART. AR	0.231	3.07	575.6
	AC32 BASE 15	0.738	13.59	433.5	AC32 BASE 10	0.514	9.29	423.9
	AC22 BIN	0.961	15.99	405.9	BBTM 11	0.519	10.17	345.4
	C51	0.618	12.11	382.5				
700.000	ZAHORRA ART.	3.930	51.61	799.6	ZAHORRA ART. AR	1.194	14.25	589.9
	AC32 BASE 15	2.324	30.62	464.2	AC32 BASE 10	1.825	23.40	447.3
	AC22 BIN	1.268	22.28	428.1	BBTM 11	0.540	10.60	356.0
	C51	0.618	12.37	394.8				
720.000	ZAHORRA ART.	1.647	53.08	852.7	ZAHORRA ART. AR	0.327	14.35	604.2
	AC32 BASE 15	0.989	31.55	495.7	AC32 BASE 10	0.712	24.18	471.5
	AC22 BIN	1.144	24.00	452.1	BBTM 11	0.549	10.90	366.9
	C51	0.619	12.37	407.2				
740.000	ZAHORRA ART.	1.781	34.28	886.9	ZAHORRA ART. AR	0.207	5.34	609.6
	AC32 BASE 15	1.069	20.59	516.3	AC32 BASE 10	0.728	14.40	485.9
	AC22 BIN	0.989	21.33	473.5	BBTM 11	0.549	10.99	377.9
	C51	0.618	12.37	419.6				

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 PROYECTO :
 GRUPO : 0 : CALZADAS PRINCIPALES
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 2 : CALZADA DERECHA (CPOL2_a1.vol)

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SECCIÓN 0031

 * * * MEDICIONES DE LOS PERFILES TRANSVERSALES * * *
 * * * CAPAS DE FIRME * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
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760.000	ZAHORRA ART.	2.035	38.15	925.1	ZAHORRA ART. AR	0.009	2.16	611.7
	AC32 BASE 15	1.222	22.91	539.2	AC32 BASE 10	0.815	15.43	501.3
	AC22 BIN	0.666	16.55	490.0	BBTM 11	0.549	10.99	388.9
	C51	0.508	11.26	430.8				
780.000	ZAHORRA ART.	2.352	44.08	969.2	ZAHORRA ART. AR	0.000	0.02	611.8
	AC32 BASE 15	1.412	26.47	565.7	AC32 BASE 10	0.942	17.65	519.0
	AC22 BIN	0.660	13.05	503.1	BBTM 11	0.549	10.99	399.9
	C51	0.049	5.60	436.4				
800.000	ZAHORRA ART.	3.805	61.57	1030.7	ZAHORRA ART. AR	1.193	11.93	623.7
	AC32 BASE 15	2.249	36.62	602.3	AC32 BASE 10	1.775	27.17	546.2
	AC22 BIN	1.233	18.93	522.0	BBTM 11	0.526	10.75	410.6
	C51	0.618	6.67	443.1				
820.000	ZAHORRA ART.	2.188	59.93	1090.7	ZAHORRA ART. AR	1.193	23.86	647.6
	AC32 BASE 15	1.293	35.42	637.7	AC32 BASE 10	1.334	31.09	577.2
	AC22 BIN	1.092	23.25	545.2	BBTM 11	0.495	10.21	420.8
	C51	0.619	12.38	455.5				
840.000	ZAHORRA ART.	1.773	39.61	1130.3	ZAHORRA ART. AR	1.192	23.85	671.4
	AC32 BASE 15	1.030	23.23	661.0	AC32 BASE 10	1.117	24.51	601.8
	AC22 BIN	1.022	21.14	566.4	BBTM 11	0.495	9.90	430.7
	C51	0.620	12.39	467.9				
860.000	ZAHORRA ART.	1.404	31.71	1162.0	ZAHORRA ART. AR	1.192	23.84	695.2
	AC32 BASE 15	0.809	18.35	679.3	AC32 BASE 10	0.931	20.42	622.2
	AC22 BIN	1.018	20.11	586.5	BBTM 11	0.495	9.90	440.6
	C51	0.616	12.39	480.3				
880.000	ZAHORRA ART.	1.068	24.72	1186.7	ZAHORRA ART. AR	1.192	23.83	719.1
	AC32 BASE 15	0.607	14.16	693.5	AC32 BASE 10	0.745	16.75	638.9
	AC22 BIN	0.984	20.02	606.5	BBTM 11	0.495	9.89	450.5
	C51	0.606	12.22	492.5				
900.000	ZAHORRA ART.	0.896	19.65	1206.4	ZAHORRA ART. AR	1.191	23.83	742.9
	AC32 BASE 15	0.506	11.13	704.6	AC32 BASE 10	0.613	13.57	652.5
	AC22 BIN	0.836	18.19	624.7	BBTM 11	0.485	9.80	460.3
	C51	0.599	12.05	504.5				
920.000	ZAHORRA ART.	0.831	17.27	1223.6	ZAHORRA ART. AR	1.191	23.82	766.7
	AC32 BASE 15	0.466	9.72	714.3	AC32 BASE 10	0.592	12.05	664.6
	AC22 BIN	1.029	18.65	643.4	BBTM 11	0.475	9.60	469.9
	C51	0.599	11.99	516.5				



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PROYECTO :
GRUPO : 0 : CALZADAS PRINCIPALES
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 2 : CALZADA DERECHA (CPOL2_a1.vol)

SECCIÓN 0031

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
940.000	ZAHORRA ART.	0.730	15.61	1239.2	ZAHORRA ART. AR	1.191	23.82	790.5
	AC32 BASE 15	0.406	8.72	723.0	AC32 BASE 10	0.546	11.38	675.9
	AC22 BIN	0.918	19.47	662.8	BBTM 11	0.465	9.40	479.3
	C51	0.599	11.99	528.5				

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1480.000	ZAHORRA ART.	0.938	18.73	1798.8	ZAHORRA ART. AR	0.628	12.60	1314.4
	AC32 BASE 15	0.563	11.26	1050.1	AC32 BASE 10	0.496	9.93	1023.9
	AC22 BIN	0.338	7.10	1021.6	BBTM 11	0.435	8.71	738.7
	C51	0.619	12.39	851.6				
1500.000	ZAHORRA ART.	0.939	18.77	1817.5	ZAHORRA ART. AR	0.648	12.75	1327.1
	AC32 BASE 15	0.564	11.27	1061.4	AC32 BASE 10	0.502	9.98	1033.9
	AC22 BIN	0.343	6.81	1028.4	BBTM 11	0.435	8.70	747.4
	C51	0.619	12.38	864.0				
1520.000	ZAHORRA ART.	0.932	18.71	1836.2	ZAHORRA ART. AR	0.741	13.88	1341.0
	AC32 BASE 15	0.560	11.24	1072.6	AC32 BASE 10	0.522	10.24	1044.1
	AC22 BIN	0.357	7.00	1035.4	BBTM 11	0.443	8.78	756.1
	C51	0.619	12.39	876.4				
1540.000	ZAHORRA ART.	0.924	18.56	1854.8	ZAHORRA ART. AR	0.733	14.74	1355.8
	AC32 BASE 15	0.555	11.15	1083.8	AC32 BASE 10	0.517	10.39	1054.5
	AC22 BIN	0.361	7.18	1042.5	BBTM 11	0.444	8.87	765.0
	C51	0.619	12.38	888.8				

1560.000	ZAHORRA ART.	0.903	18.26	1873.1	ZAHORRA ART. AR	0.781	15.14	1370.9
	AC32 BASE 15	0.542	10.97	1094.7	AC32 BASE 10	0.521	10.38	1064.9
	AC22 BIN	0.375	7.36	1049.9	BBTM 11	0.447	8.92	773.9
	C51	0.619	12.37	901.1				
1580.000	ZAHORRA ART.	0.895	17.97	1891.0	ZAHORRA ART. AR	0.865	16.46	1387.4
	AC32 BASE 15	0.538	10.80	1105.5	AC32 BASE 10	0.538	10.58	1075.5
	AC22 BIN	0.369	7.44	1057.3	BBTM 11	0.451	8.98	782.9
	C51	0.619	12.37	913.5				
1600.000	ZAHORRA ART.	0.902	17.97	1909.0	ZAHORRA ART. AR	0.904	17.69	1405.1
	AC32 BASE 15	0.542	10.80	1116.3	AC32 BASE 10	0.551	10.89	1086.4
	AC22 BIN	0.445	8.13	1065.5	BBTM 11	0.451	9.02	791.9
	C51	0.619	12.37	925.9				
1620.000	ZAHORRA ART.	0.878	17.80	1926.8	ZAHORRA ART. AR	0.918	18.23	1423.3
	AC32 BASE 15	0.527	10.69	1127.0	AC32 BASE 10	0.545	10.96	1097.3
	AC22 BIN	0.416	8.61	1074.1	BBTM 11	0.452	9.03	801.0
	C51	0.619	12.37	938.3				
1640.000	ZAHORRA ART.	0.880	17.58	1944.4	ZAHORRA ART. AR	0.927	18.45	1441.7
	AC32 BASE 15	0.529	10.56	1137.6	AC32 BASE 10	0.548	10.93	1108.3
	AC22 BIN	0.376	7.93	1082.0	BBTM 11	0.452	9.04	810.0
	C51	0.618	12.37	950.6				



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PROYECTO :

GRUPO : 0 : CALZADAS PRINCIPALES

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 2 : CALZADA DERECHA (CPOL2_a1.vol)

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SECCIÓN 0031

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
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1660.000	ZAHORRA ART.	0.902	17.82	1962.2	ZAHORRA ART. AR	0.920	18.47	1460.2
	AC32 BASE 15	0.542	10.71	1148.3	AC32 BASE 10	0.555	11.03	1119.3
	AC22 BIN	0.380	7.56	1089.6	BBTM 11	0.454	9.06	819.0
	C51	0.618	12.36	963.0				
1680.000	ZAHORRA ART.	0.895	17.97	1980.2	ZAHORRA ART. AR	0.936	18.57	1478.8
	AC32 BASE 15	0.538	10.80	1159.1	AC32 BASE 10	0.557	11.12	1130.4
	AC22 BIN	0.380	7.60	1097.2	BBTM 11	0.453	9.07	828.1
	C51	0.619	12.37	975.4				
1700.000	ZAHORRA ART.	0.877	17.72	1997.9	ZAHORRA ART. AR	0.960	18.97	1497.7
	AC32 BASE 15	0.527	10.65	1169.8	AC32 BASE 10	0.555	11.12	1141.5
	AC22 BIN	0.384	7.64	1104.8	BBTM 11	0.454	9.07	837.2
	C51	0.619	12.38	987.7				
1720.000	ZAHORRA ART.	0.715	15.92	2013.8	ZAHORRA ART. AR	0.974	19.34	1517.1
	AC32 BASE 15	0.430	9.57	1179.3	AC32 BASE 10	0.494	10.49	1152.0
	AC22 BIN	0.336	7.20	1112.0	BBTM 11	0.454	9.07	846.3
	C51	0.618	12.37	1000.1				
1740.000	ZAHORRA ART.	0.681	13.96	2027.8	ZAHORRA ART. AR	0.949	19.22	1536.3
	AC32 BASE 15	0.409	8.39	1187.7	AC32 BASE 10	0.474	9.67	1161.7
	AC22 BIN	0.336	6.72	1118.7	BBTM 11	0.453	9.07	855.3
	C51	0.618	12.37	1012.5				

1760.000	ZAHORRA ART.	0.589	12.70	2040.5	ZAHORRA ART. AR	0.881	18.30	1554.6
	AC32 BASE 15	0.354	7.63	1195.3	AC32 BASE 10	0.420	8.93	1170.6
	AC22 BIN	0.293	6.29	1125.0	BBTM 11	0.454	9.07	864.4
	C51	0.619	12.37	1024.8				
1780.000	ZAHORRA ART.	0.492	10.81	2051.3	ZAHORRA ART. AR	0.930	18.11	1572.7
	AC32 BASE 15	0.296	6.50	1201.8	AC32 BASE 10	0.394	8.14	1178.8
	AC22 BIN	0.308	6.01	1131.0	BBTM 11	0.459	9.13	873.5
	C51	0.619	12.38	1037.2				
1800.000	ZAHORRA ART.	0.417	9.08	2060.4	ZAHORRA ART. AR	0.906	18.41	1591.1
	AC32 BASE 15	0.251	5.46	1207.3	AC32 BASE 10	0.357	7.52	1186.3
	AC22 BIN	0.241	5.21	1136.2	BBTM 11	0.458	9.17	882.7
	C51	0.618	12.37	1049.6				
1820.000	ZAHORRA ART.	0.341	7.58	2068.0	ZAHORRA ART. AR	0.852	17.58	1608.7
	AC32 BASE 15	0.205	4.56	1211.9	AC32 BASE 10	0.314	6.71	1193.0
	AC22 BIN	0.263	5.04	1141.3	BBTM 11	0.456	9.14	891.8
	C51	0.619	12.37	1061.9				



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PROYECTO :
GRUPO : 0 : CALZADAS PRINCIPALES
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 2 : CALZADA DERECHA (CPOL2_a1.vol)

SECCIÓN 0031

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1840.000	ZAHORRA ART.	0.252	5.94	2073.9	ZAHORRA ART. AR	0.810	16.62	1625.3
	AC32 BASE 15	0.152	3.58	1215.4	AC32 BASE 10	0.267	5.81	1198.8
	AC22 BIN	0.178	4.42	1145.7	BBTM 11	0.458	9.14	901.0
	C51	0.618	12.37	1074.3				
1860.000	ZAHORRA ART.	0.180	4.33	2078.2	ZAHORRA ART. AR	0.761	15.71	1641.0
	AC32 BASE 15	0.109	2.61	1218.1	AC32 BASE 10	0.227	4.94	1203.7
	AC22 BIN	0.387	5.66	1151.4	BBTM 11	0.459	9.17	910.2
	C51	0.619	12.38	1086.7				
1880.000	ZAHORRA ART.	0.151	3.31	2081.5	ZAHORRA ART. AR	0.749	15.10	1656.1
	AC32 BASE 15	0.091	2.00	1220.1	AC32 BASE 10	0.261	4.88	1208.6
	AC22 BIN	0.558	9.46	1160.8	BBTM 11	0.459	9.19	919.3
	C51	0.619	12.39	1099.1				
1900.000	ZAHORRA ART.	0.151	3.02	2084.6	ZAHORRA ART. AR	0.738	14.87	1671.0
	AC32 BASE 15	0.091	1.82	1221.9	AC32 BASE 10	0.226	4.87	1213.5
	AC22 BIN	0.424	9.82	1170.6	BBTM 11	0.459	9.19	928.5
	C51	0.619	12.39	1111.5				
1920.000	ZAHORRA ART.	0.187	3.38	2087.9	ZAHORRA ART. AR	0.605	13.43	1684.4
	AC32 BASE 15	0.113	2.04	1223.9	AC32 BASE 10	0.281	5.07	1218.6
	AC22 BIN	0.504	9.28	1179.9	BBTM 11	0.456	9.15	937.7
	C51	0.619	12.39	1123.9				
1940.000	ZAHORRA ART.	0.277	4.64	2092.6	ZAHORRA ART. AR	0.512	11.17	1695.6
	AC32 BASE 15	0.167	2.80	1226.7	AC32 BASE 10	0.203	4.84	1223.4
	AC22 BIN	0.248	7.52	1187.4	BBTM 11	0.456	9.12	946.8
	C51	0.619	12.38	1136.2				

1960.000	ZAHORRA ART.	0.365	6.42	2099.0	ZAHORRA ART. AR	0.526	10.38	1706.0
	AC32 BASE 15	0.220	3.87	1230.6	AC32 BASE 10	0.242	4.45	1227.9
	AC22 BIN	0.187	4.35	1191.8	BBTM 11	0.466	9.22	956.0
	C51	0.619	12.38	1148.6				
1980.000	ZAHORRA ART.	0.414	7.79	2106.8	ZAHORRA ART. AR	0.464	9.90	1715.9
	AC32 BASE 15	0.249	4.69	1235.3	AC32 BASE 10	0.246	4.88	1232.7
	AC22 BIN	0.233	4.20	1196.0	BBTM 11	0.466	9.31	965.3
	C51	0.620	12.39	1161.0				
2000.000	ZAHORRA ART.	0.452	8.66	2115.4	ZAHORRA ART. AR	0.438	9.01	1724.9
	AC32 BASE 15	0.272	5.21	1240.5	AC32 BASE 10	0.255	5.01	1237.7
	AC22 BIN	0.170	4.03	1200.0	BBTM 11	0.465	9.31	974.7
	C51	0.620	12.40	1173.4				



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PROYECTO :
GRUPO : 0 : CALZADAS PRINCIPALES
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 2 : CALZADA DERECHA (CPOL2_a1.vol)

SECCIÓN 0031

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2020.000	ZAHORRA ART.	3.054	35.06	2150.5	ZAHORRA ART. AR	1.592	20.30	1745.2
	AC32 BASE 15	1.799	20.71	1261.2	AC32 BASE 10	1.575	18.30	1256.0
	AC22 BIN	1.093	12.63	1212.6	BBTM 11	0.465	9.30	984.0
	C51	0.620	12.40	1185.8				
2040.000	ZAHORRA ART.	0.507	35.61	2186.1	ZAHORRA ART. AR	0.220	18.12	1763.3
	AC32 BASE 15	0.305	21.04	1282.2	AC32 BASE 10	0.222	17.97	1274.0
	AC22 BIN	0.170	12.63	1225.3	BBTM 11	0.453	9.19	993.1
	C51	0.620	12.40	1198.2				
2060.000	ZAHORRA ART.	0.484	9.87	2196.0	ZAHORRA ART. AR	0.165	3.74	1767.1
	AC32 BASE 15	0.291	5.94	1288.2	AC32 BASE 10	0.199	4.17	1278.2
	AC22 BIN	0.196	3.68	1228.9	BBTM 11	0.450	9.04	1002.2
	C51	0.617	12.37	1210.6				
2080.000	ZAHORRA ART.	0.438	9.22	2205.2	ZAHORRA ART. AR	0.104	2.68	1769.7
	AC32 BASE 15	0.264	5.55	1293.7	AC32 BASE 10	0.177	3.76	1281.9
	AC22 BIN	0.134	3.30	1232.2	BBTM 11	0.444	8.94	1011.1
	C51	0.595	12.12	1222.7				
2100.000	ZAHORRA ART.	0.366	8.04	2213.2	ZAHORRA ART. AR	0.043	1.47	1771.2
	AC32 BASE 15	0.220	4.84	1298.6	AC32 BASE 10	0.147	3.24	1285.2
	AC22 BIN	0.103	2.37	1234.6	BBTM 11	0.435	8.80	1019.9
	C51	0.558	11.53	1234.2				
2120.000	ZAHORRA ART.	0.272	6.38	2219.6	ZAHORRA ART. AR	0.107	1.48	1772.7
	AC32 BASE 15	0.164	3.85	1302.4	AC32 BASE 10	0.110	2.58	1287.8
	AC22 BIN	0.077	1.81	1236.4	BBTM 11	0.436	8.71	1028.6
	C51	0.594	11.51	1245.7				
2140.000	ZAHORRA ART.	0.227	4.99	2224.6	ZAHORRA ART. AR	0.208	3.14	1775.8
	AC32 BASE 15	0.137	3.02	1305.4	AC32 BASE 10	0.107	2.17	1289.9
	AC22 BIN	0.066	1.43	1237.9	BBTM 11	0.436	8.71	1037.3
	C51	0.620	12.13	1257.9				

2160.000	ZAHORRA ART.	0.198	4.25	2228.9	ZAHORRA ART. AR	0.279	4.86	1780.7
	AC32 BASE 15	0.120	2.57	1308.0	AC32 BASE 10	0.113	2.21	1292.1
	AC22 BIN	0.070	1.36	1239.2	BBTM 11	0.435	8.71	1046.1
	C51	0.621	12.40	1270.3				
2180.000	ZAHORRA ART.	0.167	3.65	2232.5	ZAHORRA ART. AR	0.318	5.97	1786.7
	AC32 BASE 15	0.101	2.21	1310.2	AC32 BASE 10	0.111	2.25	1294.4
	AC22 BIN	0.069	1.39	1240.6	BBTM 11	0.435	8.71	1054.8
	C51	0.620	12.41	1282.7				



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PROYECTO :
GRUPO : 0 : CALZADAS PRINCIPALES
C. R. S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 2 : CALZADA DERECHA (CP0L2_a1.vol)

SECCIÓN 0031

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2200.000	ZAHORRA ART.	0.131	2.98	2235.5	ZAHORRA ART. AR	0.348	6.66	1793.3
	AC32 BASE 15	0.079	1.80	1312.0	AC32 BASE 10	0.104	2.15	1296.5
	AC22 BIN	0.176	2.44	1243.1	BBTM 11	0.435	8.71	1063.5
	C51	0.615	12.36	1295.0				
2220.000	ZAHORRA ART.	0.069	2.00	2237.5	ZAHORRA ART. AR	0.426	7.76	1801.1
	AC32 BASE 15	0.042	1.22	1313.3	AC32 BASE 10	0.153	2.59	1299.1
	AC22 BIN	0.639	8.18	1251.2	BBTM 11	0.435	8.70	1072.2
	C51	0.611	12.27	1307.3				
2240.000	ZAHORRA ART.	0.001	0.70	2238.2	ZAHORRA ART. AR	0.562	9.88	1811.0
	AC32 BASE 15	0.000	0.42	1313.7	AC32 BASE 10	0.167	3.20	1302.3
	AC22 BIN	0.817	14.56	1265.8	BBTM 11	0.436	8.71	1080.9
	C51	0.610	12.21	1319.5				
2260.000	ZAHORRA ART.	0.001	0.02	2238.2	ZAHORRA ART. AR	0.757	13.19	1824.2
	AC32 BASE 10	0.220	3.87	1306.2	AC22 BIN	0.927	17.43	1283.2
	BBTM 11	0.435	8.71	1089.6	C51	0.610	12.20	1331.7
2280.000	ZAHORRA ART.	0.001	0.02	2238.2	ZAHORRA ART. AR	0.967	17.24	1841.4
	AC32 BASE 10	0.347	5.67	1311.9	AC22 BIN	1.020	19.47	1302.7
	BBTM 11	0.435	8.70	1098.3	C51	0.610	12.20	1343.9
2300.000	ZAHORRA ART.	0.050	0.51	2238.7	ZAHORRA ART. AR	1.189	21.56	1863.0
	AC32 BASE 10	0.456	8.03	1319.9	AC22 BIN	1.020	20.40	1323.1
	BBTM 11	0.435	8.70	1107.0	C51	0.609	12.19	1356.1
2320.000	ZAHORRA ART.	0.224	2.74	2241.5	ZAHORRA ART. AR	1.191	23.80	1886.8
	AC32 BASE 15	0.101	1.01	1314.7	AC32 BASE 10	0.422	8.78	1328.7
	AC22 BIN	0.987	20.07	1343.2	BBTM 11	0.435	8.70	1115.7
	C51	0.609	12.17	1368.3				
2340.000	ZAHORRA ART.	3.054	32.78	2274.3	ZAHORRA ART. AR	1.191	23.83	1910.6
	AC32 BASE 15	1.800	19.01	1333.7	AC32 BASE 10	1.475	18.97	1347.6
	AC22 BIN	1.022	20.09	1363.3	BBTM 11	0.436	8.71	1124.4
	C51	0.608	12.17	1380.5				
2360.000	ZAHORRA ART.	3.054	61.08	2335.3	ZAHORRA ART. AR	1.121	23.38	1934.0
	AC32 BASE 15	1.799	35.99	1369.7	AC32 BASE 10	1.475	29.50	1377.1
	AC22 BIN	1.023	20.46	1383.7	BBTM 11	0.435	8.71	1133.1

	C51	0.223	7.92	1388.4				
2380.000	ZAHORRA ART.	3.054	61.08	2396.4	ZAHORRA ART. AR	0.771	18.92	1952.9
	AC32 BASE 15	1.799	35.98	1405.7	AC32 BASE 10	1.456	29.31	1406.4
	AC22 BIN	1.023	20.46	1404.2	BBTM 11	0.436	8.71	1141.8
	C51	0.215	4.39	1392.8				



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PROYECTO :
GRUPO : 0 : CALZADAS PRINCIPALES
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 2 : CALZADA DERECHA (CPOL2_a1.vol)

SECCIÓN 0031

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2400.000	ZAHORRA ART.	3.053	61.07	2457.5	ZAHORRA ART. AR	0.446	12.17	1965.0
	AC32 BASE 15	1.799	35.98	1441.6	AC32 BASE 10	1.449	29.05	1435.5
	AC22 BIN	1.022	20.45	1424.6	BBTM 11	0.436	8.71	1150.5
	C51	0.222	4.37	1397.1				
2420.000	ZAHORRA ART.	3.182	62.03	2519.5	ZAHORRA ART. AR	0.000	5.30	1970.4
	AC32 BASE 15	1.910	36.77	1478.4	AC32 BASE 10	1.670	30.47	1466.0
	AC22 BIN	1.268	21.98	1446.6	BBTM 11	0.540	9.36	1159.9
	C51	0.211	4.38	1401.5				
2440.000	ZAHORRA ART.	3.113	62.96	2582.5	AC32 BASE 15	1.868	37.78	1516.2
	AC32 BASE 10	1.643	33.13	1499.1	AC22 BIN	1.285	25.53	1472.1
	BBTM 11	0.548	10.88	1170.8	C51	0.211	4.22	1405.7
2460.000	ZAHORRA ART.	3.025	61.39	2643.9	ZAHORRA ART. AR	0.028	0.28	1970.6
	AC32 BASE 15	1.818	36.86	1553.1	AC32 BASE 10	1.861	35.04	1534.1
	AC22 BIN	1.303	25.88	1498.0	BBTM 11	0.555	11.03	1181.8
	C51	0.267	4.77	1410.5				
2480.000	ZAHORRA ART.	2.971	59.96	2703.8	ZAHORRA ART. AR	0.071	0.99	1971.6
	AC32 BASE 15	1.816	36.34	1589.4	AC32 BASE 10	1.899	37.61	1571.7
	AC22 BIN	1.320	26.23	1524.2	BBTM 11	0.563	11.19	1193.0
	C51	0.281	5.48	1416.0				
2500.000	ZAHORRA ART.	2.916	58.87	2762.7	ZAHORRA ART. AR	0.134	2.06	1973.7
	AC32 BASE 15	1.865	36.81	1626.2	AC32 BASE 10	1.925	38.24	1610.0
	AC22 BIN	1.338	26.58	1550.8	BBTM 11	0.570	11.33	1204.3
	C51	0.296	5.78	1421.8				
2520.000	ZAHORRA ART.	2.842	57.66	2820.4	ZAHORRA ART. AR	0.002	1.06	1974.7
	AC32 BASE 15	1.705	35.21	1661.4	AC32 BASE 10	1.779	37.42	1647.4
	AC22 BIN	1.333	26.80	1577.6	BBTM 11	0.568	11.41	1215.7
	C51	0.241	5.28	1427.1				
2540.000	ZAHORRA ART.	2.763	56.05	2876.4	ZAHORRA ART. AR	0.000	0.02	1974.8
	AC32 BASE 15	1.658	33.64	1695.0	AC32 BASE 10	1.676	34.55	1681.9
	AC22 BIN	1.311	26.44	1604.1	BBTM 11	0.558	11.26	1227.0
	C51	0.231	4.72	1431.8				
2560.000	ZAHORRA ART.	2.673	54.35	2930.8	AC32 BASE 15	1.605	32.63	1727.7
	AC32 BASE 10	1.646	33.22	1715.2	AC22 BIN	1.288	25.99	1630.1
	BBTM 11	0.549	11.07	1238.1	C51	0.221	4.52	1436.3
2580.000	ZAHORRA ART.	2.589	52.61	2983.4	AC32 BASE 15	1.554	31.59	1759.3

AC32 BASE 10	1.310	29.56	1744.7	AC22 BIN	1.266	25.54	1655.6
BBTM 11	0.539	10.88	1249.0	C51	0.164	3.85	1440.1



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PROYECTO :
GRUPO : 0 : CALZADAS PRINCIPALES
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 2 : CALZADA DERECHA (CPOL2_a1.vol)

SECCIÓN 0031

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2600.000	ZAHORRA ART.	2.427	50.16	3033.5	AC32 BASE 15	1.457	30.11	1789.4
	AC32 BASE 10	1.318	26.28	1771.0	AC22 BIN	1.223	24.89	1680.5
	BBTM 11	0.521	10.60	1259.6	C51	0.182	3.46	1443.6
2620.000	ZAHORRA ART.	2.301	47.28	3080.8	AC32 BASE 15	1.381	28.38	1817.8
	AC32 BASE 10	1.175	24.93	1795.9	AC22 BIN	1.181	24.04	1704.5
	BBTM 11	0.503	10.24	1269.8	C51	0.167	3.48	1447.1
2640.000	ZAHORRA ART.	2.175	44.75	3125.6	AC32 BASE 15	1.305	26.87	1844.6
	AC32 BASE 10	1.245	24.20	1820.1	AC22 BIN	1.139	23.20	1727.7
	BBTM 11	0.485	9.88	1279.7	C51	0.182	3.49	1450.6
2660.000	ZAHORRA ART.	2.046	55.10	3180.7	ZAHORRA ART. AR	0.000	11.91	1986.7
	AC32 BASE 15	1.229	32.73	1877.4	AC32 BASE 10	1.305	29.18	1849.3
	AC22 BIN	1.125	22.58	1750.3	BBTM 11	0.479	9.61	1289.3
	C51	0.202	7.97	1458.5				
2680.000	ZAHORRA ART.	1.898	39.44	3220.1	AC32 BASE 15	1.139	23.68	1901.0
	AC32 BASE 10	1.297	26.02	1875.3	AC22 BIN	1.119	22.44	1772.7
	BBTM 11	0.476	9.55	1298.8	C51	0.202	4.04	1462.6
2700.000	ZAHORRA ART.	1.746	36.44	3256.5	AC32 BASE 15	1.049	21.88	1922.9
	AC32 BASE 10	1.143	24.41	1899.7	AC22 BIN	1.099	22.18	1794.9
	BBTM 11	0.467	9.43	1308.3	C51	0.190	3.91	1466.5
2720.000	ZAHORRA ART.	1.597	33.43	3290.0	AC32 BASE 15	0.959	20.08	1943.0
	AC32 BASE 10	0.816	19.59	1919.3	AC22 BIN	1.080	21.79	1816.7
	BBTM 11	0.460	9.27	1317.5	C51	0.297	4.87	1471.3
2740.000	ZAHORRA ART.	1.456	30.53	3320.5	AC32 BASE 15	0.874	18.33	1961.3
	AC32 BASE 10	0.583	13.99	1933.3	AC22 BIN	0.858	19.38	1836.1
	BBTM 11	0.453	9.13	1326.7	C51	0.439	7.36	1478.7
2760.000	ZAHORRA ART.	1.329	27.85	3348.3	ZAHORRA ART. AR	0.045	0.45	1987.2
	AC32 BASE 15	0.798	16.72	1978.0	AC32 BASE 10	0.533	11.16	1944.5
	AC22 BIN	0.610	14.68	1850.8	BBTM 11	0.447	8.99	1335.7
	C51	0.545	9.85	1488.6				
2780.000	ZAHORRA ART.	1.163	24.92	3373.3	ZAHORRA ART. AR	0.192	2.37	1989.5
	AC32 BASE 15	0.699	14.96	1993.0	AC32 BASE 10	0.478	10.11	1954.6
	AC22 BIN	0.470	10.80	1861.6	BBTM 11	0.440	8.87	1344.5
	C51	0.598	11.43	1500.0				
2800.000	ZAHORRA ART.	1.010	21.57	3394.8	ZAHORRA ART. AR	0.363	5.51	1995.0
	AC32 BASE 15	0.607	12.96	2006.0	AC32 BASE 10	0.460	9.30	1963.9
	AC22 BIN	0.313	7.33	1868.9	BBTM 11	0.434	8.75	1353.3
	C51	0.600	11.98	1512.0				



SECCIÓN 0031

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
2820.000	ZAHORRA ART.	0.877	18.88	3413.7	ZAHORRA ART. AR	0.525	8.87	2003.9
	AC32 BASE 15	0.527	11.34	2017.3	AC32 BASE 10	0.447	9.06	1972.9
	AC22 BIN	0.612	9.25	1878.2	BBTM 11	0.432	8.66	1361.9
	C51	0.599	11.99	1524.0				
2840.000	ZAHORRA ART.	0.783	16.61	3430.3	ZAHORRA ART. AR	0.658	11.82	2015.7
	AC32 BASE 15	0.471	9.98	2027.3	AC32 BASE 10	0.454	9.01	1982.0
	AC22 BIN	0.963	15.75	1893.9	BBTM 11	0.432	8.64	1370.6
	C51	0.599	11.99	1536.0				
2860.000	ZAHORRA ART.	0.721	15.03	3445.4	ZAHORRA ART. AR	0.766	14.40	2030.1
	AC32 BASE 15	0.423	8.94	2036.2	AC32 BASE 10	0.481	9.74	1991.7
	AC22 BIN	0.901	19.49	1913.4	BBTM 11	0.432	8.64	1379.2
	C51	0.599	11.99	1547.9				
2880.000	ZAHORRA ART.	0.738	14.59	3459.9	ZAHORRA ART. AR	0.787	15.54	2045.7
	AC32 BASE 15	0.415	8.37	2044.6	AC32 BASE 10	0.450	9.30	2001.0
	AC22 BIN	0.466	13.68	1927.1	BBTM 11	0.432	8.64	1387.9
	C51	0.599	11.99	1559.9				
2886.159	ZAHORRA ART.	0.746	4.57	3464.5	ZAHORRA ART. AR	0.788	4.85	2050.5
	AC32 BASE 15	0.419	2.57	2047.2	AC32 BASE 10	0.453	2.78	2003.8
	AC22 BIN	0.417	2.72	1929.8	BBTM 11	0.432	2.66	1390.5
	C51	0.599	3.69	1563.6				

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* * * RESUMEN DE VOLUMENES TOTALES * * *

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MATERIAL	VOLUMEN
ZAHORRA ART.	3464.5
ZAHORRA ART. AR	2050.5
AC32 BASE 15	2047.2
AC32 BASE 10	2003.8
AC22 BIN	1929.8
BBTM 11	1390.5

C51

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PROYECTO :
 GRUPO : 5 : CALZADAS LATERALES. EJES COMPLEMENTARIOS
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 3 : V30 - CALZADA IZQUIERDA (CPOL3_a1.vol)

SECCIÓN 032

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 * * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
 * * * CAPAS DE FIRME * * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	SUELOCEMENTO	2.150	0.00	0.0	ZAHORRA ART. AR	0.231	0.00	0.0
	SUELO CEMENTO A	0.255	0.00	0.0	AC32 BASE 10	0.775	0.00	0.0
	AC22 BIN	0.611	0.00	0.0	BBTM 11	0.256	0.00	0.0
	Rellenos	1.333	0.00	0.0				
20.000	SUELOCEMENTO	2.164	43.14	43.1	ZAHORRA ART. AR	0.382	6.12	6.1
	SUELO CEMENTO A	0.480	7.36	7.4	AC32 BASE 10	0.775	15.50	15.5
	AC22 BIN	0.690	13.01	13.0	BBTM 11	0.289	5.45	5.5
	Rellenos	0.871	22.04	22.0				
40.000	SUELOCEMENTO	2.164	43.28	86.4	ZAHORRA ART. AR	0.427	8.09	14.2
	SUELO CEMENTO A	0.556	10.36	17.7	AC32 BASE 10	0.775	15.49	31.0
	AC22 BIN	0.716	14.06	27.1	BBTM 11	0.301	5.90	11.4
	Rellenos	0.853	17.24	39.3				
60.000	SUELOCEMENTO	2.163	43.26	129.7	ZAHORRA ART. AR	0.427	8.53	22.7
	SUELO CEMENTO A	0.556	11.12	28.8	AC32 BASE 10	0.774	15.49	46.5
	AC22 BIN	0.716	14.32	41.4	BBTM 11	0.301	6.02	17.4
	Rellenos	0.875	17.16	56.4				
60.000	SUELOCEMENTO	2.163	0.00	129.7	ZAHORRA ART. AR	0.427	0.00	22.7
	SUELO CEMENTO A	0.556	0.00	28.8	AC32 BASE 10	0.774	0.00	46.5
	AC22 BIN	0.716	0.00	41.4	BBTM 11	0.301	0.00	17.4
	Rellenos	0.875	0.00	56.4				
80.000	SUELOCEMENTO	2.163	43.27	173.0	ZAHORRA ART. AR	0.427	8.54	31.3
	SUELO CEMENTO A	0.556	11.12	40.0	AC32 BASE 10	0.774	15.49	62.0
	AC22 BIN	0.716	14.33	55.7	BBTM 11	0.301	6.02	23.4
	Rellenos	0.957	18.32	74.7				
100.000	SUELOCEMENTO	2.164	43.27	216.2	ZAHORRA ART. AR	0.427	8.53	39.8
	SUELO CEMENTO A	0.556	11.12	51.1	AC32 BASE 10	0.774	15.49	77.4
	AC22 BIN	0.716	14.32	70.0	BBTM 11	0.301	6.02	29.4
	Rellenos	1.037	19.93	94.7				
120.000	SUELOCEMENTO	2.157	43.21	259.4	ZAHORRA ART. AR	0.448	8.75	48.6
	SUELO CEMENTO A	0.555	11.11	62.2	AC32 BASE 10	0.775	15.49	92.9
	AC22 BIN	0.716	14.32	84.4	BBTM 11	0.301	6.02	35.4
	Rellenos	1.144	21.81	116.5				
140.000	SUELOCEMENTO	2.149	43.00	302.4	ZAHORRA ART. AR	0.457	9.11	57.7
	SUELO CEMENTO A	0.555	11.11	73.3	AC32 BASE 10	0.775	15.50	108.4
	AC22 BIN	0.716	14.32	98.7	BBTM 11	0.301	6.02	41.4
	Rellenos	1.220	23.66	140.2				



PROYECTO :
 GRUPO : 5 : CALZADAS LATERALES. EJES COMPLEMENTARIOS
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 3 : V30 - CALZADA IZQUIERDA (CPOL3_a1.vol)

SECCIÓN 032

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES * * *
* * * CAPAS DE FIRME * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
180.000	SUELOCEMENTO	2.399	90.95	393.4	ZAHORRA ART. AR	0.457	18.28	76.0
	SUELO CEMENTO A	0.555	22.21	95.5	AC32 BASE 10	0.875	32.99	141.4
	AC22 BIN	0.786	30.04	128.7	BBTM 11	0.331	12.64	54.1
	Rellenos	0.908	42.55	182.7				
200.000	SUELOCEMENTO	2.399	47.98	441.4	ZAHORRA ART. AR	0.457	9.14	85.1
	SUELO CEMENTO A	0.555	11.11	106.6	AC32 BASE 10	0.875	17.50	158.9
	AC22 BIN	0.786	15.72	144.5	BBTM 11	0.331	6.62	60.7
	Rellenos	0.994	19.02	201.7				
260.000	SUELOCEMENTO	2.399	143.93	585.3	ZAHORRA ART. AR	0.457	27.41	112.5
	SUELO CEMENTO A	0.555	33.32	139.9	AC32 BASE 10	0.875	52.49	211.4
	AC22 BIN	0.786	47.17	191.6	BBTM 11	0.331	19.85	80.5
	Rellenos	1.187	65.93	267.7				
280.000	SUELOCEMENTO	2.399	47.98	633.3	ZAHORRA ART. AR	0.457	9.14	121.6
	SUELO CEMENTO A	0.555	11.11	151.0	AC32 BASE 10	0.875	17.50	228.9
	AC22 BIN	0.786	15.72	207.3	BBTM 11	0.331	6.62	87.2
	Rellenos	1.057	21.20	288.9				
300.000	SUELOCEMENTO	2.399	47.98	681.2	ZAHORRA ART. AR	0.457	9.14	130.8
	SUELO CEMENTO A	0.555	11.11	162.1	AC32 BASE 10	0.875	17.50	246.4
	AC22 BIN	0.786	15.72	223.1	BBTM 11	0.331	6.62	93.8
	Rellenos	1.057	21.14	310.0				
320.000	SUELOCEMENTO	2.399	47.98	729.2	ZAHORRA ART. AR	0.457	9.14	139.9
	SUELO CEMENTO A	0.555	11.11	173.3	AC32 BASE 10	0.875	17.50	263.9
	AC22 BIN	0.786	15.72	238.8	BBTM 11	0.331	6.62	100.4
	Rellenos	1.057	21.14	331.1				
340.000	SUELOCEMENTO	2.399	47.98	777.2	ZAHORRA ART. AR	0.457	9.14	149.1
	SUELO CEMENTO A	0.555	11.11	184.4	AC32 BASE 10	0.875	17.50	281.4
	AC22 BIN	0.786	15.72	254.5	BBTM 11	0.331	6.62	107.0
	Rellenos	1.057	21.14	352.3				
360.000	SUELOCEMENTO	2.399	47.98	825.2	ZAHORRA ART. AR	0.457	9.14	158.2
	SUELO CEMENTO A	0.555	11.11	195.5	AC32 BASE 10	0.875	17.50	298.9
	AC22 BIN	0.786	15.72	270.2	BBTM 11	0.331	6.62	113.6
	Rellenos	1.057	21.14	373.4				
380.000	SUELOCEMENTO	2.404	47.99	873.2	ZAHORRA ART. AR	0.452	9.13	167.3
	SUELO CEMENTO A	0.555	11.11	206.6	AC32 BASE 10	0.875	17.50	316.4
	AC22 BIN	0.786	15.72	286.0	BBTM 11	0.331	6.62	120.3
	Rellenos	1.057	21.14	394.6				



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PROYECTO :
GRUPO : 5 : CALZADAS LATERALES. EJES COMPLEMENTARIOS
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 3 : V30 - CALZADA IZQUIERDA (CPOL3_a1.vol)

pagina 3

SECCIÓN 032

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
400.000	SUELO CEMENTO A	2.414	48.22	921.4	ZAHORRA ART. AR	0.427	8.78	176.1
	AC22 BIN	0.556	11.11	217.7	AC32 BASE 10	0.875	17.49	333.9
	Rellenos	0.786	15.73	301.7	BBTM 11	0.331	6.61	126.9
400.000	SUELO CEMENTO A	2.414	0.00	921.4	ZAHORRA ART. AR	0.427	0.00	176.1
	AC22 BIN	0.556	0.00	217.7	AC32 BASE 10	0.875	0.00	333.9
	Rellenos	0.786	0.00	301.7	BBTM 11	0.331	0.00	126.9
420.000	SUELO CEMENTO A	2.414	48.26	969.6	ZAHORRA ART. AR	0.427	8.53	184.6
	AC22 BIN	0.556	11.12	228.8	AC32 BASE 10	0.875	17.49	351.4
	Rellenos	0.786	15.72	317.4	BBTM 11	0.331	6.62	133.5
440.000	SUELO CEMENTO A	2.414	48.27	1017.9	ZAHORRA ART. AR	0.427	8.53	193.2
	AC22 BIN	0.556	11.12	239.9	AC32 BASE 10	0.875	17.50	368.9
	Rellenos	0.786	15.72	333.1	BBTM 11	0.331	6.61	140.1
460.000	SUELO CEMENTO A	2.414	48.27	1066.2	ZAHORRA ART. AR	0.427	8.54	201.7
	AC22 BIN	0.556	11.12	251.0	AC32 BASE 10	0.875	17.50	386.4
	Rellenos	0.786	15.72	348.8	BBTM 11	0.331	6.61	146.7
480.000	SUELO CEMENTO A	2.413	48.27	1114.5	ZAHORRA ART. AR	0.436	8.63	210.3
	AC22 BIN	0.556	11.11	262.2	AC32 BASE 10	0.875	17.49	403.9
	Rellenos	0.786	15.72	364.6	BBTM 11	0.331	6.62	153.3
480.000	SUELO CEMENTO A	2.413	0.00	1114.5	ZAHORRA ART. AR	0.436	0.00	210.3
	AC22 BIN	0.556	0.00	262.2	AC32 BASE 10	0.875	0.00	403.9
	Rellenos	0.786	0.00	364.6	BBTM 11	0.331	0.00	153.3
500.000	SUELO CEMENTO A	2.409	48.25	1162.7	ZAHORRA ART. AR	0.447	8.83	219.2
	AC22 BIN	0.555	11.11	273.3	AC32 BASE 10	0.875	17.49	421.4
	Rellenos	0.786	15.72	380.3	BBTM 11	0.331	6.62	159.9
520.000	SUELO CEMENTO A	2.398	48.07	1210.8	ZAHORRA ART. AR	0.457	9.04	228.2
	AC22 BIN	0.555	11.11	284.4	AC32 BASE 10	0.875	17.49	438.9
	Rellenos	0.786	15.73	396.0	BBTM 11	0.331	6.62	166.6
	Rellenos	1.057	21.15	540.9				



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PROYECTO :

GRUPO : 5 : CALZADAS LATERALES. EJES COMPLEMENTARIOS

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 3 : V30 - CALZADA IZQUIERDA (CPOL3_a1.vol1)

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SECCIÓN 032

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
520.000	SUELOCEMENTO	2.398	0.00	1210.8	ZAHORRA ART. AR	0.457	0.00	228.2
	SUELO CEMENTO A	0.555	0.00	284.4	AC32 BASE 10	0.875	0.00	438.9
	AC22 BIN	0.786	0.00	396.0	BBTM 11	0.331	0.00	166.6
	Rellenos	1.057	0.00	540.9				
540.000	SUELOCEMENTO	2.359	47.57	1258.4	ZAHORRA ART. AR	0.499	9.55	237.8
	SUELO CEMENTO A	0.555	11.10	295.5	AC32 BASE 10	0.875	17.50	456.4
	AC22 BIN	0.787	15.72	411.7	BBTM 11	0.331	6.62	173.2
	Rellenos	1.055	21.13	562.0				
560.000	SUELOCEMENTO	2.335	46.94	1305.3	ZAHORRA ART. AR	0.527	10.25	248.0
	SUELO CEMENTO A	0.555	11.10	306.6	AC32 BASE 10	0.875	17.50	473.9
	AC22 BIN	0.786	15.73	427.5	BBTM 11	0.331	6.61	179.8
	Rellenos	1.052	21.07	583.1				
580.000	SUELOCEMENTO	2.323	46.57	1351.9	ZAHORRA ART. AR	0.536	10.65	258.7
	SUELO CEMENTO A	0.555	11.09	317.7	AC32 BASE 10	0.875	17.50	491.4
	AC22 BIN	0.786	15.72	443.2	BBTM 11	0.331	6.62	186.4
	Rellenos	1.046	21.01	604.1				
600.000	SUELOCEMENTO	2.313	46.36	1398.2	ZAHORRA ART. AR	0.536	10.72	269.4
	SUELO CEMENTO A	0.555	11.09	328.8	AC32 BASE 10	0.875	17.50	508.9
	AC22 BIN	0.786	15.72	458.9	BBTM 11	0.331	6.62	193.0
	Rellenos	1.032	20.79	624.9				
620.000	SUELOCEMENTO	2.438	47.50	1445.7	ZAHORRA ART. AR	0.536	10.72	280.1
	SUELO CEMENTO A	0.554	11.09	339.8	AC32 BASE 10	0.925	18.00	526.9
	AC22 BIN	0.821	16.07	475.0	BBTM 11	0.346	6.77	199.8
	Rellenos	1.023	20.55	645.5				
640.000	SUELOCEMENTO	2.563	50.01	1495.7	ZAHORRA ART. AR	0.536	10.71	290.8
	SUELO CEMENTO A	0.554	11.09	350.9	AC32 BASE 10	0.975	19.00	545.9
	AC22 BIN	0.856	16.77	491.8	BBTM 11	0.361	7.07	206.9
	Rellenos	0.457	11.98	657.4				
660.000	SUELOCEMENTO	2.563	51.25	1547.0	ZAHORRA ART. AR	0.536	10.71	301.5
	SUELO CEMENTO A	0.554	11.08	362.0	AC32 BASE 10	0.975	19.51	565.4
	AC22 BIN	0.856	17.12	508.9	BBTM 11	0.361	7.22	214.1
	Rellenos	0.457	9.14	666.6				
680.000	SUELOCEMENTO	2.563	51.25	1598.2	ZAHORRA ART. AR	0.536	10.71	312.2
	SUELO CEMENTO A	0.554	11.08	373.1	AC32 BASE 10	0.975	19.51	584.9
	AC22 BIN	0.856	17.12	526.0	BBTM 11	0.361	7.22	221.3
	Rellenos	0.457	9.14	675.7				



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PROYECTO :
GRUPO : 5 : CALZADAS LATERALES. EJES COMPLEMENTARIOS
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 3 : V30 - CALZADA IZQUIERDA (CPOL3_a1.vol)

SECCIÓN 032

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
700.000	SUELOCEMENTO	2.563	51.25	1649.5	ZAHORRA ART. AR	0.536	10.71	323.0

	SUELO CEMENTO A	0.554	11.08	384.2	AC32 BASE 10	0.975	19.51	604.4
	AC22 BIN	0.856	17.12	543.1	BBTM 11	0.361	7.22	228.5
	Rellenos	0.457	9.14	684.9				
720.000	SUELOCEMENTO	2.562	51.25	1700.7	ZAHORRA ART. AR	0.536	10.71	333.7
	SUELO CEMENTO A	0.554	11.08	395.3	AC32 BASE 10	0.975	19.51	623.9
	AC22 BIN	0.856	17.12	560.2	BBTM 11	0.361	7.22	235.7
	Rellenos	0.457	9.14	694.0				
740.000	SUELOCEMENTO	2.563	51.25	1752.0	ZAHORRA ART. AR	0.535	10.71	344.4
	SUELO CEMENTO A	0.554	11.09	406.4	AC32 BASE 10	0.975	19.51	643.4
	AC22 BIN	0.856	17.12	577.4	BBTM 11	0.361	7.22	243.0
	Rellenos	1.580	11.96	706.0				
760.000	SUELOCEMENTO	2.563	51.26	1803.2	ZAHORRA ART. AR	0.536	10.72	355.1
	SUELO CEMENTO A	0.555	11.09	417.4	AC32 BASE 10	0.975	19.50	662.9
	AC22 BIN	0.856	17.12	594.5	BBTM 11	0.360	7.21	250.2
	Rellenos	1.574	31.54	737.5				
760.000	SUELOCEMENTO	2.563	0.00	1803.2	ZAHORRA ART. AR	0.536	0.00	355.1
	SUELO CEMENTO A	0.555	0.00	417.4	AC32 BASE 10	0.975	0.00	662.9
	AC22 BIN	0.856	0.00	594.5	BBTM 11	0.360	0.00	250.2
	Rellenos	1.574	0.00	737.5				
780.000	SUELOCEMENTO	2.438	50.01	1853.2	ZAHORRA ART. AR	0.536	10.72	365.8
	SUELO CEMENTO A	0.555	11.09	428.5	AC32 BASE 10	0.925	19.00	681.9
	AC22 BIN	0.822	16.78	611.3	BBTM 11	0.346	7.06	257.2
	Rellenos	1.568	31.42	768.9				
800.000	SUELOCEMENTO	2.312	47.50	1900.7	ZAHORRA ART. AR	0.536	10.71	376.5
	SUELO CEMENTO A	0.555	11.09	439.6	AC32 BASE 10	0.875	18.00	699.9
	AC22 BIN	0.786	16.07	627.3	BBTM 11	0.331	6.77	264.0
	Rellenos	1.330	29.29	798.2				
820.000	SUELOCEMENTO	2.315	46.28	1947.0	ZAHORRA ART. AR	0.536	10.71	387.2
	SUELO CEMENTO A	0.555	11.09	450.7	AC32 BASE 10	0.875	17.50	717.4
	AC22 BIN	0.786	15.72	643.1	BBTM 11	0.331	6.62	270.6
	Rellenos	0.715	20.45	818.7				
840.000	SUELOCEMENTO	2.066	44.10	1991.1	ZAHORRA ART. AR	0.536	10.72	398.0
	SUELO CEMENTO A	0.555	11.09	461.8	AC32 BASE 10	0.804	17.05	734.4
	AC22 BIN	0.746	15.52	658.6	BBTM 11	0.316	6.54	277.2
	Rellenos	0.574	12.03	830.7				



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PROYECTO :
GRUPO : 5 : CALZADAS LATERALES. EJES COMPLEMENTARIOS
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 3 : V30 - CALZADA IZQUIERDA (CPOL3_a1.vol)

SECCIÓN 032

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES * * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

860.000	SUELOCEMENTO	1.957	39.78	2030.9	ZAHORRA ART. AR	0.536	10.72	408.7
	SUELO CEMENTO A	0.555	11.09	472.9	AC32 BASE 10	0.761	15.47	749.9
	AC22 BIN	0.715	14.49	673.1	BBTM 11	0.303	6.15	283.3
	Rellenos	0.669	11.85	842.5				
860.000	SUELOCEMENTO	1.957	0.00	2030.9	ZAHORRA ART. AR	0.536	0.00	408.7

	SUELO CEMENTO A	0.555	0.00	472.9	AC32 BASE 10	0.761	0.00	749.9
	AC22 BIN	0.715	0.00	673.1	BBTM 11	0.303	0.00	283.3
	Rellenos	0.669	0.00	842.5				
880.000	SUELOCEMENTO	1.886	38.70	2069.6	ZAHORRA ART. AR	0.536	10.71	419.4
	SUELO CEMENTO A	0.555	11.09	484.0	AC32 BASE 10	0.732	15.03	764.9
	AC22 BIN	0.696	14.19	687.2	BBTM 11	0.295	6.02	289.3
	Rellenos	0.665	13.34	855.9				
900.000	SUELOCEMENTO	1.828	36.98	2106.6	ZAHORRA ART. AR	0.536	10.72	430.1
	SUELO CEMENTO A	0.555	11.09	495.1	AC32 BASE 10	0.709	14.35	779.3
	AC22 BIN	0.680	13.71	701.0	BBTM 11	0.288	5.81	295.1
	Rellenos	0.565	12.45	868.3				
920.000	SUELOCEMENTO	1.829	36.55	2143.1	ZAHORRA ART. AR	0.536	10.71	440.8
	SUELO CEMENTO A	0.555	11.09	506.2	AC32 BASE 10	0.709	14.18	793.5
	AC22 BIN	0.680	13.58	714.5	BBTM 11	0.288	5.76	300.9
	Rellenos	0.563	11.29	879.6				
930.042	SUELOCEMENTO	1.822	18.34	2161.5	ZAHORRA ART. AR	0.536	5.38	446.2
	SUELO CEMENTO A	0.555	5.57	511.8	AC32 BASE 10	0.706	7.11	800.6
	AC22 BIN	0.678	6.82	721.4	BBTM 11	0.287	2.89	303.8
	Rellenos	0.562	5.65	885.3				



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PROYECTO :
GRUPO : 5 : CALZADAS LATERALES. EJES COMPLEMENTARIOS
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 3 : V30 - CALZADA IZQUIERDA (CPOL3_a1.vol)

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* * * RESUMEN DE VOLUMENES TOTALES * * *

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MATERIAL	VOLUMEN
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SUELOCEMENTO	2161.5
ZAHORRA ART. AR	446.2
SUELO CEMENTO A	511.8
AC32 BASE 10	800.6
AC22 BIN	721.4
BBTM 11	303.8
Rellenos	885.3

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 PROYECTO :
 GRUPO : 1 : CALZADAS LATERALES
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 4 : CALZADA LATERAL IZQUIERDA (CPOL4_a1.vol)

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SECCIÓN 132

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	SUELOCEMENTO	1.439	0.00	0.0	SUELO CEMENTO A	0.831	0.00	0.0
	AC32 BASE 10	0.699	0.00	0.0	AC22 BIN	0.673	0.00	0.0
	BBTM 11	0.285	0.00	0.0	Relenos	0.458	0.00	0.0
20.000	SUELOCEMENTO	1.451	28.82	28.8	SUELO CEMENTO A	0.830	16.62	16.6
	AC32 BASE 10	0.705	14.00	14.0	AC22 BIN	0.677	13.47	13.5
	BBTM 11	0.287	5.71	5.7	Relenos	0.460	9.18	9.2
40.000	SUELOCEMENTO	1.465	28.92	57.7	SUELO CEMENTO A	0.831	16.62	33.2
	AC32 BASE 10	0.712	14.06	28.1	AC22 BIN	0.682	13.50	27.0
	BBTM 11	0.289	5.73	11.4	Relenos	0.461	9.21	18.4
60.000	SUELOCEMENTO	1.502	29.64	87.4	SUELO CEMENTO A	0.831	16.62	49.8
	AC32 BASE 10	0.730	14.41	42.5	AC22 BIN	0.694	13.75	40.7
	BBTM 11	0.294	5.83	17.3	Relenos	0.461	9.23	27.6
80.000	SUELOCEMENTO	1.586	30.71	118.1	SUELO CEMENTO A	0.831	16.61	66.5
	AC32 BASE 10	0.773	14.95	57.4	AC22 BIN	0.724	14.13	54.9
	BBTM 11	0.307	5.99	23.3	Relenos	0.461	9.23	36.8
100.000	SUELOCEMENTO	1.642	32.29	150.4	SUELO CEMENTO A	0.831	16.62	83.1
	AC32 BASE 10	0.801	15.74	73.2	AC22 BIN	0.744	14.68	69.5
	BBTM 11	0.316	6.23	29.5	Relenos	0.461	9.23	46.1
120.000	SUELOCEMENTO	1.704	33.30	183.7	SUELO CEMENTO A	0.831	16.61	99.7
	AC32 BASE 10	0.832	16.24	89.4	AC22 BIN	0.765	15.03	84.6
	BBTM 11	0.325	6.38	35.9	Relenos	0.461	9.23	55.3
140.000	SUELOCEMENTO	1.795	34.95	218.6	SUELO CEMENTO A	0.831	16.62	116.3
	AC32 BASE 10	0.874	17.06	106.5	AC22 BIN	0.786	15.57	100.1
	BBTM 11	0.331	6.58	42.4	Relenos	0.480	9.30	64.6
160.000	SUELOCEMENTO	1.840	36.55	255.2	SUELO CEMENTO A	0.831	16.62	132.9
	AC32 BASE 10	0.875	17.49	124.0	AC22 BIN	0.786	15.72	115.9
	BBTM 11	0.331	6.62	49.1	Relenos	0.604	10.65	75.2
180.000	SUELOCEMENTO	1.840	36.80	292.0	SUELO CEMENTO A	0.831	16.61	149.5
	AC32 BASE 10	0.875	17.49	141.4	AC22 BIN	0.786	15.72	131.6
	BBTM 11	0.331	6.62	55.7	Relenos	0.763	13.67	88.9
200.000	SUELOCEMENTO	1.840	36.80	328.8	SUELO CEMENTO A	0.831	16.61	166.1
	AC32 BASE 10	0.875	17.50	158.9	AC22 BIN	0.786	15.72	147.3
	BBTM 11	0.331	6.62	62.3	Relenos	0.863	16.26	105.2
220.000	SUELOCEMENTO	1.840	36.80	365.6	SUELO CEMENTO A	0.830	16.61	182.8
	AC32 BASE 10	0.875	17.50	176.4	AC22 BIN	0.786	15.72	163.0
	BBTM 11	0.331	6.62	68.9	Relenos	0.862	17.24	122.4

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 PROYECTO :
 GRUPO : 1 : CALZADAS LATERALES
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

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EJE : 4 : CALZADA LATERAL IZQUIERDA (CPOL4_a1.vol)

SECCIÓN 132

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* * *	MEDICIONES DE LOS PERFILES TRANSVERSALES	* * *
* * *	CAPAS DE FIRME	* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
240.000	SUELOCEMENTO	1.840	36.80	402.4	SUELO CEMENTO A	0.830	16.60	199.4
	AC32 BASE 10	0.875	17.49	193.9	AC22 BIN	0.786	15.72	178.7
	BBTM 11	0.331	6.62	75.5	Rellenos	0.908	17.70	140.1
260.000	SUELOCEMENTO	1.840	36.80	439.2	SUELO CEMENTO A	0.830	16.60	216.0
	AC32 BASE 10	0.875	17.50	211.4	AC22 BIN	0.786	15.72	194.5
	BBTM 11	0.330	6.61	82.2	Rellenos	0.864	17.72	157.8



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PROYECTO :
GRUPO : 1 : CALZADAS LATERALES
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 4 : CALZADA LATERAL IZQUIERDA (CPOL4_a1.vol)

ESTRUCTURA

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* * *	MEDICIONES DE LOS PERFILES TRANSVERSALES	* * *
* * *	CAPAS DE FIRME	* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
280.000	SUELOCEMENTO	0.000	18.40	457.6	SUELO CEMENTO A	0.000	8.30	224.3
	AC32 BASE 10	0.000	8.75	220.2	AC22 BIN	0.786	15.73	210.2
	BBTM 11	0.331	6.61	88.8	Rellenos	0.208	10.71	168.5
300.000	AC22 BIN	0.786	15.72	225.9	BBTM 11	0.331	6.62	95.4
	Rellenos	0.208	4.16	172.7				
320.000	AC22 BIN	0.786	15.72	241.6	BBTM 11	0.331	6.62	102.0
	Rellenos	0.170	3.78	176.5				
340.000	AC22 BIN	0.787	15.73	257.4	BBTM 11	0.331	6.62	108.6
	Rellenos	0.167	3.48	180.0				
360.000	AC22 BIN	0.786	15.73	273.1	BBTM 11	0.331	6.62	115.2
	Rellenos	0.167	3.34	183.3				
360.000	AC22 BIN	0.786	0.00	273.1	BBTM 11	0.331	0.00	115.2
	Rellenos	0.167	0.00	183.3				
380.000	AC22 BIN	0.786	15.73	288.8	BBTM 11	0.331	6.62	121.8
	Rellenos	0.163	3.30	186.6				
380.000	AC22 BIN	0.786	0.00	288.8	BBTM 11	0.331	0.00	121.8
	Rellenos	0.163	0.00	186.6				
400.000	AC22 BIN	0.787	15.73	304.6	BBTM 11	0.331	6.61	128.5
	Rellenos	0.165	3.28	189.9				
420.000	AC22 BIN	0.786	15.73	320.3	BBTM 11	0.331	6.62	135.1
	Rellenos	0.168	3.33	193.2				
440.000	AC22 BIN	0.787	15.73	336.0	BBTM 11	0.330	6.61	141.7
	Rellenos	0.170	3.39	196.6				



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PROYECTO :
GRUPO : 1 : CALZADAS LATERALES
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 4 : CALZADA LATERAL IZQUIERDA (CPOL4_a1.vol)

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SECCIÓN 132

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
460.000	SUELOCEMENTO	1.840	18.40	476.0	SUELO CEMENTO A	0.828	8.28	232.5
	AC32 BASE 10	0.875	8.75	228.9	AC22 BIN	0.786	15.73	351.7
	BBTM 11	0.331	6.61	148.3	Relenos	0.917	10.87	207.5
480.000	SUELOCEMENTO	1.840	36.81	512.8	SUELO CEMENTO A	0.828	16.57	249.1
	AC32 BASE 10	0.875	17.50	246.4	AC22 BIN	0.786	15.73	367.5
	BBTM 11	0.331	6.61	154.9	Relenos	0.921	18.35	225.8
500.000	SUELOCEMENTO	1.840	36.80	549.6	SUELO CEMENTO A	0.829	16.57	265.7
	AC32 BASE 10	0.875	17.51	263.9	AC22 BIN	0.786	15.72	383.2
	BBTM 11	0.331	6.62	161.5	Relenos	0.939	18.61	244.5
520.000	SUELOCEMENTO	1.840	36.81	586.4	SUELO CEMENTO A	0.829	16.58	282.3
	AC32 BASE 10	0.875	17.50	281.4	AC22 BIN	0.786	15.72	398.9
	BBTM 11	0.331	6.62	168.2	Relenos	0.942	18.82	263.3
540.000	SUELOCEMENTO	1.840	36.80	623.2	SUELO CEMENTO A	0.830	16.59	298.9
	AC32 BASE 10	0.875	17.50	298.9	AC22 BIN	0.786	15.72	414.6
	BBTM 11	0.331	6.61	174.8	Relenos	0.942	18.84	282.1
540.000	SUELOCEMENTO	1.840	0.00	623.2	SUELO CEMENTO A	0.830	0.00	298.9
	AC32 BASE 10	0.875	0.00	298.9	AC22 BIN	0.786	0.00	414.6
	BBTM 11	0.331	0.00	174.8	Relenos	0.942	0.00	282.1
560.000	SUELOCEMENTO	1.840	36.80	660.0	SUELO CEMENTO A	0.830	16.59	315.4
	AC32 BASE 10	0.875	17.50	316.4	AC22 BIN	0.786	15.72	430.3
	BBTM 11	0.331	6.62	181.4	Relenos	0.942	18.83	300.9
580.000	SUELOCEMENTO	1.840	36.80	696.8	SUELO CEMENTO A	0.830	16.59	332.0
	AC32 BASE 10	0.875	17.50	333.9	AC22 BIN	0.786	15.72	446.1
	BBTM 11	0.331	6.62	188.0	Relenos	0.518	14.60	315.5
600.000	SUELOCEMENTO	1.840	36.79	733.6	SUELO CEMENTO A	0.830	16.59	348.6
	AC32 BASE 10	0.875	17.50	351.5	AC22 BIN	0.786	15.72	461.8
	BBTM 11	0.331	6.62	194.6	Relenos	0.518	10.37	325.9
620.000	SUELOCEMENTO	1.840	36.80	770.4	SUELO CEMENTO A	0.830	16.59	365.2
	AC32 BASE 10	0.875	17.50	369.0	AC22 BIN	0.786	15.72	477.5
	BBTM 11	0.331	6.62	201.2	Relenos	0.518	10.37	336.3
640.000	SUELOCEMENTO	1.840	36.80	807.2	SUELO CEMENTO A	0.830	16.59	381.8
	AC32 BASE 10	0.875	17.50	386.5	AC22 BIN	0.786	15.72	493.2
	BBTM 11	0.331	6.61	207.9	Relenos	0.518	10.37	346.6
640.000	SUELOCEMENTO	1.840	0.00	807.2	SUELO CEMENTO A	0.830	0.00	381.8
	AC32 BASE 10	0.875	0.00	386.5	AC22 BIN	0.786	0.00	493.2
	BBTM 11	0.331	0.00	207.9	Relenos	0.518	0.00	346.6



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PROYECTO :
GRUPO : 1 : CALZADAS LATERALES

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C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 4 : CALZADA LATERAL IZQUIERDA (CPOL4_a1.vol)

SECCIÓN 132

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
660.000	SUELOCEMENTO	1.840	36.80	844.0	SUELO CEMENTO A	0.830	16.60	398.4
	AC32 BASE 10	0.875	17.50	404.0	AC22 BIN	0.786	15.72	508.9
	BBTM 11	0.331	6.61	214.5	Relenos	0.518	10.37	357.0
660.000	SUELOCEMENTO	1.840	0.00	844.0	SUELO CEMENTO A	0.830	0.00	398.4
	AC32 BASE 10	0.875	0.00	404.0	AC22 BIN	0.786	0.00	508.9
	BBTM 11	0.331	0.00	214.5	Relenos	0.518	0.00	357.0
680.000	SUELOCEMENTO	1.840	36.79	880.8	SUELO CEMENTO A	0.830	16.59	415.0
	AC32 BASE 10	0.875	17.50	421.5	AC22 BIN	0.786	15.72	524.7
	BBTM 11	0.331	6.62	221.1	Relenos	0.518	10.37	367.4
700.000	SUELOCEMENTO	1.840	36.79	917.6	SUELO CEMENTO A	0.830	16.59	431.6
	AC32 BASE 10	0.875	17.50	439.0	AC22 BIN	0.786	15.72	540.4
	BBTM 11	0.331	6.62	227.7	Relenos	0.518	10.37	377.7
720.000	SUELOCEMENTO	1.840	36.79	954.4	SUELO CEMENTO A	0.830	16.59	448.2
	AC32 BASE 10	0.875	17.50	456.5	AC22 BIN	0.786	15.72	556.1
	BBTM 11	0.331	6.62	234.3	Relenos	0.518	10.37	388.1
740.000	SUELOCEMENTO	1.840	36.80	991.2	SUELO CEMENTO A	0.830	16.59	464.8
	AC32 BASE 10	0.875	17.50	474.0	AC22 BIN	0.786	15.72	571.8
	BBTM 11	0.331	6.62	240.9	Relenos	0.518	10.37	398.5
760.000	SUELOCEMENTO	1.840	36.80	1028.0	SUELO CEMENTO A	0.830	16.59	481.4
	AC32 BASE 10	0.875	17.50	491.5	AC22 BIN	0.786	15.72	587.5
	BBTM 11	0.331	6.62	247.5	Relenos	0.518	10.36	408.8
780.000	SUELOCEMENTO	1.840	36.80	1064.8	SUELO CEMENTO A	0.830	16.59	498.0
	AC32 BASE 10	0.875	17.50	509.0	AC22 BIN	0.786	15.72	603.3
	BBTM 11	0.331	6.62	254.2	Relenos	0.518	10.36	419.2
800.000	SUELOCEMENTO	1.840	36.80	1101.6	SUELO CEMENTO A	0.830	16.59	514.6
	AC32 BASE 10	0.875	17.50	526.5	AC22 BIN	0.786	15.72	619.0
	BBTM 11	0.331	6.62	260.8	Relenos	0.566	10.84	430.1
820.000	SUELOCEMENTO	1.840	36.80	1138.3	SUELO CEMENTO A	0.830	16.59	531.2
	AC32 BASE 10	0.875	17.50	544.0	AC22 BIN	0.786	15.72	634.7
	BBTM 11	0.331	6.62	267.4	Relenos	0.911	14.77	444.8
840.000	SUELOCEMENTO	1.840	36.80	1175.1	SUELO CEMENTO A	0.830	16.59	547.7
	AC32 BASE 10	0.875	17.50	561.5	AC22 BIN	0.786	15.72	650.4
	BBTM 11	0.331	6.62	274.0	Relenos	1.006	19.18	464.0
860.000	SUELOCEMENTO	1.840	36.80	1211.9	SUELO CEMENTO A	0.830	16.59	564.3
	AC32 BASE 10	0.875	17.50	579.0	AC22 BIN	0.786	15.72	666.1
	BBTM 11	0.331	6.62	280.6	Relenos	0.518	15.25	479.3



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PROYECTO :

GRUPO : 1 : CALZADAS LATERALES

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 4 : CALZADA LATERAL IZQUIERDA (CPOL4_a1.vol)

SECCIÓN 132

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
880.000	SUELOCEMENTO	1.840	36.79	1248.7	SUELO CEMENTO A	0.830	16.59	580.9
	AC32 BASE 10	0.875	17.50	596.5	AC22 BIN	0.786	15.72	681.9
	BBTM 11	0.331	6.62	287.2	Relenos	0.987	15.05	494.3
900.000	SUELOCEMENTO	1.840	36.80	1285.5	SUELO CEMENTO A	0.830	16.59	597.5
	AC32 BASE 10	0.875	17.50	614.0	AC22 BIN	0.786	15.72	697.6
	BBTM 11	0.331	6.62	293.9	Relenos	0.613	16.00	510.3
920.000	SUELOCEMENTO	1.840	36.80	1322.3	SUELO CEMENTO A	0.830	16.59	614.1
	AC32 BASE 10	0.875	17.50	631.5	AC22 BIN	0.786	15.72	713.3
	BBTM 11	0.331	6.62	300.5	Relenos	0.520	11.33	521.6
940.000	SUELOCEMENTO	1.840	36.80	1359.1	SUELO CEMENTO A	0.830	16.59	630.7
	AC32 BASE 10	0.875	17.50	649.0	AC22 BIN	0.786	15.72	729.0
	BBTM 11	0.331	6.62	307.1	Relenos	0.566	10.86	532.5
960.000	SUELOCEMENTO	1.840	36.79	1395.9	SUELO CEMENTO A	0.830	16.59	647.3
	AC32 BASE 10	0.875	17.50	666.5	AC22 BIN	0.786	15.72	744.7
	BBTM 11	0.331	6.62	313.7	Relenos	0.566	11.32	543.8
980.000	SUELOCEMENTO	1.840	36.80	1432.7	SUELO CEMENTO A	0.830	16.59	663.9
	AC32 BASE 10	0.875	17.50	684.0	AC22 BIN	0.786	15.72	760.5
	BBTM 11	0.331	6.62	320.3	Relenos	1.046	16.12	559.9
1000.000	SUELOCEMENTO	1.840	36.80	1469.5	SUELO CEMENTO A	0.830	16.59	680.5
	AC32 BASE 10	0.875	17.50	701.5	AC22 BIN	0.786	15.72	776.2
	BBTM 11	0.331	6.62	326.9	Relenos	1.054	21.00	580.9
1020.000	SUELOCEMENTO	1.840	36.80	1506.3	SUELO CEMENTO A	0.830	16.59	697.1
	AC32 BASE 10	0.875	17.50	719.0	AC22 BIN	0.786	15.72	791.9
	BBTM 11	0.331	6.62	333.6	Relenos	1.054	21.08	602.0
1040.000	SUELOCEMENTO	1.840	36.80	1543.1	SUELO CEMENTO A	0.830	16.59	713.7
	AC32 BASE 10	0.875	17.50	736.5	AC22 BIN	0.786	15.72	807.6
	BBTM 11	0.331	6.62	340.2	Relenos	1.054	21.08	623.1
1060.000	SUELOCEMENTO	1.840	36.80	1579.9	SUELO CEMENTO A	0.830	16.59	730.3
	AC32 BASE 10	0.875	17.50	754.0	AC22 BIN	0.786	15.72	823.3
	BBTM 11	0.331	6.62	346.8	Relenos	1.054	21.08	644.2
1060.000	SUELOCEMENTO	1.840	0.00	1579.9	SUELO CEMENTO A	0.830	0.00	730.3
	AC32 BASE 10	0.875	0.00	754.0	AC22 BIN	0.786	0.00	823.3
	BBTM 11	0.331	0.00	346.8	Relenos	1.054	0.00	644.2
1080.000	SUELOCEMENTO	1.840	36.80	1616.7	SUELO CEMENTO A	0.830	16.59	746.9
	AC32 BASE 10	0.875	17.50	771.5	AC22 BIN	0.786	15.72	839.1
	BBTM 11	0.331	6.62	353.4	Relenos	1.054	21.08	665.3



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PROYECTO :

GRUPO : 1 : CALZADAS LATERALES

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 4 : CALZADA LATERAL IZQUIERDA (CP0L4_a1.vol1)

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SECCIÓN 132

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1100.000	SUELOCEMENTO	1.840	36.80	1653.5	SUELO CEMENTO A	0.830	16.59	763.5
	AC32 BASE 10	0.875	17.50	789.0	AC22 BIN	0.786	15.72	854.8
	BBTM 11	0.331	6.62	360.0	Relenos	1.052	21.05	686.3
1120.000	SUELOCEMENTO	1.840	36.80	1690.3	SUELO CEMENTO A	0.829	16.59	780.0
	AC32 BASE 10	0.875	17.50	806.5	AC22 BIN	0.786	15.72	870.5
	BBTM 11	0.331	6.62	366.6	Relenos	1.051	21.03	707.3
1120.000	SUELOCEMENTO	1.840	0.00	1690.3	SUELO CEMENTO A	0.829	0.00	780.0
	AC32 BASE 10	0.875	0.00	806.5	AC22 BIN	0.786	0.00	870.5
	BBTM 11	0.331	0.00	366.6	Relenos	1.051	0.00	707.3
1140.000	SUELOCEMENTO	1.840	36.80	1727.1	SUELO CEMENTO A	0.830	16.59	796.6
	AC32 BASE 10	0.875	17.50	824.0	AC22 BIN	0.786	15.73	886.2
	BBTM 11	0.331	6.62	373.3	Relenos	1.050	21.01	728.3
1160.000	SUELOCEMENTO	1.840	36.80	1763.9	SUELO CEMENTO A	0.830	16.59	813.2
	AC32 BASE 10	0.875	17.50	841.5	AC22 BIN	0.786	15.72	901.9
	BBTM 11	0.331	6.62	379.9	Relenos	1.050	20.99	749.3
1180.000	SUELOCEMENTO	1.840	36.80	1800.7	SUELO CEMENTO A	0.830	16.59	829.8
	AC32 BASE 10	0.875	17.50	859.0	AC22 BIN	0.786	15.72	917.7
	BBTM 11	0.331	6.62	386.5	Relenos	1.050	20.99	770.3
1200.000	SUELOCEMENTO	1.840	36.80	1837.5	SUELO CEMENTO A	0.830	16.60	846.4
	AC32 BASE 10	0.875	17.50	876.5	AC22 BIN	0.786	15.72	933.4
	BBTM 11	0.331	6.62	393.1	Relenos	1.050	20.99	791.3
1220.000	SUELOCEMENTO	1.840	36.80	1874.3	SUELO CEMENTO A	0.830	16.60	863.0
	AC32 BASE 10	0.875	17.50	894.0	AC22 BIN	0.786	15.72	949.1
	BBTM 11	0.331	6.62	399.7	Relenos	0.842	18.92	810.2
1240.000	SUELOCEMENTO	1.840	36.80	1911.1	SUELO CEMENTO A	0.830	16.60	879.6
	AC32 BASE 10	0.875	17.50	911.5	AC22 BIN	0.786	15.72	964.8
	BBTM 11	0.331	6.62	406.3	Relenos	0.649	14.91	825.1
1260.000	SUELOCEMENTO	1.822	36.62	1947.7	SUELO CEMENTO A	0.830	16.60	896.2
	AC32 BASE 10	0.875	17.50	929.0	AC22 BIN	0.786	15.72	980.6
	BBTM 11	0.331	6.62	413.0	Relenos	0.534	11.83	837.0
1280.000	SUELOCEMENTO	1.752	35.74	1983.5	SUELO CEMENTO A	0.830	16.60	912.8
	AC32 BASE 10	0.856	17.31	946.3	AC22 BIN	0.782	15.68	996.2
	BBTM 11	0.331	6.62	419.6	Relenos	0.488	10.23	847.2
1300.000	SUELOCEMENTO	1.664	34.16	2017.6	SUELO CEMENTO A	0.830	16.60	929.4
	AC32 BASE 10	0.812	16.68	963.0	AC22 BIN	0.752	15.34	1011.6
	BBTM 11	0.319	6.50	426.1	Relenos	0.487	9.75	857.0



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 PROYECTO :
 GRUPO : 1 : CALZADAS LATERALES
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
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 * * * MEDICIONES DE LOS PERFILES TRANSVERSALES * * *
 * * * CAPAS DE FIRME * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
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1320.000	SUELOCEMENTO	1.689	33.54	2051.2	SUELO CEMENTO A	0.830	16.60	946.0
	AC32 BASE 10	0.825	16.37	979.4	AC22 BIN	0.760	15.12	1026.7
	BBTM 11	0.323	6.42	432.5	Rellenos	0.487	9.74	866.7
1340.000	SUELOCEMENTO	1.632	33.22	2084.4	SUELO CEMENTO A	0.830	16.59	962.6
	AC32 BASE 10	0.796	16.21	995.6	AC22 BIN	0.741	15.01	1041.7
	BBTM 11	0.314	6.37	438.9	Rellenos	0.487	9.74	876.4
1340.000	SUELOCEMENTO	1.632	0.00	2084.4	SUELO CEMENTO A	0.830	0.00	962.6
	AC32 BASE 10	0.796	0.00	995.6	AC22 BIN	0.741	0.00	1041.7
	BBTM 11	0.314	0.00	438.9	Rellenos	0.487	0.00	876.4
1360.000	SUELOCEMENTO	1.563	31.96	2116.3	SUELO CEMENTO A	0.830	16.60	979.2
	AC32 BASE 10	0.761	15.58	1011.1	AC22 BIN	0.716	14.57	1056.3
	BBTM 11	0.304	6.18	445.1	Rellenos	0.487	9.74	886.2
1380.000	SUELOCEMENTO	1.488	30.51	2146.8	SUELO CEMENTO A	0.830	16.60	995.8
	AC32 BASE 10	0.724	14.85	1026.0	AC22 BIN	0.690	14.06	1070.3
	BBTM 11	0.293	5.97	451.0	Rellenos	0.487	9.74	895.9
1395.872	SUELOCEMENTO	1.840	26.41	2173.3	SUELO CEMENTO A	0.830	13.17	1008.9
	AC32 BASE 10	0.875	12.69	1038.7	AC22 BIN	0.786	11.71	1082.1
	BBTM 11	0.331	4.95	456.0	Rellenos	1.050	12.19	908.1



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PROYECTO :
GRUPO : 1 : CALZADAS LATERALES
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 4 : CALZADA LATERAL IZQUIERDA (CPOL4_a1.vol)

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* * * RESUMEN DE VOLUMENES TOTALES * * *

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MATERIAL	VOLUMEN
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SUELOCEMENTO	2173.3
SUELO CEMENTO A	1008.9
AC32 BASE 10	1038.7
AC22 BIN	1082.1
BBTM 11	456.0
Rellenos	908.1

PROYECTO :
 GRUPO : 5 : CALZADAS LATERALES. EJES COMPLEMENTARIOS
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 5 : TRANSFER CALZADA IZQUIERDA-C.L.I. (CPOL5_a1.vol1)

SECCIÓN 132

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 * * * MEDICIONES DE LOS PERFILES TRANSVERSALES * * *
 * * * CAPAS DE FIRME * * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	SUELOCEMENTO	1.148	0.00	0.0	SUELO CEMENTO A	0.918	0.00	0.0
	AC32 BASE 10	0.525	0.00	0.0	AC22 BIN	0.541	0.00	0.0
	BBTM 11	0.226	0.00	0.0	Relenos	1.043	0.00	0.0
20.000	SUELOCEMENTO	0.790	19.39	19.4	SUELO CEMENTO A	0.918	18.37	18.4
	AC32 BASE 10	0.375	9.00	9.0	AC22 BIN	0.446	9.87	9.9
	BBTM 11	0.188	4.14	4.1	Relenos	0.566	16.09	16.1
40.000	SUELOCEMENTO	0.839	16.34	35.7	SUELO CEMENTO A	0.919	18.37	36.7
	AC32 BASE 10	0.400	7.78	16.8	AC22 BIN	0.463	9.10	19.0
	BBTM 11	0.195	3.84	8.0	Relenos	0.568	11.34	27.4
60.000	SUELOCEMENTO	0.888	17.27	53.0	SUELO CEMENTO A	0.918	18.36	55.1
	AC32 BASE 10	0.424	8.24	25.0	AC22 BIN	0.480	9.43	28.4
	BBTM 11	0.203	3.98	12.0	Relenos	0.568	11.36	38.8
80.000	SUELOCEMENTO	0.974	18.62	71.6	SUELO CEMENTO A	0.914	18.31	73.4
	AC32 BASE 10	0.467	8.91	33.9	AC22 BIN	0.510	9.90	38.3
	BBTM 11	0.215	4.18	16.1	Relenos	0.555	11.23	50.0
100.000	SUELOCEMENTO	1.089	20.70	92.3	SUELO CEMENTO A	0.910	18.24	91.7
	AC32 BASE 10	0.521	9.91	43.8	AC22 BIN	0.548	10.60	48.9
	BBTM 11	0.232	4.48	20.6	Relenos	0.407	9.36	59.4
120.000	SUELOCEMENTO	1.126	22.15	114.5	SUELO CEMENTO A	0.906	18.16	109.8
	AC32 BASE 10	0.538	10.59	54.4	AC22 BIN	0.559	11.07	60.0
	BBTM 11	0.236	4.67	25.3	Relenos	0.491	8.97	68.4
140.000	SUELOCEMENTO	1.151	23.04	137.5	SUELO CEMENTO A	0.904	18.10	127.9
	AC32 BASE 10	0.549	10.99	65.4	AC22 BIN	0.567	11.29	71.3
	BBTM 11	0.237	4.73	30.0	Relenos	0.316	8.23	76.6
160.000	SUELOCEMENTO	1.246	24.24	161.8	SUELO CEMENTO A	0.896	18.07	146.0
	AC32 BASE 10	0.569	11.25	76.7	AC22 BIN	0.572	11.39	82.7
	BBTM 11	0.239	4.77	34.8	Relenos	0.145	4.82	81.4
180.000	SUELOCEMENTO	1.267	24.90	186.7	SUELO CEMENTO A	0.762	16.72	162.7
	AC32 BASE 10	0.575	11.44	88.1	AC22 BIN	0.572	11.47	94.1
	BBTM 11	0.241	4.80	39.6	Relenos	0.154	1.98	83.4
200.000	SUELOCEMENTO	1.267	25.35	212.0	SUELO CEMENTO A	0.639	13.98	176.7
	AC32 BASE 10	0.575	11.50	99.6	AC22 BIN	0.548	11.20	105.3
	BBTM 11	0.232	4.74	44.3	Relenos	0.448	6.07	89.5
220.000	SUELOCEMENTO	1.249	25.20	237.2	SUELO CEMENTO A	0.363	9.81	186.5
	AC32 BASE 10	0.566	11.43	111.0	AC22 BIN	0.481	10.27	115.6
	BBTM 11	0.203	4.34	48.7	Relenos	0.608	10.90	100.4



PROYECTO :
 GRUPO : 5 : CALZADAS LATERALES. EJES COMPLEMENTARIOS
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 5 : TRANSFER CALZADA IZQUIERDA-C.L.I. (CPOL5_a1.vol)

SECCIÓN 132

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES * * *
* * * CAPAS DE FIRME * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
240.000	SUELOCEMENTO	1.225	24.74	261.9	SUELO CEMENTO A	0.231	5.94	192.4
	AC32 BASE 10	0.554	11.20	122.2	AC22 BIN	0.442	9.22	124.8
	BBTM 11	0.186	3.89	52.6	Rellenos	0.657	12.65	113.0
260.000	SUELOCEMENTO	1.202	24.28	286.2	SUELO CEMENTO A	0.127	3.54	196.0
	AC32 BASE 10	0.543	10.97	133.2	AC22 BIN	0.409	8.50	133.3
	BBTM 11	0.172	3.58	56.1	Rellenos	0.666	13.28	126.3
280.000	SUELOCEMENTO	1.181	23.83	310.1	SUELO CEMENTO A	0.037	1.62	197.6
	AC32 BASE 10	0.532	10.75	144.0	AC22 BIN	0.381	7.89	141.2
	BBTM 11	0.160	3.32	59.5	Rellenos	0.666	13.32	139.6
294.729	SUELOCEMENTO	1.167	17.04	327.1	SUELO CEMENTO A	0.905	0.22	197.8
	AC32 BASE 10	0.525	7.79	151.7	AC22 BIN	0.541	5.44	146.6
	BBTM 11	0.226	2.29	61.7	Rellenos	1.442	9.81	149.4



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PROYECTO :
GRUPO : 5 : CALZADAS LATERALES. EJES COMPLEMENTARIOS
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 5 : TRANSFER CALZADA IZQUIERDA-C.L.I. (CPOL5_a1.vol)

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
SUELOCEMENTO	327.1
SUELO CEMENTO A	197.8
AC32 BASE 10	151.7
AC22 BIN	146.6
BBTM 11	61.7
Rellenos	149.4

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 PROYECTO :
 GRUPO : 2 : ENLACE CV35
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 6 : RAMAL C.L.I. - CV35 (V) (CPOL6_a1.vol)

pagina 1

SECCIÓN 032

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	SUELO CEMENTO A	2.399	0.00	0.0	ZAHORRA ART. AR	0.457	0.00	0.0
	AC22 BIN	0.555	0.00	0.0	AC32 BASE 10	0.875	0.00	0.0
	Rellenos	0.786	0.00	0.0	BBTM 11	0.331	0.00	0.0
20.000	SUELO CEMENTO A	1.827	36.24	36.2	ZAHORRA ART. AR	0.457	9.14	9.1
	AC22 BIN	0.555	11.11	11.1	AC32 BASE 10	0.708	14.02	14.0
	Rellenos	0.679	13.47	13.5	BBTM 11	0.288	5.71	5.7
40.000	SUELO CEMENTO A	2.005	38.19	74.4	ZAHORRA ART. AR	0.457	9.14	18.3
	AC22 BIN	0.555	11.11	22.2	AC32 BASE 10	0.778	14.82	28.8
	Rellenos	0.728	14.03	27.5	BBTM 11	0.309	5.95	11.7
60.000	SUELO CEMENTO A	0.940	36.82	111.2	ZAHORRA ART. AR	0.457	9.14	27.4
	AC22 BIN	0.555	11.11	33.3	AC32 BASE 10	0.353	14.00	42.8
	Rellenos	0.430	13.40	40.9	BBTM 11	0.181	5.66	17.3
80.000	SUELO CEMENTO A	1.117	20.63	131.9	ZAHORRA ART. AR	0.454	9.11	36.5
	AC22 BIN	0.555	11.11	44.4	AC32 BASE 10	0.424	7.80	50.6
	Rellenos	0.480	9.12	50.0	BBTM 11	0.203	3.85	21.2
100.000	SUELO CEMENTO A	1.365	24.66	156.5	ZAHORRA ART. AR	0.451	9.05	45.6
	AC22 BIN	0.556	11.11	55.5	AC32 BASE 10	0.521	9.40	60.0
	Rellenos	0.548	10.24	60.3	BBTM 11	0.232	4.33	25.5
120.000	SUELO CEMENTO A	1.605	29.31	185.8	ZAHORRA ART. AR	0.449	9.00	54.6
	AC22 BIN	0.555	11.11	66.6	AC32 BASE 10	0.588	11.05	71.1
	Rellenos	0.585	11.37	71.6	BBTM 11	0.245	4.80	30.3
120.000	SUELO CEMENTO A	1.605	0.00	185.8	ZAHORRA ART. AR	0.449	0.00	54.6
	AC22 BIN	0.555	0.00	66.6	AC32 BASE 10	0.588	0.00	71.1
	Rellenos	0.585	0.00	71.6	BBTM 11	0.245	0.00	30.3
140.000	SUELO CEMENTO A	1.652	33.07	218.9	ZAHORRA ART. AR	0.454	9.02	63.6
	AC22 BIN	0.555	11.11	77.7	AC32 BASE 10	0.575	11.60	82.7
	Rellenos	0.576	11.59	83.2	BBTM 11	0.241	4.85	35.1
		1.348	18.09	97.8				

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 PROYECTO :
 GRUPO : 2 : ENLACE CV35
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

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EJE : 6 : RAMAL C.L.I. - CV35 (V) (CPOL6_a1.vol)

SECCIÓN 032

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
160.000	SUELOCEMENTO	1.632	32.84	251.7	ZAHORRA ART. AR	0.452	9.06	72.7
	SUELO CEMENTO A	0.555	11.11	88.9	AC32 BASE 10	0.575	11.50	94.2
	AC22 BIN	0.576	11.52	94.8	BBTM 11	0.241	4.81	40.0
	Rellenos	0.805	21.53	119.3				
180.000	SUELOCEMENTO	1.538	31.28	283.0	ZAHORRA ART. AR	0.410	8.62	81.3
	SUELO CEMENTO A	0.514	10.69	99.5	AC32 BASE 10	0.535	11.08	105.2
	AC22 BIN	0.534	11.08	105.8	BBTM 11	0.223	4.63	44.6
	Rellenos	0.774	15.39	134.7				
200.000	SUELOCEMENTO	1.442	29.79	312.8	ZAHORRA ART. AR	0.361	7.71	89.0
	SUELO CEMENTO A	0.472	9.86	109.4	AC32 BASE 10	0.513	10.48	115.7
	AC22 BIN	0.504	10.38	116.2	BBTM 11	0.210	4.33	48.9
	Rellenos	0.142	9.16	143.8				
207.804	SUELOCEMENTO	1.322	10.82	323.6	ZAHORRA ART. AR	0.352	2.79	91.8
	SUELO CEMENTO A	0.456	3.62	113.0	AC32 BASE 10	0.490	3.93	119.7
	AC22 BIN	0.491	3.89	120.1	BBTM 11	0.205	1.62	50.5
	Rellenos	0.665	3.57	147.4				



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PROYECTO :

GRUPO : 2 : ENLACE CV35

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 6 : RAMAL C.L.I. - CV35 (V) (CPOL6_a1.vol)

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* * * RESUMEN DE VOLUMENES TOTALES * * *

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MATERIAL	VOLUMEN
SUELOCEMENTO	323.6
ZAHORRA ART. AR	91.8
SUELO CEMENTO A	113.0
AC32 BASE 10	119.7
AC22 BIN	120.1
BBTM 11	50.5
Rellenos	147.4

PROYECTO :
 GRUPO : 5 : CALZADAS LATERALES. EJES COMPLEMENTARIOS
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 7 : TRANSFER C.L.D. - CALZADA DERECHA (CPOL7_a1.vol)

SECCIÓN 132

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 * * * MEDICIONES DE LOS PERFILES TRANSVERSALES * * *
 * * * CAPAS DE FIRME * * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	SUELOCEMENTO	1.221	0.00	0.0	SUELO CEMENTO A	0.855	0.00	0.0
	AC32 BASE 10	0.525	0.00	0.0	AC22 BIN	0.541	0.00	0.0
	BBTM 11	0.226	0.00	0.0	Relenos	1.412	0.00	0.0
20.000	SUELOCEMENTO	1.238	24.60	24.6	SUELO CEMENTO A	0.855	17.11	17.1
	AC32 BASE 10	0.534	10.59	10.6	AC22 BIN	0.547	10.88	10.9
	BBTM 11	0.229	4.54	4.5	Relenos	1.558	29.70	29.7
40.000	SUELOCEMENTO	1.256	24.95	49.5	SUELO CEMENTO A	0.855	17.11	34.2
	AC32 BASE 10	0.542	10.76	21.4	AC22 BIN	0.553	11.01	21.9
	BBTM 11	0.231	4.60	9.1	Relenos	1.659	32.17	61.9
60.000	SUELOCEMENTO	1.274	25.30	74.8	SUELO CEMENTO A	0.855	17.11	51.3
	AC32 BASE 10	0.551	10.94	32.3	AC22 BIN	0.559	11.13	33.0
	BBTM 11	0.234	4.65	13.8	Relenos	1.428	30.87	92.7
80.000	SUELOCEMENTO	1.291	25.65	100.5	SUELO CEMENTO A	0.855	17.11	68.4
	AC32 BASE 10	0.560	11.11	43.4	AC22 BIN	0.566	11.25	44.3
	BBTM 11	0.236	4.70	18.5	Relenos	1.674	31.02	123.8
100.000	SUELOCEMENTO	1.309	26.00	126.5	SUELO CEMENTO A	0.855	17.11	85.5
	AC32 BASE 10	0.569	11.29	54.7	AC22 BIN	0.572	11.38	55.6
	BBTM 11	0.239	4.75	23.2	Relenos	1.578	32.69	156.5
120.000	SUELOCEMENTO	1.321	26.34	152.8	SUELO CEMENTO A	0.855	17.11	102.6
	AC32 BASE 10	0.575	11.45	66.1	AC22 BIN	0.576	11.49	67.1
	BBTM 11	0.241	4.80	28.0	Relenos	1.455	30.13	186.6
140.000	SUELOCEMENTO	1.293	26.15	179.0	SUELO CEMENTO A	0.880	17.35	120.0
	AC32 BASE 10	0.575	11.50	77.6	AC22 BIN	0.576	11.52	78.7
	BBTM 11	0.241	4.82	32.9	Relenos	1.385	28.43	215.0
160.000	SUELOCEMENTO	1.286	25.80	204.8	SUELO CEMENTO A	0.887	17.66	137.7
	AC32 BASE 10	0.575	11.50	89.1	AC22 BIN	0.576	11.52	90.2
	BBTM 11	0.241	4.82	37.7	Relenos	1.185	25.91	240.9
180.000	SUELOCEMENTO	1.286	25.73	230.5	SUELO CEMENTO A	0.887	17.73	155.4
	AC32 BASE 10	0.575	11.50	100.6	AC22 BIN	0.576	11.52	101.7
	BBTM 11	0.241	4.82	42.5	Relenos	1.002	21.72	262.6
200.000	SUELOCEMENTO	1.191	25.04	255.6	SUELO CEMENTO A	0.887	17.73	173.1
	AC32 BASE 10	0.564	11.48	112.1	AC22 BIN	0.576	11.52	113.2
	BBTM 11	0.241	4.82	47.3	Relenos	0.889	18.75	281.4
220.000	SUELOCEMENTO	1.088	22.84	278.4	SUELO CEMENTO A	0.897	17.83	190.9
	AC32 BASE 10	0.521	10.88	123.0	AC22 BIN	0.548	11.27	124.5
	BBTM 11	0.232	4.76	52.1	Relenos	0.898	17.83	299.2



PROYECTO :
 GRUPO : 5 : CALZADAS LATERALES. EJES COMPLEMENTARIOS
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 7 : TRANSFER C.L.D. - CALZADA DERECHA (CPOL7_a1.vol)

SECCIÓN 132

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
240.000	SUELOCEMENTO	0.989	20.79	299.2	SUELO CEMENTO A	0.905	18.02	209.0
	AC32 BASE 10	0.474	9.97	133.0	AC22 BIN	0.515	10.64	135.1
	BBTM 11	0.218	4.50	56.6	Rellenos	0.909	18.07	317.3
260.000	SUELOCEMENTO	0.923	19.17	318.4	SUELO CEMENTO A	0.906	18.11	227.1
	AC32 BASE 10	0.442	9.19	142.1	AC22 BIN	0.492	10.09	145.2
	BBTM 11	0.208	4.27	60.8	Rellenos	0.910	18.20	335.5
280.000	SUELOCEMENTO	0.874	17.83	336.2	SUELO CEMENTO A	0.906	18.11	245.2
	AC32 BASE 10	0.417	8.51	150.7	AC22 BIN	0.475	9.62	154.9
	BBTM 11	0.201	4.06	64.9	Rellenos	0.910	18.20	353.7
300.000	SUELOCEMENTO	0.849	17.31	353.5	SUELO CEMENTO A	0.906	18.11	263.3
	AC32 BASE 10	0.404	8.26	158.9	AC22 BIN	0.466	9.44	164.3
	BBTM 11	0.197	3.99	68.9	Rellenos	0.910	18.20	371.9
320.000	SUELOCEMENTO	0.788	16.25	369.7	SUELO CEMENTO A	0.906	18.11	281.4
	AC32 BASE 10	0.374	7.72	166.6	AC22 BIN	0.445	9.07	173.4
	BBTM 11	0.187	3.83	72.7	Rellenos	0.910	18.20	390.1
340.000	SUELOCEMENTO	0.749	15.33	385.1	SUELO CEMENTO A	0.905	18.11	299.5
	AC32 BASE 10	0.354	7.26	173.9	AC22 BIN	0.431	8.75	182.1
	BBTM 11	0.182	3.69	76.4	Rellenos	0.910	18.20	408.3
356.042	SUELOCEMENTO	1.167	13.97	399.0	SUELO CEMENTO A	0.905	14.52	314.0
	AC32 BASE 10	0.525	6.48	180.4	AC22 BIN	0.541	7.43	189.5
	BBTM 11	0.226	3.12	79.5	Rellenos	1.743	18.59	426.9



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PROYECTO :
GRUPO : 5 : CALZADAS LATERALES. EJES COMPLEMENTARIOS
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 7 : TRANSFER C.L.D. - CALZADA DERECHA (CPOL7_a1.vol)

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* * * RESUMEN DE VOLUMENES TOTALES * * *

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MATERIAL	VOLUMEN
SUELOCEMENTO	399.0
SUELO CEMENTO A	314.0
AC32 BASE 10	180.4
AC22 BIN	189.5
BBTM 11	79.5
Rellenos	426.9

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 PROYECTO :
 GRUPO : 2 : ENLACE CV35
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 8 : RAMAL CV-35 (A) - C.L.I. (CPOL8_a1.vol)

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SECCIÓN 032

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	SUELO CEMENTO A	1.855	0.00	0.0	ZAHORRA ART. AR	0.426	0.00	0.0
	AC22 BIN	0.556	0.00	0.0	AC32 BASE 10	0.651	0.00	0.0
	Rellenos	0.630	0.00	0.0	BBTM 11	0.264	0.00	0.0
20.000	SUELO CEMENTO A	1.855	37.11	37.1	ZAHORRA ART. AR	0.426	8.53	8.5
	AC22 BIN	0.556	11.13	11.1	AC32 BASE 10	0.651	13.03	13.0
	Rellenos	0.630	12.60	12.6	BBTM 11	0.264	5.28	5.3
40.000	SUELO CEMENTO A	1.857	37.11	74.2	ZAHORRA ART. AR	0.426	8.53	17.1
	AC22 BIN	0.556	11.13	22.3	AC32 BASE 10	0.652	13.03	26.1
	Rellenos	0.630	12.60	25.2	BBTM 11	0.264	5.28	10.6
60.000	SUELO CEMENTO A	1.875	37.32	111.5	ZAHORRA ART. AR	0.426	8.53	25.6
	AC22 BIN	0.556	11.13	33.4	AC32 BASE 10	0.659	13.12	39.2
	Rellenos	0.636	12.66	37.9	BBTM 11	0.266	5.30	15.9
80.000	SUELO CEMENTO A	1.883	37.62	149.2	ZAHORRA ART. AR	0.426	8.53	34.1
	AC22 BIN	0.556	11.13	44.5	AC32 BASE 10	0.662	13.24	52.4
	Rellenos	0.638	12.75	50.6	BBTM 11	0.267	5.34	21.2
100.000	SUELO CEMENTO A	1.765	36.96	186.1	ZAHORRA ART. AR	0.437	8.54	42.7
	AC22 BIN	0.556	11.12	55.6	AC32 BASE 10	0.615	12.97	65.4
	Rellenos	0.604	12.56	63.2	BBTM 11	0.253	5.26	26.5
120.000	SUELO CEMENTO A	1.592	33.02	219.1	ZAHORRA ART. AR	0.457	9.10	51.7
	AC22 BIN	0.555	11.11	66.7	AC32 BASE 10	0.575	11.70	77.1
	Rellenos	0.576	11.66	74.8	BBTM 11	0.241	4.88	31.3
140.000	SUELO CEMENTO A	1.592	31.83	251.0	ZAHORRA ART. AR	0.457	9.14	60.9
	AC22 BIN	0.555	11.11	77.8	AC32 BASE 10	0.575	11.50	88.6
	Rellenos	0.576	11.52	86.4	BBTM 11	0.241	4.82	36.2
140.000	SUELO CEMENTO A	0.638	0.00	251.0	ZAHORRA ART. AR	0.281	0.00	60.9
	Rellenos	0.136	0.00	122.7				



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 PROYECTO :
 GRUPO : 2 : ENLACE CV35
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 8 : RAMAL CV-35 (A) - C.L.I. (CPOL8_a1.vol)

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ESTRUCTURA

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=====
* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
160.000	SUELOCEMENTO	0.000	3.19	254.2	ZAHORRA ART. AR	0.000	1.41	62.3
	AC22 BIN	0.576	8.64	95.0	BBTM 11	0.241	3.61	39.8
	Rellenos	0.238	4.25	127.0				
180.000	AC22 BIN	0.576	11.52	106.5	BBTM 11	0.241	4.82	44.6
	Rellenos	0.238	4.76	131.8				
200.000	AC22 BIN	0.576	11.52	118.0	BBTM 11	0.241	4.82	49.4
	Rellenos	0.238	4.76	136.5				
220.000	AC22 BIN	0.576	11.52	129.6	BBTM 11	0.241	4.82	54.2
	Rellenos	0.238	4.76	141.3				
220.000	AC22 BIN	0.603	0.00	129.6	BBTM 11	0.241	0.00	54.2
	Rellenos	3.917	0.00	141.3				
240.000	AC22 BIN	0.603	12.07	141.6	BBTM 11	0.241	4.82	59.0
	Rellenos	3.918	78.35	219.6				



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PROYECTO :

GRUPO : 2 : ENLACE CV35

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 8 : RAMAL CV-35 (A) - C.L.I. (CPOL8_a1.vol)

SECCIÓN 032

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
260.000	SUELOCEMENTO	1.592	23.88	278.0	ZAHORRA ART. AR	0.457	6.85	69.1
	SUELO CEMENTO A	0.555	8.33	86.2	AC32 BASE 10	0.575	8.62	97.2
	AC22 BIN	0.576	11.66	153.3	BBTM 11	0.241	4.82	63.9
	Rellenos	0.766	31.07	250.7				
280.000	SUELOCEMENTO	1.592	31.84	309.9	ZAHORRA ART. AR	0.457	9.14	78.3
	SUELO CEMENTO A	0.555	11.11	97.3	AC32 BASE 10	0.575	11.50	108.7
	AC22 BIN	0.576	11.52	164.8	BBTM 11	0.241	4.82	68.7
	Rellenos	0.766	15.31	266.0				
300.000	SUELOCEMENTO	1.592	31.84	341.7	ZAHORRA ART. AR	0.457	9.14	87.4
	SUELO CEMENTO A	0.555	11.11	108.4	AC32 BASE 10	0.575	11.50	120.2
	AC22 BIN	0.576	11.52	176.3	BBTM 11	0.241	4.82	73.5
	Rellenos	0.766	15.31	281.3				
320.000	SUELOCEMENTO	1.592	31.84	373.5	ZAHORRA ART. AR	0.457	9.14	96.6
	SUELO CEMENTO A	0.555	11.11	119.5	AC32 BASE 10	0.575	11.50	131.7
	AC22 BIN	0.576	11.52	187.9	BBTM 11	0.241	4.82	78.3
	Rellenos	0.986	16.30	297.6				
340.000	SUELOCEMENTO	1.569	31.61	405.1	ZAHORRA ART. AR	0.473	9.22	105.8
	SUELO CEMENTO A	0.555	11.11	130.6	AC32 BASE 10	0.566	11.41	143.1

	AC22 BIN	0.570	11.46	199.3	BBTM 11	0.238	4.79	83.1
	Rellenos	0.989	19.74	317.4				
360.000	SUELO CEMENTO A	1.545	31.14	436.3	ZAHORRA ART. AR	0.520	10.00	115.8
	AC22 BIN	0.555	11.10	141.7	AC32 BASE 10	0.557	11.23	154.3
	Rellenos	0.962	19.67	337.0	BBTM 11	0.235	4.73	87.8
380.000	SUELO CEMENTO A	1.522	30.67	467.0	ZAHORRA ART. AR	0.520	10.39	126.2
	AC22 BIN	0.555	11.10	152.8	AC32 BASE 10	0.548	11.04	165.4
	Rellenos	0.566	16.21	353.2	BBTM 11	0.233	4.68	92.5
400.000	SUELO CEMENTO A	1.458	29.96	496.9	ZAHORRA ART. AR	0.500	10.29	136.5
	AC22 BIN	0.555	11.10	163.9	AC32 BASE 10	0.539	10.86	176.2
	Rellenos	0.430	9.96	363.2	BBTM 11	0.230	4.63	97.2



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PROYECTO :
GRUPO : 2 : ENLACE CV35
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 8 : RAMAL CV-35 (A) - C.L.I. (CPOL8_a1.vol)

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* * * RESUMEN DE VOLUMENES TOTALES * * *

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MATERIAL	VOLUMEN
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SUELO CEMENTO A	496.9
ZAHORRA ART. AR	136.5
SUELO CEMENTO A	163.9
AC32 BASE 10	176.2
AC22 BIN	232.9
BBTM 11	97.2
Rellenos	363.2

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 PROYECTO :
 GRUPO : 2 : ENLACE CV35
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 9 : RAMAL C.L.I. - CV35 (A) (CPOL9_a1.vol)

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SECCIÓN 032

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	SUELO CEMENTO A	1.063	0.00	0.0	ZAHORRA ART. AR	0.448	0.00	0.0
	AC22 BIN	0.555	0.00	0.0	AC32 BASE 10	0.375	0.00	0.0
	Rellenos	0.436	0.00	0.0	BBTM 11	0.181	0.00	0.0
20.000	SUELO CEMENTO A	1.147	21.61	21.6	ZAHORRA ART. AR	0.000	1.12	1.1
	AC22 BIN	0.000	1.39	1.4	AC32 BASE 10	0.429	8.02	8.0
	Rellenos	0.291	5.88	5.9	BBTM 11	0.122	2.45	2.5
40.000	SUELO CEMENTO A	1.270	24.13	45.7	ZAHORRA ART. AR	0.036	0.18	1.3
	AC22 BIN	0.089	0.44	1.8	AC32 BASE 10	0.452	8.92	16.9
	Rellenos	0.343	6.23	12.1	BBTM 11	0.144	2.61	5.1
60.000	SUELO CEMENTO A	1.270	25.39	71.1	ZAHORRA ART. AR	0.253	2.90	4.2
	AC22 BIN	0.370	4.64	6.5	AC32 BASE 10	0.452	9.04	26.0
	Rellenos	0.442	7.87	20.0	BBTM 11	0.186	3.31	8.4
80.000	SUELO CEMENTO A	1.262	25.32	96.5	ZAHORRA ART. AR	0.424	6.77	11.0
	AC22 BIN	0.455	8.25	14.7	AC32 BASE 10	0.452	9.04	35.0
	Rellenos	0.455	8.96	28.9	BBTM 11	0.189	3.75	12.1
100.000	SUELO CEMENTO A	1.261	25.20	121.7	ZAHORRA ART. AR	0.458	8.86	19.8
	AC22 BIN	0.455	9.10	23.8	AC32 BASE 10	0.454	9.05	44.1
	Rellenos	0.456	9.10	38.0	BBTM 11	0.189	3.78	15.9
120.000	SUELO CEMENTO A	1.387	26.09	147.7	ZAHORRA ART. AR	0.461	9.20	29.0
	AC22 BIN	0.455	9.09	32.9	AC32 BASE 10	0.533	9.62	53.7
	Rellenos	0.522	9.57	47.6	BBTM 11	0.221	4.00	19.9
140.000	SUELO CEMENTO A	1.402	27.90	175.6	ZAHORRA ART. AR	0.461	9.21	38.2
	AC22 BIN	0.454	9.09	42.0	AC32 BASE 10	0.539	10.72	64.4
	Rellenos	0.525	10.47	58.1	BBTM 11	0.222	4.43	24.3
154.220	SUELO CEMENTO A	1.408	19.98	195.6	ZAHORRA ART. AR	0.460	6.55	44.8
	AC22 BIN	0.454	6.46	48.5	AC32 BASE 10	0.542	7.69	72.1
	Rellenos	0.527	7.48	65.6	BBTM 11	0.223	3.16	27.5
		0.214	3.33	60.5				



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 PROYECTO :
 GRUPO : 2 : ENLACE CV35
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

pagina 2

EJE : 9 : RAMAL C.L.I. - CV35 (A) (CPOL9_a1.vol)

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* * * RESUMEN DE VOLUMENES TOTALES * * *
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MATERIAL	VOLUMEN
SUELOCEMENTO	195.6
ZAHORRA ART. AR	44.8
SUELO CEMENTO A	48.5
AC32 BASE 10	72.1
AC22 BIN	65.6
BBTM 11	27.5
Rellenos	60.5

PROYECTO :
 GRUPO : 1 : CALZADAS LATERALES
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 10 : VÍA LATERAL IZQUIERDA. TRAMO FINAL (CPOL10_a1.vol)

SECCIÓN 132

=====
 * * * MEDICIONES DE LOS PERFILES TRANSVERSALES * * *
 * * * CAPAS DE FIRME * * *
 =====

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	SUELOCEMENTO	1.221	0.00	0.0	SUELO CEMENTO A	0.855	0.00	0.0
	AC32 BASE 10	0.525	0.00	0.0	AC22 BIN	0.541	0.00	0.0
	BBTM 11	0.226	0.00	0.0	Relenos	1.738	0.00	0.0
20.000	SUELOCEMENTO	1.221	24.42	24.4	SUELO CEMENTO A	0.010	8.66	8.7
	AC32 BASE 10	0.535	10.60	10.6	AC22 BIN	0.372	9.13	9.1
	BBTM 11	0.156	3.82	3.8	Relenos	0.899	26.38	26.4
40.000	SUELOCEMENTO	1.261	24.90	49.3	SUELO CEMENTO A	0.343	2.66	11.3
	AC32 BASE 10	0.545	10.79	21.4	AC22 BIN	0.461	8.15	17.3
	BBTM 11	0.195	3.43	7.3	Relenos	0.899	17.98	44.4
60.000	SUELOCEMENTO	1.281	25.42	74.7	SUELO CEMENTO A	0.855	11.98	23.3
	AC32 BASE 10	0.555	11.00	32.4	AC22 BIN	0.562	10.23	27.5
	BBTM 11	0.235	4.30	11.6	Relenos	1.539	24.38	68.7
80.000	SUELOCEMENTO	1.301	25.82	100.6	SUELO CEMENTO A	0.855	17.11	40.4
	AC32 BASE 10	0.565	11.20	43.6	AC22 BIN	0.569	11.31	38.8
	BBTM 11	0.238	4.73	16.3	Relenos	1.739	32.78	101.5
100.000	SUELOCEMENTO	1.321	26.22	126.8	SUELO CEMENTO A	0.855	17.11	57.5
	AC32 BASE 10	0.575	11.40	55.0	AC22 BIN	0.576	11.45	50.3
	BBTM 11	0.241	4.79	21.1	Relenos	1.738	34.77	136.3
120.000	SUELOCEMENTO	1.321	26.42	153.2	SUELO CEMENTO A	0.855	17.11	74.6
	AC32 BASE 10	0.575	11.50	66.5	AC22 BIN	0.576	11.52	61.8
	BBTM 11	0.241	4.82	25.9	Relenos	1.526	32.64	168.9
140.000	SUELOCEMENTO	1.321	26.42	179.6	SUELO CEMENTO A	0.855	17.11	91.7
	AC32 BASE 10	0.575	11.50	78.0	AC22 BIN	0.576	11.52	73.3
	BBTM 11	0.241	4.82	30.7	Relenos	1.497	30.23	199.2
160.000	SUELOCEMENTO	1.321	26.42	206.1	SUELO CEMENTO A	0.855	17.11	108.8
	AC32 BASE 10	0.575	11.50	89.5	AC22 BIN	0.576	11.52	84.8
	BBTM 11	0.241	4.82	35.5	Relenos	1.738	32.35	231.5
180.000	SUELOCEMENTO	1.321	26.42	232.5	SUELO CEMENTO A	0.855	17.11	125.9
	AC32 BASE 10	0.575	11.50	101.0	AC22 BIN	0.576	11.52	96.4
	BBTM 11	0.241	4.82	40.3	Relenos	1.738	34.77	266.3
200.000	SUELOCEMENTO	1.321	26.42	258.9	SUELO CEMENTO A	0.855	17.11	143.0
	AC32 BASE 10	0.575	11.50	112.5	AC22 BIN	0.576	11.52	107.9
	BBTM 11	0.241	4.82	45.2	Relenos	1.738	34.77	301.0
220.000	SUELOCEMENTO	1.321	26.43	285.3	SUELO CEMENTO A	0.855	17.11	160.1
	AC32 BASE 10	0.575	11.50	124.0	AC22 BIN	0.576	11.52	119.4
	BBTM 11	0.241	4.82	50.0	Relenos	1.457	31.21	332.3



PROYECTO :
 GRUPO : 1 : CALZADAS LATERALES
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 10 : VÍA LATERAL IZQUIERDA. TRAMO FINAL (CPOL10_a1.vol)

SECCIÓN 132

* * * MEDICIONES DE LOS PERFILES TRANSVERSALES * * *
* * * CAPAS DE FIRME * * *

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
240.000	SUELOCEMENTO	1.321	26.42	311.8	SUELO CEMENTO A	0.855	17.11	177.3
	AC32 BASE 10	0.575	11.50	135.5	AC22 BIN	0.576	11.52	130.9
	BBTM 11	0.241	4.82	54.8	Relenos	1.526	29.99	362.2
260.000	SUELOCEMENTO	1.321	26.42	338.2	SUELO CEMENTO A	0.855	17.11	194.4
	AC32 BASE 10	0.575	11.50	147.0	AC22 BIN	0.576	11.52	142.5
	BBTM 11	0.241	4.82	59.6	Relenos	1.505	30.31	392.5
280.000	SUELOCEMENTO	1.321	26.42	364.6	SUELO CEMENTO A	0.855	17.11	211.5
	AC32 BASE 10	0.575	11.50	158.5	AC22 BIN	0.576	11.52	154.0
	BBTM 11	0.241	4.82	64.4	Relenos	1.738	32.26	424.8
300.000	SUELOCEMENTO	1.321	26.43	391.0	SUELO CEMENTO A	0.855	17.11	228.6
	AC32 BASE 10	0.575	11.50	169.9	AC22 BIN	0.576	11.52	165.5
	BBTM 11	0.241	4.82	69.2	Relenos	1.526	30.88	455.7
320.000	SUELOCEMENTO	1.321	26.42	417.5	SUELO CEMENTO A	0.855	17.11	245.7
	AC32 BASE 10	0.575	11.50	181.4	AC22 BIN	0.576	11.52	177.0
	BBTM 11	0.241	4.82	74.1	Relenos	1.200	27.26	482.9
340.000	SUELOCEMENTO	1.321	26.42	443.9	SUELO CEMENTO A	0.855	17.11	262.8
	AC32 BASE 10	0.575	11.50	192.9	AC22 BIN	0.576	11.52	188.5
	BBTM 11	0.241	4.82	78.9	Relenos	1.357	30.07	513.0
360.000	SUELOCEMENTO	1.321	26.42	470.3	SUELO CEMENTO A	0.855	17.11	279.9
	AC32 BASE 10	0.575	11.50	204.4	AC22 BIN	0.576	11.52	200.1
	BBTM 11	0.241	4.82	83.7	Relenos	1.514	28.71	541.7
380.000	SUELOCEMENTO	1.321	26.42	496.7	SUELO CEMENTO A	0.855	17.11	297.0
	AC32 BASE 10	0.575	11.50	215.9	AC22 BIN	0.576	11.52	211.6
	BBTM 11	0.241	4.82	88.5	Relenos	1.512	30.24	572.0
400.000	SUELOCEMENTO	1.321	26.42	523.2	SUELO CEMENTO A	0.855	17.11	314.1
	AC32 BASE 10	0.575	11.50	227.4	AC22 BIN	0.576	11.52	223.1
	BBTM 11	0.241	4.82	93.3	Relenos	1.514	30.26	602.2



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PROYECTO :

GRUPO : 1 : CALZADAS LATERALES

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 10 : VÍA LATERAL IZQUIERDA. TRAMO FINAL (CPOL10_a1.vol)

* * * RESUMEN DE VOLUMENES TOTALES * * *

MATERIAL	VOLUMEN
SUELOCEMENTO	523.2
SUELO CEMENTO A	314.1
AC32 BASE 10	227.4

AC22 BIN	223.1
BBTM 11	93.3
Rellenos	602.2

SECCIÓN 132

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
* * * CAPAS DE FIRME * * *									
=====									
PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	

0.000	SUELOCEMENTO	2.041	0.00	0.0	AC32 BASE 10	1.001	0.00	0.0	
	AC22 BIN	0.601	0.00	0.0	AC16 SURF	0.400	0.00	0.0	
	C51	0.001	0.00	0.0					
20.000	SUELOCEMENTO	2.041	40.82	40.8	AC32 BASE 10	1.001	20.01	20.0	
	AC22 BIN	0.601	12.03	12.0	AC16 SURF	0.400	8.00	8.0	
	C51	0.001	0.02	0.0					
30.000	SUELOCEMENTO	2.041	20.41	61.2	AC32 BASE 10	1.001	10.01	30.0	
	AC22 BIN	0.601	6.01	18.0	AC16 SURF	0.400	4.00	12.0	
	C51	0.001	0.01	0.0					
40.000	SUELOCEMENTO	2.033	20.37	81.6	AC32 BASE 10	0.997	9.99	40.0	
	AC22 BIN	0.599	6.00	24.0	AC16 SURF	0.398	3.99	16.0	
	C51	0.001	0.01	0.0					
42.059	SUELOCEMENTO	2.031	4.18	85.8	AC32 BASE 10	0.996	2.05	42.1	
	AC22 BIN	0.599	1.23	25.3	AC16 SURF	0.398	0.82	16.8	
	C51	0.001	0.00	0.0					
60.000	SUELOCEMENTO	2.017	36.32	122.1	AC32 BASE 10	0.989	17.80	59.9	
	AC22 BIN	0.594	10.70	36.0	AC16 SURF	0.395	7.12	23.9	
	C51	0.001	0.02	0.1					
75.859	SUELOCEMENTO	2.005	31.89	154.0	AC32 BASE 10	0.982	15.63	75.5	
	AC22 BIN	0.590	9.39	45.4	AC16 SURF	0.393	6.25	30.2	
	C51	0.001	0.02	0.1					
80.000	SUELOCEMENTO	2.001	8.29	162.3	AC32 BASE 10	0.981	4.06	79.6	
	AC22 BIN	0.589	2.44	47.8	AC16 SURF	0.392	1.62	31.8	
	C51	0.001	0.00	0.1					

ESTRUCTURA

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *									
* * * CAPAS DE FIRME * * *									
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	

90.000	SUELOCEMENTO	0.000	10.00	172.3	AC32 BASE 10	0.000	4.90	84.5	

	AC22 BIN	0.490	5.40	53.2	AC16 SURF	0.272	3.32	35.1
	C51	0.131	0.66	0.8				
100.000	AC22 BIN	0.490	4.90	58.1	AC16 SURF	0.272	2.72	37.8
	C51	0.139	1.35	2.1				
113.090	AC22 BIN	0.490	6.42	64.5	AC16 SURF	0.272	3.56	41.4
	C51	0.149	1.89	4.0				
120.000	AC22 BIN	0.490	3.39	67.9	AC16 SURF	0.272	1.88	43.3
	C51	0.149	1.03	5.0				
121.000	AC22 BIN	0.525	0.51	68.4	AC16 SURF	0.272	0.27	43.6
	C51	3.162	1.66	6.7				
140.000	AC22 BIN	0.525	9.98	78.4	AC16 SURF	0.272	5.17	48.7
	C51	3.162	60.08	66.8				
150.000	AC22 BIN	0.525	5.25	83.7	AC16 SURF	0.272	2.72	51.4
	C51	3.162	31.62	98.4				
150.000	AC22 BIN	0.490	0.00	83.7	AC16 SURF	0.272	0.00	51.4
	C51	0.149	0.00	98.4				
160.000	AC22 BIN	0.490	4.90	88.6	AC16 SURF	0.272	2.72	54.2
	C51	0.149	1.49	99.9				
180.000	AC22 BIN	0.490	9.81	98.4	AC16 SURF	0.272	5.44	59.6
	C51	0.149	2.98	102.9				
200.000	AC22 BIN	0.490	9.80	108.2	AC16 SURF	0.272	5.44	65.0
	C51	0.149	2.98	105.8				
220.000	AC22 BIN	0.490	9.80	118.0	AC16 SURF	0.272	5.44	70.5
	C51	0.149	2.98	108.8				
240.000	AC22 BIN	0.490	9.81	127.8	AC16 SURF	0.272	5.44	75.9
	C51	0.149	2.98	111.8				
260.000	AC22 BIN	0.490	9.81	137.6	AC16 SURF	0.272	5.44	81.4
	C51	0.149	2.98	114.8				

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Istram 23.01.01.13 29/05/23 11:04:00 200207

PROYECTO :

GRUPO : 3 : CAMINOS

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 11 : REPOSICIÓN C. PATERNA - PLA DEL POU (CPOL11_a1.vol)

pagi na

3

SECCIÓN 132

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

=====

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
270.000	SUELOCEMENTO	0.883	4.41	176.7	AC22 BIN	0.000	2.45	140.0
	AC16 SURF	0.000	1.36	82.7	C51	0.028	0.89	115.7
270.000	SUELOCEMENTO	1.996	0.00	176.7	AC32 BASE 10	0.981	0.00	84.5
	AC22 BIN	0.590	0.00	140.0	AC16 SURF	0.392	0.00	82.7
	C51	0.001	0.00	115.7				
280.000	SUELOCEMENTO	1.996	19.96	196.7	AC32 BASE 10	0.981	9.81	94.3
	AC22 BIN	0.590	5.90	145.9	AC16 SURF	0.392	3.92	86.6
	C51	0.001	0.01	115.7				
299.000	SUELOCEMENTO	2.012	38.07	234.7	AC32 BASE 10	0.988	18.71	113.0
	AC22 BIN	0.594	11.24	157.2	AC16 SURF	0.395	7.48	94.1
	C51	0.001	0.02	115.7				
300.000	SUELOCEMENTO	2.012	2.01	236.8	AC32 BASE 10	0.989	0.99	114.0

pagi na 4

SECCI ÓN 132

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
363.920	SUELOCEMENTO	2.207	8.83	378.5	AC32 BASE 10	1.072	4.29	183.0
	AC22 BIN	0.656	2.62	199.9	AC16 SURF	0.428	1.71	122.1
	C51	0.461	1.83	140.6				
370.000	SUELOCEMENTO	2.065	12.99	391.4	AC32 BASE 10	1.001	6.30	189.3
	AC22 BIN	0.613	3.86	203.7	AC16 SURF	0.400	2.52	124.6
	C51	0.456	2.79	143.4				
380.000	SUELOCEMENTO	2.065	20.65	412.1	AC32 BASE 10	1.001	10.01	199.3
	AC22 BIN	0.613	6.13	209.9	AC16 SURF	0.400	4.00	128.6
	C51	0.450	4.53	147.9				
400.000	SUELOCEMENTO	2.063	41.28	453.4	AC32 BASE 10	1.001	20.01	219.3
	AC22 BIN	0.613	12.27	222.1	AC16 SURF	0.400	7.99	136.6
	C51	0.415	8.64	156.6				
402.983	SUELOCEMENTO	2.063	6.15	459.5	AC32 BASE 10	1.001	2.99	222.3
	AC22 BIN	0.613	1.83	224.0	AC16 SURF	0.400	1.19	137.8

	C51	0.413	1.23	157.8				
409.990	SUELOCEMENTO	2.063	14.46	474.0	AC32 BASE 10	1.001	7.01	229.3
	AC22 BIN	0.613	4.30	228.3	AC16 SURF	0.400	2.80	140.6
	C51	0.413	2.89	160.7				
410.000	SUELOCEMENTO	2.172	0.02	474.0	AC32 BASE 10	1.020	0.01	229.3
	AC22 BIN	0.618	0.01	228.3	AC16 SURF	0.400	0.00	140.6
	C51	1.137	0.01	160.7				
420.000	SUELOCEMENTO	2.172	21.72	495.7	AC32 BASE 10	1.020	10.20	239.5
	AC22 BIN	0.618	6.18	234.4	AC16 SURF	0.400	4.00	144.6
	C51	1.137	11.37	172.1				
440.000	SUELOCEMENTO	2.172	43.43	539.1	AC32 BASE 10	1.020	20.40	259.9
	AC22 BIN	0.618	12.35	246.8	AC16 SURF	0.400	8.00	152.6
	C51	0.760	18.98	191.0				
460.000	SUELOCEMENTO	2.172	43.43	582.6	AC32 BASE 10	1.020	20.40	280.3
	AC22 BIN	0.618	12.35	259.1	AC16 SURF	0.400	8.00	160.6
	C51	1.137	18.98	210.0				
480.000	SUELOCEMENTO	2.172	43.43	626.0	AC32 BASE 10	1.020	20.40	300.7
	AC22 BIN	0.618	12.35	271.5	AC16 SURF	0.400	8.00	168.6
	C51	1.129	22.66	232.7				
500.000	SUELOCEMENTO	2.172	43.43	669.4	AC32 BASE 10	1.020	20.40	321.1
	AC22 BIN	0.618	12.35	283.9	AC16 SURF	0.400	8.00	176.6
	C51	1.448	25.76	258.4				

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Istram 23.01.01.13 29/05/23 11:04:00 200207

PROYECTO :

GRUPO : 3 : CAMINOS

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 11 : REPOSICIÓN C. PATERNA - PLA DEL POU (CPOL11_a1.vol)

pagi na

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SECCIÓN 132

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
520.000	SUELOCEMENTO	2.172	43.43	712.9	AC32 BASE 10	1.020	20.40	341.5
	AC22 BIN	0.618	12.35	296.2	AC16 SURF	0.400	8.00	184.6
	C51	1.448	28.95	287.4				
523.204	SUELOCEMENTO	2.172	6.96	719.8	AC32 BASE 10	1.020	3.27	344.8
	AC22 BIN	0.618	1.98	298.2	AC16 SURF	0.400	1.28	185.9
	C51	1.448	4.64	292.0				
540.000	SUELOCEMENTO	2.155	36.33	756.2	AC32 BASE 10	1.020	17.13	361.9
	AC22 BIN	0.618	10.37	308.6	AC16 SURF	0.400	6.72	192.6
	C51	1.423	24.11	316.1				
560.000	SUELOCEMENTO	2.134	42.89	799.0	AC32 BASE 10	1.020	20.40	382.3
	AC22 BIN	0.618	12.35	320.9	AC16 SURF	0.400	8.00	200.6
	C51	1.372	27.95	344.1				
562.266	SUELOCEMENTO	2.132	4.83	803.9	AC32 BASE 10	1.020	2.31	384.6
	AC22 BIN	0.618	1.40	322.3	AC16 SURF	0.400	0.91	201.5
	C51	1.365	3.10	347.2				

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Istram 23.01.01.13 29/05/23 11:04:00 200207

PROYECTO :

pagi na

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GRUPO : 3 : CAMINOS
C. R. S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 11 : REPOSICIÓN C. PATERNA - PLA DEL POU (CPOL11_a1.vol)

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* * *	RESUMEN DE VOLUMENES TOTALES	* * *
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MATERIAL	VOLUMEN
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SUELOCEMENTO	803.9
AC32 BASE 10	384.6
AC22 BIN	322.3
AC16 SURF	201.5
C51	347.2

SECCIÓN 3212

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	SUELOCEMENTO	2.062	0.00	0.0	AC22 BIN	0.545	0.00	0.0
	AC16 SURF	0.273	0.00	0.0	C51	0.017	0.00	0.0
20.000	SUELOCEMENTO	2.422	44.85	44.8	AC22 BIN	0.641	11.86	11.9
	AC16 SURF	0.321	5.93	5.9	C51	0.000	0.18	0.2
40.000	SUELOCEMENTO	2.782	52.05	96.9	AC22 BIN	0.737	13.78	25.6
	AC16 SURF	0.369	6.89	12.8				
60.000	SUELOCEMENTO	2.962	57.45	154.3	AC22 BIN	0.785	15.22	40.8
	AC16 SURF	0.393	7.62	20.4				
80.000	SUELOCEMENTO	2.963	59.25	213.6	AC22 BIN	0.785	15.69	56.5
	AC16 SURF	0.393	7.85	28.3				

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
80.000	AC22 BIN	0.490	0.00	56.5	AC16 SURF	0.392	0.00	28.3
	C51	0.007	0.00	0.2				
100.000	AC22 BIN	0.490	9.80	66.3	AC16 SURF	0.392	7.84	36.1
	C51	0.007	0.15	0.3				
120.000	AC22 BIN	0.490	9.80	76.1	AC16 SURF	0.392	7.84	44.0
	C51	0.007	0.14	0.5				
140.000	AC22 BIN	0.490	9.80	85.9	AC16 SURF	0.392	7.84	51.8
	C51	0.007	0.14	0.6				
160.000	AC22 BIN	0.490	9.80	95.7	AC16 SURF	0.392	7.84	59.7
	C51	0.007	0.14	0.8				
180.000	AC22 BIN	0.490	9.80	105.5	AC16 SURF	0.392	7.84	67.5
	C51	0.007	0.14	0.9				

C. R. S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 12 : REPOSICIÓN AVDA. INDUSTRIA (CPOL12_a1. vol)

SECCIÓN 3212

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
=====

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
200.000	SUELOCEMENTO	2.962	14.81	228.4	AC22 BIN	0.785	11.28	116.8
	AC16 SURF	0.392	7.84	75.3	C51	0.001	0.11	1.0
220.000	SUELOCEMENTO	2.967	59.29	287.7	AC22 BIN	0.785	15.70	132.5
	AC16 SURF	0.392	7.85	83.2	C51	0.001	0.01	1.0
240.000	SUELOCEMENTO	2.929	58.96	346.7	AC22 BIN	0.774	15.59	148.1
	AC16 SURF	0.387	7.80	91.0	C51	0.000	0.01	1.1
260.000	SUELOCEMENTO	2.574	55.03	401.7	AC22 BIN	0.678	14.52	162.6
	AC16 SURF	0.339	7.26	98.2				
280.000	SUELOCEMENTO	2.219	47.92	449.6	AC22 BIN	0.582	12.60	175.2
	AC16 SURF	0.291	6.30	104.5				
287.656	SUELOCEMENTO	2.082	16.46	466.1	AC22 BIN	0.545	4.31	179.5
	AC16 SURF	0.273	2.16	106.7				

Istram 23.01.01.13 24/05/23 16:10:37 200207
PROYECTO :
GRUPO : 3 : CAMINOS
C. R. S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 12 : REPOSICIÓN AVDA. INDUSTRIA (CPOL12_a1. vol)
pagina 4

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* * * RESUMEN DE VOLUMENES TOTALES * * *
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MATERIAL	VOLUMEN
SUELOCEMENTO	466.1
AC22 BIN	179.5
AC16 SURF	106.7
C51	1.1

SECCIÓN 3212

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	SUELOCEMENTO	3.043	0.00	0.0	AC22 BIN	0.801	0.00	0.0
	AC16 SURF	0.401	0.00	0.0				
20.000	SUELOCEMENTO	3.002	60.44	60.4	AC22 BIN	0.793	15.94	15.9
	AC16 SURF	0.397	7.97	8.0	C51	0.034	0.19	0.2
40.000	SUELOCEMENTO	2.966	59.68	120.1	AC22 BIN	0.785	15.78	31.7
	AC16 SURF	0.393	7.89	15.9	C51	0.034	0.68	0.9
40.000	SUELOCEMENTO	0.883	0.00	120.1	C51	0.011	0.00	0.9
60.000	SUELOCEMENTO	0.883	17.66	137.8	C51	0.013	0.24	1.1

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

=====

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
80.000	SUELOCEMENTO	0.000	8.83	146.6	AC22 BIN	0.340	3.40	35.1
	AC16 SURF	0.120	1.20	17.1	C51	0.436	4.48	5.6
100.000	AC22 BIN	0.340	6.80	41.9	AC16 SURF	0.120	2.40	19.5
	C51	0.436	8.71	14.3				
120.000	AC22 BIN	0.340	6.80	48.7	AC16 SURF	0.120	2.40	21.9
	C51	0.436	8.71	23.0				
140.000	AC22 BIN	0.340	6.80	55.5	AC16 SURF	0.120	2.40	24.3
	C51	0.436	8.71	31.7				
160.000	AC22 BIN	0.340	6.80	62.3	AC16 SURF	0.120	2.40	26.7
	C51	0.436	8.71	40.5				

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES * * *
* * * CAPAS DE FIRME * * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
160.000	SUELOCEMENTO	2.963	0.00	146.6	AC22 BIN	0.785	0.00	62.3
	AC16 SURF	0.393	0.00	26.7	C51	0.034	0.00	40.5
180.000	SUELOCEMENTO	2.992	59.55	206.2	AC22 BIN	0.793	15.77	78.1
	AC16 SURF	0.397	7.90	34.6	C51	0.034	0.68	41.1
200.000	SUELOCEMENTO	3.022	60.15	266.3	AC22 BIN	0.801	15.93	94.0
	AC16 SURF	0.401	7.98	42.5	C51	0.017	0.51	41.6
206.646	SUELOCEMENTO	3.022	20.09	286.4	AC22 BIN	0.801	5.32	99.4
	AC16 SURF	0.401	2.66	45.2	C51	0.017	0.11	41.8

Istram 23.01.01.13 24/05/23 16:10:40 200207
PROYECTO :
GRUPO : 3 : CAMINOS
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 13 : REPOSICIÓN Cº LA CANYADA (CPOL13_a1.vol)
pagina 4

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* * * RESUMEN DE VOLUMENES TOTALES * * *
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MATERIAL	VOLUMEN
SUELOCEMENTO	286.4
AC22 BIN	99.4
AC16 SURF	45.2
C51	41.8

PROYECTO :
 GRUPO : 3 : CAMINOS
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 14 : REPOSICIÓN Cº LA CANYADA BOCA SALIDA (ISPOL14.vol)

SECCIÓN 3212

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	SUELOCEMENTO	1.831	0.00	0.0	AC22 BIN	0.480	0.00	0.0
	AC16 SURF	0.240	0.00	0.0				
20.000	SUELOCEMENTO	1.841	36.57	36.6	AC22 BIN	0.481	9.39	9.4
	AC16 SURF	0.240	4.67	4.7	Rellenos	0.000	0.49	0.5
34.968	SUELOCEMENTO	1.841	27.56	64.1	AC22 BIN	0.481	7.19	16.6
	AC16 SURF	0.240	3.60	8.3				



PROYECTO :
 GRUPO : 3 : CAMINOS
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 14 : REPOSICIÓN Cº LA CANYADA BOCA SALIDA (ISPOL14.vol)

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* * * RESUMEN DE VOLUMENES TOTALES * * *
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MATERIAL	VOLUMEN
SUELOCEMENTO	64.1
AC22 BIN	16.6
AC16 SURF	8.3
Rellenos	0.5

PROYECTO :
 GRUPO : 3 : CAMINOS
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 15 : REPOSICIÓN Cº LA CANYADA BOCA ENTRADA (ISPOL15.vol)

SECCIÓN 3212

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	SUELOCEMENTO	1.841	0.00	0.0	AC22 BIN	0.481	0.00	0.0
	AC16 SURF	0.240	0.00	0.0				
20.000	SUELOCEMENTO	1.741	35.82	35.8	AC22 BIN	0.454	9.35	9.3
	AC16 SURF	0.227	4.67	4.7				
40.000	SUELOCEMENTO	1.689	34.05	69.9	AC22 BIN	0.440	8.88	18.2
	AC16 SURF	0.220	4.44	9.1	Rellenos	0.000	0.05	0.1
48.590	SUELOCEMENTO	1.689	14.51	84.4	AC22 BIN	0.440	3.78	22.0
	AC16 SURF	0.220	1.89	11.0	Rellenos	0.021	0.08	0.1



PROYECTO :
 GRUPO : 3 : CAMINOS
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 15 : REPOSICIÓN Cº LA CANYADA BOCA ENTRADA (ISPOL15.vol)

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* * * RESUMEN DE VOLUMENES TOTALES * * *
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MATERIAL	VOLUMEN
SUELOCEMENTO	84.4
AC22 BIN	22.0
AC16 SURF	11.0
Rellenos	0.1

Istram 22.08.08.11 05/12/22 18:23:50 200207
PROYECTO :
GRUPO : 3 : CAMINOS
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 16 : REPOSICION PASO INFERIOR (ISPOL16.vol)

SECCIÓN HORMIGON

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* * *	MEDICIONES DE LOS PERFILES TRANSVERSALES	* * *
* * *	CAPAS DE FIRME	* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
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0.000	HORMIGÓN	1.039	0.00	0.0				
20.000	HORMIGÓN	1.038	20.75	20.8				
40.000	HORMIGÓN	1.038	20.75	41.5				



Istram 22.08.08.11 05/12/22 18:23:50 200207
PROYECTO :
GRUPO : 3 : CAMINOS
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 16 : REPOSICION PASO INFERIOR (ISPOL16.vol)

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* * *	RESUMEN DE VOLUMENES TOTALES	* * *
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MATERIAL	VOLUMEN
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HORMIGÓN	41.5

Istram 22.08.08.11 05/12/22 18:23:53 200207
 PROYECTO :
 GRUPO : 2 : ENLACE CV35
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 17 : RAMAL CV-35 (V) - C.L.D. (CPOL17_a1.vol)

pagina 1

SECCIÓN 232

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	SUELOCEMENTO	2.100	0.00	0.0	AC32 BASE 10	0.671	0.00	0.0
	AC22 BIN	0.468	0.00	0.0	BBTM 11	0.276	0.00	0.0
	Rellenos	0.518	0.00	0.0				
20.000	SUELOCEMENTO	2.100	42.00	42.0	AC32 BASE 10	0.671	13.42	13.4
	AC22 BIN	0.468	9.37	9.4	BBTM 11	0.276	5.51	5.5
	Rellenos	0.624	11.00	11.0				
40.000	SUELOCEMENTO	2.010	41.39	83.4	AC32 BASE 10	0.670	13.37	26.8
	AC22 BIN	0.468	9.36	18.7	BBTM 11	0.276	5.51	11.0
	Rellenos	0.314	9.64	20.6				
60.000	SUELOCEMENTO	2.100	41.83	125.2	AC32 BASE 10	0.671	13.42	40.2
	AC22 BIN	0.468	9.37	28.1	BBTM 11	0.276	5.51	16.5
	Rellenos	0.652	10.54	31.2				
80.000	SUELOCEMENTO	1.991	40.89	166.1	AC32 BASE 10	0.631	13.03	53.2
	AC22 BIN	0.440	9.09	37.2	BBTM 11	0.258	5.34	21.9
	Rellenos	0.698	13.42	44.6				
100.000	SUELOCEMENTO	1.880	38.75	204.9	AC32 BASE 10	0.590	12.20	65.4
	AC22 BIN	0.411	8.49	45.7	BBTM 11	0.241	4.99	26.9
	Rellenos	0.742	14.50	59.1				
120.000	SUELOCEMENTO	1.881	37.61	242.5	AC32 BASE 10	0.590	11.80	77.3
	AC22 BIN	0.411	8.21	53.9	BBTM 11	0.241	4.82	31.7
	Rellenos	0.723	14.57	73.7				



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 PROYECTO :
 GRUPO : 2 : ENLACE CV35
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 17 : RAMAL CV-35 (V) - C.L.D. (CPOL17_a1.vol)

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ESTRUCTURA

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
140.000	SUELOCEMENTO	0.000	23.51	266.0	AC32 BASE 10	0.000	7.38	84.6
	AC22 BIN	0.560	9.33	63.2	BBTM 11	0.240	4.81	36.5
	Rellenos	0.000	9.03	82.7				
160.000	AC22 BIN	0.560	11.20	74.4	BBTM 11	0.240	4.80	41.3

180.000 AC22 BIN 0.560 11.20 85.6 BBTM 11 0.240 4.80 46.1

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PROYECTO :
 GRUPO : 2 : ENLACE CV35
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 17 : RAMAL CV-35 (V) - C.L.D. (CPOL17_a1.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
200.000	SUELOCEMENTO	1.881	14.11	280.1	AC32 BASE 10	0.590	4.43	89.1
	AC22 BIN	0.410	10.08	95.7	BBTM 11	0.241	4.81	50.9
	Rellenos	0.723	5.42	88.1				
220.000	SUELOCEMENTO	1.862	37.51	317.6	AC32 BASE 10	0.584	11.77	100.8
	AC22 BIN	0.406	8.19	103.9	BBTM 11	0.238	4.80	55.7
	Rellenos	0.691	14.41	102.5				
240.000	SUELOCEMENTO	1.707	36.17	353.8	AC32 BASE 10	0.559	11.50	112.3
	AC22 BIN	0.394	8.02	111.9	BBTM 11	0.233	4.71	60.4
	Rellenos	0.351	9.56	112.1				
260.000	SUELOCEMENTO	1.418	30.65	384.4	AC32 BASE 10	0.470	10.15	122.5
	AC22 BIN	0.330	7.15	119.1	BBTM 11	0.195	4.24	64.7
	Rellenos	0.543	7.80	119.9				
269.391	SUELOCEMENTO	1.781	13.49	397.9	AC32 BASE 10	0.555	4.46	126.9
	AC22 BIN	0.385	3.13	122.2	BBTM 11	0.226	1.85	66.5
	Rellenos	0.877	5.24	125.1				

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PROYECTO :
 GRUPO : 2 : ENLACE CV35
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 17 : RAMAL CV-35 (V) - C.L.D. (CPOL17_a1.vol)

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* * * RESUMEN DE VOLUMENES TOTALES * * *

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MATERIAL	VOLUMEN
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SUELOCEMENTO	397.9
AC32 BASE 10	126.9
AC22 BIN	122.2
BBTM 11	66.5
Rellenos	125.1

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 PROYECTO :
 GRUPO : 1 : CALZADAS LATERALES
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 18 : CALZADA LATERAL DERECHA (CPOL18_a1.vol)

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SECCIÓN 132

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	SUELOCEMENTO	1.221	0.00	0.0	SUELO CEMENTO A	0.855	0.00	0.0
	AC32 BASE 10	0.525	0.00	0.0	AC22 BIN	0.541	0.00	0.0
	BBTM 11	0.226	0.00	0.0	Relenos	1.380	0.00	0.0
20.000	SUELOCEMENTO	1.271	24.92	24.9	SUELO CEMENTO A	0.855	17.11	17.1
	AC32 BASE 10	0.550	10.75	10.7	AC22 BIN	0.559	11.00	11.0
	BBTM 11	0.233	4.59	4.6	Relenos	1.436	28.16	28.2
40.000	SUELOCEMENTO	1.321	25.92	50.8	SUELO CEMENTO A	0.855	17.11	34.2
	AC32 BASE 10	0.575	11.25	22.0	AC22 BIN	0.576	11.35	22.3
	BBTM 11	0.241	4.74	9.3	Relenos	1.436	28.73	56.9
60.000	SUELOCEMENTO	1.321	26.42	77.3	SUELO CEMENTO A	0.855	17.11	51.3
	AC32 BASE 10	0.575	11.50	33.5	AC22 BIN	0.576	11.52	33.9
	BBTM 11	0.241	4.82	14.2	Relenos	1.437	28.73	85.6
80.000	SUELOCEMENTO	1.321	26.42	103.7	SUELO CEMENTO A	0.855	17.11	68.4
	AC32 BASE 10	0.575	11.50	45.0	AC22 BIN	0.576	11.52	45.4
	BBTM 11	0.241	4.82	19.0	Relenos	1.436	28.73	114.3
100.000	SUELOCEMENTO	1.321	26.42	130.1	SUELO CEMENTO A	0.855	17.11	85.5
	AC32 BASE 10	0.575	11.50	56.5	AC22 BIN	0.576	11.52	56.9
	BBTM 11	0.241	4.82	23.8	Relenos	1.437	28.73	143.1
120.000	SUELOCEMENTO	1.321	26.42	156.5	SUELO CEMENTO A	0.855	17.11	102.6
	AC32 BASE 10	0.575	11.50	68.0	AC22 BIN	0.576	11.52	68.4
	BBTM 11	0.241	4.82	28.6	Relenos	1.362	27.98	171.1
140.000	SUELOCEMENTO	1.321	26.42	183.0	SUELO CEMENTO A	0.855	17.11	119.7
	AC32 BASE 10	0.575	11.50	79.5	AC22 BIN	0.576	11.52	80.0
	BBTM 11	0.241	4.82	33.4	Relenos	1.407	27.69	198.7
160.000	SUELOCEMENTO	1.321	26.42	209.4	SUELO CEMENTO A	0.855	17.11	136.8
	AC32 BASE 10	0.575	11.50	91.0	AC22 BIN	0.576	11.52	91.5
	BBTM 11	0.241	4.82	38.2	Relenos	1.380	27.83	226.6
180.000	SUELOCEMENTO	1.321	26.43	235.8	SUELO CEMENTO A	0.855	17.11	154.0
	AC32 BASE 10	0.575	11.50	102.5	AC22 BIN	0.576	11.52	103.0
	BBTM 11	0.241	4.82	43.1	Relenos	1.433	28.13	254.7
200.000	SUELOCEMENTO	1.321	26.42	262.2	SUELO CEMENTO A	0.855	17.11	171.1
	AC32 BASE 10	0.575	11.50	114.0	AC22 BIN	0.576	11.52	114.5
	BBTM 11	0.241	4.82	47.9	Relenos	1.403	28.36	283.1
220.000	SUELOCEMENTO	1.321	26.43	288.7	SUELO CEMENTO A	0.855	17.11	188.2
	AC32 BASE 10	0.575	11.50	125.5	AC22 BIN	0.576	11.52	126.0
	BBTM 11	0.241	4.82	52.7	Relenos	1.297	27.00	310.1



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 PROYECTO :
 GRUPO : 1 : CALZADAS LATERALES
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

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EJE : 18 : CALZADA LATERAL DERECHA (CPOL18_a1.vol)

SECCIÓN 132

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
240.000	SUELOCEMENTO	1.321	26.42	315.1	SUELO CEMENTO A	0.855	17.11	205.3
	AC32 BASE 10	0.575	11.50	137.0	AC22 BIN	0.576	11.52	137.6
	BBTM 11	0.241	4.82	57.5	Relenos	1.359	26.56	336.6
260.000	SUELOCEMENTO	1.321	26.42	341.5	SUELO CEMENTO A	0.855	17.11	222.4
	AC32 BASE 10	0.575	11.50	148.5	AC22 BIN	0.576	11.52	149.1
	BBTM 11	0.241	4.82	62.3	Relenos	1.289	26.48	363.1
280.000	SUELOCEMENTO	1.321	26.43	367.9	SUELO CEMENTO A	0.855	17.11	239.5
	AC32 BASE 10	0.575	11.50	160.0	AC22 BIN	0.576	11.52	160.6
	BBTM 11	0.241	4.82	67.2	Relenos	0.811	21.63	384.7
300.000	SUELOCEMENTO	1.320	26.41	394.4	SUELO CEMENTO A	0.035	9.42	248.9
	AC32 BASE 10	0.575	11.50	171.5	AC22 BIN	0.410	9.97	170.6
	BBTM 11	0.173	4.18	71.3	Relenos	0.675	14.38	399.1
320.000	SUELOCEMENTO	1.182	25.01	419.4	SUELO CEMENTO A	0.000	0.35	249.3
	AC32 BASE 10	0.525	11.00	182.5	AC22 BIN	0.358	7.68	178.3
	BBTM 11	0.151	3.23	74.6	Relenos	0.675	13.51	412.6
340.000	SUELOCEMENTO	2.021	38.51	457.9	SUELO CEMENTO A	0.855	15.15	264.4
	AC32 BASE 10	0.925	17.58	200.0	AC22 BIN	0.821	15.36	193.6
	BBTM 11	0.346	6.47	81.0	Relenos	1.289	24.37	437.0
360.000	SUELOCEMENTO	2.021	40.42	498.3	SUELO CEMENTO A	0.855	17.11	281.5
	AC32 BASE 10	0.925	18.50	218.5	AC22 BIN	0.821	16.42	210.1
	BBTM 11	0.346	6.92	88.0	Relenos	1.289	25.77	462.8
380.000	SUELOCEMENTO	2.021	40.42	538.7	SUELO CEMENTO A	0.855	17.11	298.6
	AC32 BASE 10	0.925	18.50	237.0	AC22 BIN	0.821	16.42	226.5
	BBTM 11	0.346	6.92	94.9	Relenos	1.289	25.77	488.5
400.000	SUELOCEMENTO	1.990	40.38	579.1	SUELO CEMENTO A	0.855	17.11	315.7
	AC32 BASE 10	0.909	18.47	255.5	AC22 BIN	0.810	16.41	242.9
	BBTM 11	0.341	6.91	101.8	Relenos	1.283	25.81	514.3
420.000	SUELOCEMENTO	1.756	37.46	616.6	SUELO CEMENTO A	0.855	17.11	332.8
	AC32 BASE 10	0.792	17.01	272.5	AC22 BIN	0.728	15.38	258.3
	BBTM 11	0.306	6.47	108.3	Relenos	1.289	25.71	540.0
440.000	SUELOCEMENTO	1.523	32.79	649.4	SUELO CEMENTO A	0.855	17.10	349.9
	AC32 BASE 10	0.676	14.68	287.2	AC22 BIN	0.647	13.75	272.0
	BBTM 11	0.271	5.77	114.0	Relenos	1.288	25.77	565.8
460.000	SUELOCEMENTO	1.321	28.17	677.5	SUELO CEMENTO A	0.855	17.10	367.0
	AC32 BASE 10	0.575	12.37	299.6	AC22 BIN	0.576	12.13	284.2
	BBTM 11	0.241	5.08	119.1	Relenos	1.288	25.80	591.6



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PROYECTO :

GRUPO : 1 : CALZADAS LATERALES

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 18 : CALZADA LATERAL DERECHA (CPOL18_a1.vol)

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SECCIÓN 132

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
480.000	SUELOCEMENTO	1.321	26.43	704.0	SUELO CEMENTO A	0.855	17.11	384.2
	AC32 BASE 10	0.575	11.50	311.1	AC22 BIN	0.576	11.52	295.7
	BBTM 11	0.241	4.82	123.9	Relenos	1.191	24.80	616.4
480.000	SUELOCEMENTO	1.321	0.00	704.0	SUELO CEMENTO A	0.855	0.00	384.2
	AC32 BASE 10	0.575	0.00	311.1	AC22 BIN	0.576	0.00	295.7
	BBTM 11	0.241	0.00	123.9	Relenos	1.191	0.00	616.4
500.000	SUELOCEMENTO	1.321	26.43	730.4	SUELO CEMENTO A	0.855	17.11	401.3
	AC32 BASE 10	0.575	11.50	322.6	AC22 BIN	0.576	11.52	307.2
	BBTM 11	0.241	4.82	128.8	Relenos	0.974	21.66	638.1
500.000	SUELOCEMENTO	1.321	0.00	730.4	SUELO CEMENTO A	0.855	0.00	401.3
	AC32 BASE 10	0.575	0.00	322.6	AC22 BIN	0.576	0.00	307.2
	BBTM 11	0.241	0.00	128.8	Relenos	0.974	0.00	638.1
520.000	SUELOCEMENTO	1.321	26.42	756.8	SUELO CEMENTO A	0.852	17.07	418.3
	AC32 BASE 10	0.575	11.50	334.1	AC22 BIN	0.576	11.52	318.7
	BBTM 11	0.241	4.82	133.6	Relenos	0.787	17.61	655.7
540.000	SUELOCEMENTO	1.321	26.42	783.2	SUELO CEMENTO A	0.734	15.86	434.2
	AC32 BASE 10	0.575	11.50	345.6	AC22 BIN	0.571	11.47	330.2
	BBTM 11	0.241	4.82	138.4	Relenos	0.703	14.90	670.6
560.000	SUELOCEMENTO	1.321	26.42	809.7	SUELO CEMENTO A	0.559	12.94	447.1
	AC32 BASE 10	0.575	11.50	357.1	AC22 BIN	0.532	11.04	341.2
	BBTM 11	0.225	4.66	143.0	Relenos	0.675	13.78	684.4
580.000	SUELOCEMENTO	1.321	26.42	836.1	SUELO CEMENTO A	0.328	8.87	456.0
	AC32 BASE 10	0.575	11.50	368.5	AC22 BIN	0.479	10.11	351.3
	BBTM 11	0.202	4.27	147.3	Relenos	0.675	13.50	697.9
600.000	SUELOCEMENTO	1.321	26.42	862.5	SUELO CEMENTO A	0.141	4.68	460.7
	AC32 BASE 10	0.575	11.50	380.0	AC22 BIN	0.435	9.14	360.5
	BBTM 11	0.184	3.86	151.2	Relenos	0.675	13.50	711.4
620.000	SUELOCEMENTO	1.315	26.36	888.9	SUELO CEMENTO A	0.023	1.64	462.3
	AC32 BASE 10	0.575	11.50	391.5	AC22 BIN	0.406	8.42	368.9
	BBTM 11	0.171	3.55	154.7	Relenos	0.675	13.50	724.9
640.000	SUELOCEMENTO	1.282	25.95	914.8	SUELO CEMENTO A	0.001	0.23	462.5
	AC32 BASE 10	0.575	11.50	403.0	AC22 BIN	0.394	7.99	376.9
	BBTM 11	0.166	3.37	158.1	Relenos	0.675	13.50	738.4
660.000	SUELOCEMENTO	2.021	31.73	946.6	SUELO CEMENTO A	0.855	7.05	469.6
	AC32 BASE 10	0.925	14.38	417.4	AC22 BIN	0.821	11.39	388.3
	BBTM 11	0.346	4.80	162.9	Relenos	1.289	18.55	756.9



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PROYECTO :

GRUPO : 1 : CALZADAS LATERALES

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 18 : CALZADA LATERAL DERECHA (CPOL18_a1.vol)

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SECCIÓN 132

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
680.000	SUELOCEMENTO	2.021	40.42	987.0	SUELO CEMENTO A	0.855	17.11	486.7
	AC32 BASE 10	0.925	18.50	435.9	AC22 BIN	0.821	16.42	404.7
	BBTM 11	0.346	6.92	169.8	Rellenos	1.289	25.77	782.7
700.000	SUELOCEMENTO	0.000	27.28	1014.3	SUELO CEMENTO A	0.000	11.35	498.0
	AC32 BASE 10	0.000	12.42	448.3	AC22 BIN	0.000	11.03	415.7
	BBTM 11	0.000	4.64	174.5	Rellenos	0.000	17.10	799.8
740.000	Rellenos	0.010	0.09	799.9				
760.000	Rellenos	0.170	1.86	801.8				
780.000	Rellenos	0.238	4.07	805.8				
800.000	Rellenos	0.271	5.03	810.9				
820.000	Rellenos	0.356	6.27	817.1				
840.000	SUELOCEMENTO	0.002	0.02	1014.3	Rellenos	0.481	8.38	825.5
840.000	SUELOCEMENTO	0.002	0.00	1014.3	Rellenos	0.481	0.00	825.5
860.000	SUELOCEMENTO	0.000	0.01	1014.3	Rellenos	0.245	7.14	832.6
880.000	Rellenos	0.255	5.00	837.6				
880.000	Rellenos	0.255	0.00	837.6				
900.000	Rellenos	0.463	7.18	844.8				
920.000	SUELOCEMENTO	0.047	0.47	1014.8	Rellenos	0.556	10.19	855.0
940.000	SUELOCEMENTO	0.118	1.65	1016.4	AC32 BASE 10	0.034	0.34	448.7
	AC22 BIN	0.014	0.14	415.9	BBTM 11	0.003	0.03	174.5
	Rellenos	0.578	11.34	866.4				
960.000	SUELOCEMENTO	0.142	2.79	1019.2	AC32 BASE 10	0.045	0.88	449.6
	AC22 BIN	0.022	0.43	416.3	BBTM 11	0.006	0.12	174.6
	Rellenos	0.575	11.53	877.9				
980.000	SUELOCEMENTO	0.161	2.91	1022.1	AC32 BASE 10	0.055	0.95	450.5
	AC22 BIN	0.029	0.47	416.8	BBTM 11	0.009	0.14	174.7
	Rellenos	0.570	11.44	889.3				
1000.000	SUELOCEMENTO	0.266	4.26	1026.4	AC32 BASE 10	0.108	1.63	452.1
	AC22 BIN	0.066	0.95	417.7	BBTM 11	0.025	0.35	175.1
	Rellenos	0.565	11.34	900.7				
1020.000	SUELOCEMENTO	0.381	6.52	1032.9	AC32 BASE 10	0.165	2.75	454.9
	AC22 BIN	0.106	1.74	419.5	BBTM 11	0.043	0.68	175.8
	Rellenos	0.560	11.24	911.9				
1040.000	SUELOCEMENTO	0.420	7.96	1040.9	AC32 BASE 10	0.179	3.43	458.3
	AC22 BIN	0.116	2.21	421.7	BBTM 11	0.047	0.88	176.7
	Rellenos	0.580	11.36	923.3				



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PROYECTO :

GRUPO : 1 : CALZADAS LATERALES

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 18 : CALZADA LATERAL DERECHA (CPOL18_a1.vol)

SECCIÓN 132

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1060.000	SUELOCEMENTO	0.432	8.52	1049.4	AC32 BASE 10	0.178	3.57	461.9

	AC22 BIN	0.115	2.31	424.0	BBTM 11	0.046	0.93	177.6
	Rellenos	0.612	11.92	935.2				
1080.000	SUELOCEMENTO	0.452	8.84	1058.2	AC32 BASE 10	0.175	3.53	465.4
	AC22 BIN	0.113	2.28	426.3	BBTM 11	0.045	0.92	178.5
	Rellenos	0.728	13.50	948.7				
1100.000	SUELOCEMENTO	2.620	52.06	1110.3	SUELO CEMENTO A	0.856	17.35	515.4
	AC32 BASE 10	1.225	24.47	489.9	AC22 BIN	1.031	20.59	446.9
	BBTM 11	0.436	8.71	187.2	Rellenos	1.439	29.18	977.9
1120.000	SUELOCEMENTO	2.636	52.55	1162.8	SUELO CEMENTO A	0.843	16.99	532.4
	AC32 BASE 10	1.225	24.49	514.4	AC22 BIN	1.031	20.62	467.5
	BBTM 11	0.435	8.72	195.9	Rellenos	1.412	28.51	1006.4
1140.000	SUELOCEMENTO	2.636	52.71	1215.5	SUELO CEMENTO A	0.831	16.74	549.1
	AC32 BASE 10	1.224	24.49	538.9	AC22 BIN	1.031	20.63	488.1
	BBTM 11	0.435	8.71	204.6	Rellenos	1.349	27.61	1034.0
1160.000	SUELOCEMENTO	2.635	52.71	1268.2	SUELO CEMENTO A	0.832	16.63	565.7
	AC32 BASE 10	1.225	24.49	563.4	AC22 BIN	1.031	20.62	508.7
	BBTM 11	0.436	8.72	213.4	Rellenos	1.323	26.72	1060.7
1180.000	SUELOCEMENTO	2.635	52.70	1320.9	SUELO CEMENTO A	0.832	16.64	582.4
	AC32 BASE 10	1.224	24.49	587.9	AC22 BIN	1.031	20.62	529.3
	BBTM 11	0.436	8.72	222.1	Rellenos	1.298	26.21	1086.9
1200.000	SUELOCEMENTO	2.635	52.69	1373.6	SUELO CEMENTO A	0.832	16.64	599.0
	AC32 BASE 10	1.225	24.49	612.4	AC22 BIN	1.031	20.62	550.0
	BBTM 11	0.436	8.72	230.8	Rellenos	1.273	25.71	1112.6
1220.000	SUELOCEMENTO	2.634	52.69	1426.3	SUELO CEMENTO A	0.832	16.65	615.7
	AC32 BASE 10	1.225	24.49	636.8	AC22 BIN	1.031	20.62	570.6
	BBTM 11	0.436	8.72	239.5	Rellenos	1.271	25.42	1138.1
1220.000	SUELOCEMENTO	2.634	0.00	1426.3	SUELO CEMENTO A	0.832	0.00	615.7
	AC32 BASE 10	1.225	0.00	636.8	AC22 BIN	1.031	0.00	570.6
	BBTM 11	0.436	0.00	239.5	Rellenos	1.271	0.00	1138.1
1240.000	SUELOCEMENTO	2.634	52.69	1479.0	SUELO CEMENTO A	0.832	16.64	632.3
	AC32 BASE 10	1.225	24.49	661.3	AC22 BIN	1.032	20.62	591.2
	BBTM 11	0.436	8.72	248.2	Rellenos	1.288	25.52	1163.6
1260.000	SUELOCEMENTO	2.636	52.70	1531.7	SUELO CEMENTO A	0.831	16.63	648.9
	AC32 BASE 10	1.225	24.50	685.8	AC22 BIN	1.031	20.62	611.8
	BBTM 11	0.436	8.71	256.9	Rellenos	1.336	26.24	1189.8



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PROYECTO :

GRUPO : 1 : CALZADAS LATERALES

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 18 : CALZADA LATERAL DERECHA (CPOL18_a1.vol1)

SECCIÓN 132

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1280.000	SUELOCEMENTO	2.628	52.64	1584.4	SUELO CEMENTO A	0.849	16.80	665.7
	AC32 BASE 10	1.225	24.50	710.3	AC22 BIN	1.031	20.62	632.5
	BBTM 11	0.436	8.72	265.7	Rellenos	1.407	27.44	1217.3
1300.000	SUELOCEMENTO	2.621	52.44	1636.8	SUELO CEMENTO A	0.855	17.09	682.8
	AC32 BASE 10	1.225	24.50	734.8	AC22 BIN	1.031	20.62	653.1

	BBTM 11	0.436	8.72	274.4		Rellenos	1.391	27.96	1245.2
1320.000	SUELOCEMENTO	2.621	52.43	1689.2	SUELO	CEMENTO A	0.855	17.11	699.9
	AC32 BASE 10	1.225	24.50	759.3		AC22 BIN	1.031	20.62	673.7
	BBTM 11	0.436	8.72	283.1		Rellenos	1.388	27.78	1273.0
1340.000	SUELOCEMENTO	2.621	52.42	1741.7	SUELO	CEMENTO A	0.855	17.11	717.0
	AC32 BASE 10	1.225	24.50	783.8		AC22 BIN	1.031	20.62	694.3
	BBTM 11	0.436	8.72	291.8		Rellenos	1.384	27.71	1300.7
1360.000	SUELOCEMENTO	2.621	52.42	1794.1	SUELO	CEMENTO A	0.855	17.11	734.2
	AC32 BASE 10	1.225	24.50	808.3		AC22 BIN	1.031	20.62	714.9
	BBTM 11	0.436	8.72	300.5		Rellenos	1.364	27.48	1328.2
1380.000	SUELOCEMENTO	2.621	52.43	1846.5	SUELO	CEMENTO A	0.855	17.11	751.3
	AC32 BASE 10	1.225	24.50	832.8		AC22 BIN	1.031	20.62	735.6
	BBTM 11	0.436	8.72	309.3		Rellenos	1.350	27.14	1355.3
1400.000	SUELOCEMENTO	2.621	52.42	1898.9	SUELO	CEMENTO A	0.855	17.11	768.4
	AC32 BASE 10	1.225	24.50	857.3		AC22 BIN	1.031	20.62	756.2
	BBTM 11	0.436	8.72	318.0		Rellenos	1.345	26.95	1382.3
1420.000	SUELOCEMENTO	2.621	52.42	1951.4	SUELO	CEMENTO A	0.855	17.11	785.5
	AC32 BASE 10	1.225	24.50	881.8		AC22 BIN	1.031	20.62	776.8
	BBTM 11	0.436	8.72	326.7		Rellenos	1.205	25.50	1407.8
1440.000	SUELOCEMENTO	2.621	52.43	2003.8	SUELO	CEMENTO A	0.855	17.11	802.6
	AC32 BASE 10	1.225	24.50	906.3		AC22 BIN	1.031	20.62	797.4
	BBTM 11	0.436	8.72	335.4		Rellenos	1.089	23.04	1430.8
1460.000	SUELOCEMENTO	2.621	52.42	2056.2	SUELO	CEMENTO A	0.855	17.11	819.7
	AC32 BASE 10	1.225	24.50	930.8		AC22 BIN	1.031	20.62	818.1
	BBTM 11	0.436	8.72	344.1		Rellenos	0.844	19.34	1450.2
1480.000	SUELOCEMENTO	2.602	52.25	2108.5	SUELO	CEMENTO A	0.855	17.11	836.8
	AC32 BASE 10	1.225	24.50	955.3		AC22 BIN	1.031	20.62	838.7
	BBTM 11	0.436	8.72	352.8		Rellenos	0.707	15.48	1465.6
1500.000	SUELOCEMENTO	2.535	51.37	2159.8	SUELO	CEMENTO A	0.855	17.11	853.9
	AC32 BASE 10	1.223	24.48	979.8		AC22 BIN	1.031	20.62	859.3
	BBTM 11	0.436	8.72	361.6		Rellenos	0.684	13.92	1479.6



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PROYECTO :

GRUPO : 1 : CALZADAS LATERALES

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 18 : CALZADA LATERAL DERECHA (CPOL18_a1.vol1)

SECCIÓN 132

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
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1520.000	SUELOCEMENTO	2.534	50.67	2210.5	SUELO CEMENTO A	0.855	17.11	871.0
	AC32 BASE 10	1.223	24.46	1004.2	AC22 BIN	1.031	20.62	879.9
	BBTM 11	0.436	8.72	370.3	Rellenos	0.685	13.68	1493.2
1540.000	SUELOCEMENTO	2.606	51.34	2261.8	SUELO CEMENTO A	0.855	17.11	888.1
	AC32 BASE 10	1.225	24.49	1028.7	AC22 BIN	1.031	20.62	900.5
	BBTM 11	0.436	8.72	379.0	Rellenos	0.745	14.17	1507.4
1560.000	SUELOCEMENTO	2.621	52.28	2314.1	SUELO CEMENTO A	0.855	17.11	905.2
	AC32 BASE 10	1.225	24.50	1053.2	AC22 BIN	1.031	20.62	921.2
	BBTM 11	0.436	8.72	387.7	Rellenos	0.824	15.69	1523.1

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* * * RESUMEN DE VOLUMENES TOTALES * * *

SUELOCIMIENTO	2321.9
SUELO CEMENTO A	907.7
AC32 BASE 10	1056.8
AC22 BIN	924.2
BBTM 11	389.0
Rellenos	1526.3

PROYECTO :
 GRUPO : 5 : CALZADAS LATERALES. EJES COMPLEMENTARIOS
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 19 : RAMAL CALZADA DERECHA - VÍA LATERAL DERECHA (CPOL19_a1.vol)

SECCIÓN 032

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 * * * MEDICIONES DE LOS PERFILES TRANSVERSALES * * *
 * * * CAPAS DE FIRME * * *
 =====

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	SUELOCEMENTO	1.807	0.00	0.0	ZAHORRA ART. AR	0.454	0.00	0.0
	SUELO CEMENTO A	0.555	0.00	0.0	AC32 BASE 10	0.700	0.00	0.0
	AC22 BIN	0.673	0.00	0.0	BBTM 11	0.285	0.00	0.0
	Rellenos	0.530	0.00	0.0				
20.000	SUELOCEMENTO	1.820	36.19	36.2	ZAHORRA ART. AR	0.454	9.09	9.1
	SUELO CEMENTO A	0.555	11.11	11.1	AC32 BASE 10	0.705	14.02	14.0
	AC22 BIN	0.677	13.48	13.5	BBTM 11	0.287	5.72	5.7
	Rellenos	0.530	10.60	10.6				
40.000	SUELOCEMENTO	1.895	37.04	73.2	ZAHORRA ART. AR	0.454	9.09	18.2
	SUELO CEMENTO A	0.555	11.11	22.2	AC32 BASE 10	0.735	14.36	28.4
	AC22 BIN	0.698	13.71	27.2	BBTM 11	0.296	5.82	11.5
	Rellenos	0.530	10.60	21.2				
60.000	SUELOCEMENTO	0.000	13.31	86.5	ZAHORRA ART. AR	0.000	3.16	21.3
	SUELO CEMENTO A	0.000	3.86	26.1	AC32 BASE 10	0.000	5.17	33.6
	AC22 BIN	0.000	4.89	32.1	BBTM 11	0.000	2.07	13.6
	Rellenos	0.000	3.68	24.9				
140.000	Rellenos	0.192	1.30	26.2				
160.000	ZAHORRA ART. AR	0.001	0.01	21.3	Rellenos	0.394	5.86	32.0
180.000	ZAHORRA ART. AR	0.001	0.03	21.4	Rellenos	0.376	7.73	39.8
200.000	ZAHORRA ART. AR	0.035	0.11	21.5	Rellenos	0.454	7.17	46.9
220.000	ZAHORRA ART. AR	0.138	1.77	23.2	SUELO CEMENTO A	0.045	0.46	26.5
	Rellenos	0.525	9.83	56.8				
240.000	ZAHORRA ART. AR	0.080	2.33	25.6	SUELO CEMENTO A	0.003	0.54	27.1
	Rellenos	0.499	10.34	67.1				
260.000	ZAHORRA ART. AR	0.114	1.94	27.5	SUELO CEMENTO A	0.024	0.27	27.3
	Rellenos	0.516	10.15	77.2				
280.000	ZAHORRA ART. AR	0.188	3.01	30.5	SUELO CEMENTO A	0.090	1.13	28.5
	AC22 BIN	0.015	0.15	32.2	BBTM 11	0.004	0.04	13.6
	Rellenos	0.529	10.45	87.7				
300.000	ZAHORRA ART. AR	0.279	4.67	35.2	SUELO CEMENTO A	0.183	2.73	31.2
	AC22 BIN	0.048	0.63	32.9	BBTM 11	0.018	0.21	13.9
	Rellenos	0.529	10.57	98.3				
320.000	ZAHORRA ART. AR	0.447	7.29	42.5	SUELO CEMENTO A	0.398	5.83	37.0
	AC22 BIN	0.123	1.72	34.6	BBTM 11	0.050	0.68	14.5
	Rellenos	0.542	10.70	109.0				
340.000	ZAHORRA ART. AR	0.523	9.80	52.3	SUELO CEMENTO A	0.500	9.10	46.1
	AC22 BIN	0.159	2.86	37.5	BBTM 11	0.065	1.17	15.7
	Rellenos	0.555	10.97	119.9				



GRUPO : 5 : CALZADAS LATERALES. EJES COMPLEMENTARIOS
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 19 : RAMAL CALZADA DERECHA - VÍA LATERAL DERECHA (CPOL19_a1.vol)

SECCIÓN 032

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
360.000	SUELOCEMENTO	0.003	0.03	86.6	ZAHORRA ART. AR	0.534	10.60	62.9
	SUELO CEMENTO A	0.517	10.21	56.3	AC22 BIN	0.165	3.25	40.7
	BBTM 11	0.068	1.33	17.0	Rellenos	0.565	11.18	131.1
380.000	SUELOCEMENTO	0.021	0.21	86.8	ZAHORRA ART. AR	0.535	10.69	73.6
	SUELO CEMENTO A	0.540	10.53	66.9	AC22 BIN	0.173	3.36	44.1
	BBTM 11	0.071	1.38	18.4	Rellenos	0.578	11.43	142.5
400.000	SUELOCEMENTO	0.048	0.70	87.5	ZAHORRA ART. AR	0.515	10.51	84.1
	SUELO CEMENTO A	0.552	10.91	77.8	AC22 BIN	0.181	3.54	47.6
	BBTM 11	0.075	1.46	19.9	Rellenos	0.574	11.52	154.1
420.000	SUELOCEMENTO	0.056	1.06	88.5	ZAHORRA ART. AR	0.498	10.14	94.2
	SUELO CEMENTO A	0.555	11.07	88.9	AC22 BIN	0.183	3.64	51.2
	BBTM 11	0.075	1.50	21.4	Rellenos	0.570	11.43	165.5
426.769	SUELOCEMENTO	2.365	8.19	96.7	ZAHORRA ART. AR	0.493	3.35	97.6
	SUELO CEMENTO A	0.555	3.76	92.6	AC32 BASE 10	0.875	2.96	36.5
	AC22 BIN	0.786	3.28	54.5	BBTM 11	0.331	1.37	22.7
	Rellenos	1.142	5.79	171.3				



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PROYECTO :
 GRUPO : 5 : CALZADAS LATERALES. EJES COMPLEMENTARIOS
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 19 : RAMAL CALZADA DERECHA - VÍA LATERAL DERECHA (CPOL19_a1.vol)

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* * * RESUMEN DE VOLUMENES TOTALES * * *

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MATERIAL	VOLUMEN
SUELOCEMENTO	96.7
ZAHORRA ART. AR	97.6
SUELO CEMENTO A	92.6
AC32 BASE 10	36.5
AC22 BIN	54.5
BBTM 11	22.7
Rellenos	171.3

PROYECTO :
 GRUPO : 2 : ENLACE CV35
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 20 : RAMAL CV35(A) - CALZADA DERECHA (CPOL20_a1.vol)

SECCIÓN 132

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 * * * MEDICIONES DE LOS PERFILES TRANSVERSALES * * *
 * * * CAPAS DE FIRME * * *
 =====

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	SUELOCEMENTO	1.362	0.00	0.0	SUELO CEMENTO A	0.904	0.00	0.0
	AC32 BASE 10	0.623	0.00	0.0	AC22 BIN	0.609	0.00	0.0
	BBTM 11	0.255	0.00	0.0	Relenos	0.717	0.00	0.0
20.000	SUELOCEMENTO	1.537	28.98	29.0	SUELO CEMENTO A	0.904	18.09	18.1
	AC32 BASE 10	0.710	13.33	13.3	AC22 BIN	0.671	12.80	12.8
	BBTM 11	0.281	5.37	5.4	Relenos	0.717	14.33	14.3
40.000	SUELOCEMENTO	1.714	32.51	61.5	SUELO CEMENTO A	0.902	18.07	36.2
	AC32 BASE 10	0.798	15.08	28.4	AC22 BIN	0.732	14.02	26.8
	BBTM 11	0.308	5.89	11.3	Relenos	0.254	9.71	24.0
60.000	SUELOCEMENTO	1.937	36.49	98.0	SUELO CEMENTO A	0.856	17.58	53.7
	AC32 BASE 10	0.885	16.83	45.2	AC22 BIN	0.793	15.25	42.1
	BBTM 11	0.334	6.42	17.7	Relenos	0.213	4.39	28.4
80.000	SUELOCEMENTO	2.125	40.71	138.7	SUELO CEMENTO A	0.832	16.76	70.5
	AC32 BASE 10	0.972	18.58	63.8	AC22 BIN	0.854	16.48	58.6
	BBTM 11	0.360	6.94	24.6	Relenos	0.205	4.18	32.6
100.000	SUELOCEMENTO	2.077	42.03	180.7	SUELO CEMENTO A	0.832	16.64	87.1
	AC32 BASE 10	0.949	19.21	83.0	AC22 BIN	0.838	16.93	75.5
	BBTM 11	0.353	7.13	31.8	Relenos	0.203	4.06	36.7
120.000	SUELOCEMENTO	2.032	41.09	221.8	SUELO CEMENTO A	0.832	16.64	103.8
	AC32 BASE 10	0.926	18.75	101.8	AC22 BIN	0.822	16.60	92.1
	BBTM 11	0.346	7.00	38.7	Relenos	0.672	8.75	45.4
140.000	SUELOCEMENTO	1.985	40.17	262.0	SUELO CEMENTO A	0.832	16.64	120.4
	AC32 BASE 10	0.903	18.29	120.1	AC22 BIN	0.806	16.28	108.4
	BBTM 11	0.339	6.85	45.6	Relenos	0.666	13.40	58.8
160.000	SUELOCEMENTO	1.941	39.01	301.0	SUELO CEMENTO A	0.847	16.71	137.1
	AC32 BASE 10	0.880	17.82	137.9	AC22 BIN	0.789	15.95	124.3
	BBTM 11	0.332	6.71	52.3	Relenos	1.278	20.33	79.1
180.000	SUELOCEMENTO	0.000	8.62	309.6	SUELO CEMENTO A	0.263	7.66	144.8
	AC32 BASE 10	0.000	3.90	141.8	AC22 BIN	0.036	4.02	128.3
	BBTM 11	0.013	1.65	54.0	Relenos	0.613	15.34	94.5
200.000	SUELO CEMENTO A	0.461	7.24	152.0	AC22 BIN	0.082	1.18	129.5
	BBTM 11	0.032	0.45	54.4	Relenos	0.613	12.27	106.8
220.000	SUELO CEMENTO A	0.809	12.60	164.6	AC22 BIN	0.163	2.42	131.9
	BBTM 11	0.067	0.98	55.4	Relenos	0.613	12.27	119.0
240.000	SUELOCEMENTO	0.230	2.09	311.7	SUELO CEMENTO A	0.855	16.97	181.6
	AC32 BASE 10	0.095	0.70	142.5	AC22 BIN	0.249	4.09	136.0
	BBTM 11	0.104	1.69	57.1	Relenos	0.613	12.27	131.3



PROYECTO :
 GRUPO : 2 : ENLACE CV35

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 20 : RAMAL CV35(A) - CALZADA DERECHA (CPOL20_a1.vol)

SECCIÓN 132

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
260.000	SUELOCEMENTO	0.631	8.37	320.1	SUELO CEMENTO A	0.855	17.11	198.7
	AC32 BASE 10	0.295	3.78	146.3	AC22 BIN	0.390	6.31	142.3
	BBTM 11	0.164	2.64	59.7	Relenos	1.105	17.17	148.5
280.000	SUELOCEMENTO	1.310	19.34	339.4	SUELO CEMENTO A	0.855	17.11	215.8
	AC32 BASE 10	0.572	8.67	154.9	AC22 BIN	0.574	9.64	152.0
	BBTM 11	0.240	4.04	63.8	Relenos	0.812	15.37	163.8
300.000	SUELOCEMENTO	1.352	26.74	366.2	SUELO CEMENTO A	0.855	17.11	232.9
	AC32 BASE 10	0.605	11.79	166.7	AC22 BIN	0.597	11.73	163.7
	BBTM 11	0.250	4.91	68.7	Relenos	0.767	15.90	179.7
320.000	SUELOCEMENTO	1.436	27.88	394.0	SUELO CEMENTO A	0.855	17.11	250.0
	AC32 BASE 10	0.635	12.40	179.1	AC22 BIN	0.618	12.15	175.9
	BBTM 11	0.259	5.09	73.8	Relenos	0.813	15.79	195.5
340.000	SUELOCEMENTO	1.496	29.32	423.4	SUELO CEMENTO A	0.855	17.11	267.1
	AC32 BASE 10	0.665	13.00	192.1	AC22 BIN	0.639	12.57	188.4
	BBTM 11	0.268	5.27	79.0	Relenos	0.813	16.25	211.8
360.000	SUELOCEMENTO	1.556	30.52	453.9	SUELO CEMENTO A	0.855	17.11	284.2
	AC32 BASE 10	0.695	13.60	205.7	AC22 BIN	0.660	12.99	201.4
	BBTM 11	0.277	5.45	84.5	Relenos	0.813	16.25	228.0
380.000	SUELOCEMENTO	1.616	31.72	485.6	SUELO CEMENTO A	0.855	17.11	301.3
	AC32 BASE 10	0.725	14.20	219.9	AC22 BIN	0.681	13.41	214.8
	BBTM 11	0.286	5.63	90.1	Relenos	0.812	16.25	244.3
400.000	SUELOCEMENTO	1.616	32.32	517.9	SUELO CEMENTO A	0.855	17.11	318.4
	AC32 BASE 10	0.725	14.50	234.4	AC22 BIN	0.681	13.62	228.5
	BBTM 11	0.286	5.72	95.8	Relenos	0.813	16.26	260.5
420.000	SUELOCEMENTO	1.605	32.21	550.1	SUELO CEMENTO A	0.865	17.21	335.7
	AC32 BASE 10	0.725	14.50	248.9	AC22 BIN	0.681	13.62	242.1
	BBTM 11	0.286	5.72	101.5	Relenos	0.840	16.53	277.1
440.000	SUELOCEMENTO	1.595	32.00	582.1	SUELO CEMENTO A	0.876	17.41	353.1
	AC32 BASE 10	0.725	14.50	263.4	AC22 BIN	0.681	13.62	255.7
	BBTM 11	0.286	5.72	107.3	Relenos	0.867	17.07	294.1
460.000	SUELOCEMENTO	1.584	31.79	613.9	SUELO CEMENTO A	0.886	17.62	370.7
	AC32 BASE 10	0.725	14.50	277.9	AC22 BIN	0.681	13.62	269.3
	BBTM 11	0.286	5.72	113.0	Relenos	0.884	17.55	311.7
480.000	SUELOCEMENTO	1.574	31.58	645.5	SUELO CEMENTO A	0.897	17.83	388.5
	AC32 BASE 10	0.725	14.50	292.4	AC22 BIN	0.681	13.62	283.0
	BBTM 11	0.286	5.72	118.7	Relenos	0.893	17.77	329.4



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PROYECTO :
GRUPO : 2 : ENLACE CV35
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 20 : RAMAL CV35(A) - CALZADA DERECHA (CPOL20_a1.vol)

SECCIÓN 132

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
500.000	SUELOCEMENTO	1.557	31.32	676.8	SUELO CEMENTO A	0.914	18.09	406.6
	AC32 BASE 10	0.725	14.50	306.9	AC22 BIN	0.681	13.62	296.6
	BBTM 11	0.286	5.72	124.4	Rellenos	0.908	18.01	347.5
520.000	SUELOCEMENTO	1.540	30.97	707.8	SUELO CEMENTO A	0.917	18.30	424.9
	AC32 BASE 10	0.725	14.50	321.4	AC22 BIN	0.681	13.62	310.2
	BBTM 11	0.286	5.72	130.1	Rellenos	0.856	17.64	365.1
540.000	SUELOCEMENTO	1.540	30.80	738.6	SUELO CEMENTO A	0.917	18.33	443.3
	AC32 BASE 10	0.726	14.51	335.9	AC22 BIN	0.681	13.62	323.8
	BBTM 11	0.286	5.72	135.9	Rellenos	0.846	16.93	382.0
560.000	SUELOCEMENTO	0.016	8.26	746.8	SUELO CEMENTO A	0.000	4.58	447.8
	AC32 BASE 10	0.000	3.63	339.6	AC22 BIN	0.000	3.40	327.2
	BBTM 11	0.000	1.43	137.3	Rellenos	0.067	5.39	387.4
560.000	SUELOCEMENTO	0.016	0.00	746.8	Rellenos	0.067	0.00	387.4
580.000	SUELOCEMENTO	0.000	0.16	747.0	Rellenos	0.000	0.66	388.1
640.000	SUELOCEMENTO	1.566	13.07	760.1	SUELO CEMENTO A	0.863	7.21	455.0
	AC32 BASE 10	0.725	6.05	345.6	AC22 BIN	0.681	5.69	332.9
	BBTM 11	0.286	2.39	139.7	Rellenos	1.177	9.82	397.9
660.000	SUELOCEMENTO	1.565	31.31	791.4	SUELO CEMENTO A	0.866	17.29	472.3
	AC32 BASE 10	0.725	14.50	360.1	AC22 BIN	0.681	13.62	346.5
	BBTM 11	0.286	5.72	145.4	Rellenos	1.180	23.57	421.5
680.000	SUELOCEMENTO	1.565	31.30	822.7	SUELO CEMENTO A	0.870	17.36	489.7
	AC32 BASE 10	0.725	14.50	374.6	AC22 BIN	0.681	13.62	360.2
	BBTM 11	0.286	5.72	151.1	Rellenos	1.185	23.65	445.1
700.000	SUELOCEMENTO	1.565	31.31	854.0	SUELO CEMENTO A	0.876	17.46	507.2
	AC32 BASE 10	0.725	14.50	389.1	AC22 BIN	0.681	13.62	373.8
	BBTM 11	0.286	5.72	156.8	Rellenos	1.193	23.78	468.9
720.000	SUELOCEMENTO	1.565	31.30	885.3	SUELO CEMENTO A	0.904	17.81	525.0
	AC32 BASE 10	0.725	14.50	403.6	AC22 BIN	0.681	13.62	387.4
	BBTM 11	0.286	5.72	162.5	Rellenos	1.282	24.75	493.6
740.000	SUELOCEMENTO	1.565	31.30	916.6	SUELO CEMENTO A	0.904	18.09	543.1
	AC32 BASE 10	0.725	14.50	418.1	AC22 BIN	0.681	13.62	401.0
	BBTM 11	0.286	5.72	168.3	Rellenos	1.282	25.63	519.3
760.000	SUELOCEMENTO	1.496	30.91	947.5	SUELO CEMENTO A	0.904	18.09	561.1
	AC32 BASE 10	0.690	14.30	432.4	AC22 BIN	0.657	13.48	414.5
	BBTM 11	0.275	5.66	173.9	Rellenos	1.247	25.43	544.7
780.000	SUELOCEMENTO	1.363	28.59	976.1	SUELO CEMENTO A	0.904	18.09	579.2
	AC32 BASE 10	0.624	13.14	445.6	AC22 BIN	0.610	12.67	427.2
	BBTM 11	0.256	5.31	179.2	Rellenos	1.180	24.27	569.0



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PROYECTO :

GRUPO : 2 : ENLACE CV35

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 20 : RAMAL CV35(A) - CALZADA DERECHA (CPOL20_a1.vol)

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SECCIÓN 132

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
 * * * CAPAS DE FIRME * * *
 =====

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

800.000	SUELOCEMENTO	1.222	25.87	1001.9	SUELO CEMENTO A	0.904	18.09	597.3
	AC32 BASE 10	0.553	11.78	457.3	AC22 BIN	0.561	11.72	438.9
	BBTM 11	0.234	4.90	184.1	Rellenos	1.110	22.91	591.9
820.000	SUELOCEMENTO	1.147	23.69	1025.6	SUELO CEMENTO A	0.904	18.09	615.4
	AC32 BASE 10	0.516	10.69	468.0	AC22 BIN	0.535	10.96	449.8
	BBTM 11	0.223	4.58	188.7	Rellenos	1.072	21.82	613.7
840.000	SUELOCEMENTO	1.142	22.87	1048.5	SUELO CEMENTO A	0.899	18.05	633.5
	AC32 BASE 10	0.511	10.26	478.3	AC22 BIN	0.531	10.66	460.5
	BBTM 11	0.221	4.45	193.2	Rellenos	1.068	21.40	635.1
860.000	SUELOCEMENTO	1.140	22.82	1071.3	SUELO CEMENTO A	0.838	17.05	650.5
	AC32 BASE 10	0.505	10.16	488.5	AC22 BIN	0.527	10.56	471.1
	BBTM 11	0.220	4.42	197.6	Rellenos	0.946	20.27	655.4
880.000	SUELOCEMENTO	0.987	21.44	1092.8	SUELO CEMENTO A	0.894	17.75	668.3
	AC32 BASE 10	0.468	9.87	498.3	AC22 BIN	0.510	10.46	481.5
	BBTM 11	0.216	4.38	201.9	Rellenos	0.887	19.07	674.5
900.000	SUELOCEMENTO	0.910	18.81	1111.6	SUELO CEMENTO A	0.906	18.04	686.3
	AC32 BASE 10	0.433	8.94	507.3	AC22 BIN	0.486	9.92	491.4
	BBTM 11	0.205	4.19	206.1	Rellenos	0.853	17.33	691.8
920.000	SUELOCEMENTO	0.884	18.07	1129.7	SUELO CEMENTO A	0.910	18.16	704.5
	AC32 BASE 10	0.421	8.61	515.9	AC22 BIN	0.478	9.69	501.1
	BBTM 11	0.202	4.09	210.2	Rellenos	0.839	16.99	708.8
940.000	SUELOCEMENTO	0.827	16.96	1146.6	SUELO CEMENTO A	0.914	18.24	722.7
	AC32 BASE 10	0.393	8.07	524.0	AC22 BIN	0.458	9.31	510.4
	BBTM 11	0.193	3.93	214.2	Rellenos	0.811	16.44	725.2
960.000	SUELOCEMENTO	0.763	15.93	1162.5	SUELO CEMENTO A	0.915	18.29	741.0
	AC32 BASE 10	0.362	7.56	531.5	AC22 BIN	0.436	8.96	519.4
	BBTM 11	0.184	3.78	217.9	Rellenos	0.780	15.92	741.1
980.000	SUELOCEMENTO	0.740	14.95	1177.5	SUELO CEMENTO A	0.915	18.29	759.3
	AC32 BASE 10	0.350	7.08	538.6	AC22 BIN	0.428	8.62	528.0
	BBTM 11	0.181	3.63	221.6	Rellenos	0.768	15.43	756.6
984.962	SUELOCEMENTO	1.055	4.01	1181.5	SUELO CEMENTO A	0.914	4.54	763.8
	AC32 BASE 10	0.475	1.87	540.5	AC22 BIN	0.506	2.21	530.2
	BBTM 11	0.211	0.93	222.5	Rellenos	1.031	4.10	760.7

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 PROYECTO :
 GRUPO : 2 : ENLACE CV35
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 20 : RAMAL CV35(A) - CALZADA DERECHA (CPOL20_a1.vol)

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* * * RESUMEN DE VOLUMENES TOTALES * * *

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MATERIAL	VOLUMEN

SUELOCEMENTO	1181.5
SUELO CEMENTO A	763.8

AC32 BASE 10	540.5
AC22 BIN	530.2
BBTM 11	222.5
Rellenos	760.7

PROYECTO :
 GRUPO : 2 : ENLACE CV35
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 21 : RAMAL CV35 (A) - CALZADA LATERAL DERECHA (CPOL21_a1.vol)

SECCIÓN 232

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 * * * MEDICIONES DE LOS PERFILES TRANSVERSALES * * *
 * * * CAPAS DE FIRME * * *
 =====

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	SUELOCEMENTO	1.781	0.00	0.0	AC32 BASE 10	0.555	0.00	0.0
	AC22 BIN	0.385	0.00	0.0	BBTM 11	0.226	0.00	0.0
	Rellenos	1.692	0.00	0.0				
20.000	SUELOCEMENTO	1.176	26.52	26.5	AC32 BASE 10	0.368	8.28	8.3
	AC22 BIN	0.258	5.77	5.8	BBTM 11	0.152	3.39	3.4
	Rellenos	0.899	22.40	22.4				
40.000	SUELOCEMENTO	1.312	24.88	51.4	AC32 BASE 10	0.416	7.85	16.1
	AC22 BIN	0.292	5.49	11.3	BBTM 11	0.172	3.24	6.6
	Rellenos	0.648	15.49	37.9				
60.000	SUELOCEMENTO	1.459	27.55	78.9	AC32 BASE 10	0.468	8.78	24.9
	AC22 BIN	0.329	6.16	17.4	BBTM 11	0.194	3.64	10.3
	Rellenos	0.322	9.82	47.7				
60.000	SUELOCEMENTO	1.459	0.00	78.9	AC32 BASE 10	0.468	0.00	24.9
	AC22 BIN	0.329	0.00	17.4	BBTM 11	0.194	0.00	10.3
	Rellenos	0.322	0.00	47.7				
80.000	SUELOCEMENTO	1.613	31.01	110.0	AC32 BASE 10	0.540	10.07	35.0
	AC22 BIN	0.380	7.09	24.5	BBTM 11	0.225	4.20	14.5
	Rellenos	0.024	3.15	50.9				
100.000	SUELOCEMENTO	1.488	31.60	141.6	AC32 BASE 10	0.515	10.81	45.8
	AC22 BIN	0.368	7.71	32.2	BBTM 11	0.221	4.60	19.1
	Rellenos	0.000	0.08	50.9				
120.000	SUELOCEMENTO	1.525	30.39	171.9	AC32 BASE 10	0.509	10.33	56.1
	AC22 BIN	0.358	7.31	39.5	BBTM 11	0.212	4.34	23.4
	Rellenos	0.174	1.01	51.9				
140.000	SUELOCEMENTO	1.482	30.09	202.0	AC32 BASE 10	0.494	10.03	66.2
	AC22 BIN	0.347	7.05	46.6	BBTM 11	0.206	4.18	27.6
	Rellenos	0.441	6.20	58.1				
160.000	SUELOCEMENTO	1.430	29.12	231.2	AC32 BASE 10	0.475	9.69	75.8
	AC22 BIN	0.334	6.81	53.4	BBTM 11	0.198	4.03	31.6
	Rellenos	0.517	9.77	67.9				
180.000	SUELOCEMENTO	1.357	27.93	259.1	AC32 BASE 10	0.450	9.27	85.1
	AC22 BIN	0.316	6.51	59.9	BBTM 11	0.187	3.85	35.5
	Rellenos	0.568	10.87	78.8				
200.000	SUELOCEMENTO	1.316	26.64	285.7	AC32 BASE 10	0.435	8.82	93.9
	AC22 BIN	0.305	6.19	66.1	BBTM 11	0.181	3.66	39.1
	Rellenos	0.513	11.14	89.9				



PROYECTO :
 GRUPO : 2 : ENLACE CV35
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 21 : RAMAL CV35 (A) - CALZADA LATERAL DERECHA (CPOL21_a1.vol)

SECCIÓN 232

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
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Table with 10 columns: PERFIL, MATERIAL, AREA PERFIL, VOL. PARCIAL, VOL. ACUMUL., MATERIAL, AREA PERFIL, VOL. PARCIAL, VOL. ACUMUL. Data rows include SUELOCEMENTO, AC22 BIN, Rellenos, AC32 BASE 10, and BBTM 11.

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PROYECTO :
GRUPO : 2 : ENLACE CV35
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 21 : RAMAL CV35 (A) - CALZADA LATERAL DERECHA (CPOL21_a1.vol)
pagina 3

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* * * RESUMEN DE VOLUMENES TOTALES * * *
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Table with 2 columns: MATERIAL, VOLUMEN. Data rows include SUELOCEMENTO, AC32 BASE 10, AC22 BIN, BBTM 11, and Rellenos.

SECCIÓN 3212

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	SUELOCEMENTO	1.669	0.00	0.0	AC22 BIN	0.296	0.00	0.0
	AC16 SURF	0.203	0.00	0.0	C51	0.389	0.00	0.0
20.000	SUELOCEMENTO	2.834	45.23	45.2	AC22 BIN	0.583	8.80	8.8
	AC16 SURF	0.408	6.10	6.1	C51	0.540	7.13	7.1
40.000	SUELOCEMENTO	3.398	65.92	111.2	AC22 BIN	0.716	13.71	22.5
	AC16 SURF	0.502	9.61	15.7	C51	0.400	9.56	16.7
60.000	SUELOCEMENTO	4.178	78.52	189.7	AC22 BIN	0.716	14.32	36.8
	AC16 SURF	0.503	10.05	25.8	C51	0.616	10.36	27.0
71.560	SUELOCEMENTO	3.955	47.01	236.7	AC22 BIN	0.716	8.28	45.1
	AC16 SURF	0.503	5.81	31.6	C51	0.587	6.96	34.0

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* * * RESUMEN DE VOLUMENES TOTALES * * *

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MATERIAL	VOLUMEN
SUELOCEMENTO	236.7
AC22 BIN	45.1
AC16 SURF	31.6
C51	34.0

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PROYECTO :
GRUPO : 8 : REPOSICIÓN PATERNA ED2
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 32 : ACCESO COLEGIO - VIAL (ISPOL32.vol)

SECCIÓN 3212

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	SUELOCEMENTO	2.502	0.00	0.0	AC22 BIN	0.436	0.00	0.0
	AC16 SURF	0.302	0.00	0.0	C51	0.416	0.00	0.0
3.636	SUELOCEMENTO	2.518	9.13	9.1	AC22 BIN	0.436	1.59	1.6
	AC16 SURF	0.302	1.10	1.1	C51	0.650	1.94	1.9
5.000	SUELOCEMENTO	2.518	3.43	12.6	AC22 BIN	0.436	0.59	2.2
	AC16 SURF	0.302	0.41	1.5	C51	0.650	0.89	2.8
10.000	SUELOCEMENTO	2.518	12.59	25.2	AC22 BIN	0.436	2.18	4.4
	AC16 SURF	0.302	1.51	3.0	C51	0.650	3.25	6.1
20.000	SUELOCEMENTO	2.518	25.18	50.3	AC22 BIN	0.436	4.36	8.7
	AC16 SURF	0.302	3.02	6.0	C51	0.650	6.50	12.6
25.000	SUELOCEMENTO	2.518	12.59	62.9	AC22 BIN	0.436	2.18	10.9
	AC16 SURF	0.302	1.51	7.6	C51	0.650	3.25	15.8
30.000	SUELOCEMENTO	2.518	12.59	75.5	AC22 BIN	0.436	2.18	13.1
	AC16 SURF	0.302	1.51	9.1	C51	0.650	3.25	19.1
40.000	SUELOCEMENTO	2.518	25.18	100.7	AC22 BIN	0.436	4.36	17.4
	AC16 SURF	0.302	3.02	12.1	C51	0.650	6.50	25.6
45.000	SUELOCEMENTO	2.518	12.59	113.3	AC22 BIN	0.436	2.18	19.6
	AC16 SURF	0.302	1.51	13.6	C51	0.650	3.25	28.8
50.000	SUELOCEMENTO	2.518	12.59	125.9	AC22 BIN	0.436	2.18	21.8
	AC16 SURF	0.302	1.51	15.1	C51	0.650	3.25	32.1
55.000	SUELOCEMENTO	2.518	12.59	138.5	AC22 BIN	0.436	2.18	24.0
	AC16 SURF	0.302	1.51	16.6	C51	0.650	3.25	35.3
60.000	SUELOCEMENTO	2.518	12.59	151.1	AC22 BIN	0.436	2.18	26.2
	AC16 SURF	0.302	1.51	18.1	C51	0.650	3.25	38.5
65.000	SUELOCEMENTO	2.518	12.59	163.6	AC22 BIN	0.436	2.18	28.3
	AC16 SURF	0.302	1.51	19.7	C51	0.650	3.25	41.8
70.000	SUELOCEMENTO	2.388	12.26	175.9	AC22 BIN	0.436	2.18	30.5
	AC16 SURF	0.302	1.51	21.2	C51	0.344	2.48	44.3
75.000	SUELOCEMENTO	2.518	12.26	188.2	AC22 BIN	0.436	2.18	32.7
	AC16 SURF	0.302	1.51	22.7	C51	0.650	2.48	46.8
80.000	SUELOCEMENTO	2.518	12.59	200.8	AC22 BIN	0.436	2.18	34.9
	AC16 SURF	0.302	1.51	24.2	C51	0.593	3.11	49.9
85.000	SUELOCEMENTO	2.518	12.59	213.4	AC22 BIN	0.436	2.18	37.1
	AC16 SURF	0.302	1.51	25.7	C51	0.488	2.70	52.6
90.000	SUELOCEMENTO	2.518	12.59	225.9	AC22 BIN	0.436	2.18	39.2
	AC16 SURF	0.302	1.51	27.2	C51	0.474	2.41	55.0
95.000	SUELOCEMENTO	2.518	12.59	238.5	AC22 BIN	0.436	2.18	41.4
	AC16 SURF	0.302	1.51	28.7	C51	0.537	2.53	57.5

GRUPO : 8 : REPOSICIÓN PATERNA ED2
C.R. S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 32 : ACCESO COLEGIO - VIAL (ISPOL32.vol)

SECCIÓN 3212

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
=====

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
100.000	SUELOCEMENTO	2.518	12.59	251.1	AC22 BIN	0.436	2.18	43.6
	AC16 SURF	0.302	1.51	30.2	C51	0.485	2.56	60.1
105.000	SUELOCEMENTO	2.518	12.59	263.7	AC22 BIN	0.436	2.18	45.8
	AC16 SURF	0.302	1.51	31.8	C51	0.650	2.84	62.9
110.000	SUELOCEMENTO	2.338	12.14	275.8	AC22 BIN	0.436	2.18	48.0
	AC16 SURF	0.302	1.51	33.3	C51	0.330	2.45	65.4
115.000	SUELOCEMENTO	2.518	12.14	288.0	AC22 BIN	0.436	2.18	50.1
	AC16 SURF	0.302	1.51	34.8	C51	0.506	2.09	67.4
120.000	SUELOCEMENTO	2.518	12.59	300.6	AC22 BIN	0.436	2.18	52.3
	AC16 SURF	0.302	1.51	36.3	C51	0.561	2.67	70.1
125.000	SUELOCEMENTO	2.518	12.59	313.2	AC22 BIN	0.436	2.18	54.5
	AC16 SURF	0.302	1.51	37.8	C51	0.481	2.60	72.7
130.000	SUELOCEMENTO	2.518	12.59	325.8	AC22 BIN	0.436	2.18	56.7
	AC16 SURF	0.302	1.51	39.3	C51	0.530	2.53	75.2
135.000	SUELOCEMENTO	2.300	12.04	337.8	AC22 BIN	0.429	2.16	58.9
	AC16 SURF	0.302	1.51	40.8	C51	0.266	1.99	77.2
140.000	SUELOCEMENTO	2.518	12.04	349.8	AC22 BIN	0.436	2.16	61.0
	AC16 SURF	0.302	1.51	42.3	C51	0.515	1.95	79.2
145.000	SUELOCEMENTO	2.517	12.59	362.4	AC22 BIN	0.436	2.18	63.2
	AC16 SURF	0.302	1.51	43.9	C51	0.416	2.33	81.5
148.859	SUELOCEMENTO	2.508	9.69	372.1	AC22 BIN	0.436	1.68	64.9
	AC16 SURF	0.302	1.17	45.0	C51	0.382	1.54	83.0
150.000	SUELOCEMENTO	2.504	2.86	375.0	AC22 BIN	0.436	0.50	65.4
	AC16 SURF	0.302	0.35	45.4	C51	0.381	0.44	83.5
155.000	SUELOCEMENTO	2.518	12.56	387.5	AC22 BIN	0.436	2.18	67.6
	AC16 SURF	0.302	1.51	46.9	C51	0.406	1.97	85.5
160.000	SUELOCEMENTO	2.518	12.59	400.1	AC22 BIN	0.436	2.18	69.7
	AC16 SURF	0.302	1.51	48.4	C51	0.612	2.55	88.0
165.000	SUELOCEMENTO	2.518	12.59	412.7	AC22 BIN	0.436	2.18	71.9
	AC16 SURF	0.302	1.51	49.9	C51	0.502	2.79	90.8
170.000	SUELOCEMENTO	2.518	12.59	425.3	AC22 BIN	0.436	2.18	74.1
	AC16 SURF	0.302	1.51	51.4	C51	0.597	2.75	93.5
175.000	SUELOCEMENTO	2.518	12.59	437.9	AC22 BIN	0.436	2.18	76.3
	AC16 SURF	0.302	1.51	52.9	C51	0.557	2.88	96.4
180.000	SUELOCEMENTO	2.518	12.59	450.5	AC22 BIN	0.436	2.18	78.5
	AC16 SURF	0.302	1.51	54.4	C51	0.562	2.80	99.2
185.000	SUELOCEMENTO	2.518	12.59	463.1	AC22 BIN	0.436	2.18	80.6
	AC16 SURF	0.302	1.51	56.0	C51	0.600	2.90	102.1

EJE : 32 : ACCESO COLEGIO - VIAL (ISPOL32.vol)

SECCIÓN 3212

=====
* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
=====

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
186.657	SUELOCEMENTO	2.518	4.17	467.3	AC22 BIN	0.436	0.72	81.4
	AC16 SURF	0.302	0.50	56.5	C51	0.601	1.00	103.1
190.000	SUELOCEMENTO	2.500	8.39	475.6	AC22 BIN	0.433	1.45	82.8
	AC16 SURF	0.300	1.01	57.5	C51	0.600	2.01	105.1
195.000	SUELOCEMENTO	2.473	12.43	488.1	AC22 BIN	0.428	2.15	85.0
	AC16 SURF	0.297	1.49	59.0	C51	0.599	3.00	108.1
200.000	SUELOCEMENTO	2.446	12.30	500.4	AC22 BIN	0.424	2.13	87.1
	AC16 SURF	0.294	1.48	60.4	C51	0.598	2.99	111.1
205.000	SUELOCEMENTO	2.419	12.16	512.5	AC22 BIN	0.419	2.11	89.2
	AC16 SURF	0.290	1.46	61.9	C51	0.585	2.96	114.1
210.000	SUELOCEMENTO	2.392	12.03	524.6	AC22 BIN	0.415	2.08	91.3
	AC16 SURF	0.287	1.44	63.3	C51	0.467	2.63	116.7
215.000	SUELOCEMENTO	2.365	11.89	536.5	AC22 BIN	0.410	2.06	93.3
	AC16 SURF	0.284	1.43	64.8	C51	0.376	2.11	118.8
220.000	SUELOCEMENTO	2.329	11.73	548.2	AC22 BIN	0.405	2.04	95.4
	AC16 SURF	0.281	1.41	66.2	C51	0.262	1.59	120.4
224.792	SUELOCEMENTO	2.318	11.13	559.3	AC22 BIN	0.401	1.93	97.3
	AC16 SURF	0.277	1.34	67.5	C51	0.540	1.92	122.3

Istram 23.01.01.13 29/05/23 11:04:32 200207
PROYECTO :
GRUPO : 8 : REPOSICIÓN PATERNA ED2
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 32 : ACCESO COLEGIO - VIAL (ISPOL32.vol)

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* * * RESUMEN DE VOLUMENES TOTALES * * *
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MATERIAL	VOLUMEN
SUELOCEMENTO	559.3
AC22 BIN	97.3
AC16 SURF	67.5
C51	122.3

SECCIÓN 3212

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
=====

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	SUELOCEMENTO	2.518	0.00	0.0	AC22 BIN	0.436	0.00	0.0
	AC16 SURF	0.302	0.00	0.0	C51	0.650	0.00	0.0
5.000	SUELOCEMENTO	2.511	12.57	12.6	AC22 BIN	0.436	2.18	2.2
	AC16 SURF	0.302	1.51	1.5	C51	0.439	2.72	2.7
9.302	SUELOCEMENTO	2.518	10.82	23.4	AC22 BIN	0.436	1.88	4.1
	AC16 SURF	0.302	1.30	2.8	C51	0.650	2.34	5.1
10.000	SUELOCEMENTO	2.518	1.76	25.1	AC22 BIN	0.436	0.30	4.4
	AC16 SURF	0.302	0.21	3.0	C51	0.650	0.45	5.5
15.000	SUELOCEMENTO	2.518	12.59	37.7	AC22 BIN	0.436	2.18	6.5
	AC16 SURF	0.302	1.51	4.5	C51	0.650	3.25	8.8
20.000	SUELOCEMENTO	2.515	12.58	50.3	AC22 BIN	0.436	2.18	8.7
	AC16 SURF	0.302	1.51	6.0	C51	0.456	2.76	11.5
25.000	SUELOCEMENTO	2.518	12.58	62.9	AC22 BIN	0.436	2.18	10.9
	AC16 SURF	0.302	1.51	7.6	C51	0.650	2.76	14.3
30.000	SUELOCEMENTO	2.518	12.59	75.5	AC22 BIN	0.436	2.18	13.1
	AC16 SURF	0.302	1.51	9.1	C51	0.650	3.25	17.5
35.000	SUELOCEMENTO	2.518	12.59	88.1	AC22 BIN	0.436	2.18	15.3
	AC16 SURF	0.302	1.51	10.6	C51	0.650	3.25	20.8
40.000	SUELOCEMENTO	2.518	12.59	100.7	AC22 BIN	0.436	2.18	17.4
	AC16 SURF	0.302	1.51	12.1	C51	0.650	3.25	24.0
45.000	SUELOCEMENTO	2.518	12.59	113.3	AC22 BIN	0.436	2.18	19.6
	AC16 SURF	0.302	1.51	13.6	C51	0.650	3.25	27.3
50.000	SUELOCEMENTO	2.509	12.57	125.8	AC22 BIN	0.436	2.18	21.8
	AC16 SURF	0.302	1.51	15.1	C51	0.277	2.32	29.6
55.000	SUELOCEMENTO	2.518	12.57	138.4	AC22 BIN	0.436	2.18	24.0
	AC16 SURF	0.302	1.51	16.6	C51	0.569	2.12	31.7
60.000	SUELOCEMENTO	2.518	12.59	151.0	AC22 BIN	0.436	2.18	26.2
	AC16 SURF	0.302	1.51	18.1	C51	0.601	2.93	34.6
65.000	SUELOCEMENTO	2.518	12.59	163.6	AC22 BIN	0.436	2.18	28.3
	AC16 SURF	0.302	1.51	19.7	C51	0.601	3.01	37.6
67.459	SUELOCEMENTO	2.518	6.19	169.8	AC22 BIN	0.436	1.07	29.4
	AC16 SURF	0.302	0.74	20.4	C51	0.601	1.48	39.1
68.000	SUELOCEMENTO	2.514	1.36	171.1	AC22 BIN	0.435	0.24	29.7
	AC16 SURF	0.302	0.16	20.6	C51	0.601	0.33	39.5
70.000	SUELOCEMENTO	2.500	5.01	176.1	AC22 BIN	0.433	0.87	30.5
	AC16 SURF	0.300	0.60	21.2	C51	0.600	1.20	40.7
72.000	SUELOCEMENTO	2.486	4.99	181.1	AC22 BIN	0.431	0.86	31.4
	AC16 SURF	0.299	0.60	21.8	C51	0.600	1.20	41.9

GRUPO : 8 : REPOSICIÓN PATERNA ED2
C.R. S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 33 : ACCESO COLEGIO - LA CANYADA (I SPOL33.vol)

SECCIÓN 3212

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
=====

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
74.000	SUELOCEMENTO	2.472	4.96	186.1	AC22 BIN	0.428	0.86	32.2
	AC16 SURF	0.297	0.60	22.4	C51	0.599	1.20	43.1
76.000	SUELOCEMENTO	2.459	4.93	191.0	AC22 BIN	0.426	0.85	33.1
	AC16 SURF	0.295	0.59	23.0	C51	0.598	1.20	44.2
78.000	SUELOCEMENTO	2.444	4.90	195.9	AC22 BIN	0.424	0.85	33.9
	AC16 SURF	0.294	0.59	23.5	C51	0.598	1.20	45.4
80.000	SUELOCEMENTO	2.431	4.87	200.8	AC22 BIN	0.421	0.84	34.8
	AC16 SURF	0.292	0.59	24.1	C51	0.597	1.19	46.6
82.000	SUELOCEMENTO	2.470	4.90	205.7	AC22 BIN	0.419	0.84	35.6
	AC16 SURF	0.290	0.58	24.7	C51	0.616	1.21	47.9
84.000	SUELOCEMENTO	2.494	4.96	210.7	AC22 BIN	0.417	0.84	36.5
	AC16 SURF	0.288	0.58	25.3	C51	0.630	1.25	49.1
86.000	SUELOCEMENTO	2.503	5.00	215.7	AC22 BIN	0.414	0.83	37.3
	AC16 SURF	0.287	0.58	25.9	C51	0.640	1.27	50.4
88.000	SUELOCEMENTO	2.499	5.00	220.7	AC22 BIN	0.412	0.83	38.1
	AC16 SURF	0.285	0.57	26.4	C51	0.646	1.29	51.7
90.000	SUELOCEMENTO	2.480	4.98	225.6	AC22 BIN	0.409	0.82	38.9
	AC16 SURF	0.283	0.57	27.0	C51	0.642	1.29	52.9
92.000	SUELOCEMENTO	2.448	4.93	230.6	AC22 BIN	0.407	0.82	39.8
	AC16 SURF	0.282	0.56	27.6	C51	0.632	1.27	54.2
94.000	SUELOCEMENTO	2.403	4.85	235.4	AC22 BIN	0.405	0.81	40.6
	AC16 SURF	0.280	0.56	28.1	C51	0.619	1.25	55.5
96.000	SUELOCEMENTO	2.346	4.75	240.2	AC22 BIN	0.402	0.81	41.4
	AC16 SURF	0.278	0.56	28.7	C51	0.601	1.22	56.7
96.982	SUELOCEMENTO	2.318	2.29	242.5	AC22 BIN	0.401	0.39	41.8
	AC16 SURF	0.277	0.27	29.0	C51	0.594	0.59	57.3

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PROYECTO :
GRUPO : 8 : REPOSICIÓN PATERNA ED2
C.R. S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 33 : ACCESO COLEGIO - LA CANYADA (I SPOL33.vol)

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* * * RESUMEN DE VOLUMENES TOTALES * * *
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MATERIAL	VOLUMEN
SUELOCEMENTO	242.5
AC22 BIN	41.8

AC16 SURF
C51

29.0
57.3

SECCIÓN 3132

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	ZAHORRA ART.	1.000	0.00	0.0	AC16 SURF	0.250	0.00	0.0
	AC16 SURF	0.054	0.00	0.0	C51	0.172	0.00	0.0
5.000	ZAHORRA ART.	1.000	5.00	5.0	AC16 SURF	0.250	1.25	1.3
	AC16 SURF	0.054	0.27	0.3	C51	0.172	0.86	0.9
10.000	ZAHORRA ART.	1.000	5.00	10.0	AC16 SURF	0.250	1.25	2.5
	AC16 SURF	0.054	0.27	0.5	C51	0.026	0.50	1.4
15.000	ZAHORRA ART.	1.000	5.00	15.0	AC16 SURF	0.250	1.25	3.8
	AC16 SURF	0.054	0.27	0.8	C51	0.046	0.18	1.5
20.000	ZAHORRA ART.	1.000	5.00	20.0	AC16 SURF	0.250	1.25	5.0
	AC16 SURF	0.054	0.27	1.1	C51	0.172	0.54	2.1
25.000	ZAHORRA ART.	1.000	5.00	25.0	AC16 SURF	0.250	1.25	6.3
	AC16 SURF	0.054	0.27	1.4	C51	0.172	0.86	2.9
30.000	ZAHORRA ART.	1.000	5.00	30.0	AC16 SURF	0.250	1.25	7.5
	AC16 SURF	0.054	0.27	1.6	C51	0.094	0.66	3.6
34.422	ZAHORRA ART.	1.000	4.42	34.4	AC16 SURF	0.250	1.11	8.6
	AC16 SURF	0.054	0.24	1.9	C51	0.119	0.47	4.1
34.600	ZAHORRA ART.	1.000	0.18	34.6	AC16 SURF	0.250	0.04	8.7
	AC16 SURF	0.054	0.01	1.9	C51	0.119	0.02	4.1
34.800	ZAHORRA ART.	1.000	0.20	34.8	AC16 SURF	0.250	0.05	8.7
	AC16 SURF	0.054	0.01	1.9	C51	0.119	0.02	4.1
35.000	ZAHORRA ART.	1.000	0.20	35.0	AC16 SURF	0.250	0.05	8.8
	AC16 SURF	0.054	0.01	1.9	C51	0.119	0.02	4.1
35.000	ZAHORRA ART.	1.000	0.00	35.0	AC16 SURF	0.250	0.00	8.8
	AC16 SURF	0.109	0.00	1.9	C51	0.237	0.00	4.1
35.200	ZAHORRA ART.	1.000	0.20	35.2	AC16 SURF	0.250	0.05	8.8
	AC16 SURF	0.108	0.02	1.9	C51	0.237	0.05	4.2
35.400	ZAHORRA ART.	1.000	0.20	35.4	AC16 SURF	0.250	0.05	8.9
	AC16 SURF	0.109	0.02	1.9	C51	0.238	0.05	4.2
35.600	ZAHORRA ART.	1.000	0.20	35.6	AC16 SURF	0.250	0.05	8.9
	AC16 SURF	0.109	0.02	2.0	C51	0.238	0.05	4.3
35.800	ZAHORRA ART.	1.000	0.20	35.8	AC16 SURF	0.250	0.05	9.0
	AC16 SURF	0.108	0.02	2.0	C51	0.238	0.05	4.3
36.000	ZAHORRA ART.	1.000	0.20	36.0	AC16 SURF	0.250	0.05	9.0
	AC16 SURF	0.109	0.02	2.0	C51	0.238	0.05	4.4
36.200	ZAHORRA ART.	1.000	0.20	36.2	AC16 SURF	0.250	0.05	9.1
	AC16 SURF	0.108	0.02	2.0	C51	0.238	0.05	4.4
36.400	ZAHORRA ART.	1.000	0.20	36.4	AC16 SURF	0.250	0.05	9.1
	AC16 SURF	0.108	0.02	2.1	C51	0.238	0.05	4.5

GRUPO : 3 : CAMINOS
C.R. S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 46 : CARRIL BICI (ISPOL46.vol)

SECCIÓN 3132

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
36.600	ZAHORRA ART.	1.000	0.20	36.6	AC16 SURF	0.250	0.05	9.2
	AC16 SURF	0.109	0.02	2.1	C51	0.238	0.05	4.5
36.800	ZAHORRA ART.	1.000	0.20	36.8	AC16 SURF	0.250	0.05	9.2
	AC16 SURF	0.108	0.02	2.1	C51	0.238	0.05	4.6
37.000	ZAHORRA ART.	1.000	0.20	37.0	AC16 SURF	0.250	0.05	9.3
	AC16 SURF	0.109	0.02	2.1	C51	0.238	0.05	4.6
37.200	ZAHORRA ART.	1.000	0.20	37.2	AC16 SURF	0.250	0.05	9.3
	AC16 SURF	0.108	0.02	2.1	C51	0.238	0.05	4.7
37.400	ZAHORRA ART.	1.000	0.20	37.4	AC16 SURF	0.250	0.05	9.4
	AC16 SURF	0.108	0.02	2.2	C51	0.238	0.05	4.7
37.600	ZAHORRA ART.	1.000	0.20	37.6	AC16 SURF	0.250	0.05	9.4
	AC16 SURF	0.109	0.02	2.2	C51	0.238	0.05	4.8
37.800	ZAHORRA ART.	1.000	0.20	37.8	AC16 SURF	0.250	0.05	9.5
	AC16 SURF	0.108	0.02	2.2	C51	0.238	0.05	4.8
38.000	ZAHORRA ART.	1.000	0.20	38.0	AC16 SURF	0.250	0.05	9.5
	AC16 SURF	0.109	0.02	2.2	C51	0.238	0.05	4.9
38.200	ZAHORRA ART.	1.000	0.20	38.2	AC16 SURF	0.250	0.05	9.6
	AC16 SURF	0.108	0.02	2.2	C51	0.238	0.05	4.9
38.400	ZAHORRA ART.	1.000	0.20	38.4	AC16 SURF	0.250	0.05	9.6
	AC16 SURF	0.108	0.02	2.3	C51	0.238	0.05	4.9
38.600	ZAHORRA ART.	1.000	0.20	38.6	AC16 SURF	0.250	0.05	9.7
	AC16 SURF	0.109	0.02	2.3	C51	0.238	0.05	5.0
38.800	ZAHORRA ART.	1.000	0.20	38.8	AC16 SURF	0.250	0.05	9.7
	AC16 SURF	0.108	0.02	2.3	C51	0.238	0.05	5.0
39.000	ZAHORRA ART.	1.000	0.20	39.0	AC16 SURF	0.250	0.05	9.8
	AC16 SURF	0.109	0.02	2.3	C51	0.238	0.05	5.1
39.200	ZAHORRA ART.	1.000	0.20	39.2	AC16 SURF	0.250	0.05	9.8
	AC16 SURF	0.108	0.02	2.4	C51	0.238	0.05	5.1
39.400	ZAHORRA ART.	1.000	0.20	39.4	AC16 SURF	0.250	0.05	9.9
	AC16 SURF	0.108	0.02	2.4	C51	0.238	0.05	5.2
39.600	ZAHORRA ART.	1.000	0.20	39.6	AC16 SURF	0.250	0.05	9.9
	AC16 SURF	0.109	0.02	2.4	C51	0.238	0.05	5.2
39.800	ZAHORRA ART.	1.000	0.20	39.8	AC16 SURF	0.250	0.05	10.0
	AC16 SURF	0.108	0.02	2.4	C51	0.238	0.05	5.3
40.000	ZAHORRA ART.	1.000	0.20	40.0	AC16 SURF	0.250	0.05	10.0
	AC16 SURF	0.108	0.02	2.4	C51	0.238	0.05	5.3
40.200	ZAHORRA ART.	1.000	0.20	40.2	AC16 SURF	0.250	0.05	10.1
	AC16 SURF	0.109	0.02	2.5	C51	0.238	0.05	5.4

EJE : 46 : CARRIL BICI (ISPOL46.vol)

SECCIÓN 3132

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
40.400	ZAHORRA ART.	1.000	0.20	40.4	AC16 SURF	0.250	0.05	10.1
	AC16 SURF	0.108	0.02	2.5	C51	0.238	0.05	5.4
40.600	ZAHORRA ART.	1.000	0.20	40.6	AC16 SURF	0.250	0.05	10.2
	AC16 SURF	0.109	0.02	2.5	C51	0.238	0.05	5.5
40.800	ZAHORRA ART.	1.000	0.20	40.8	AC16 SURF	0.250	0.05	10.2
	AC16 SURF	0.108	0.02	2.5	C51	0.238	0.05	5.5
41.000	ZAHORRA ART.	1.000	0.20	41.0	AC16 SURF	0.250	0.05	10.3
	AC16 SURF	0.108	0.02	2.5	C51	0.238	0.05	5.6
41.200	ZAHORRA ART.	1.000	0.20	41.2	AC16 SURF	0.250	0.05	10.3
	AC16 SURF	0.109	0.02	2.6	C51	0.238	0.05	5.6
41.400	ZAHORRA ART.	1.000	0.20	41.4	AC16 SURF	0.250	0.05	10.4
	AC16 SURF	0.108	0.02	2.6	C51	0.238	0.05	5.7
41.600	ZAHORRA ART.	1.000	0.20	41.6	AC16 SURF	0.250	0.05	10.4
	AC16 SURF	0.109	0.02	2.6	C51	0.238	0.05	5.7
41.800	ZAHORRA ART.	1.000	0.20	41.8	AC16 SURF	0.250	0.05	10.5
	AC16 SURF	0.108	0.02	2.6	C51	0.238	0.05	5.8
42.000	ZAHORRA ART.	1.000	0.20	42.0	AC16 SURF	0.250	0.05	10.5
	AC16 SURF	0.108	0.02	2.7	C51	0.238	0.05	5.8
42.200	ZAHORRA ART.	1.000	0.20	42.2	AC16 SURF	0.250	0.05	10.6
	AC16 SURF	0.109	0.02	2.7	C51	0.238	0.05	5.9
42.400	ZAHORRA ART.	1.000	0.20	42.4	AC16 SURF	0.250	0.05	10.6
	AC16 SURF	0.108	0.02	2.7	C51	0.238	0.05	5.9
42.600	ZAHORRA ART.	1.000	0.20	42.6	AC16 SURF	0.250	0.05	10.7
	AC16 SURF	0.109	0.02	2.7	C51	0.237	0.05	5.9
42.800	ZAHORRA ART.	1.000	0.20	42.8	AC16 SURF	0.250	0.05	10.7
	AC16 SURF	0.108	0.02	2.7	C51	0.237	0.05	6.0
43.000	ZAHORRA ART.	1.000	0.20	43.0	AC16 SURF	0.250	0.05	10.8
	AC16 SURF	0.108	0.02	2.8	C51	0.238	0.05	6.0
43.200	ZAHORRA ART.	1.000	0.20	43.2	AC16 SURF	0.250	0.05	10.8
	AC16 SURF	0.109	0.02	2.8	C51	0.238	0.05	6.1
43.400	ZAHORRA ART.	1.000	0.20	43.4	AC16 SURF	0.250	0.05	10.9
	AC16 SURF	0.109	0.02	2.8	C51	0.238	0.05	6.1
43.600	ZAHORRA ART.	1.000	0.20	43.6	AC16 SURF	0.250	0.05	10.9
	AC16 SURF	0.109	0.02	2.8	C51	0.238	0.05	6.2
43.800	ZAHORRA ART.	1.000	0.20	43.8	AC16 SURF	0.250	0.05	11.0
	AC16 SURF	0.108	0.02	2.9	C51	0.238	0.05	6.2
44.000	ZAHORRA ART.	1.000	0.20	44.0	AC16 SURF	0.250	0.05	11.0
	AC16 SURF	0.108	0.02	2.9	C51	0.238	0.05	6.3

Istram 23.01.01.13 29/05/23 14:36:37 200207
PROYECTO :
GRUPO : 3 : CAMINOS
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 46 : CARRIL BICI (ISPOL46.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
=====

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
44.200	ZAHORRA ART.	1.000	0.20	44.2	AC16 SURF	0.250	0.05	11.1
	AC16 SURF	0.109	0.02	2.9	C51	0.238	0.05	6.3
44.400	ZAHORRA ART.	1.000	0.20	44.4	AC16 SURF	0.250	0.05	11.1
	AC16 SURF	0.108	0.02	2.9	C51	0.238	0.05	6.4
44.600	ZAHORRA ART.	1.000	0.20	44.6	AC16 SURF	0.250	0.05	11.2
	AC16 SURF	0.109	0.02	2.9	C51	0.238	0.05	6.4
44.800	ZAHORRA ART.	1.000	0.20	44.8	AC16 SURF	0.250	0.05	11.2
	AC16 SURF	0.108	0.02	3.0	C51	0.238	0.05	6.5
45.000	ZAHORRA ART.	1.000	0.20	45.0	AC16 SURF	0.250	0.05	11.3
	AC16 SURF	0.108	0.02	3.0	C51	0.238	0.05	6.5
45.200	ZAHORRA ART.	1.000	0.20	45.2	AC16 SURF	0.250	0.05	11.3
	AC16 SURF	0.109	0.02	3.0	C51	0.238	0.05	6.6
45.400	ZAHORRA ART.	1.000	0.20	45.4	AC16 SURF	0.250	0.05	11.4
	AC16 SURF	0.108	0.02	3.0	C51	0.238	0.05	6.6
45.600	ZAHORRA ART.	1.000	0.20	45.6	AC16 SURF	0.250	0.05	11.4
	AC16 SURF	0.108	0.02	3.0	C51	0.238	0.05	6.7
45.800	ZAHORRA ART.	1.000	0.20	45.8	AC16 SURF	0.250	0.05	11.5
	AC16 SURF	0.109	0.02	3.1	C51	0.238	0.05	6.7
46.000	ZAHORRA ART.	1.000	0.20	46.0	AC16 SURF	0.250	0.05	11.5
	AC16 SURF	0.108	0.02	3.1	C51	0.238	0.05	6.8
46.200	ZAHORRA ART.	1.000	0.20	46.2	AC16 SURF	0.250	0.05	11.6
	AC16 SURF	0.109	0.02	3.1	C51	0.238	0.05	6.8
46.400	ZAHORRA ART.	1.000	0.20	46.4	AC16 SURF	0.250	0.05	11.6
	AC16 SURF	0.108	0.02	3.1	C51	0.238	0.05	6.9
46.600	ZAHORRA ART.	1.000	0.20	46.6	AC16 SURF	0.250	0.05	11.7
	AC16 SURF	0.108	0.02	3.2	C51	0.238	0.05	6.9
46.675	ZAHORRA ART.	1.000	0.08	46.7	AC16 SURF	0.250	0.02	11.7
	AC16 SURF	0.109	0.01	3.2	C51	0.238	0.02	6.9
46.800	ZAHORRA ART.	1.000	0.13	46.8	AC16 SURF	0.250	0.03	11.7
	AC16 SURF	0.109	0.01	3.2	C51	0.238	0.03	6.9
47.000	ZAHORRA ART.	1.000	0.20	47.0	AC16 SURF	0.250	0.05	11.8
	AC16 SURF	0.108	0.02	3.2	C51	0.238	0.05	7.0
47.200	ZAHORRA ART.	1.000	0.20	47.2	AC16 SURF	0.250	0.05	11.8
	AC16 SURF	0.109	0.02	3.2	C51	0.238	0.05	7.0
47.400	ZAHORRA ART.	1.000	0.20	47.4	AC16 SURF	0.250	0.05	11.9
	AC16 SURF	0.108	0.02	3.2	C51	0.238	0.05	7.1
47.600	ZAHORRA ART.	1.000	0.20	47.6	AC16 SURF	0.250	0.05	11.9
	AC16 SURF	0.108	0.02	3.3	C51	0.238	0.05	7.1

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PROYECTO :
GRUPO : 3 : CAMINOS
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 46 : CARRIL BICI (ISPOL46.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

=====

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
47.800	ZAHORRA ART.	1.000	0.20	47.8	AC16 SURF	0.250	0.05	12.0
	AC16 SURF	0.109	0.02	3.3	C51	0.211	0.04	7.2
48.000	ZAHORRA ART.	1.000	0.20	48.0	AC16 SURF	0.250	0.05	12.0
	AC16 SURF	0.109	0.02	3.3	C51	0.211	0.04	7.2
48.200	ZAHORRA ART.	1.000	0.20	48.2	AC16 SURF	0.250	0.05	12.1
	AC16 SURF	0.109	0.02	3.3	C51	0.212	0.04	7.3
48.400	ZAHORRA ART.	1.000	0.20	48.4	AC16 SURF	0.250	0.05	12.1
	AC16 SURF	0.108	0.02	3.4	C51	0.119	0.03	7.3
48.600	ZAHORRA ART.	1.000	0.20	48.6	AC16 SURF	0.250	0.05	12.2
	AC16 SURF	0.108	0.02	3.4	C51	0.169	0.03	7.3
48.800	ZAHORRA ART.	1.000	0.20	48.8	AC16 SURF	0.250	0.05	12.2
	AC16 SURF	0.109	0.02	3.4	C51	0.215	0.04	7.4
49.000	ZAHORRA ART.	1.000	0.20	49.0	AC16 SURF	0.250	0.05	12.3
	AC16 SURF	0.108	0.02	3.4	C51	0.256	0.05	7.4
49.200	ZAHORRA ART.	1.000	0.20	49.2	AC16 SURF	0.250	0.05	12.3
	AC16 SURF	0.109	0.02	3.4	C51	0.268	0.05	7.5
49.400	ZAHORRA ART.	1.000	0.20	49.4	AC16 SURF	0.250	0.05	12.4
	AC16 SURF	0.109	0.02	3.5	C51	0.268	0.05	7.5
49.600	ZAHORRA ART.	1.000	0.20	49.6	AC16 SURF	0.250	0.05	12.4
	AC16 SURF	0.108	0.02	3.5	C51	0.268	0.05	7.6
49.800	ZAHORRA ART.	1.000	0.20	49.8	AC16 SURF	0.250	0.05	12.5
	AC16 SURF	0.109	0.02	3.5	C51	0.268	0.05	7.6
50.000	ZAHORRA ART.	1.000	0.20	50.0	AC16 SURF	0.250	0.05	12.5
	AC16 SURF	0.108	0.02	3.5	C51	0.267	0.05	7.7
50.200	ZAHORRA ART.	1.000	0.20	50.2	AC16 SURF	0.250	0.05	12.6
	AC16 SURF	0.108	0.02	3.5	C51	0.267	0.05	7.7
50.400	ZAHORRA ART.	1.000	0.20	50.4	AC16 SURF	0.250	0.05	12.6
	AC16 SURF	0.109	0.02	3.6	C51	0.267	0.05	7.8
50.600	ZAHORRA ART.	1.000	0.20	50.6	AC16 SURF	0.250	0.05	12.7
	AC16 SURF	0.108	0.02	3.6	C51	0.267	0.05	7.8
50.800	ZAHORRA ART.	1.000	0.20	50.8	AC16 SURF	0.250	0.05	12.7
	AC16 SURF	0.109	0.02	3.6	C51	0.267	0.05	7.9
51.000	ZAHORRA ART.	1.000	0.20	51.0	AC16 SURF	0.250	0.05	12.8
	AC16 SURF	0.109	0.02	3.6	C51	0.267	0.05	7.9
51.200	ZAHORRA ART.	1.000	0.20	51.2	AC16 SURF	0.250	0.05	12.8
	AC16 SURF	0.108	0.02	3.7	C51	0.267	0.05	8.0
51.400	ZAHORRA ART.	1.000	0.20	51.4	AC16 SURF	0.250	0.05	12.9
	AC16 SURF	0.109	0.02	3.7	C51	0.267	0.05	8.1



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PROYECTO :

GRUPO : 3 : CAMINOS

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 46 : CARRIL BICI (ISPOL46.vol)

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SECCIÓN 3132

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

CAPAS DE FIRME

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
51.600	ZAHORRA ART.	1.000	0.20	51.6	AC16 SURF	0.250	0.05	12.9
	AC16 SURF	0.108	0.02	3.7	C51	0.268	0.05	8.1
51.800	ZAHORRA ART.	1.000	0.20	51.8	AC16 SURF	0.250	0.05	13.0
	AC16 SURF	0.109	0.02	3.7	C51	0.268	0.05	8.2
52.000	ZAHORRA ART.	1.000	0.20	52.0	AC16 SURF	0.250	0.05	13.0
	AC16 SURF	0.108	0.02	3.7	C51	0.268	0.05	8.2
52.200	ZAHORRA ART.	1.000	0.20	52.2	AC16 SURF	0.250	0.05	13.1
	AC16 SURF	0.108	0.02	3.8	C51	0.269	0.05	8.3
52.400	ZAHORRA ART.	1.000	0.20	52.4	AC16 SURF	0.250	0.05	13.1
	AC16 SURF	0.109	0.02	3.8	C51	0.269	0.05	8.3
52.600	ZAHORRA ART.	1.000	0.20	52.6	AC16 SURF	0.250	0.05	13.2
	AC16 SURF	0.109	0.02	3.8	C51	0.269	0.05	8.4
52.800	ZAHORRA ART.	1.000	0.20	52.8	AC16 SURF	0.250	0.05	13.2
	AC16 SURF	0.109	0.02	3.8	C51	0.270	0.05	8.4
53.000	ZAHORRA ART.	1.000	0.20	53.0	AC16 SURF	0.250	0.05	13.3
	AC16 SURF	0.108	0.02	3.9	C51	0.270	0.05	8.5
53.200	ZAHORRA ART.	1.000	0.20	53.2	AC16 SURF	0.250	0.05	13.3
	AC16 SURF	0.108	0.02	3.9	C51	0.271	0.05	8.5
53.400	ZAHORRA ART.	1.000	0.20	53.4	AC16 SURF	0.250	0.05	13.4
	AC16 SURF	0.109	0.02	3.9	C51	0.271	0.05	8.6
53.600	ZAHORRA ART.	1.000	0.20	53.6	AC16 SURF	0.250	0.05	13.4
	AC16 SURF	0.108	0.02	3.9	C51	0.272	0.05	8.6
53.800	ZAHORRA ART.	1.000	0.20	53.8	AC16 SURF	0.250	0.05	13.5
	AC16 SURF	0.109	0.02	3.9	C51	0.273	0.05	8.7
54.000	ZAHORRA ART.	1.000	0.20	54.0	AC16 SURF	0.250	0.05	13.5
	AC16 SURF	0.108	0.02	4.0	C51	0.274	0.05	8.8
54.200	ZAHORRA ART.	1.000	0.20	54.2	AC16 SURF	0.250	0.05	13.6
	AC16 SURF	0.108	0.02	4.0	C51	0.275	0.05	8.8
54.400	ZAHORRA ART.	1.000	0.20	54.4	AC16 SURF	0.250	0.05	13.6
	AC16 SURF	0.109	0.02	4.0	C51	0.276	0.06	8.9
54.600	ZAHORRA ART.	1.000	0.20	54.6	AC16 SURF	0.250	0.05	13.7
	AC16 SURF	0.108	0.02	4.0	C51	0.276	0.06	8.9
54.800	ZAHORRA ART.	1.000	0.20	54.8	AC16 SURF	0.250	0.05	13.7
	AC16 SURF	0.109	0.02	4.0	C51	0.276	0.06	9.0
55.000	ZAHORRA ART.	1.000	0.20	55.0	AC16 SURF	0.250	0.05	13.8
	AC16 SURF	0.109	0.02	4.1	C51	0.275	0.06	9.0
55.112	ZAHORRA ART.	1.000	0.11	55.1	AC16 SURF	0.250	0.03	13.8
	AC16 SURF	0.108	0.01	4.1	C51	0.275	0.03	9.1

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PROYECTO :

GRUPO : 3 : CAMINOS

C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)

EJE : 46 : CARRIL BICI (ISPOL46.vol)

SECCIÓN 3132

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*** MEDICIONES DE LOS PERFILES TRANSVERSALES***

*** CAPAS DE FIRME***

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
60.000	ZAHORRA ART.	1.000	4.89	60.0	AC16 SURF	0.250	1.22	15.0
	AC16 SURF	0.109	0.53	4.6	C51	0.259	1.31	10.4
60.000	ZAHORRA ART.	0.250	0.00	60.0	AC16 SURF	0.026	0.00	4.6
	C51	0.011	0.00	10.4				
65.000	ZAHORRA ART.	0.250	1.25	61.2	AC16 SURF	0.026	0.13	4.7
	C51	0.011	0.05	10.4				
70.000	ZAHORRA ART.	0.250	1.25	62.5	AC16 SURF	0.026	0.13	4.9
	C51	0.011	0.05	10.5				
75.000	ZAHORRA ART.	0.250	1.25	63.7	AC16 SURF	0.026	0.13	5.0
	C51	0.011	0.05	10.5				
80.000	ZAHORRA ART.	0.250	1.25	65.0	AC16 SURF	0.026	0.13	5.1
	C51	0.011	0.05	10.6				
85.000	ZAHORRA ART.	0.250	1.25	66.2	AC16 SURF	0.026	0.13	5.3
	C51	0.011	0.05	10.6				
90.000	ZAHORRA ART.	0.250	1.25	67.5	AC16 SURF	0.026	0.13	5.4
	C51	0.011	0.05	10.7				
95.000	ZAHORRA ART.	0.250	1.25	68.7	AC16 SURF	0.026	0.13	5.5
	C51	0.011	0.05	10.8				
100.000	ZAHORRA ART.	0.250	1.25	70.0	AC16 SURF	0.026	0.13	5.7
	C51	0.011	0.05	10.8				
105.000	ZAHORRA ART.	0.250	1.25	71.2	AC16 SURF	0.026	0.13	5.8
	C51	0.011	0.05	10.9				
110.000	ZAHORRA ART.	0.250	1.25	72.5	AC16 SURF	0.026	0.13	5.9
	C51	0.011	0.05	10.9				
115.000	ZAHORRA ART.	0.250	1.25	73.7	AC16 SURF	0.026	0.13	6.1
	C51	0.011	0.05	11.0				
120.000	ZAHORRA ART.	0.250	1.25	75.0	AC16 SURF	0.026	0.13	6.2
	C51	0.011	0.05	11.0				
125.000	ZAHORRA ART.	0.250	1.25	76.2	AC16 SURF	0.026	0.13	6.3
	C51	0.011	0.05	11.1				
130.000	ZAHORRA ART.	0.250	1.25	77.5	AC16 SURF	0.026	0.13	6.5
	C51	0.011	0.05	11.1				
135.000	ZAHORRA ART.	0.250	1.25	78.7	AC16 SURF	0.026	0.13	6.6
	C51	0.011	0.05	11.2				
140.000	ZAHORRA ART.	0.250	1.25	80.0	AC16 SURF	0.026	0.13	6.7
	C51	0.011	0.05	11.2				
140.000	ZAHORRA ART.	1.000	0.00	80.0	AC16 SURF	0.250	0.00	15.0
	AC16 SURF	0.108	0.00	6.7	C51	0.238	0.00	11.2

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PROYECTO :
GRUPO : 3 : CAMINOS
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 46 : CARRIL BICI (ISPOL46.vol)

SECCIÓN 3132

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* * *	MEDICIONES DE LOS PERFILES TRANSVERSALES	* * *
* * *	CAPAS DE FIRME	* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
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143.144	ZAHORRA ART.	1.000	3.15	83.1	AC16 SURF	0.250	0.79	15.8
	AC16 SURF	0.108	0.34	7.1	C51	0.238	0.75	12.0
145.000	ZAHORRA ART.	1.000	1.86	85.0	AC16 SURF	0.250	0.46	16.3
	AC16 SURF	0.108	0.20	7.3	C51	0.238	0.44	12.4
149.106	ZAHORRA ART.	1.000	4.11	89.1	AC16 SURF	0.250	1.03	17.3
	AC16 SURF	0.108	0.45	7.7	C51	0.238	0.98	13.4
150.000	ZAHORRA ART.	1.000	0.89	90.0	AC16 SURF	0.250	0.22	17.5
	AC16 SURF	0.108	0.10	7.8	C51	0.238	0.21	13.6
155.000	ZAHORRA ART.	1.000	5.00	95.0	AC16 SURF	0.250	1.25	18.8
	AC16 SURF	0.109	0.54	8.3	C51	0.238	1.19	14.8
160.000	ZAHORRA ART.	1.000	5.00	100.0	AC16 SURF	0.250	1.25	20.0
	AC16 SURF	0.108	0.54	8.9	C51	0.238	1.19	16.0
165.000	ZAHORRA ART.	1.000	5.00	105.0	AC16 SURF	0.250	1.25	21.3
	AC16 SURF	0.108	0.54	9.4	C51	0.238	1.19	17.2
170.000	ZAHORRA ART.	1.000	5.00	110.0	AC16 SURF	0.250	1.25	22.5
	AC16 SURF	0.108	0.54	10.0	C51	0.238	1.19	18.4
175.000	ZAHORRA ART.	1.000	5.00	115.0	AC16 SURF	0.250	1.25	23.8
	AC16 SURF	0.108	0.54	10.5	C51	0.238	1.19	19.6
180.000	ZAHORRA ART.	1.000	5.00	120.0	AC16 SURF	0.250	1.25	25.0
	AC16 SURF	0.108	0.54	11.1	C51	0.238	1.19	20.7
185.000	ZAHORRA ART.	1.000	5.00	125.0	AC16 SURF	0.250	1.25	26.3
	AC16 SURF	0.109	0.54	11.6	C51	0.238	1.19	21.9
190.000	ZAHORRA ART.	1.001	5.00	130.0	AC16 SURF	0.250	1.25	27.5
	AC16 SURF	0.109	0.54	12.1	C51	0.237	1.19	23.1
195.000	ZAHORRA ART.	1.000	5.00	135.0	AC16 SURF	0.250	1.25	28.8
	AC16 SURF	0.109	0.54	12.7	C51	0.236	1.18	24.3
200.000	ZAHORRA ART.	1.000	5.00	140.0	AC16 SURF	0.250	1.25	30.0
	AC16 SURF	0.109	0.54	13.2	C51	0.164	1.00	25.3
205.000	ZAHORRA ART.	1.000	5.00	145.0	AC16 SURF	0.250	1.25	31.3
	AC16 SURF	0.109	0.54	13.8	C51	0.156	0.80	26.1
210.000	ZAHORRA ART.	1.000	5.00	150.0	AC16 SURF	0.250	1.25	32.5
	AC16 SURF	0.109	0.54	14.3	C51	0.275	1.08	27.2
215.000	ZAHORRA ART.	1.000	5.00	155.0	AC16 SURF	0.250	1.25	33.8
	AC16 SURF	0.109	0.54	14.9	C51	0.257	1.33	28.5
220.000	ZAHORRA ART.	1.000	5.00	160.0	AC16 SURF	0.250	1.25	35.0
	AC16 SURF	0.109	0.54	15.4	C51	0.260	1.29	29.8
225.000	ZAHORRA ART.	1.000	5.00	165.0	AC16 SURF	0.250	1.25	36.3
	AC16 SURF	0.109	0.54	15.9	C51	0.279	1.35	31.2



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PROYECTO :
GRUPO : 3 : CAMINOS
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 46 : CARRIL BICI (ISPOL46.vol)

SECCIÓN 3132

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES * * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
230.000	ZAHORRA ART.	1.000	5.00	170.0	AC16 SURF	0.250	1.25	37.5

	AC16 SURF	0.109	0.54	16.5	C51	0.174	1.13	32.3
235.000	ZAHORRA ART.	1.000	5.00	175.0	AC16 SURF	0.250	1.25	38.8
	AC16 SURF	0.102	0.53	17.0	C51	0.096	0.67	33.0
239.794	ZAHORRA ART.	1.000	4.80	179.8	AC16 SURF	0.250	1.20	40.0
	AC16 SURF	0.093	0.47	17.5	C51	0.174	0.65	33.6
239.800	ZAHORRA ART.	1.000	0.01	179.8	AC16 SURF	0.250	0.00	40.0
	AC16 SURF	0.093	0.00	17.5	C51	0.174	0.00	33.6
240.000	ZAHORRA ART.	1.000	0.20	180.0	AC16 SURF	0.250	0.05	40.0
	AC16 SURF	0.091	0.02	17.5	C51	0.174	0.03	33.6
240.200	ZAHORRA ART.	1.000	0.20	180.2	AC16 SURF	0.250	0.05	40.1
	AC16 SURF	0.089	0.02	17.5	C51	0.173	0.03	33.7
240.400	ZAHORRA ART.	1.000	0.20	180.4	AC16 SURF	0.250	0.05	40.1
	AC16 SURF	0.089	0.02	17.5	C51	0.173	0.03	33.7
240.600	ZAHORRA ART.	1.000	0.20	180.6	AC16 SURF	0.250	0.05	40.2
	AC16 SURF	0.089	0.02	17.5	C51	0.173	0.03	33.8
240.800	ZAHORRA ART.	1.000	0.20	180.8	AC16 SURF	0.250	0.05	40.2
	AC16 SURF	0.085	0.02	17.6	C51	0.172	0.03	33.8
241.000	ZAHORRA ART.	1.000	0.20	181.0	AC16 SURF	0.250	0.05	40.3
	AC16 SURF	0.084	0.02	17.6	C51	0.172	0.03	33.8
241.200	ZAHORRA ART.	1.000	0.20	181.2	AC16 SURF	0.250	0.05	40.3
	AC16 SURF	0.080	0.02	17.6	C51	0.172	0.03	33.9
241.400	ZAHORRA ART.	1.000	0.20	181.4	AC16 SURF	0.250	0.05	40.4
	AC16 SURF	0.081	0.02	17.6	C51	0.172	0.03	33.9
241.600	ZAHORRA ART.	1.000	0.20	181.6	AC16 SURF	0.250	0.05	40.4
	AC16 SURF	0.094	0.02	17.6	C51	0.175	0.03	33.9
241.800	ZAHORRA ART.	1.000	0.20	181.8	AC16 SURF	0.250	0.05	40.5
	AC16 SURF	0.103	0.02	17.6	C51	0.182	0.04	34.0
242.000	ZAHORRA ART.	1.000	0.20	182.0	AC16 SURF	0.250	0.05	40.5
	AC16 SURF	0.108	0.02	17.7	C51	0.195	0.04	34.0
242.200	ZAHORRA ART.	1.000	0.20	182.2	AC16 SURF	0.250	0.05	40.6
	AC16 SURF	0.109	0.02	17.7	C51	0.212	0.04	34.0
242.400	ZAHORRA ART.	1.000	0.20	182.4	AC16 SURF	0.250	0.05	40.6
	AC16 SURF	0.108	0.02	17.7	C51	0.230	0.04	34.1
242.600	ZAHORRA ART.	1.000	0.20	182.6	AC16 SURF	0.250	0.05	40.7
	AC16 SURF	0.108	0.02	17.7	C51	0.236	0.05	34.1
242.800	ZAHORRA ART.	1.000	0.20	182.8	AC16 SURF	0.250	0.05	40.7
	AC16 SURF	0.109	0.02	17.8	C51	0.243	0.05	34.2



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PROYECTO :
GRUPO : 3 : CAMINOS
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 46 : CARRIL BICI (ISPOL46.vol)

SECCIÓN 3132

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
243.000	ZAHORRA ART.	1.000	0.20	183.0	AC16 SURF	0.250	0.05	40.8
	AC16 SURF	0.108	0.02	17.8	C51	0.251	0.05	34.2
243.200	ZAHORRA ART.	1.000	0.20	183.2	AC16 SURF	0.250	0.05	40.8

	AC16 SURF	0.109	0.02	17.8	C51	0.250	0.05	34.3
243.400	ZAHORRA ART.	1.000	0.20	183.4	AC16 SURF	0.250	0.05	40.9
	AC16 SURF	0.109	0.02	17.8	C51	0.243	0.05	34.3
243.546	ZAHORRA ART.	1.000	0.15	183.6	AC16 SURF	0.250	0.04	40.9
	AC16 SURF	0.109	0.02	17.8	C51	0.238	0.04	34.4
245.000	ZAHORRA ART.	1.000	1.45	185.0	AC16 SURF	0.250	0.36	41.3
	AC16 SURF	0.102	0.15	18.0	C51	0.181	0.30	34.7
245.599	ZAHORRA ART.	1.000	0.60	185.6	AC16 SURF	0.250	0.15	41.4
	AC16 SURF	0.079	0.05	18.0	C51	0.172	0.11	34.8



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PROYECTO :
GRUPO : 3 : CAMINOS
C. R. S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 46 : CARRIL BICI (ISPOL46.vol)

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* * * RESUMEN DE VOLUMENES TOTALES * * *

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MATERIAL	VOLUMEN
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ZAHORRA ART.	185.6
AC16 SURF	41.4
AC16 SURF	18.0
C51	34.8

SECCIÓN 132

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	ZAHORRA ART.	0.812	0.00	0.0				
20.000	ZAHORRA ART.	1.202	20.14	20.1				
40.000	ZAHORRA ART.	1.592	27.94	48.1				
60.000	ZAHORRA ART.	1.592	31.84	79.9				
80.000	ZAHORRA ART.	1.592	31.84	111.7				
100.000	ZAHORRA ART.	1.592	31.84	143.6				
120.000	ZAHORRA ART.	1.592	31.84	175.4				
140.000	ZAHORRA ART.	1.592	31.84	207.3				
160.000	ZAHORRA ART.	1.592	31.84	239.1				
180.000	ZAHORRA ART.	1.592	31.84	270.9				
200.000	ZAHORRA ART.	1.592	31.84	302.8				
220.000	ZAHORRA ART.	1.592	31.84	334.6				
240.000	ZAHORRA ART.	1.592	31.84	366.4				
260.000	ZAHORRA ART.	1.592	31.84	398.3				
280.000	ZAHORRA ART.	1.592	31.84	430.1				
300.000	ZAHORRA ART.	1.592	31.84	461.9				
320.000	ZAHORRA ART.	1.275	28.67	490.6				
337.081	ZAHORRA ART.	1.004	19.46	510.1				

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* * * RESUMEN DE VOLUMENES TOTALES * * *

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MATERIAL	VOLUMEN
ZAHORRA ART.	510.1

SECCIÓN 3212

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	SUELOCEMENTO	3.788	0.00	0.0	AC22 BIN	0.673	0.00	0.0
	AC16 SURF	0.476	0.00	0.0	C51	0.217	0.00	0.0
20.000	SUELOCEMENTO	3.788	75.76	75.8	AC22 BIN	0.673	13.46	13.5
	AC16 SURF	0.476	9.53	9.5	C51	0.239	4.55	4.5
40.000	SUELOCEMENTO	3.788	75.76	151.5	AC22 BIN	0.673	13.46	26.9
	AC16 SURF	0.476	9.53	19.1	C51	0.295	5.11	9.7
60.000	SUELOCEMENTO	3.788	75.76	227.3	AC22 BIN	0.673	13.46	40.4
	AC16 SURF	0.476	9.53	28.6	C51	0.334	6.20	15.9
80.000	SUELOCEMENTO	3.788	75.76	303.1	AC22 BIN	0.673	13.46	53.8
	AC16 SURF	0.476	9.53	38.1	C51	0.334	6.67	22.5
100.000	SUELOCEMENTO	3.788	75.76	378.8	AC22 BIN	0.673	13.46	67.3
	AC16 SURF	0.476	9.53	47.6	C51	0.334	6.68	29.2
120.000	SUELOCEMENTO	3.788	75.76	454.6	AC22 BIN	0.673	13.46	80.8
	AC16 SURF	0.476	9.53	57.2	C51	0.334	6.68	35.9
140.000	SUELOCEMENTO	3.788	75.76	530.3	AC22 BIN	0.673	13.46	94.2
	AC16 SURF	0.476	9.53	66.7	C51	0.334	6.68	42.6
160.000	SUELOCEMENTO	3.788	75.77	606.1	AC22 BIN	0.673	13.46	107.7
	AC16 SURF	0.476	9.53	76.2	C51	0.303	6.59	49.1
175.929	SUELOCEMENTO	3.788	60.34	666.5	AC22 BIN	0.673	10.72	118.4
	AC16 SURF	0.476	7.59	83.8	C51	0.217	4.11	53.3

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* * * RESUMEN DE VOLUMENES TOTALES * * *

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MATERIAL	VOLUMEN
SUELOCEMENTO	666.5
AC22 BIN	118.4
AC16 SURF	83.8
C51	53.3

Istram 23.01.01.13 24/05/23 16:11:15 200207
PROYECTO :
GRUPO : 8 : REPOSICIÓN PATERNA ED2
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 61 : EJE 61 (ISPOL61.vol)

SECCIÓN 3212

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* * *	MEDICIONES DE LOS PERFILES TRANSVERSALES	* * *
* * *	CAPAS DE FIRME	* * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	SUELOCEMENTO	2.070	0.00	0.0	AC22 BIN	0.241	0.00	0.0
	C51	0.010	0.00	0.0				
20.000	SUELOCEMENTO	1.970	40.40	40.4	AC22 BIN	0.230	4.70	4.7
	C51	0.008	0.16	0.2				
38.228	SUELOCEMENTO	1.878	35.07	75.5	AC22 BIN	0.221	4.11	8.8
	C51	0.008	0.14	0.3				



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PROYECTO :
GRUPO : 8 : REPOSICIÓN PATERNA ED2
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 61 : EJE 61 (ISPOL61.vol)

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* * *	RESUMEN DE VOLUMENES TOTALES	* * *
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MATERIAL	VOLUMEN
SUELOCEMENTO	75.5
AC22 BIN	8.8
C51	0.3

Istram 23.01.01.13 24/05/23 16:11:17 200207
PROYECTO :
GRUPO : 8 : REPOSICIÓN PATERNA ED2
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 62 : EJE 62 (ISPOL62.vol)

SECCIÓN 3212

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	SUELOCEMENTO	2.268	0.00	0.0	AC22 BIN	0.456	0.00	0.0
	AC16 SURF	0.325	0.00	0.0	C51	0.008	0.00	0.0
20.000	SUELOCEMENTO	2.156	44.24	44.2	AC22 BIN	0.436	8.91	8.9
	AC16 SURF	0.311	6.37	6.4	C51	0.008	0.16	0.2
35.497	SUELOCEMENTO	2.069	32.74	77.0	AC22 BIN	0.420	6.64	15.5
	AC16 SURF	0.300	4.74	11.1	C51	0.008	0.12	0.3



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PROYECTO :
GRUPO : 8 : REPOSICIÓN PATERNA ED2
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 62 : EJE 62 (ISPOL62.vol)

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* * * RESUMEN DE VOLUMENES TOTALES * * *
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MATERIAL	VOLUMEN
SUELOCEMENTO	77.0
AC22 BIN	15.5
AC16 SURF	11.1
C51	0.3

SECCIÓN 3212

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	SUELOCEMENTO	3.955	0.00	0.0	AC22 BIN	0.716	0.00	0.0
	AC16 SURF	0.503	0.00	0.0	C51	0.609	0.00	0.0
16.139	SUELOCEMENTO	4.261	66.30	66.3	AC22 BIN	0.716	11.56	11.6
	AC16 SURF	0.502	8.11	8.1	C51	0.662	10.25	10.3
20.000	SUELOCEMENTO	4.329	16.58	82.9	AC22 BIN	0.716	2.77	14.3
	AC16 SURF	0.502	1.94	10.0	C51	0.674	2.58	12.8
30.000	SUELOCEMENTO	4.366	43.47	126.4	AC22 BIN	0.716	7.16	21.5
	AC16 SURF	0.502	5.02	15.1	C51	0.680	6.77	19.6
40.000	SUELOCEMENTO	4.294	43.30	169.7	AC22 BIN	0.716	7.16	28.6
	AC16 SURF	0.502	5.02	20.1	C51	0.674	6.77	26.4
50.000	SUELOCEMENTO	4.294	42.94	212.6	AC22 BIN	0.716	7.16	35.8
	AC16 SURF	0.502	5.02	25.1	C51	0.676	6.75	33.1
60.000	SUELOCEMENTO	4.294	42.94	255.5	AC22 BIN	0.716	7.16	43.0
	AC16 SURF	0.502	5.02	30.1	C51	0.636	6.56	39.7
70.000	SUELOCEMENTO	4.294	42.94	298.5	AC22 BIN	0.716	7.16	50.1
	AC16 SURF	0.502	5.02	35.2	C51	0.521	5.79	45.5
80.000	SUELOCEMENTO	4.294	42.94	341.4	AC22 BIN	0.716	7.16	57.3
	AC16 SURF	0.502	5.02	40.2	C51	0.670	5.95	51.4
85.070	SUELOCEMENTO	4.294	21.77	363.2	AC22 BIN	0.716	3.63	60.9
	AC16 SURF	0.502	2.55	42.7	C51	0.669	3.39	54.8
90.000	SUELOCEMENTO	4.352	21.31	384.5	AC22 BIN	0.716	3.53	64.5
	AC16 SURF	0.502	2.48	45.2	C51	0.688	3.35	58.2
100.000	SUELOCEMENTO	4.364	43.58	428.1	AC22 BIN	0.716	7.16	71.6
	AC16 SURF	0.502	5.02	50.2	C51	0.696	6.92	65.1
110.000	SUELOCEMENTO	4.240	43.02	471.1	AC22 BIN	0.716	7.16	78.8
	AC16 SURF	0.502	5.02	55.3	C51	0.665	6.81	71.9
120.000	SUELOCEMENTO	4.084	41.62	512.7	AC22 BIN	0.716	7.16	85.9
	AC16 SURF	0.502	5.02	60.3	C51	0.620	6.43	78.3
128.339	SUELOCEMENTO	3.955	33.52	546.2	AC22 BIN	0.716	5.97	91.9
	AC16 SURF	0.503	4.19	64.5	C51	0.585	5.02	83.3
140.000	SUELOCEMENTO	3.955	46.12	592.4	AC22 BIN	0.716	8.35	100.3
	AC16 SURF	0.503	5.86	70.3	C51	0.632	7.10	90.4
160.000	SUELOCEMENTO	3.955	79.10	671.5	AC22 BIN	0.716	14.32	114.6
	AC16 SURF	0.503	10.05	80.4	C51	0.632	12.64	103.1
180.000	SUELOCEMENTO	3.955	79.10	750.6	AC22 BIN	0.716	14.32	128.9
	AC16 SURF	0.503	10.05	90.4	C51	0.609	12.41	115.5
200.000	SUELOCEMENTO	3.955	79.10	829.7	AC22 BIN	0.716	14.32	143.2
	AC16 SURF	0.503	10.05	100.5	C51	0.609	12.18	127.7

GRUPO : 8 : REPOSICIÓN PATERNA ED2
C.R. S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 63 : CAMINO 0+780 - 1+920 MD (I SPOL63. vol)

SECCIÓN 3212

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
220.000	SUELOCEMENTO	3.955	79.10	908.8	AC22 BIN	0.716	14.32	157.6
	AC16 SURF	0.502	10.05	110.5	C51	0.609	12.18	139.8
240.000	SUELOCEMENTO	3.955	79.10	987.9	AC22 BIN	0.716	14.32	171.9
	AC16 SURF	0.503	10.05	120.6	C51	0.598	12.07	151.9
260.000	SUELOCEMENTO	3.955	79.10	1067.0	AC22 BIN	0.716	14.32	186.2
	AC16 SURF	0.503	10.05	130.6	C51	0.609	12.07	164.0
280.000	SUELOCEMENTO	3.955	79.10	1146.1	AC22 BIN	0.716	14.32	200.5
	AC16 SURF	0.503	10.05	140.7	C51	0.609	12.18	176.2
300.000	SUELOCEMENTO	3.955	79.10	1225.2	AC22 BIN	0.716	14.32	214.9
	AC16 SURF	0.503	10.05	150.7	C51	0.609	12.18	188.3
320.000	SUELOCEMENTO	3.955	79.10	1304.3	AC22 BIN	0.716	14.32	229.2
	AC16 SURF	0.502	10.05	160.8	C51	0.609	12.18	200.5
340.000	SUELOCEMENTO	3.955	79.10	1383.4	AC22 BIN	0.716	14.32	243.5
	AC16 SURF	0.503	10.05	170.8	C51	0.598	12.07	212.6
360.000	SUELOCEMENTO	4.375	83.30	1466.7	AC22 BIN	0.716	14.32	257.8
	AC16 SURF	0.502	10.05	180.9	C51	0.693	12.91	225.5
360.447	SUELOCEMENTO	4.377	1.96	1468.6	AC22 BIN	0.716	0.32	258.1
	AC16 SURF	0.502	0.22	181.1	C51	0.692	0.31	225.8
380.000	SUELOCEMENTO	3.591	77.90	1546.5	AC22 BIN	0.716	14.00	272.1
	AC16 SURF	0.502	9.82	190.9	C51	0.615	12.78	238.6
396.897	SUELOCEMENTO	3.471	59.66	1606.2	AC22 BIN	0.716	12.10	284.2
	AC16 SURF	0.502	8.49	199.4	C51	0.597	10.24	248.8
400.000	SUELOCEMENTO	3.471	10.77	1617.0	AC22 BIN	0.716	2.22	286.5
	AC16 SURF	0.502	1.56	201.0	C51	0.597	1.85	250.7
420.000	SUELOCEMENTO	3.471	69.41	1686.4	AC22 BIN	0.716	14.32	300.8
	AC16 SURF	0.502	10.05	211.0	C51	0.597	11.94	262.6
425.443	SUELOCEMENTO	3.471	18.89	1705.3	AC22 BIN	0.716	3.90	304.7
	AC16 SURF	0.502	2.73	213.8	C51	0.597	3.25	265.9
440.000	SUELOCEMENTO	3.578	51.31	1756.6	AC22 BIN	0.716	10.42	315.1
	AC16 SURF	0.502	7.31	221.1	C51	0.622	8.87	274.7
460.000	SUELOCEMENTO	4.622	82.00	1838.6	AC22 BIN	0.716	14.32	329.4
	AC16 SURF	0.502	10.05	231.1	C51	0.712	13.33	288.1
461.893	SUELOCEMENTO	4.630	8.76	1847.3	AC22 BIN	0.716	1.36	330.8
	AC16 SURF	0.502	0.95	232.1	C51	0.695	1.33	289.4
480.000	SUELOCEMENTO	3.840	76.68	1924.0	AC22 BIN	0.716	12.97	343.8
	AC16 SURF	0.502	9.10	241.2	C51	0.448	10.35	299.7
498.343	SUELOCEMENTO	3.471	67.05	1991.1	AC22 BIN	0.716	13.14	356.9
	AC16 SURF	0.502	9.22	250.4	C51	0.516	8.84	308.6

EJE : 63 : CAMINO 0+780 - 1+920 MD (I SPOL63.vol)

SECCIÓN 3212

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
500.000	SUELOCEMENTO	3.471	5.75	1996.8	AC22 BIN	0.716	1.19	358.1
	AC16 SURF	0.502	0.83	251.2	C51	0.516	0.85	309.4
520.000	SUELOCEMENTO	3.471	69.41	2066.2	AC22 BIN	0.716	14.32	372.4
	AC16 SURF	0.502	10.05	261.3	C51	0.516	10.32	319.8
540.000	SUELOCEMENTO	3.471	69.41	2135.6	AC22 BIN	0.716	14.32	386.7
	AC16 SURF	0.502	10.05	271.3	C51	0.516	10.32	330.1
557.861	SUELOCEMENTO	3.471	61.99	2197.6	AC22 BIN	0.716	12.79	399.5
	AC16 SURF	0.502	8.97	280.3	C51	0.484	8.93	339.0
560.000	SUELOCEMENTO	3.471	7.42	2205.1	AC22 BIN	0.716	1.53	401.0
	AC16 SURF	0.502	1.07	281.4	C51	0.444	0.99	340.0
580.000	SUELOCEMENTO	4.115	75.86	2280.9	AC22 BIN	0.716	14.32	415.4
	AC16 SURF	0.502	10.05	291.4	C51	0.668	11.11	351.1
594.311	SUELOCEMENTO	4.630	62.58	2343.5	AC22 BIN	0.716	10.25	425.6
	AC16 SURF	0.502	7.19	298.6	C51	0.718	9.92	361.0
600.000	SUELOCEMENTO	4.547	26.11	2369.6	AC22 BIN	0.716	4.07	429.7
	AC16 SURF	0.502	2.86	301.5	C51	0.708	4.06	365.1
620.000	SUELOCEMENTO	3.472	80.19	2449.8	AC22 BIN	0.716	14.32	444.0
	AC16 SURF	0.502	10.05	311.5	C51	0.605	13.13	378.2
630.761	SUELOCEMENTO	3.471	37.35	2487.1	AC22 BIN	0.716	7.71	451.7
	AC16 SURF	0.502	5.41	316.9	C51	0.597	6.47	384.7
640.000	SUELOCEMENTO	3.471	32.07	2519.2	AC22 BIN	0.716	6.62	458.3
	AC16 SURF	0.502	4.64	321.6	C51	0.597	5.51	390.2
647.161	SUELOCEMENTO	3.471	24.85	2544.1	AC22 BIN	0.716	5.13	463.5
	AC16 SURF	0.502	3.60	325.2	C51	0.597	4.27	394.5
660.000	SUELOCEMENTO	3.471	44.56	2588.6	AC22 BIN	0.716	9.19	472.7
	AC16 SURF	0.502	6.45	331.6	C51	0.603	7.70	402.2
676.321	SUELOCEMENTO	4.294	63.37	2652.0	AC22 BIN	0.716	11.69	484.3
	AC16 SURF	0.502	8.20	339.8	C51	0.685	10.51	412.7
680.000	SUELOCEMENTO	4.294	15.80	2667.8	AC22 BIN	0.716	2.63	487.0
	AC16 SURF	0.502	1.85	341.7	C51	0.685	2.52	415.2
700.000	SUELOCEMENTO	4.294	85.89	2753.7	AC22 BIN	0.716	14.32	501.3
	AC16 SURF	0.502	10.05	351.7	C51	0.685	13.69	428.9
720.000	SUELOCEMENTO	4.294	85.89	2839.6	AC22 BIN	0.716	14.32	515.6
	AC16 SURF	0.502	10.05	361.8	C51	0.565	12.50	441.4
740.000	SUELOCEMENTO	4.294	85.88	2925.5	AC22 BIN	0.716	14.32	529.9
	AC16 SURF	0.502	10.05	371.8	C51	0.590	11.55	452.9
760.000	SUELOCEMENTO	4.294	85.88	3011.3	AC22 BIN	0.716	14.32	544.3
	AC16 SURF	0.502	10.05	381.9	C51	0.685	12.74	465.7

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
780.000	SUELOCEMENTO	4.294	85.89	3097.2	AC22 BIN	0.716	14.32	558.6
	AC16 SURF	0.502	10.05	391.9	C51	0.683	13.67	479.4
800.000	SUELOCEMENTO	4.144	84.38	3181.6	AC22 BIN	0.716	14.32	572.9
	AC16 SURF	0.502	10.05	402.0	C51	0.367	10.50	489.9
820.000	SUELOCEMENTO	4.294	84.38	3266.0	AC22 BIN	0.716	14.32	587.2
	AC16 SURF	0.502	10.05	412.0	C51	0.684	10.51	500.4
840.000	SUELOCEMENTO	4.294	85.89	3351.9	AC22 BIN	0.716	14.32	601.6
	AC16 SURF	0.502	10.05	422.1	C51	0.684	13.67	514.0
860.000	SUELOCEMENTO	4.294	85.89	3437.8	AC22 BIN	0.716	14.32	615.9
	AC16 SURF	0.502	10.05	432.1	C51	0.684	13.68	527.7
880.000	SUELOCEMENTO	4.294	85.89	3523.6	AC22 BIN	0.716	14.32	630.2
	AC16 SURF	0.502	10.05	442.2	C51	0.674	13.58	541.3
900.000	SUELOCEMENTO	4.294	85.89	3609.5	AC22 BIN	0.716	14.32	644.5
	AC16 SURF	0.502	10.05	452.2	C51	0.686	13.60	554.9
920.000	SUELOCEMENTO	4.294	85.89	3695.4	AC22 BIN	0.716	14.32	658.8
	AC16 SURF	0.502	10.05	462.3	C51	0.669	13.55	568.4
940.000	SUELOCEMENTO	4.294	85.89	3781.3	AC22 BIN	0.716	14.32	673.2
	AC16 SURF	0.502	10.05	472.3	C51	0.681	13.50	581.9
960.000	SUELOCEMENTO	4.269	85.63	3866.9	AC22 BIN	0.716	14.32	687.5
	AC16 SURF	0.502	10.05	482.4	C51	0.439	11.20	593.1
980.000	SUELOCEMENTO	7.234	115.03	3982.0	AC22 BIN	1.066	17.82	705.3
	AC16 SURF	0.752	12.55	494.9	C51	0.156	5.95	599.1
1000.000	SUELOCEMENTO	7.250	144.84	4126.8	AC22 BIN	1.066	21.32	726.6
	AC16 SURF	0.752	15.05	510.0	C51	0.385	5.41	604.5
1020.000	SUELOCEMENTO	7.250	145.01	4271.8	AC22 BIN	1.066	21.32	747.9
	AC16 SURF	0.752	15.05	525.0	C51	0.385	7.71	612.2
1040.000	SUELOCEMENTO	7.250	145.01	4416.8	AC22 BIN	1.066	21.32	769.3
	AC16 SURF	0.752	15.05	540.1	C51	0.385	7.71	619.9
1060.000	SUELOCEMENTO	7.250	145.01	4561.8	AC22 BIN	1.066	21.32	790.6
	AC16 SURF	0.752	15.05	555.1	C51	0.385	7.71	627.6
1080.000	SUELOCEMENTO	7.075	143.26	4705.1	AC22 BIN	1.066	21.32	811.9
	AC16 SURF	0.752	15.05	570.2	C51	0.393	7.78	635.4
1100.000	SUELOCEMENTO	7.283	143.58	4848.7	AC22 BIN	1.066	21.32	833.2
	AC16 SURF	0.752	15.05	585.2	C51	1.920	23.13	658.5
1120.000	SUELOCEMENTO	7.250	145.33	4994.0	AC22 BIN	1.066	21.32	854.6
	AC16 SURF	0.752	15.05	600.3	C51	0.385	23.06	681.6
1132.490	SUELOCEMENTO	7.250	90.56	5084.6	AC22 BIN	1.066	13.31	867.9
	AC16 SURF	0.752	9.40	609.6	C51	0.385	4.81	686.4

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PROYECTO :
GRUPO : 8 : REPOSICIÓN PATERNA ED2
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 63 : CAMINO 0+780 - 1+920 MD (I SPOL63.vol)

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
1140.000	SUELOCEMENTO	7.250	54.45	5139.0	AC22 BIN	1.066	8.01	875.9
	AC16 SURF	0.752	5.65	615.3	C51	0.385	2.89	689.3
1160.000	SUELOCEMENTO	7.250	145.01	5284.0	AC22 BIN	1.066	21.32	897.2
	AC16 SURF	0.752	15.05	630.3	C51	0.385	7.71	697.0
1167.983	SUELOCEMENTO	7.250	57.88	5341.9	AC22 BIN	1.066	8.51	905.7
	AC16 SURF	0.752	6.01	636.4	C51	0.385	3.08	700.1
1180.000	SUELOCEMENTO	7.251	87.13	5429.0	AC22 BIN	1.066	12.81	918.5
	AC16 SURF	0.752	9.04	645.4	C51	0.385	4.63	704.7
1200.000	SUELOCEMENTO	2.726	99.77	5528.8	AC22 BIN	0.471	15.37	933.9
	AC16 SURF	0.327	10.80	656.2	C51	0.606	9.91	714.6
1203.689	SUELOCEMENTO	2.727	10.06	5538.9	AC22 BIN	0.471	1.74	935.6
	AC16 SURF	0.327	1.21	657.4	C51	0.635	2.29	716.9
1220.000	SUELOCEMENTO	2.686	44.14	5583.0	AC22 BIN	0.471	7.68	943.3
	AC16 SURF	0.327	5.34	662.7	C51	0.579	9.90	726.8
1240.000	SUELOCEMENTO	2.638	53.24	5636.3	AC22 BIN	0.471	9.42	952.7
	AC16 SURF	0.328	6.55	669.3	C51	0.572	11.51	738.3
1244.022	SUELOCEMENTO	2.629	10.59	5646.8	AC22 BIN	0.471	1.90	954.6
	AC16 SURF	0.328	1.32	670.6	C51	0.566	2.29	740.6
1260.000	SUELOCEMENTO	2.629	42.00	5688.8	AC22 BIN	0.471	7.53	962.2
	AC16 SURF	0.327	5.23	675.8	C51	0.566	9.05	749.7
1274.847	SUELOCEMENTO	2.629	39.03	5727.9	AC22 BIN	0.471	7.00	969.2
	AC16 SURF	0.328	4.86	680.7	C51	0.566	8.41	758.1
1274.848	SUELOCEMENTO	3.955	0.00	5727.9	AC22 BIN	0.716	0.00	969.2
	AC16 SURF	0.503	0.00	680.7	C51	0.609	0.00	758.1
1280.000	SUELOCEMENTO	3.807	19.99	5747.9	AC22 BIN	0.691	3.62	972.8
	AC16 SURF	0.484	2.54	683.3	C51	0.604	3.13	761.2
1300.000	SUELOCEMENTO	3.255	70.62	5818.5	AC22 BIN	0.593	12.84	985.6
	AC16 SURF	0.414	8.99	692.2	C51	0.586	11.90	773.1
1307.777	SUELOCEMENTO	3.052	24.52	5843.0	AC22 BIN	0.555	4.46	990.1
	AC16 SURF	0.387	3.12	695.4	C51	0.579	4.53	777.6
1310.000	SUELOCEMENTO	3.033	6.76	5849.8	AC22 BIN	0.544	1.22	991.3
	AC16 SURF	0.379	0.85	696.2	C51	0.585	1.29	778.9
1315.000	SUELOCEMENTO	2.997	15.08	5864.9	AC22 BIN	0.519	2.66	994.0
	AC16 SURF	0.362	1.85	698.1	C51	0.605	2.97	781.9
1320.000	SUELOCEMENTO	2.925	14.80	5879.7	AC22 BIN	0.495	2.54	996.5
	AC16 SURF	0.345	1.77	699.8	C51	0.622	3.07	785.0
1324.848	SUELOCEMENTO	2.815	13.91	5893.6	AC22 BIN	0.471	2.34	998.8
	AC16 SURF	0.327	1.63	701.5	C51	0.629	3.03	788.0



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PROYECTO :
GRUPO : 8 : REPOSICIÓN PATERNA ED2
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 63 : CAMINO 0+780 - 1+920 MD (I SPOL63.vol)

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SECCIÓN 3212

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * *
 CAPAS DE FIRME
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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.

1325.000	SUELOCEMENTO	2.815	0.43	5894.0	AC22 BIN	0.471	0.07	998.9
	AC16 SURF	0.328	0.05	701.5	C51	0.629	0.10	788.1
1330.000	SUELOCEMENTO	2.809	14.06	5908.1	AC22 BIN	0.471	2.36	1001.3
	AC16 SURF	0.328	1.64	703.1	C51	0.626	3.14	791.2
1332.277	SUELOCEMENTO	2.797	6.38	5914.4	AC22 BIN	0.471	1.07	1002.3
	AC16 SURF	0.327	0.75	703.9	C51	0.622	1.42	792.7
1335.000	SUELOCEMENTO	2.775	7.59	5922.0	AC22 BIN	0.471	1.28	1003.6
	AC16 SURF	0.328	0.89	704.8	C51	0.615	1.68	794.3
1340.000	SUELOCEMENTO	2.715	13.72	5935.8	AC22 BIN	0.471	2.36	1006.0
	AC16 SURF	0.327	1.64	706.4	C51	0.597	3.03	797.4
1345.000	SUELOCEMENTO	2.637	13.38	5949.1	AC22 BIN	0.471	2.36	1008.3
	AC16 SURF	0.327	1.64	708.1	C51	0.578	2.94	800.3
1350.000	SUELOCEMENTO	2.565	13.00	5962.1	AC22 BIN	0.471	2.36	1010.7
	AC16 SURF	0.328	1.64	709.7	C51	0.567	2.86	803.2
1355.000	SUELOCEMENTO	2.491	12.64	5974.8	AC22 BIN	0.471	2.36	1013.0
	AC16 SURF	0.327	1.64	711.3	C51	0.548	2.79	806.0
1360.000	SUELOCEMENTO	2.419	12.27	5987.0	AC22 BIN	0.471	2.36	1015.4
	AC16 SURF	0.327	1.64	713.0	C51	0.530	2.70	808.7
1361.225	SUELOCEMENTO	2.421	2.96	5990.0	AC22 BIN	0.471	0.58	1016.0
	AC16 SURF	0.327	0.40	713.4	C51	0.530	0.65	809.3
1365.000	SUELOCEMENTO	2.422	9.14	5999.2	AC22 BIN	0.471	1.78	1017.8
	AC16 SURF	0.327	1.24	714.6	C51	0.530	2.00	811.3
1370.000	SUELOCEMENTO	2.422	12.11	6011.3	AC22 BIN	0.471	2.36	1020.1
	AC16 SURF	0.327	1.64	716.2	C51	0.530	2.65	814.0
1375.000	SUELOCEMENTO	2.422	12.11	6023.4	AC22 BIN	0.471	2.36	1022.5
	AC16 SURF	0.327	1.64	717.9	C51	0.530	2.65	816.6
1380.000	SUELOCEMENTO	2.422	12.11	6035.5	AC22 BIN	0.471	2.36	1024.8
	AC16 SURF	0.327	1.64	719.5	C51	0.530	2.65	819.3
1385.000	SUELOCEMENTO	2.422	12.11	6047.6	AC22 BIN	0.471	2.36	1027.2
	AC16 SURF	0.327	1.64	721.2	C51	0.530	2.65	821.9
1385.725	SUELOCEMENTO	2.422	1.76	6049.3	AC22 BIN	0.471	0.34	1027.5
	AC16 SURF	0.327	0.24	721.4	C51	0.530	0.38	822.3

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 Istram 23.01.01.13 29/05/23 11:04:49 200207

proyeto :
 grupo : 8 : REPOSICIÓN PATERNA ED2
 C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
 EJE : 63 : CAMINO 0+780 - 1+920 MD (I SPOL63.vol)

pagina 7

* * *
 RESUMEN DE VOLUMENES TOTALES
 * * *
 =====

MATERIAL	VOLUMEN

SUELOCEMENTO	6049.3
AC22 BIN	1027.5
AC16 SURF	721.4
C51	822.3

Istram 23.01.01.13 24/05/23 16:11:25 200207
PROYECTO :
GRUPO : 8 : REPOSICIÓN PATERNA ED2
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 64 : EJE 64 (ISPOL64.vol)

SECCIÓN 3212

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
=====

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	SUELOCEMENTO	2.290	0.00	0.0	AC22 BIN	0.428	0.00	0.0
	AC16 SURF	0.301	0.00	0.0	C51	0.298	0.00	0.0
20.000	SUELOCEMENTO	2.095	43.84	43.8	AC22 BIN	0.394	8.22	8.2
	AC16 SURF	0.277	5.78	5.8	C51	0.293	5.91	5.9
20.452	SUELOCEMENTO	2.091	0.95	44.8	AC22 BIN	0.393	0.18	8.4
	AC16 SURF	0.276	0.13	5.9	C51	0.293	0.13	6.0



Istram 23.01.01.13 24/05/23 16:11:26 200207
PROYECTO :
GRUPO : 8 : REPOSICIÓN PATERNA ED2
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 64 : EJE 64 (ISPOL64.vol)

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* * * RESUMEN DE VOLUMENES TOTALES * * *
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MATERIAL	VOLUMEN
SUELOCEMENTO	44.8
AC22 BIN	8.4
AC16 SURF	5.9
C51	6.0

SECCIÓN 3212

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

=====

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	SUELOCEMENTO	2.492	0.00	0.0	AC22 BIN	0.463	0.00	0.0
	AC16 SURF	0.326	0.00	0.0	C51	0.303	0.00	0.0
20.000	SUELOCEMENTO	2.295	47.87	47.9	AC22 BIN	0.429	8.92	8.9
	AC16 SURF	0.302	6.28	6.3	C51	0.298	6.01	6.0
20.564	SUELOCEMENTO	2.290	1.29	49.2	AC22 BIN	0.428	0.24	9.2
	AC16 SURF	0.301	0.17	6.5	C51	0.298	0.17	6.2

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* * * RESUMEN DE VOLUMENES TOTALES * * *

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MATERIAL	VOLUMEN
SUELOCEMENTO	49.2
AC22 BIN	9.2
AC16 SURF	6.5
C51	6.2

SECCIÓN 3212

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	SUELOCEMENTO	4.150	0.00	0.0	AC22 BIN	0.716	0.00	0.0
	AC16 SURF	0.503	0.00	0.0	C51	0.182	0.00	0.0
20.000	SUELOCEMENTO	4.284	85.66	85.7	AC22 BIN	0.716	14.32	14.3
	AC16 SURF	0.502	10.05	10.0	C51	0.470	8.65	8.6
40.000	SUELOCEMENTO	4.291	84.21	169.9	AC22 BIN	0.716	14.32	28.6
	AC16 SURF	0.503	10.05	20.1	C51	0.500	8.58	17.2
60.000	SUELOCEMENTO	4.269	85.65	255.5	AC22 BIN	0.716	14.32	43.0
	AC16 SURF	0.503	10.05	30.1	C51	0.421	10.04	27.3
80.000	SUELOCEMENTO	4.294	85.67	341.2	AC22 BIN	0.716	14.32	57.3
	AC16 SURF	0.503	10.05	40.2	C51	0.682	11.30	38.6
100.000	SUELOCEMENTO	4.340	85.93	427.1	AC22 BIN	0.716	14.32	71.6
	AC16 SURF	0.502	10.05	50.2	C51	0.695	13.62	52.2
120.000	SUELOCEMENTO	4.009	84.97	512.1	AC22 BIN	0.716	14.32	85.9
	AC16 SURF	0.502	10.05	60.3	C51	0.622	13.55	65.7
140.000	SUELOCEMENTO	3.955	79.15	591.2	AC22 BIN	0.716	14.32	100.3
	AC16 SURF	0.503	10.05	70.3	C51	0.609	12.19	77.9
149.455	SUELOCEMENTO	3.955	37.39	628.6	AC22 BIN	0.716	6.77	107.0
	AC16 SURF	0.503	4.75	75.1	C51	0.609	5.76	83.7

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* * * RESUMEN DE VOLUMENES TOTALES * * *

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MATERIAL	VOLUMEN
SUELOCEMENTO	628.6
AC22 BIN	107.0
AC16 SURF	75.1
C51	83.7

SECCIÓN 3212

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	SUELOCEMENTO	2.408	0.00	0.0	AC22 BIN	0.428	0.00	0.0
	AC16 SURF	0.301	0.00	0.0	C51	0.328	0.00	0.0
19.873	SUELOCEMENTO	2.192	45.70	45.7	AC22 BIN	0.393	8.16	8.2
	AC16 SURF	0.276	5.74	5.7	C51	0.321	6.45	6.5

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* * * RESUMEN DE VOLUMENES TOTALES * * *

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MATERIAL	VOLUMEN
SUELOCEMENTO	45.7
AC22 BIN	8.2
AC16 SURF	5.7
C51	6.5

Istram 23.01.01.13 24/05/23 16:11:37 200207
PROYECTO :
GRUPO : 8 : REPOSICIÓN PATERNA ED2
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 68 : EJE 68 (ISPOL68.vol)

SECCIÓN 3212

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
=====

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	SUELOCEMENTO	2.492	0.00	0.0	AC22 BIN	0.463	0.00	0.0
	AC16 SURF	0.326	0.00	0.0	C51	0.303	0.00	0.0
20.000	SUELOCEMENTO	2.328	48.20	48.2	AC22 BIN	0.435	8.98	9.0
	AC16 SURF	0.306	6.32	6.3	C51	0.299	6.02	6.0
24.674	SUELOCEMENTO	2.290	10.79	59.0	AC22 BIN	0.428	2.02	11.0
	AC16 SURF	0.301	1.42	7.7	C51	0.298	1.39	7.4



Istram 23.01.01.13 24/05/23 16:11:37 200207
PROYECTO :
GRUPO : 8 : REPOSICIÓN PATERNA ED2
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 68 : EJE 68 (ISPOL68.vol)

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* * * RESUMEN DE VOLUMENES TOTALES * * *
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MATERIAL	VOLUMEN
SUELOCEMENTO	59.0
AC22 BIN	11.0
AC16 SURF	7.7
C51	7.4

SECCIÓN 3212

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *

* * * CAPAS DE FIRME * * *

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PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	SUELOCEMENTO	2.492	0.00	0.0	AC22 BIN	0.463	0.00	0.0
	AC16 SURF	0.326	0.00	0.0	C51	0.260	0.00	0.0
20.000	SUELOCEMENTO	2.374	48.67	48.7	AC22 BIN	0.443	9.06	9.1
	AC16 SURF	0.312	6.38	6.4	C51	0.268	5.50	5.5
34.526	SUELOCEMENTO	2.290	33.87	82.5	AC22 BIN	0.428	6.33	15.4
	AC16 SURF	0.301	4.45	10.8	C51	0.278	4.02	9.5

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* * * RESUMEN DE VOLUMENES TOTALES * * *

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MATERIAL	VOLUMEN
SUELOCEMENTO	82.5
AC22 BIN	15.4
AC16 SURF	10.8
C51	9.5

Istram 23.01.01.13 24/05/23 16:11:43 200207
PROYECTO :
GRUPO : 8 : REPOSICIÓN PATERNA ED2
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 70 : EJE70 (ISPOL70.vol)

SECCIÓN 3212

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* * * MEDICIONES DE LOS PERFILES TRANSVERSALES* * *
* * * CAPAS DE FIRME * * *
=====

PERFIL	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.	MATERIAL	AREA PERFIL	VOL. PARCIAL	VOL. ACUMUL.
0.000	SUELOCEMENTO	2.290	0.00	0.0	AC22 BIN	0.428	0.00	0.0
	AC16 SURF	0.301	0.00	0.0	C51	0.298	0.00	0.0
20.000	SUELOCEMENTO	2.170	44.60	44.6	AC22 BIN	0.407	8.35	8.4
	AC16 SURF	0.286	5.88	5.9	C51	0.295	5.93	5.9
33.408	SUELOCEMENTO	2.091	28.57	73.2	AC22 BIN	0.393	5.36	13.7
	AC16 SURF	0.276	3.77	9.6	C51	0.293	3.94	9.9



Istram 23.01.01.13 24/05/23 16:11:43 200207
PROYECTO :
GRUPO : 8 : REPOSICIÓN PATERNA ED2
C.R.S. : ETRS89 / UTM zone 30N (N-E) (HUSO 30)
EJE : 70 : EJE70 (ISPOL70.vol)

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* * * RESUMEN DE VOLUMENES TOTALES * * *
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MATERIAL	VOLUMEN
SUELOCEMENTO	73.2
AC22 BIN	13.7
AC16 SURF	9.6
C51	9.9

CALZADAS PRINCIPALES																	
EJE	Suelocemento	Zahorra Artificial	HORMIGÓN	AC32 Base S		AC22 bin S		AC16 Surf S		BBTM11B			Relleno Bermas	Riego de curado	Riego de adherencia	Riego de adh modificado	Riego de imprimación
	m³	m³	m³	m³	t	m³	t	m³	t	m²	m³	t	m³	m²	m²	m²	m²
EJE 1	11.379,10	5.010,50	0,00	5.852,40	13.460,52	3.536,90	8.488,56	0,00	0,00	65.550,00	1.966,50	4.424,63	6.392,40	117.346,00	98.142,30	59.857,40	15.375,90
EJE 2	0,00	5.515,00	0,00	4.051,00	9.317,30	1.929,80	4.631,52	0,00	0,00	46.350,00	1.390,50	3.128,63	1.563,60	49.497,50	65.849,33	46.350,00	18.984,25
EJE 10	837,30	0,00	0,00	227,40	523,02	223,10	535,44	0,00	0,00	3.110,00	93,30	209,93	602,20	8.256,30	5.416,70	3.100,50	0,00
Paso de mediana y Terciana	0,00	164,50	0,00	0,00	0,00	32,90	78,96	0,00	0,00	470,00	14,10	31,73	0,00	0,00	0,00	470,00	470,00
CONEXIÓN EJE 10 TRAMO A	88,00	0,00	0,00	44,00	101,20	34,32	82,37	0,00	0,00	440,00	13,20	29,70	0,00	440,00	880,00	440,00	0,00
TOTAL	12.304,4	10.690,0	0,0	10.174,8	23.402,0	5.757,0	13.816,8	0,0	0,0	115.920,0	3.477,6	7.824,6	8.558,2	175.539,8	170.288,3	110.217,9	34.830,2

CALZADAS LATERALES																	
EJE	Suelocemento	Zahorra Artificial	HORMIGÓN	AC32 Base S		AC22 bin S		AC16 Surf S		BBTM11B			Relleno Bermas	Riego de curado	Riego de adherencia	Riego de adh modificado	Riego de imprimación
	m³	m³	m³	m³	t	m³	t	m³	t	m²	m³	t	m³	m²	m²	m²	m²
EJE 3	2.673,30	446,20	0,00	800,60	1.841,38	721,40	1.731,36	0,00	0,00	10.126,67	303,80	683,55	885,30	23.539,80	18.222,50	10.109,50	2.630,10
EJE 4	3.182,20	0,00	0,00	1.038,70	2.389,01	1.082,10	2.597,04	0,00	0,00	15.200,00	456,00	1.026,00	908,10	32.949,20	25.548,50	15.173,80	0,00
EJE 5	524,90	0,00	0,00	151,70	348,91	146,60	351,84	0,00	0,00	2.056,67	61,70	138,83	149,40	4.712,20	3.593,10	2.053,60	0,00
EJE 7	713,00	0,00	0,00	180,40	414,92	189,50	454,80	0,00	0,00	2.650,00	79,50	178,88	426,90	6.715,90	4.482,70	2.643,10	0,00
EJE 18	3.229,60	0,00	0,00	1.056,80	2.430,64	924,20	2.218,08	0,00	0,00	12.966,67	389,00	875,25	1.526,30	31.460,70	23.636,50	12.937,90	0,00
EJE 19	189,30	97,60	0,00	36,50	83,95	54,50	130,80	0,00	0,00	756,67	22,70	51,08	171,30	2.013,20	1.137,20	755,70	506,00
TOTAL	10.512,3	543,8	0,0	3.264,7	7.508,8	3.118,3	7.483,9	0,0	0,0	43.756,7	1.312,7	2.953,6	4.067,3	101.391,0	76.620,5	43.673,6	3.136,1

ENLACE CV35																	
EJE	Suelocemento	Zahorra Artificial	HORMIGÓN	AC32 Base S		AC22 bin S		AC16 Surf S		BBTM11B			Relleno Bermas	Riego de curado	Riego de adherencia	Riego de adh modificado	Riego de imprimación
	m³	m³	m³	m³	t	m³	t	m³	t	m²	m³	t	m³	m²	m²	m²	m²
EJE 6	436,60	91,80	0,00	119,70	275,31	120,10	288,24	0,00	0,00	1.683,33	50,50	113,63	147,40	3.935,30	2.898,20	1.680,70	579,90
EJE 8	660,80	136,50	0,00	176,20	405,26	232,90	558,96	0,00	0,00	3.240,00	97,20	218,70	363,20	7.132,30	5.014,10	3.229,30	826,40
EJE 9	244,10	44,80	0,00	72,10	165,83	65,60	157,44	0,00	0,00	916,67	27,50	61,88	60,50	2.129,90	1.646,30	914,50	245,00
EJE 17	397,90	0,00	0,00	126,90	291,87	122,20	293,28	0,00	0,00	2.216,67	66,50	149,63	125,10	4.577,80	4.003,90	2.212,90	0,00
EJE 20	1.945,30	0,00	0,00	540,50	1.243,15	530,20	1.272,48	0,00	0,00	7.416,67	222,50	500,63	760,70	16.940,40	12.897,50	7.396,90	0,00
EJE 21	294,90	0,00	0,00	97,00	223,10	68,20	163,68	0,00	0,00	1.346,67	40,40	90,90	93,40	3.049,50	2.739,10	1.344,30	0,00
CONEXIÓN EJE 8 TRAMO A	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	9.283,00	278,49	626,60	0,00	0,00	0,00	9.283,00	0,00
TOTAL	3.979,6	273,1	0,0	1.132,4	2.604,5	1.139,2	2.734,1	0,0	0,0	26.103,0	783,1	1.762,0	1.550,3	37.765,2	29.199,1	26.061,6	1.651,3

REPOSICIÓN DE CARRETERAS Y CAMINOS																	
EJE	Suelocemento	Zahorra Artificial	HORMIGÓN	AC32 Base S		AC22 bin S		AC16 Surf S		BBTM11B			Relleno Bermas	Riego de curado	Riego de adherencia	Riego de adh modificado	Riego de imprimación
	m³	m³	m³	m³	t	m³	t	m³	t	m²	m³	t	m³	m²	m²	m²	m²
EJE 11	803,90	0,00	0,00	384,60	884,58	322,30	773,52	201,50	483,60	0,00	0,00	0,00	347,20	12.309,40	14.451,90	0,00	0,00
EJE 12	466,10	0,00	0,00	0,00	0,00	183,50	440,40	109,00	261,60	0,00	0,00	0,00	1,10	5.665,60	5.448,70	0,00	0,00
EJE 13	286,40	0,00	0,00	0,00	0,00	120,40	288,96	54,70	131,28	0,00	0,00	0,00	47,80	4.321,20	3.135,30	0,00	0,00
EJE 14	64,10	0,00	0,00	0,00	0,00	16,60	39,84	8,30	19,92	0,00	0,00	0,00	0,50	513,00	413,40	0,00	0,00
EJE 15	84,40	0,00	0,00	0,00	0,00	22,00	52,80	11,00	26,40	0,00	0,00	0,00	0,10	682,60	550,00	0,00	0,00
EJE 16	0,00	0,00	41,50	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	399,30	0,00	0,00	0,00
EJE 46	0,00	185,60	0,00	0,00	0,00	0,00	0,00	59,40	142,56	0,00	0,00	0,00	34,80	1.147,40	880,20	0,00	480,10
EJE 47	0,00	510,10	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	1.803,80	0,00	0,00	0,00
EJE 31	236,70	0,00	0,00	0,00	0,00	45,10	108,24	31,60	75,84	0,00	0,00	0,00	34,00	1.455,90	1.268,50	0,00	0,00
EJE 32	559,30	0,00	0,00	0,00	0,00	97,30	233,52	67,50	162,00	0,00	0,00	0,00	122,30	3.322,10	2.714,60	0,00	0,00
EJE 33	242,50	0,00	0,00	0,00	0,00	41,80	100,32	29,00	69,60	0,00	0,00	0,00	57,30	1.456,70	1.164,70	0,00	0,00
EJE 59	666,50	0,00	0,00	0,00	0,00	118,40	284,16	83,80	201,12	0,00	0,00	0,00	53,30	3.647,30	3.357,40	0,00	0,00
EJE 61	75,50	0,00	0,00	0,00	0,00	8,80	21,12	0,00	0,00	0,00	0,00	0,00	0,30	534,00	219,90	0,00	0,00
EJE 62	77,00	0,00	0,00	0,00	0,00	15,50	37,20	11,10	26,64	0,00	0,00	0,00	0,30	537,70	444,10	0,00	0,00
EJE 63	6.049,30	0,00	0,00	0,00	0,00	1.027,60	2.466,24	721,40	1.731,36	0,00	0,00	0,00	822,30	33.187,00	28.952,30	0,00	0,00
EJE 64	44,80	0,00	0,00	0,00	0,00	8,40	20,16	5,90	14,16	0,00	0,00	0,00	6,00	271,70	236,90	0,00	0,00
EJE 65	49,20	0,00	0,00	0,00	0,00	9,20	22,08	6,50	15,60	0,00	0,00	0,00	6,20	293,90	258,80	0,00	0,00
EJE 66	628,60	0,00	0,00	0,00	0,00	107,00	256,80	75,10	180,24	0,00	0,00	0,00	83,70	3.447,10	3.013,60	0,00	0,00
EJE 67	45,70	0,00	0,00	0,00	0,00	8,20	19,68	5,70	13,68	0,00	0,00	0,00	6,50	265,20	230,20	0,00	0,00
EJE 68	59,00	0,00	0,00	0,00	0,00	11,00	26,40	7,70	18,48	0,00	0,00	0,00	7,40	352,80	310,40	0,00	0,00
EJE 69	82,50	0,00	0,00	0,00	0,00	15,40	36,96	10,80	25,92	0,00	0,00	0,00	9,50	484,70	434,40	0,00	0,00
EJE 70	73,20	0,00	0,00	0,00	0,00	13,70	32,88	9,60	23,04	0,00	0,00	0,00	9,90	443,80	386,90	0,00	0,00
TOTAL	10.594,7	695,7	41,5	384,6	884,6	2.192,2	5.261,3	1.509,6	3.623,0	0,0	0,0	0,0	1.650,5	76.542,2	67.872,2	0,0	480,1

TOTAL																	
EJE	Suelocemento	Zahorra Artificial	HORMIGÓN	AC32 Base S		AC22 bin S		AC16 Surf S		BBTM11B			Relleno Bermas	Riego de curado	Riego de adherencia	Riego de adh modificado	Riego de imprimación
	m³	m³	m³	m³	t	m³	t	m³	t	m²	m³	t	m³	m²	m²	m²	m²
CALZADAS PRINCIPALES	12.304,40	10.690,00	0,00	10.174,80	23.402,04	5.757,02	13.816,85	0,00	0,00	115.920,00	3.477,60	7.824,60	8.558,20	175.539,80	170.288,33	110.217,90	34.830,15
CALZADAS LATERALES	10.512,30	543,80	0,00	3.264,70	7.508,81	3.118,30	7.483,92	0,00	0,00	43.756,67	1.312,70	2.953,58	4.067,30	101.391,00	76.620,50	43.673,60	3.136,10
ENLACE CV-35	3.979,60	273,10	0,00	1.132,40	2.604,52	1.139,20	2.734,08	0,00	0,00	26.103,00	783,09	1.761,95	1.550,30	37.765,20	29.199,10	26.061,60	1.651,30
CAMINOS	10.594,70	695,70	41,50	384,60	884,58	2.192,20	5.261,28	1.509,60	3.623,04	0,00	0,00	0,00	1.650,50	76.542,20	67.872,20	0,00	480,10
TOTAL	37.391,0	12.202,6	41,5	14.956,5	34.400,0	12.206,7	29.296,1	1.509,6	3.623,0	185.779,7	5.573,4	12.540,1	15.826,3	391.238,2	343.980,1	179.953,1	40.097,7

Drenaje

MEDICIONES AUXILIARES DRENAJE LONGITUDINAL

Subtramo CV-35 - ODT 1220 (subtramo Ademuz)

Drenaje Longitudinal: cunetas de desmonte

EJE	PK inicio	PK final	Margen	Longitud (m)	Tipo de cuneta
Eje2_Calzada derecha	0+085	0+380	Mediana	295.00	Tipo II
Eje2_Calzada derecha	0+380	0+440	Mediana	60.00	Tipo II
Eje2_Calzada derecha	0+440	0+840	Mediana	400.00	Tipo II
Eje2_Calzada derecha	0+840	1+100	Mediana	260.00	Tipo II
Eje2_Calzada derecha	0+085	0+190	Drcha	105.00	Tipo I
Eje2_Calzada derecha	0+190	0+250	Drcha	60.00	Tipo I
Eje2_Calzada derecha	0+250	0+350	Drcha	100.00	Tipo I
Eje2_Calzada derecha	0+350	0+420	Drcha	70.00	Tipo I
Eje2_Calzada derecha	0+420	0+480	Drcha	60.00	Tipo I
Eje19_RCD	0+000	0+050	Drcha	50.00	Tipo I
Eje19_RCD	0+060	0+130	Drcha	70.00	Tipo I
Eje20_Ramal CV-35(A) CD	0+000	0+045	Izda	45.00	Tipo I
Eje20_Ramal CV-35(A) CD	0+120	0+170	Drcha	50.00	Tipo I
Eje20_Ramal CV-35(A) CD	0+170	0+260	Drcha	90.00	Tipo I
Eje20_Ramal CV-35(A) CD	0+120	0+260	Izda	140.00	Tipo I
Eje 18_VÍA LATERAL DERECHA	0+300	0+450	Izda	150.00	Tipo I
Eje 18_VÍA LATERAL DERECHA	0+450	0+500	Izda	50.00	Tipo I
Eje 18_VÍA LATERAL DERECHA	0+000	0+060	Drcha	60.00	Tipo I
Eje 18_VÍA LATERAL DERECHA	0+060	0+160	Drcha	100.00	Tipo I
Eje1_Calzada Izquierda	2+580	2+500	Drcha	80.00	Tipo II
Eje1_Calzada Izquierda	2+500	2+450	Drcha	50.00	Tipo II
Eje1_Calzada Izquierda	2+380	1+740	Drcha	640.00	Tipo II
Eje1_Calzada Izquierda	1+740	1+600	Drcha	140.00	Tipo I
Eje1_Calzada Izquierda	1+600	1+660	Drcha	60.00	Tipo I
Eje6_RamalCLI-CV35(V)	0+060	0+120	Izda	60.00	Tipo I
Eje6_RamalCLI-CV35(V)	0+060	0+000	Dcha	60.00	Tipo I
Eje1_Calzada Izquierda	1+910	2+000	Dcha	90.00	Tipo I
Eje1_Calzada Izquierda	2+000	2+040	Dcha	40.00	Tipo I
Eje1_Calzada Izquierda	2+040	2+380	Dcha	340.00	Tipo II
Eje1_Calzada Izquierda	2+440	2+500	Dcha	60.00	Tipo II
Eje1_Calzada Izquierda	2+500	2+680	Dcha	180.00	Tipo II
Eje1_Calzada Izquierda	2+680	2+760	Dcha	80.00	Tipo II
Eje1_Calzada Izquierda	2+760	2+800	Dcha	40.00	Tipo I
Eje10_Via lateral izquierda_TF	0+060	0+100	Dcha	40.00	Tipo I
Eje10_Via lateral izquierda_TF	0+160	0+100	Dcha	60.00	Tipo I
Eje10_Via lateral izquierda_TF	0+160	0+190	Dcha	30.00	Tipo I
Eje10_Via lateral izquierda_TF	0+340	0+440	Dcha	100.00	Tipo I
Eje9_Ramal CLI-CV35	0+100	0+154	Izda	54.00	Tipo I
EJE18_CLD	0+000	0+060	Izda	60.00	Tipo I
EJE18_CLD	0+060	0+160	Izda	100.00	Tipo I
EJE18_CLD	1+280	1+380	Dcha	100.00	Tipo I
Eje10_Via lateral izquierda_TF	0+340	0+500	Izda	160.00	Tipo II
Eje10_Via lateral izquierda_TF	0+430	0+500	Dcha	70.00	Tipo I
Eje 14	0+010	0+080	Izda	70.00	Tipo I
Eje 15	0+045	0+065	Dcha	20.00	Tipo I
Eje 13	0+160	0+200	Dcha	40.00	Tipo I
Eje 13	0+160	0+200	Izda	40.00	Tipo I

MEDICIONES	LONGITUD (m)	SUPERFICIE (m²)	VOLUMEN HM-20 (m³)
Tipo I	2394.00	0.20	483.59
Tipo II	2605.00	0.51	1323.34

MEDICIONES AUXILIARES DRENAJE LONGITUDINAL

Drenaje Longitudinal: Cunetas pie terraplén

EJE	PK inicio	PK final	Margen	Longitud (m)
EJE 17-RAMAL CV35	0+025	0+100	Dcha	75
EJE 17-RAMAL CV35	0+000	0+025	Dcha	25
EJE20-RAMAL CV35-CALZADA DERECHA	0+000	0+110	Dcha	110
EJE1_CI	1+640	1+760	Dcha	120
EJE6_RAMAL CLI	0+120	0+220	Dcha	100
EJE18_CLD	1+110	1+380	Dcha	270
EJE8_Ramal CV-35 CLI	0+000	0+100	Dcha	100
EJE 17-RAMAL CV35	0+020	0+100	Izda	80
EJE 17-RAMAL CV35	0+000	0+020	Izda	20
EJE 18-RAMAL CV35	0+000	0+060	Dcha	60
EJE 18-RAMAL CV35	0+060	0+120	Dcha	60
EJE8_Ramal CV-35 CLI	0+240	0+320	Dcha	80
EJE12_Reposición avenida industria - Paso superior 3	0+080	0+000	Dcha	80
EJE12_Reposición avenida industria - Paso superior 3	0+080	0+000	Izda	80
EJE12_Reposición avenida industria - Paso superior 3	0+185	0+270	Dcha	85
EJE12_Reposición avenida industria - Paso superior 3	0+185	0+287	Izda	102

MEDICIONES	LONGITUD (m)	SUPERFICIE (m²)	VOLUMEN (m³)
Tipo I	947.00	0.17	164.78
Tipo II	500.00	0.26	129.00
Total	1447.00	0.43	293.78

Drenaje Longitudinal: Cunetas coronación de desmonte

EJE	PK inicio	PK final	Margen	Longitud (m)
EJE1_CI	2+350	2+580	Dcha	230
EJE1_CI	2+180	2+350	Dcha	170
EJE1_CI	1+760	2+160	Dcha	400
EJE6_RAMAL CLI	0+000	0+120	Dcha	120
EJE20_RAMAL CV35-CLD	0+215	0+420	Dcha	205
EJE20_RAMAL CV35-CLD	0+110	0+200	Dcha	90
EJE18_CLD	0+690	0+900	Dcha	210
EJE18_CLD	0+900	1+110	Dcha	210

MEDICIONES	LONGITUD (m)	SUPERFICIE (m²)	VOLUMEN (m³)
Tipo II	1635.00	0.26	421.83
Total	1635.00	0.26	421.83

Obras transversales de drenaje longitudinal (OTDL)

OTDL	Diámetro	Longitud
OTDL-0050_E6	0.4	15
OTDL-0250_E8	0.4	40
OTDL-2270_E1	1	22
OTDL-0000_E20	0.4	17
OTDL-0210_E21	0.6	37
OTDL-0060_E18	0.6	22
OTDL-0380_E2	0.4	22
OTDL-2440_E1	0.4	22
OTDL-0920_E18	0.5	17
OTDL-0170_E13	0.8	21

MEDICIONES	LONGITUD (m)	MOVIMIENTO DE TIERRAS			ACERO, HORMIGÓN Y ENCOFRADO EN ALETAS				
		Excavación (m³)	Relleno C12/15 (m³)	Relleno tierras procedentes de excavación (m³)	Encofrado visto (m²)	Encofrado ordinario (m²)	Pintura bituminosa (m²)	Hormigón (m³)	Acero (kg)
Tubo ø 400 mm	106.00	350.32	18.71	161.68	5.08	10.84	7.96	5.72	398.51
Tubo ø 500 mm	15.00	57.12	3.00	3.00	0.00	0.00	0.00	0.00	0.00
Tubo ø 600 mm	55.00	218.30	11.28	144.55	7.48	14.52	11.00	11.04	769.16

MEDICIONES AUXILIARES DRENAJE LONGITUDINAL									
Tubo ø 800 mm	19.00	92.19	4.65	4.00	18.74	36.74	27.74	0.00	0.00
Tubo ø 1000 mm	20.00	119.24	5.53	80.96	6.18	11.38	8.78	11.24	783.09
TOTAL	0.00	837.17	43.16	394.19	37.47	73.47	55.47	28.00	1950.76

MEDICIONES AUXILIARES DRENAJE LONGITUDINAL

Colectores

Nombre colector	Diámetro interior (m)	Longitud (m)
CO_1010_E2_MI	0.8	210
CO_0190_E2_MD (1)	0.8	406
CO_0190_E2_MD (2)	1.4	637
CO_0300_E20_MD (1)	0.8	291
CO_0300_E20_MD (2)	1.2	7
CO_0300_E20_MD (3)	Marco 2x2	505
CO_0720_E20_MI	0.5	134
CO_0450_E18_MD	0.5	90
CO_0100_E21_MD	0.8	245
CO_0218_E19_MI	0.6	40.39
CO_0426_E19_MI	0.5	15
CO_1740_E1_MD	1	47
CO_0060_E6_MD	1.2	872
CO_2680_E1_MD	0.8	286

MEDICIONES	LONGITUD (m)	Volumen excavación (m3)	Volumen relleno grava arenosa (m3)	Volumen suelo seleccionado (m3)
Tubo ø 400 mm	0.00	0.00	0.00	0.00
Tubo ø 500 mm	239.00	508.10	302.43	138.09
Tubo ø 600 mm	40.39	103.32	61.01	25.87
Tubo ø 800 mm	1438.00	5091.76	2949.71	1101.19
Tubo ø 1000 mm	47.00	220.03	124.99	41.88
Tubo ø 1200 mm	879.00	5598.72	2931.40	1235.78
Tubo ø 1400 mm	637.00	4736.94	2597.58	727.31
TOTAL	0.00	16258.86	8967.13	3270.12

Bordillos en terraplén

Eje	P.K. Ini	P.K. Fin	L tramo (m)	Tipo
Eje12	0+000	0+080	80.00	2
Eje12	0+000	0+080	80.00	2
Eje12	0+192	0+285	93.00	2
Eje12	0+192	0+285	93.00	2

MEDICIONES	LONGITUD (m)
Tipo 1	0
Tipo 2	346

MEDICIONES AUXILIARES DRENAJE LONGITUDINAL

Caz

EJE	P.K. Ini	P.K. Fin	Margen	Ønominal	TRAMO (m)
Eje2_Calzada derecha	0+840	1+110	Mediana	500	270
Eje2_Calzada derecha	1+110	1+170	Mediana	400	60
Eje2_Calzada derecha	1+170	1+220	Mediana	400	50
Eje2_Calzada derecha	0+085	0+190	Derecha	400	105
Eje2_Calzada derecha	0+560	0+700	Derecha	500	140
Eje2_Calzada derecha	0+700	0+840	Derecha	500	140
Eje19_Ramal Calz_der_Via lateral derecha	0+130	0+250	Izquierda	500	120
Eje19_Ramal Calz_der_Via lateral derecha	0+250	0+327	Izquierda	400	77
Eje19_Ramal Calz_der_Via lateral derecha	0+327	0+427	Izquierda	500	100
Eje20_Ramal CV35 (A) CD	0+680	0+863	Derecha	400	183
Eje18_Calzada lateral derecha	0+510	0+540	Derecha	400	30
Eje18_Calzada lateral derecha	0+750	0+920	Izquierda	500	170
Eje21_Ramal CV35(A) calzada lat.derch.	0+100	0+230	Derecha	500	130
Eje21_Ramal CV35(A) calzada lat.derch.	0+230	0+330	Derecha	500	100
Eje18_calzada latetral derecha	1+290	1+380	Izquierda	400	90
Eje1_Calzada Izquierda	2+500	2+580	Derecha	400	80
Eje8_Ramal CV-35-CLI	0+000	0+106	Derecha	400	106
Eje17_Ramal CV-35-CLD	0+000	0+120	Derecha	400	120
Eje18_CLD	0+000	0+170	Derecha	400	170
Eje20_Ramal CV-35(A) CD	0+300	0+470	Derecha	400	170

MEDICIONES	LONGITUD (m)
Caz ø 400	1241
Caz ø 500	1170

MEDICIONES AUXILIARES DRENAJE LONGITUDINAL

Subtramo ODT 1220 - V30 (subtramo Barranco La Fuente)

Drenaje Longitudinal: cunetas de desmonte

EJE	PK inicio	PK final	Margen	Longitud (m)	Tipo de cuneta
Eje 4	1+240	1+020	Izda	220	Tipo II
Eje 4	0+920	0+800	Dcha	120	Tipo I
Eje 4	0+790	0+650	Dcha	140	Tipo I
Eje 4	0+650	0+580	Dcha	70	Tipo I
Eje 1	1+200	1+290	Dcha	90	Tipo I
Eje 1	1+230	1+425	Izda	195	Tipo II
Eje 1	1+425	1+510	Izda	85	Tipo II
Eje 1	1+510	1+760	Izda	250	Tipo II
Eje 1	1+760	2+220	Izda	460	Tipo II
Eje 1	2+480	2+200	Izda	280	Tipo I
Eje 18	1+420	1+580	Dcha	160	Tipo I
Eje 37 - Camino	0+360	0+440	Izda	80	Tipo I
Eje 37 - Camino	0+620	0+580	Izda	40	Tipo I
Eje 37 - Camino	0+620	0+700	Izda	80	Tipo I
Eje 37 - Camino	0+360	0+440	Dcha	80	Tipo I
Eje 37 - Camino	0+580	0+800	Dcha	220	Tipo I
Eje 37 - Camino	1+060	0+900	Dcha	160	Tipo I
Eje 37 - Camino	1+060	1+200	Dcha	140	Tipo I

MEDICIONES	LONGITUD (m)	SUPERFICIE (m²)	VOLUMEN HM-20 (m³)
Tipo I	1660.00	0.20	335.32
Tipo II	1210.00	0.51	614.68

Drenaje Longitudinal: Cunetas pie terraplén

EJE	PK inicio	PK final	Margen	Longitud (m)
Eje 18	1+420	1+370	Dcha	50
Eje 31 - Eje 66	0+000	0+000	Izq - Dcha	304.93
Eje 63	0+000	0+348	Dcha	348
Eje 63	0+359	0+348	Dcha	10.7
Eje 63	0+359	0+471	Dcha	112.3
Eje 63	0+493	0+471	Dcha	22
Eje 63	0+493	0+536	Dcha	43
Eje 63	0+620	0+536	Dcha	84
Eje 63	0+620	0+740	Dcha	120
Eje 63	0+775	0+740	Dcha	35
Eje 63	0+775	0+840	Dcha	65
Eje 63	0+950	0+840	Dcha	110
Eje 63	1+120	0+950	Dcha	170
Eje 63	1+120	1+340	Dcha	220
Eje 63	1+450	1+340	Dcha	110
Eje 63	0+000	0+600	Izq	600
Eje 63	0+700	0+600	Izq	100
Eje 63	0+700	0+917	Izq	217
Eje 66	0+000	0+162	Dcha	162

MEDICIONES	LONGITUD (m)	SUPERFICIE (m²)	VOLUMEN (m³)
Tipo I	2883.93	0.17	501.80
Total	2883.93	0.17	501.80

MEDICIONES AUXILIARES DRENAJE LONGITUDINAL

Drenaje Longitudinal: Cunetas coronación de desmonte

EJE	PK inicio	PK final	Margen	Longitud (m)
Eje 18 - Eje 1	1+250	1+500	Dcha	250
Eje 18 - Eje 1	2+290	2+200	Dcha	90
Eje 18 - Eje 1	2+290	2+500	Dcha	210

MEDICIONES	LONGITUD (m)	SUPERFICIE (m²)	VOLUMEN (m³)
Tipo II	550.00	0.27	147.40
Total	550.00	0.27	147.40

Obras transversales de drenaje longitudinal (OTDL)

OTDL	Diámetro	Longitud
OTDL-0805_E4	0.5	16
OTDL-0485_E4	0.4	16
OTDL-0530_E3	0.4	16
OTDL-0520_E2	0.5	16
OTDL-0349_E63	0.6	16
OTDL-0481_E63	0.6	16
OTDL-0740_E63	0.6	16
OTDL-0840_E63	0.6	16
OTDL-0998_E63	0.6	16
OTDL-1215_E63	0.6	16
OTDL-1330_E63	1.2	16
OTDL-0012_E33	1.2	15
OTDL-0075_E33	0.6	11
Eje 66 - pK 0+055	0.6	6
Eje 63 - pK 0+880	0.6	19

MEDICIONES	LONGITUD (m)	MOVIMIENTO DE TIERRAS			ACERO, HORMIGÓN Y ENCOFRADO EN ALETAS				
		Excavación (m³)	Relleno HM-20 (m³)	Relleno tierras procedentes de excavación (m³)	Encofrado visto (m²)	Encofrado ordinario (m²)	Pintura bituminosa (m²)	Hormigón (m³)	Acero (kg)
Tubo ø 400 mm	32.00	96.64	5.16	70.08	5.08	10.84	7.96	11.44	797.02
Tubo ø 500 mm	32.00	107.52	5.64	74.24	6.28	12.68	9.48	13.12	914.07
Tubo ø 600 mm	96.00	355.20	18.36	235.20	22.44	43.56	33.00	44.16	3076.63
Tubo ø 800 mm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tubo ø 1000 mm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tubo ø 1200 mm	16.00	59.20	3.06	39.20	3.74	7.26	5.50	7.36	512.77
TOTAL	0.00	559.36	29.16	379.52	33.80	67.08	50.44	68.72	4787.72

MEDICIONES AUXILIARES DRENAJE LONGITUDINAL

Colectores

Nombre colector	Diámetro interior (m)	Longitud (m)
CO_1270_E1_MD	0.5	90
CO_1425_E1_MI	0.6	85
CO_0650_E4_MD	0.6	165
	0.8	185
CO_1860_E1_MD	0.6	250
	0.8	110
CO_0230_E4_MI	0.5	73
CO_0780_E3_MI	0.6	197
CO_1130_E2_MI	0.6	230
CO_2480_E1_MD	0.6	270
CO_2240_E1_MI	0.6	140
	0.8	120
CO_0020_E3_MD	1	230
CO_0020_E2_MD	0.6	230
CO_2860_E1_MI	0.6	235
	1	10
CO_2860_E1_MD	1	220
CO_0270_E3_MD	0.4	235
CO_0270_E2_MD	0.4	235
CO_2630_E1_MI	0.4	80
CO_2630_E1_MD	0.4	90
Reposición colector existente ø 1500 mm Paso inferior	1.5	118

MEDICIONES	LONGITUD (m)	Volumen excavación (m3)	Volumen relleno grava arenosa (m3)	Volumen suelo seleccionado (m3)
Tubo ø 400 mm	640.00	1109.26	663.77	329.67
Tubo ø 500 mm	163.00	346.53	206.26	94.18
Tubo ø 600 mm	1802.00	4609.70	2721.94	1154.08
Tubo ø 800 mm	415.00	1469.46	851.27	317.80
Tubo ø 1000 mm	460.00	2153.48	1223.32	409.91
Tubo ø 1500 mm	118.00	2390.59	528.00	142.12
TOTAL		12079.02	6194.57	2447.76

Bordillos en terraplén

Eje	P.K. Ini	P.K. Fin	L tramo (m)	Tipo
Eje11	0+020	0+060	40.00	2
Eje11	0+020	0+060	40.00	2
Eje11	0+180	0+280	100.00	2
Eje11	0+180	0+280	100.00	2

MEDICIONES	LONGITUD (m)
Tipo 1	0
Tipo 2	280

MEDICIONES AUXILIARES DRENAJE LONGITUDINAL

Caz

EJE	P.K. Ini	P.K. Fin	Margen	Ønominal	TRAMO (m)
Eje 1	1+220	1+425	Izquierda	400	205
Eje 1	1+425	1+510	Derecha	400	85
Eje 1	1+510	1+860	Derecha	500	350
Eje 1	1+860	2+110	Derecha	500	250
Eje 1	2+110	2+220	Derecha	500	110
Eje 1	2+220	2+240	Derecha	400	20
Eje 1	2+290	2+240	Derecha	400	50
Eje 1	2+240	2+360	Izquierda	400	120
Eje 1	2+480	2+360	Izquierda	400	120
Eje 1	2+480	2+300	Derecha	400	180
Eje 2	1+660	1+460	Izquierda	500	200
Eje 2	1+460	1+380	Izquierda	400	80
Eje 2	1+380	1+130	Izquierda	500	250
Eje 2	1+130	0+930	Izquierda	500	200
Eje 2	0+930	0+900	Izquierda	500	30
Eje 2	0+900	0+660	Izquierda	500	240
Eje 2	0+660	0+600	Izquierda	400	60
Eje 2	0+600	0+520	Derecha	400	80
Eje 4	1+280	1+020	Izquierda	400	260
Eje 4	1+020	0+805	Izquierda	400	215
Eje 4	0+520	0+485	Izquierda	400	35
Eje 4	0+300	0+485	Izquierda	500	185
Eje 4	0+050	0+230	Derecha	500	180
Eje 3	0+510	0+420	Derecha	400	90
Eje 3	0+510	0+534	Derecha	400	24
Eje 3	0+534	0+780	Izquierda	500	246

MEDICIONES	LONGITUD (m)
Caz ø 400	1624
Caz ø 500	2241

Señalización

Carretería										
Nombre elemento	Situación	Tipo carretera	tipo soporte	material	nº carteles	Retrorreflexión	ancho	alto	total	observaciones
F3-A7-323+160-CD-P1000	CD A7-pk 323+160	Autovía	pórtico	laminas aluminio	2	RA3-2A	8,400	4,550	38,22	Nueva salida hacia V-30 en la calzada derecha de la A-7 (sentido ALIC) Se numera la salida como 324. En el otro sentido, la salida es la 328 (deberían tener el mismo número, aunque actualmente no lo tienen).
							1,450	0,875	1,27	
							5,300	4,550	24,12	
F3-A7-323+600-CD-P500	CD A7-pk 323+600	Autovía	pórtico	laminas aluminio	2	RA3-2A	8,400	4,550	38,22	
							1,450	0,875	1,27	
							5,050	4,550	22,98	
F3-A7-324+160-CD-PSI	CD A7-pk 324+160	Autovía	pórtico	laminas aluminio	2	RA3-2A	8,400	4,550	38,22	
							1,450	0,875	1,27	
							4,000	4,550	18,20	
F3-A7-326+900-CI-PSI	CI A7-pk 326+900	Autovía	pórtico	laminas aluminio	2	RA3-2A	8,400	4,900	41,16	Nueva salida hacia CV-35 en la calzada izquierda de la A-7 (sentido BCN)
							1,450	0,875	1,27	
							3,150	4,900	15,44	
F3-A7-326+900-CI-PSI	CI A7-pk 326+900	Autovía	pórtico	laminas aluminio	2	RA3-2A	8,400	4,900	41,16	Nueva salida hacia CV-35 en la calzada izquierda de la A-7 (sentido BCN)
							1,450	0,875	1,27	
							3,150	4,900	15,44	
F3-A7-327+400-CI-P500	CI A7-pk 327+400	Autovía	pórtico	laminas aluminio	2	RA3-2A	8,400	4,900	41,16	Preaviso de 500 m de la nueva salida hacia CV-35 en la calzada izquierda de la A-7 (sentido BCN). Se sitúa al final del carril de salida de incorporación desde el centro COEX.
							1,450	0,875	1,27	
							4,700	4,900	23,03	
F3-A7-328+000-CI-B1000	CI A7-pk 328+000	Autovía	banderola	laminas aluminio	1	RA3-2A	4,700	4,900	23,03	Preaviso de 1000 m de la nueva salida hacia CV-35 en la calzada izquierda de la A-7 (sentido BCN). El pk 328 señalizado en la carretera corresponde en realidad al pk 327+700. Se sitúa sobre el carril de salida del centro COEX. Conviendría adelantarlo la BH existente separando el carril de deceleración del tronco (disponerlo unos 20 m antes de la banderaola), para evitar que los vehículos se salgan hacia el centro COEX por error.
F3-CLD-1+120-P1000	CLD-1+120	via lateral (convendonal)	pórtico	laminas aluminio	2	RA3-2B	4,100	3,325	13,63	
							1,750	0,700	1,23	
							1,100	0,700	0,77	
							4,700	3,325	15,63	
F3-CLD-1+500-P500	CLD-1+500	via lateral (convendonal)	pórtico	laminas aluminio	2	RA3-2B	4,100	3,325	13,63	
							1,550	0,700	1,09	
							1,100	0,700	0,77	
							4,700	3,325	15,63	
F3-CLD-2+020-PSI	CLD-2+020	via lateral (convendonal)	pórtico	laminas aluminio	2	RA3-2B	4,100	3,325	13,63	
							1,100	0,700	0,77	
							4,700	3,325	15,63	
F3-V30-CLI-0+860-B600	V30-CLI-0+860	via lateral (convendonal)	Banderola doble	laminas aluminio	2	RA3-2B	4,600	3,150	14,49	Se diseña banderola doble por problemas de instalación de pórtico
							1,600	0,700	1,12	
							1,100	0,700	0,77	
							1,600	0,700	1,12	
							2,400	3,150	7,56	
F3-V30-CLI-1+450-PSI	V30-CLI-1+450	via lateral (convendonal)	Pórtico 5 carriles	laminas aluminio	3	RA3-2B	8,200	3,850	31,57	
							1,100	0,700	0,77	
							6,250	3,850	24,06	
							1,100	0,700	0,77	
							3,150	3,850	12,13	
F3-CLI-2+020-P500	CLI-2+020	via lateral (convendonal)	Pórtico 3 carriles	laminas aluminio	3	RA3-2B	4,600	3,675	16,91	
							1,550	0,700	1,09	
							4,000	3,675	14,70	
							1,550	0,700	1,09	
							3,700	3,675	13,60	
							1,550	0,700	1,09	
F3-CLI-2+520-PSI	CLI-2+520	via lateral (convendonal)	Pórtico 3 carriles	laminas aluminio	3	RA3-2B	4,600	3,675	16,91	
							4,000	3,675	14,70	
							3,700	3,675	13,60	

Defensas

BARRERA	MEDICIÓN (m)
BARRERA HORMIGÓN SIMPLE H2BW1d0	10756
BARRERA HORMIGÓN DOBLE H2BW1d0	2125
BARRERA HORMIGÓN SIMPLE H2BW1d0.1	4514
BARRERA HORMIGÓN H4bBW3d0.1	1198
BARRERA METÁLICA H2AW4d1.2	2215
BARRERA METÁLICA H1AW3d0.9	5505
BARRERA METÁLICA + SPM H2AW5d1.4	552
BARRERA METÁLICA + SPM H1AW4d1.1	731
PRETIL H3BW2d0.5	437
PRETIL H3BW2d0	1216
PRETIL H4bBW2d0.3 BM	1185
BM DESMONTABLE H2BW3d0.3	120

Mediciones Generales

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
01	EXPLANACIÓN					
01.01	DEMOLICIONES					
301.0030	m³ DEMOLICIÓN DE FÁBRICA HORMIGÓN EN MASA					
Spc0010	s/ mediciones auxiliares	1.225,9890			1.225,9890	
Spc0010		548,4150			548,4150	
Spc0010		14,0400			14,0400	
Spc0010		1.043,2752			1.043,2752	
Spc0010		12,7600			12,7600	
						2.844,479
301.0040	m² DEMOLICIÓN DE FIRME O PAVIMENTO EXISTENTE					
Spc0010	s/ mediciones auxiliares	845,1000		3,0000	2.535,3000	
						2.535,300
301.0120	m LEVANTAMIENTO DE VALLAS METÁLICAS					
Spc0010	s/ mediciones auxiliares	4.439,36			4.439,36	
						4.439,360
301.0130	m LEVANTAMIENTO DE BARRERA METÁLICA BIONDA					
Spc0010	s/ mediciones auxiliares	7.740,00			7.740,00	
						7.740,000
301.0140	m²cmFRESADO DE PAVIMENTO BITUMINOSO O DE HORMIGÓN EXISTENTE					
Spc0010	s/ mediciones auxiliares	3.123,3000	33,3000	3,0000	312.017,6700	
						312.017,670
301.0110	m DEMOLICIÓN DE BORDILLO					
Spc0010	s/ mediciones auxiliares	1.313,68			1.313,68	
Spc0010		274,54			274,54	
						1.588,220
01.02	CALZADAS PRINCIPALES					
300.0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS					
Spc0010	s/ mediciones auxiliares	69.465,80			69.465,80	
						69.465,800
320.0010	m³ EXCAVACIÓN DE TIERRA VEGETAL					
Spc0010	s/ mediciones auxiliares	5.521,80			5.521,80	
						5.521,800
320.0020	m³ EXCAVACIÓN EN DESMONTE EN TIERRA CON MEDIOS MECÁNICOS SIN EXPLOSIVOS					
Spc0010	s/ mediciones auxiliares	159.584,00			159.584,00	
						159.584,000
320.0030	m³ EXCAVACIÓN EN DESMONTE EN TRÁNSITO CON MEDIOS MECÁNICOS SIN EXPLOSIVOS					
Spc0010	s/ mediciones auxiliares	1.906,70			1.906,70	
						1.906,700
320.0110	m³ EXCAVACIÓN EN DESMONTE EN ROCA CON MEDIOS MECÁNICOS SIN EXPLOSIVOS					
Spc0010	s/ mediciones auxiliares	476,70			476,70	
						476,700
330.0020	m3 TERRAPLÉN O PEDRAPLEN O RELLENO TODO-UNO CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN					
Spc0010	s/ mediciones auxiliares	68.717,0000			68.717,0000	
						68.717,000
330.0055	m³ SUELO SELECCIONADO PROCEDENTE DE YACIMIENTO GRANULAR O CANTERA PARA FORMACION DE EXPLANADA					
Spc0010	s/ mediciones auxiliares	25.525,90			25.525,90	
						25.525,900

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
512.0150	m³ SUELO ESTABILIZADO "IN SITU" CON CEMENTO, TIPO S-EST3, CON MATERIAL DE CANTERA					
Spc0010	s/ mediciones auxiliares		25.529,20			25.529,20
						25.529,200
531.0020	t EMULSIÓN C60B3 ADH EN RIEGOS DE ADHERENCIA O C60B3 CUR EN RIEGOS DE CURADO					
Spc0010	s/mediciones auxiliares (en suelo EST-3)	3,33	25.529,2000	0,5400	0,0100	459,0661
						459,066
202.0030	t CEMENTO PARA ESTABILIZACIÓN DE SUELOS, SUELOCEMENTO O GRAVACEMENTO					
Spc0010	s/mediciones auxiliares (en suelo EST-3)	2	0,0300	25.529,2000		1.531,7520
						1.531,752
800.0010	m³kmTRANSPORTE SUPLEMENTARIO DE CUALQUIER TIPO DE MATERIAL					
Spc0010	s/ mediciones auxiliares					
Spc0010	Excavaciones					
Spc0010	VERTEDERO IMEE (12 km de la traza)	7	22.743,30			159.203,10
Spc0010	Suelo Seleccionado y Estabilizado					
Spc0010	CANTERA CARASOLES (12 km de la traza)	7	25.525,90			178.681,30
Spc0010		7	25.529,20			178.704,40
						516.588,800
320.0090	m³ EXCAVACIÓN SUPLEMENTARIA EN RETALUZADO SIN EXPLOSIVOS					
Spc0010	s/ mediciones auxiliares					
Spc0010	Eje 1 (PK 2+200 - 2+400). Altura 8-11 m	0,3	40.334,10			12.100,23
						12.100,230
01.03	CALZADAS LATERALES					
300.0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS					
Spc0010	s/ mediciones auxiliares		66.894,30			66.894,30
Spc0010	Ampliación berma calzada lateral derecha		1.500,00	1,00		1.500,00
						68.394,300
320.0010	m³ EXCAVACIÓN DE TIERRA VEGETAL					
Spc0010	s/ mediciones auxiliares		14.363,70			14.363,70
						14.363,700
320.0020	m³ EXCAVACIÓN EN DESMONTE EN TIERRA CON MEDIOS MECÁNICOS SIN EXPLOSIVOS					
Spc0010	s/ mediciones auxiliares		79.049,00			79.049,00
						79.049,000
320.0030	m³ EXCAVACIÓN EN DESMONTE EN TRÁNSITO CON MEDIOS MECÁNICOS SIN EXPLOSIVOS					
Spc0010	s/ mediciones auxiliares		12.291,00			12.291,00
						12.291,000
320.0110	m³ EXCAVACIÓN EN DESMONTE EN ROCA CON MEDIOS MECÁNICOS SIN EXPLOSIVOS					
Spc0010	s/ mediciones auxiliares		2.076,10			2.076,10
						2.076,100
330.0020	m3 TERRAPLÉN O PEDRAPLEN O RELLENO TODO-UNO CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN					
Spc0010	s/ mediciones auxiliares		108.357,0000			108.357,0000
						108.357,000
330.0055	m³ SUELO SELECCIONADO PROCEDENTE DE YACIMIENTO GRANULAR O CANTERA PARA FORMACION DE EXPLANADA					
Spc0010	s/ mediciones auxiliares		17.018,20			17.018,20
						17.018,200
512.0150	m³ SUELO ESTABILIZADO "IN SITU" CON CEMENTO, TIPO S-EST3, CON MATERIAL DE CANTERA					
Spc0010	s/ mediciones auxiliares		18.157,80			18.157,80
						18.157,800

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
531.0020	t EMULSIÓN C60B3 ADH EN RIEGOS DE ADHERENCIA O C60B3 CUR EN RIEGOS DE CURADO					
Spc0010	s/mediciones auxiliares (en suelo EST-3)	3,33	18.157,8000	0,5400	0,0100	326,5136
						326,514
202.0030	t CEMENTO PARA ESTABILIZACIÓN DE SUELOS, SUELOCEMENTO O GRAVACEMENTO					
Spc0010	s/mediciones auxiliares (en suelo EST-3)	2	0,0300	18.157,8000		1.089,4680
						1.089,468
290.0130	m² REVESTIMIENTO VEGETATIVO DE TALUD CON GEOMALLA TRIDIMENSIONAL DE MONOFILAMENTOS SINTÉTICOS TERMOSOLDADOS, DE 20 A 22 mm DE ESPESES					
Spc0010	Para protección de taludes		453,00			453,00
						453,000
342.0040	m² PROTECCIÓN DE TALUDES CON MALLA METÁLICA, UNA DE TRIPLE TORSIÓN, PASO DE MALLA HASTA 80 mm Y DIÁMETRO HASTA 2,4 mm, ANCLADA CON					
Spc0010	Para protección de taludes		1.539,00			1.539,00
						1.539,000
800.0010	m³kmTRANSPORTE SUPLEMENTARIO DE CUALQUIER TIPO DE MATERIAL					
Spc0010	s/ mediciones auxiliares					
Spc0010	VERTEDERO IMEE (12 km de la traza)	7	5.945,70			41.619,90
Spc0010	Suelo Seleccionado y Estabilizado					
Spc0010	CANTERA CARASOLES (12 km de la traza)	7	17.018,20			119.127,40
Spc0010		7	18.157,80			127.104,60
						287.851,900
320.0090	m³ EXCAVACIÓN SUPLEMENTARIA EN RETALUZADO SIN EXPLOSIVOS					
Spc0010	s/ mediciones auxiliares					
Spc0010	Eje 18 (PK 0+560 - 0+660). Altura 8-11 m	0,3	3.376,00			1.012,80
						1.012,800

01.04	ENLACE CV-35
300.0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS
Spc0010	s/ mediciones auxiliares
	27.485,90
	27.485,90
	27.485,900
320.0010	m³ EXCAVACIÓN DE TIERRA VEGETAL
Spc0010	s/ mediciones auxiliares
	2.729,60
	2.729,60
	2.729,600
320.0020	m³ EXCAVACIÓN EN DESMONTE EN TIERRA CON MEDIOS MECÁNICOS SIN EXPLOSIVOS
Spc0010	s/ mediciones auxiliares
Spc0010	Descontar medición entre pantallas Eje 20
Spc0010	Muro 2 - 3
Spc0010	Muro 4 - 5
Spc0010	Pérgola 1
	-1 9.585,80
	-1 4.421,70
	-1 23.052,00
	-9.585,80
	-4.421,70
	-23.052,00
	41.355,700
320.0030	m³ EXCAVACIÓN EN DESMONTE EN TRÁNSITO CON MEDIOS MECÁNICOS SIN EXPLOSIVOS
Spc0010	s/ mediciones auxiliares
	25.977,50
	25.977,50
	25.977,500
320.0110	m³ EXCAVACIÓN EN DESMONTE EN ROCA CON MEDIOS MECÁNICOS SIN EXPLOSIVOS
Spc0010	s/ mediciones auxiliares
	4.104,00
	4.104,00
	4.104,000
330.0020	m3 TERRAPLÉN O PEDRAPLEN O RELLENO TODO-UNO CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN
Spc0010	s/ mediciones auxiliares
	32.441,2000
	32.441,2000
	32.441,200
330.0055	m³ SUELO SELECCIONADO PROCEDENTE DE YACIMIENTO GRANULAR O CANTERA PARA FORMACION DE EXPLANADA
Spc0010	s/ mediciones auxiliares
	6.326,00
	6.326,00
	6.326,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
512.0150	m³ SUELO ESTABILIZADO "IN SITU" CON CEMENTO, TIPO S-EST3, CON MATERIAL DE CANTERA					
Spc0010	s/ mediciones auxiliares		5.987,40			5.987,40
						5.987,400
531.0020	t EMULSIÓN C60B3 ADH EN RIEGOS DE ADHERENCIA O C60B3 CUR EN RIEGOS DE CURADO					
Spc0010	s/mediciones auxiliares (en suelo EST-3)	3,33	5.987,4000	0,5400	0,0100	107,6654
						107,665
202.0030	t CEMENTO PARA ESTABILIZACIÓN DE SUELOS, SUELOCEMENTO O GRAVACEMENTO					
Spc0010	s/mediciones auxiliares (en suelo EST-3)	2	0,0300	5.987,4000		359,2440
						359,244
800.0010	m³kmTRANSPORTE SUPLEMENTARIO DE CUALQUIER TIPO DE MATERIAL					
Spc0010	s/ mediciones auxiliares					
Spc0010	VERTEDERO IMEE (12 km de la traza)	7	7.147,90			50.035,30
Spc0010	Suelo Seleccionado y Estabilizado					
Spc0010	CANTERA CARASOLES (12 km de la traza)	7	6.326,00			44.282,00
Spc0010		7	5.987,40			41.911,80
						136.229,100
320.0090	m³ EXCAVACIÓN SUPLEMENTARIA EN RETALUZADO SIN EXPLOSIVOS					
Spc0010	s/ mediciones auxiliares					
Spc0010	Eje 20 (PK 0+560 - 0+660). Altura 8-11 m	0,3	41.355,70			12.406,71
						12.406,710

01.05	REPOSICIÓN DE CAMINOS
300.0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS
Spc0010	s/ mediciones auxiliares
	52.438,00
	52.438,00
	52.438,000
320.0020	m³ EXCAVACIÓN EN DESMONTE EN TIERRA CON MEDIOS MECÁNICOS SIN EXPLOSIVOS
Spc0010	s/ mediciones auxiliares
	31.585,80
	31.585,80
	31.585,800
330.0020	m3 TERRAPLÉN O PEDRAPLEN O RELLENO TODO-UNO CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN
Spc0010	s/ mediciones auxiliares
	30.169,4000
	30.169,4000
	30.169,400
330.0055	m³ SUELO SELECCIONADO PROCEDENTE DE YACIMIENTO GRANULAR O CANTERA PARA FORMACION DE EXPLANADA
Spc0010	s/ mediciones auxiliares
	15.810,20
	15.810,20
	15.810,200
512.0150	m³ SUELO ESTABILIZADO "IN SITU" CON CEMENTO, TIPO S-EST3, CON MATERIAL DE CANTERA
Spc0010	s/ mediciones auxiliares
	1.179,00
	1.179,00
	1.179,000
531.0020	t EMULSIÓN C60B3 ADH EN RIEGOS DE ADHERENCIA O C60B3 CUR EN RIEGOS DE CURADO
Spc0010	s/mediciones auxiliares (en suelo EST-3)
	3,33 1.179,0000 0,5400 0,0100 21,2008
	21,201
202.0030	t CEMENTO PARA ESTABILIZACIÓN DE SUELOS, SUELOCEMENTO O GRAVACEMENTO
Spc0010	s/mediciones auxiliares (en suelo EST-3)
	2 0,0300 1.179,0000 70,7400
	70,740
800.0010	m³kmTRANSPORTE SUPLEMENTARIO DE CUALQUIER TIPO DE MATERIAL
Spc0010	Suelo Seleccionado y Estabilizado
Spc0010	CANTERA CARASOLES (12 km de la traza)
Spc0010	
	7 15.810,20 110.671,40
	7 1.179,00 8.253,00
	118.924,400

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
330.0045	m³ SUELO ADECUADO PROCEDENTE DE YACIMIENTO GRANULAR O CANTERA PARA FORMACIÓN DE EXPLANADA					
Spc0010	s/ mediciones auxiliares		567,50		567,50	
						567,500
01.06	ENCAUZAMIENTO BARRANCO TRAVESSAT					
300.0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS					
Spc0010	s/ mediciones auxiliares		9.898,40		9.898,40	
						9.898,400
320.0010	m³ EXCAVACIÓN DE TIERRA VEGETAL					
Spc0010	s/ mediciones auxiliares		975,10		975,10	
						975,100
320.0020	m³ EXCAVACIÓN EN DESMONTE EN TIERRA CON MEDIOS MECÁNICOS SIN EXPLOSIVOS					
Spc0010	s/ mediciones auxiliares		38.747,20		38.747,20	
						38.747,200
320.0030	m³ EXCAVACIÓN EN DESMONTE EN TRÁNSITO CON MEDIOS MECÁNICOS SIN EXPLOSIVOS					
Spc0010	s/ mediciones auxiliares		9.686,80		9.686,80	
						9.686,800
800.0010	m³kmTRANSPORTE SUPLEMENTARIO DE CUALQUIER TIPO DE MATERIAL					
Spc0010	s/ mediciones auxiliares					
Spc0010	VERTEDERO IMEE (12 km de la traza)	7	1.781,00		12.467,00	
						12.467,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
02	DRENAJE					
02.01	DRENAJE TRANSVERSAL					
02.01.01	ODT 0170_E18					
02.01.01.01	TIERRAS					
300.0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS					
Spc0010	Marco	1	19,50	7,00		136,50
Spc0010	Aleta 1	1	6,92	5,00		34,60
Spc0010	Aleta 2	1	3,31	5,00		16,55
						187,650
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO					
Spc0010	Marco	1	19,00	6,50	1,00	123,50
Spc0010	Aleta 1	1	6,42	4,50	1,00	28,89
Spc0010	Aleta 2	1	2,81	4,50	1,00	12,65
						165,040
332.0050	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA					
Spc0010	Marco	1	19,00	6,50	1,00	123,50
Spc0010	Aleta 1	1	6,42	4,50	1,00	28,89
Spc0010	Aleta 2	1	2,81	4,50	1,00	12,65
Spc0010	Marco	-1	16,50	4,00	0,40	-26,40
Spc0010	Aleta 1	-1	5,42	2,50	0,50	-6,78
Spc0010	Aleta 2	-1	1,81	2,50	0,50	-2,26
						129,600
332.0010	m³ RELLENO LOCALIZADO CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR O CANTERA, TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN					
Spc0010	Cuña de transición	2	16,50	1,50	1,00	49,50
						49,500
330.0050	m³ SUELO SELECCIONADO PROCEDENTE DE PRÉSTAMO PARA FORMACIÓN DE EXPLANADA					
Spc0010	Cuña de transición	2	16,50	1,80	2,00	118,80
Spc0010		2	16,50	2,00	2,00	132,00
						250,800

02.01.01.02	ALZADOS+LOSAS					
301.0020	m³ DEMOLICIÓN DE FÁBRICA HORMIGÓN ARMADO					
Spc0010	ALETA 1 Alzado	1	3,92	0,40	2,70	4,23
Spc0010	ALETA 2 Alzado	1	0,31	0,40	2,70	0,33
Spc0010	ALETA 1 cimentación	1	3,92	2,00	0,50	3,92
Spc0010	ALETA 2 cimentación	1	0,31	2,00	0,50	0,31
						8,790
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	Dintel	1	16,50	4,00	0,50	33,00
Spc0010	Hastiales	2	16,50	0,50	2,00	33,00
Spc0010	ALETA 1 Alzado	1	3,92	0,40	2,70	4,23
Spc0010	ALETA 2 Alzado	1	0,31	0,40	2,70	0,33
						70,560
610.0060	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS					
Spc0010	MARCO Losa	1	16,50	4,00	0,50	33,00
Spc0010	ALETA 1	1	3,92	2,00	0,50	3,92
Spc0010	ALETA 2	1	0,31	2,00	0,50	0,31
						37,230
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	Dintel	1	33,00	100,00		3.300,00
Spc0010	Losa	1	33,00	100,00		3.300,00
Spc0010	Hastiales	1	33,00	100,00		3.300,00
Spc0010	Aletas	1	8,80	80,00		704,00

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
						10.604,000
610.0010	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA					
Spc0010	MARCO Losa	1	16,50	4,00	0,10	6,60
Spc0010	ALETA 1	1	3,92	2,00	0,10	0,78
Spc0010	ALETA 2	1	0,31	2,00	0,10	0,06
						7,440
680.0010	m² ENCOFRADO OCULTO PLANO					
Spc0010	Losa	2		4,00	0,50	4,00
Spc0010	Hastiales	2	16,50		3,00	99,00
Spc0010	Aleta 1- Alzado	1	3,92		2,70	10,58
Spc0010	Aleta 1- Cimiento	2	3,92		0,50	3,92
Spc0010	Aleta 1- Cimiento	1		2,00	0,50	1,00
Spc0010	Aleta 2- Alzado	1	0,31		2,70	0,84
Spc0010	Aleta 2- Cimiento	2	0,31		0,50	0,31
Spc0010	Aleta 2- Cimiento	1		2,00	0,50	1,00
						120,650
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010	Dintel	1	16,50	3,00		49,50
Spc0010	Dintel	2		4,00	0,50	4,00
Spc0010	Hastiales	2	16,50		2,00	66,00
Spc0010	Hastiales	4		0,50	2,00	4,00
Spc0010	Aleta 1- Alzado	1	3,92		2,70	10,58
Spc0010	Aleta 1- Alzado	1		0,40	2,70	1,08
Spc0010	Aleta 2- Alzado	1	0,31		2,70	0,84
Spc0010	Aleta 2- Alzado	1		0,40	2,70	1,08
						137,080
690.0050	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA					
Spc0010	Hastiales	2	16,50		3,00	99,00
Spc0010	Aleta 1- Alzado	1	3,92		2,70	10,58
Spc0010	Aleta 2- Alzado	1	0,31		2,70	0,84
						110,420
290.0040	m² SUMINISTRO Y COLOCACIÓN DE GEOTEXTIL NO TEJIDO TIPO 4 COMO FILTRO					
Spc0010	Hastiales	2	16,50		3,00	99,00
Spc0010	Aleta 1- Alzado	1	3,92		2,70	10,58
Spc0010	Aleta 2- Alzado	1	0,31		2,70	0,84
						110,420
681.0010	m³ CIMBRA CUAJADA					
Spc0010	Dintel	1	16,50	3,00	2,00	99,00
						99,000
690.0070	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP					
Spc0010	Dintel	1	16,50	4,00		66,00
Spc0010	Losa	2		3,00	0,50	3,00
Spc0010	Aleta 1- Cimentación	1	3,92	2,00		7,84
Spc0010		2	3,92	0,40		3,14
Spc0010		1	2,00	0,40		0,80
Spc0010	Aleta 2- Cimentación	1	0,31	2,00		0,62
Spc0010		1	0,31	0,40		0,12
Spc0010		1	2,00	0,40		0,80
						82,320

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
02.01.02	ODT 0170_E18_1					
02.01.02.01	TIERRAS					
300.0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS					
Spc0010	Marco	1	17,55	7,00		122,85
Spc0010	Aleta 1	1	5,34	5,00		26,70
Spc0010	Aleta 2	1	8,70	5,00		43,50
						193,050
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMENTOS EN TIERRA O TRÁNSITO					
Spc0010	Marco	1	17,05	6,50	1,00	110,83
Spc0010	Aleta 1	1	4,84	4,50	1,00	21,78
Spc0010	Aleta 2	1	8,20	4,50	1,00	36,90
						169,510
332.0050	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA					
Spc0010	Marco	1	17,05	6,50	1,00	110,83
Spc0010	Aleta 1	1	4,84	4,50	1,00	21,78
Spc0010	Aleta 2	1	8,20	4,50	1,00	36,90
Spc0010	Marco	-1	14,55	4,00	0,40	-23,28
Spc0010	Aleta 1	-1	3,84	2,50	0,50	-4,80
Spc0010	Aleta 2	-1	7,20	2,50	0,50	-9,00
						132,430
332.0010	m³ RELLENO LOCALIZADO CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR O CANTERA, TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN					
Spc0010	Cuña de transición	2	14,55	1,50	1,00	43,65
						43,650
330.0050	m³ SUELO SELECCIONADO PROCEDENTE DE PRÉSTAMO PARA FORMACIÓN DE EXPLANADA					
Spc0010	Cuña de transición	2	14,55	1,80	2,00	104,76
Spc0010		2	14,55	2,00	2,00	116,40
						221,160
02.01.02.02	ALZADOS + LOSAS					
301.0020	m³ DEMOLICIÓN DE FÁBRICA HORMIGÓN ARMADO					
Spc0010	ALETA 1 Alzado	1	2,34	0,40	2,70	2,53
Spc0010	ALETA 2 Alzado	1	5,70	0,40	2,70	6,16
Spc0010	ALETA 1 cimentación	1	2,34	2,00	0,50	2,34
Spc0010	ALETA 2 cimentación	1	5,70	2,00	0,50	5,70
						16,730
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	Dintel	1	14,55	4,00	0,50	29,10
Spc0010	Hastiales	2	14,55	0,50	2,00	29,10
Spc0010	ALETA 1 Alzado	1	2,34	0,40	2,70	2,53
Spc0010	ALETA 2 Alzado	1	5,70	0,40	2,70	6,16
						66,890
610.0060	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS					
Spc0010	MARCO Losa	1	14,55	4,00	0,50	29,10
Spc0010	ALETA 1	1	2,34	2,00	0,50	2,34
Spc0010	ALETA 2	1	5,70	2,00	0,50	5,70
						37,140
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	Dintel	1	29,10	100,00		2.910,00
Spc0010	Losa	1	29,10	100,00		2.910,00
Spc0010	Hastiales	1	29,10	100,00		2.910,00
Spc0010	Aletas	1	16,72	80,00		1.337,60
						10.067,600

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
610.0010	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA					
Spc0010	MARCO Losa	1	14,55	4,00	0,10	5,82
Spc0010	ALETA 1	1	2,34	2,00	0,10	0,47
Spc0010	ALETA 2	1	5,70	2,00	0,10	1,14
						7,430
680.0010	m² ENCOFRADO OCULTO PLANO					
Spc0010	Losa	2		4,00	0,50	4,00
Spc0010	Hastiales	2	14,55		3,00	87,30
Spc0010	Aleta 1- Alzado	1	2,34		2,70	6,32
Spc0010	Aleta 1- Cimiento	2	2,34		0,50	2,34
Spc0010	Aleta 1- Cimiento	1		2,00	0,50	1,00
Spc0010	Aleta 2- Alzado	1	5,70		2,70	15,39
Spc0010	Aleta 2- Cimiento	2	5,70		0,50	5,70
Spc0010	Aleta 2- Cimiento	1		2,00	0,50	1,00
						123,050
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010	Dintel	1	14,55	3,00		43,65
Spc0010	Dintel	2		4,00	0,50	4,00
Spc0010	Hastiales	2	14,55		2,00	58,20
Spc0010	Hastiales	4		0,50	2,00	4,00
Spc0010	Aleta 1- Alzado	1	2,34		2,70	6,32
Spc0010	Aleta 1- Alzado	1		0,40	2,70	1,08
Spc0010	Aleta 2- Alzado	1	5,70		2,70	15,39
Spc0010	Aleta 2- Alzado	1		0,40	2,70	1,08
						133,720
690.0050	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA					
Spc0010	Hastiales	2	14,55	3,00		87,30
Spc0010	Aleta 1- Alzado	1	2,34		2,70	6,32
Spc0010	Aleta 2- Alzado	1	5,70		2,70	15,39
						109,010
290.0040	m² SUMINISTRO Y COLOCACIÓN DE GEOTEXTIL NO TEJIDO TIPO 4 COMO FILTRO					
Spc0010	Hastiales	2	14,55	3,00		87,30
Spc0010	Aleta 1- Alzado	1	2,34		2,70	6,32
Spc0010	Aleta 2- Alzado	1	5,70		2,70	15,39
						109,010
681.0010	m³ CIMBRA CUAJADA					
Spc0010	Dintel	1	14,55	3,00	2,00	87,30
						87,300
690.0070	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP					
Spc0010	Dintel	1	14,55	4,00		58,20
Spc0010	Losa	2		3,00	0,50	3,00
Spc0010	Aleta 1- Cimentación	1	2,34	2,00		4,68
Spc0010		2	2,34	0,40		1,87
Spc0010		1	2,00	0,40		0,80
Spc0010	Aleta 2- Cimentación	1	5,70	2,00		11,40
Spc0010		1	5,70	0,40		2,28
Spc0010		1	2,00	0,40		0,80
						83,030

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
02.01.03	ODT 1220					
02.01.03.01	TIERRAS					
300.0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS					
Spc0010	Marco1	1	11,06	7,65		84,61
Spc0010	Aleta 11	1	11,11	5,00		55,55
Spc0010	Aleta 12	1	6,32	5,00		31,60
Spc0010	Marco2	1	57,70	10,80		623,16
Spc0010	Aleta 21	1	11,21	5,00		56,05
Spc0010	Aleta 22	1	5,22	5,00		26,10
						877,070
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMENTOS EN TIERRA O TRÁNSITO					
Spc0010	Marco1	1	10,56	7,15	1,00	75,50
Spc0010	Aleta 11	1	10,61	4,50	1,00	47,75
Spc0010	Aleta 12	1	5,82	4,50	1,00	26,19
Spc0010	Marco2	1	57,10	10,20	1,00	582,42
Spc0010	Aleta 21	1	10,71	4,50	1,00	48,20
Spc0010	Aleta 22	1	4,72	4,50	1,00	21,24
						801,300
332.0050	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA					
Spc0010	Marco1	1	10,56	7,15	1,00	75,50
Spc0010	Aleta 11	1	10,61	4,50	1,00	47,75
Spc0010	Aleta 12	1	5,82	4,50	1,00	26,19
Spc0010	Marco1	-1	8,06	4,65	0,40	-14,99
Spc0010	Aleta 11	-1	9,61	2,50	0,50	-12,01
Spc0010	Aleta 12	-1	4,82	2,50	0,50	-6,03
Spc0010	Marco2	1	57,10	10,20	1,00	582,42
Spc0010	Aleta 21	1	10,71	4,50	1,00	48,20
Spc0010	Aleta 22	1	4,72	4,50	1,00	21,24
Spc0010	Marco2	-1	54,50	7,60	0,40	-165,68
Spc0010	Aleta 21	-1	9,71	2,50	0,50	-12,14
Spc0010	Aleta 22	-1	3,72	2,50	0,50	-4,65
						585,800
332.0010	m³ RELLENO LOCALIZADO CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR O CANTERA, TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN					
Spc0010	Cuña de transición1	2	8,06	1,50	1,00	24,18
Spc0010	Cuña de transición2	2	54,50	1,50	1,07	174,95
						199,130
330.0050	m³ SUELO SELECCIONADO PROCEDENTE DE PRÉSTAMO PARA FORMACIÓN DE EXPLANADA					
Spc0010	Cuña de transición1	2	8,06	1,80	2,00	58,03
Spc0010		2	8,06	2,00	2,00	64,48
Spc0010	Cuña de transición2	2	54,50	1,80	2,13	417,91
Spc0010		2	54,50	2,13	2,13	494,52
						1.034,940
02.01.03.02	ALZADO + LOSAS					
301.0020	m³ DEMOLICIÓN DE FÁBRICA HORMIGÓN ARMADO					
Spc0010	ALETA 1 Alzado	1	8,11	0,40	2,70	8,76
Spc0010	ALETA 2 Alzado	1	3,32	0,40	2,70	3,59
Spc0010	ALETA 1 cimentación	1	8,11	2,00	0,50	8,11
Spc0010	ALETA 2 cimentación	1	3,32	2,00	0,50	3,32
Spc0010	ALETA 3 Alzado	1	8,21	0,40	2,70	8,87
Spc0010	ALETA 4 Alzado	1	2,22	0,40	2,70	2,40
Spc0010	ALETA 3 cimentación	1	8,21	2,00	0,50	8,21
Spc0010	ALETA 4 Alzado	1	2,22	0,40	2,70	2,40
Spc0010	Demolición hastiales	3	1,50	2,00	0,50	4,50
Spc0010	Demolición dintel y losa	2	1,50	2,00	0,50	3,00
						53,160

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	Dintel1	1	8,06	4,65	0,50	18,74
Spc0010	Hastiales1	2	8,06	0,50	2,00	16,12
Spc0010	ALETA 11 Alzado	1	8,11	0,40	2,70	8,76
Spc0010	ALETA 12 Alzado	1	3,32	0,40	2,70	3,59
Spc0010	Dintel2	1	54,50	7,60	0,60	248,52
Spc0010	Hastiales2	2	54,50	0,50	2,00	109,00
Spc0010	ALETA 21 Alzado	1	8,21	0,40	2,70	8,87
Spc0010	ALETA 22 Alzado	1	2,22	0,40	2,70	2,40
Spc0010	Hastial intermedio	1	54,50	0,50	2,00	54,50
Spc0010	Arqueta	1	2,60	2,60	5,00	33,80
Spc0010	Arqueta	-1	2,00	2,00	4,70	-18,80
						485,500
610.0060	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS					
Spc0010	MARCO1 Losa	1	8,06	4,65	0,50	18,74
Spc0010	ALETA 11	1	8,11	2,00	0,50	8,11
Spc0010	ALETA 12	1	3,32	2,00	0,50	3,32
Spc0010	MARCO2 Losa	1	54,50	7,60	0,60	248,52
Spc0010	ALETA 21	1	8,21	2,00	0,50	8,21
Spc0010	ALETA 22	1	2,22	2,00	0,50	2,22
						289,120
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	Dintel1	1	18,74	100,00		1.874,00
Spc0010	Losa1	1	18,74	100,00		1.874,00
Spc0010	Hastiales1	1	16,12	100,00		1.612,00
Spc0010	Aletas1	1	23,77	80,00		1.901,60
Spc0010	Dintel2	1	248,52	100,00		24.852,00
Spc0010	Losa2	1	248,52	100,00		24.852,00
Spc0010	Hastiales2	1	109,00	100,00		10.900,00
Spc0010	Aletas2	1	21,69	80,00		1.735,20
Spc0010	Hastial intermedio	1	54,50	100,00		5.450,00
Spc0010	Aqueta	1	15,00	80,00		1.200,00
						76.250,800
610.0010	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA					
Spc0010	MARCO1 Losa	1	8,06	4,65	0,10	3,75
Spc0010	ALETA 11	1	8,11	2,00	0,10	1,62
Spc0010	ALETA 12	1	3,32	2,00	0,10	0,66
Spc0010	MARCO2 Losa	1	54,50	7,60	0,10	41,42
Spc0010	ALETA 21	1	8,21	2,00	0,10	1,64
Spc0010	ALETA 22	1	2,22	2,00	0,10	0,44
						49,530
680.0010	m² ENCOFRADO OCULTO PLANO					
Spc0010	Losa1	2		4,65	0,50	4,65
Spc0010	Hastiales1	2	8,06		3,00	48,36
Spc0010	Aleta 11- Alzado	1	8,11		2,70	21,90
Spc0010	Aleta 11- Cimiento	2	8,11		0,50	8,11
Spc0010	Aleta 11- Cimiento	1		2,00	0,50	1,00
Spc0010	Aleta 12- Alzado	1	3,32		2,70	8,96
Spc0010	Aleta 12- Cimiento	2	3,32		0,50	3,32
Spc0010	Aleta 12- Cimiento	1		2,00	0,50	1,00
Spc0010	Losa2	2		7,60	0,60	9,12
Spc0010	Hastiales2	2	54,50		3,20	348,80
Spc0010	Aleta 21- Alzado	1	8,21		2,70	22,17
Spc0010	Aleta 21- Cimiento	2	8,21		0,50	8,21
Spc0010	Aleta 21- Cimiento	1		2,00	0,50	1,00
Spc0010	Aleta 22- Alzado	1	2,22		2,70	5,99
Spc0010	Aleta 22- Cimiento	2	2,22		0,50	2,22
Spc0010	Aleta 22- Cimiento	1		2,00	0,50	1,00
Spc0010	Arqueta	4	2,60		5,00	52,00
Spc0010	Arqueta	4	2,00		4,70	37,60
						585,410

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010	Dintel1	1	8,06	3,65		29,42
Spc0010	Dintel1	2		4,65	0,50	4,65
Spc0010	Hastiales1	2	8,06		2,00	32,24
Spc0010	Hastiales1	4		0,50	2,00	4,00
Spc0010	Aleta 11- Alzado	1	8,11		2,70	21,90
Spc0010	Aleta 11- Alzado	1		0,40	2,70	1,08
Spc0010	Aleta 12- Alzado	1	3,32		2,70	8,96
Spc0010	Aleta 12- Alzado	1		0,40	2,70	1,08
Spc0010	Dintel2	1	54,50	6,60		359,70
Spc0010	Dintel2	2		7,60	0,60	9,12
Spc0010	Hastiales2	2	54,50		2,00	218,00
Spc0010	Hastiales2	4		0,50	2,00	4,00
Spc0010	Aleta 21- Alzado	1	8,21		2,70	22,17
Spc0010	Aleta 21- Alzado	1		0,40	2,70	1,08
Spc0010	Aleta 22- Alzado	1	2,22		2,70	5,99
Spc0010	Aleta 22- Alzado	1		0,40	2,70	1,08
						724,470
690.0050	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA					
Spc0010	Hastiales1	2	8,06		3,00	48,36
Spc0010	Aleta 11- Alzado	1	8,11		2,70	21,90
Spc0010	Aleta 12- Alzado	1	3,32		2,70	8,96
Spc0010	Hastiales2	2	54,50		3,20	348,80
Spc0010	Aleta 21- Alzado	1	8,21		2,70	22,17
Spc0010	Aleta 22- Alzado	1	2,22		2,70	5,99
Spc0010	Arqueta	4	2,60		5,00	52,00
						508,180
290.0040	m² SUMINISTRO Y COLOCACIÓN DE GEOTEXTIL NO TEJIDO TIPO 4 COMO FILTRO					
Spc0010	Hastiales1	2	8,06		3,00	48,36
Spc0010	Aleta 11- Alzado	1	8,11		2,70	21,90
Spc0010	Aleta 12- Alzado	1	3,32		2,70	8,96
Spc0010	Hastiales2	2	54,50		3,20	348,80
Spc0010	Aleta 21- Alzado	1	8,21		2,70	22,17
Spc0010	Aleta 22- Alzado	1	2,22		2,70	5,99
						456,180
681.0010	m³ CIMBRA CUAJADA					
Spc0010	Dintel1	1	8,06	3,65	2,00	58,84
Spc0010	Dintel2	1	54,50	6,60	2,00	719,40
						778,240
690.0070	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP					
Spc0010	Dintel1	1	8,06	4,65		37,48
Spc0010	Losa1	2		3,00	0,50	3,00
Spc0010	Aleta 11- Cimentación	1	8,11	2,00		16,22
Spc0010		2	8,11	0,40		6,49
Spc0010		1	2,00	0,40		0,80
Spc0010	Aleta 22- Cimentación	1	3,32	2,00		6,64
Spc0010		1	3,32	0,40		1,33
Spc0010		1	2,00	0,40		0,80
Spc0010	Dintel2	1	54,50	7,60		414,20
Spc0010	Losa2	2		3,20	0,60	3,84
Spc0010	Aleta 21- Cimentación	1	8,21	2,00		16,42
Spc0010		2	8,21	0,40		6,57
Spc0010		1	2,00	0,40		0,80
Spc0010	Aleta 22- Cimentación	1	2,22	2,00		4,44
Spc0010		1	2,22	0,40		0,89
Spc0010		1	2,00	0,40		0,80
						520,720

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
02.01.04	ODT 1220_D					
02.01.04.01	TIERRAS					
300.0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS					
Spc0010	Marco	1	23,00	10,80		248,40
Spc0010	Aleta1	1	9,16	5,00		45,80
Spc0010	Aleta2	1	5,56	5,00		27,80
Spc0010	Aleta3	1	4,65	5,00		23,25
Spc0010	Aleta4	1	2,60	5,00		13,00
						358,250
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO					
Spc0010	Marco	1	23,00	10,20	1,00	234,60
Spc0010	Aleta1	1	8,16	4,50	1,00	36,72
Spc0010	Aleta2	1	4,56	4,50	1,00	20,52
Spc0010	Aleta3	1	3,65	4,50	1,00	16,43
Spc0010	Aleta4	1	1,60	4,50	1,00	7,20
						315,470
332.0050	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA					
Spc0010	Marco	1	23,00	10,20	1,00	234,60
Spc0010	Aleta1	1	8,16	4,50	1,00	36,72
Spc0010	Aleta2	1	4,56	4,50	1,00	20,52
Spc0010	Aleta3	1	3,65	4,50	1,00	16,43
Spc0010	Aleta4	1	1,60	4,50	1,00	7,20
Spc0010	Marco	-1	23,00	7,60	0,40	-69,92
Spc0010	Aleta1	-1	7,16	2,50	0,50	-8,95
Spc0010	Aleta2	-1	3,56	2,50	0,50	-4,45
Spc0010	Aleta3	-1	2,65	2,50	0,50	-3,31
Spc0010	Aleta4	-1	0,60	2,50	0,50	-0,75
						228,090
332.0010	m³ RELLENO LOCALIZADO CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR O CANTERA, TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓ					
Spc0010	Cuña de transición	2	23,00	1,50	1,07	73,83
						73,830
330.0050	m³ SUELO SELECCIONADO PROCEDENTE DE PRÉSTAMO PARA FORMACIÓN DE EXPLANADA					
Spc0010	Cuña de transición	2	23,00	1,80	2,13	176,36
Spc0010		2	23,00	2,13	2,13	208,70
						385,060
02.01.04.02	ALZADO + LOSAS					
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	Dintel	1	23,00	7,60	0,60	104,88
Spc0010	Hastiales	2	23,00	0,50	2,00	46,00
Spc0010	Hastial intermedio	1	23,00	0,50	2,00	23,00
Spc0010	ALETA 1 Alzado	1	7,16	0,40	2,70	7,73
Spc0010	ALETA 2 Alzado	1	3,56	0,40	2,70	3,84
Spc0010	ALETA 3 Alzado	1	2,65	0,40	2,70	2,86
Spc0010	ALETA 4 Alzado	1	0,60	0,40	2,70	0,65
						188,960
610.0060	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS					
Spc0010	MARCO Losa	1	23,00	7,60	0,60	104,88
Spc0010	ALETA 1	1	7,16	2,00	0,50	7,16
Spc0010	ALETA 2	1	3,56	2,00	0,50	3,56
Spc0010	ALETA 3	1	2,65	2,00	0,50	2,65
Spc0010	ALETA 4	1	0,60	2,00	0,50	0,60
						118,850

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	Dintel	1	104,88	100,00		10.488,00
Spc0010	Losa	1	104,88	100,00		10.488,00
Spc0010	Hastiales	1	46,00	100,00		4.600,00
Spc0010	Aletas	1	29,05	80,00		2.324,00
Spc0010	Hastial intermedio	1	23,00	100,00		2.300,00
						30.200,000
610.0010	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA					
Spc0010	MARCO Losa	1	21,50	7,60	0,10	16,34
Spc0010	ALETA 1	1	7,16	2,00	0,10	1,43
Spc0010	ALETA 2	1	3,56	2,00	0,10	0,71
Spc0010	ALETA 3	1	2,65	2,00	0,10	0,53
Spc0010	ALETA 4	1	0,60	2,00	0,10	0,12
						19,130
680.0010	m² ENCOFRADO OCULTO PLANO					
Spc0010	Losa	2		7,60	0,60	9,12
Spc0010	Hastiales	2	23,00		3,20	147,20
Spc0010	Aleta 1- Alzado	1	7,16		2,70	19,33
Spc0010	Aleta 1- Cimiento	2	7,16		0,50	7,16
Spc0010	Aleta 1- Cimiento	1		2,00	0,50	1,00
Spc0010	Aleta 2- Alzado	1	3,56		2,70	9,61
Spc0010	Aleta 2- Cimiento	2	3,56		0,50	3,56
Spc0010	Aleta 2- Cimiento	1		2,00	0,50	1,00
Spc0010	Aleta 3- Alzado	1	2,65		2,70	7,16
Spc0010	Aleta 3- Cimiento	2	2,65		0,50	2,65
Spc0010	Aleta 3- Cimiento	1		2,00	0,50	1,00
Spc0010	Aleta 4- Alzado	1	0,60		2,70	1,62
Spc0010	Aleta 4- Cimiento	2	0,60		0,50	0,60
Spc0010	Aleta 4- Cimiento	1		2,00	0,50	1,00
						212,010
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010	Dintel	1	23,00	6,60		151,80
Spc0010	Dintel	2		7,60	0,60	9,12
Spc0010	Hastiales	2	23,00		2,00	92,00
Spc0010	Hastiales	4		0,50	2,00	4,00
Spc0010	Aleta 1- Alzado	1	7,16		2,70	19,33
Spc0010	Aleta 1- Alzado	1		0,40	2,70	1,08
Spc0010	Aleta 2- Alzado	1	3,56		2,70	9,61
Spc0010	Aleta 2- Alzado	1		0,40	2,70	1,08
Spc0010	Aleta 3- Alzado	1	2,65		2,70	7,16
Spc0010	Aleta 3- Alzado	1		0,40	2,70	1,08
Spc0010	Aleta 4- Alzado	1	0,60		2,70	1,62
Spc0010	Aleta 4- Alzado	1		0,40	2,70	1,08
						298,960
690.0050	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA					
Spc0010	Hastiales	2	23,00		3,20	147,20
Spc0010	Aleta 1- Alzado	1	7,16		2,70	19,33
Spc0010	Aleta 2- Alzado	1	3,56		2,70	9,61
Spc0010	Aleta 3- Alzado	1	2,65		2,70	7,16
Spc0010	Aleta 4- Alzado	1	0,60		2,70	1,62
						184,920
290.0040	m² SUMINISTRO Y COLOCACIÓN DE GEOTEXTIL NO TEJIDO TIPO 4 COMO FILTRO					
Spc0010	Hastiales	2	23,00		3,20	147,20
Spc0010	Aleta 1- Alzado	1	7,16		2,70	19,33
Spc0010	Aleta 2- Alzado	1	3,56		2,70	9,61
Spc0010	Aleta 3- Alzado	1	2,65		2,70	7,16
Spc0010	Aleta 4- Alzado	1	0,60		2,70	1,62
						184,920
681.0010	m³ CIMBRA CUAJADA					
Spc0010	Dintel	1	23,00	6,60	2,00	303,60
						303,600

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
690.0070	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP					
Spc0010	Dintel	1	23,00	7,60		174,80
Spc0010	Losa	2		3,20	0,60	3,84
Spc0010	Aleta 1- Cimentación	1	7,16	2,00		14,32
Spc0010		2	7,16	0,40		5,73
Spc0010		1	2,00	0,40		0,80
Spc0010	Aleta 2- Cimentación	1	3,56	2,00		7,12
Spc0010		1	3,56	0,40		1,42
Spc0010		1	2,00	0,40		0,80
Spc0010	Aleta 3- Cimentación	1	2,65	2,00		5,30
Spc0010		2	2,65	0,40		2,12
Spc0010		1	2,00	0,40		0,80
Spc0010	Aleta 4- Cimentación	1	0,60	2,00		1,20
Spc0010		1	0,60	0,40		0,24
Spc0010		1	2,00	0,40		0,80
						219,290

02.01.05 ODT 1500

02.01.05.01 TIERRAS

300.0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS					
Spc0010	Marco	1	45,25	6,60		298,65
Spc0010	Aleta 1	1	7,67	5,00		38,35
Spc0010	Aleta 2	1	7,94	5,00		39,70
						376,700
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO					
Spc0010	Marco	1	44,85	6,20	1,00	278,07
Spc0010	Aleta 1	1	7,17	4,50	1,00	32,27
Spc0010	Aleta 2	1	7,44	4,50	1,00	33,48
						343,820
332.0050	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA					
Spc0010	Marco	1	44,85	6,20	1,00	278,07
Spc0010	Aleta 1	1	7,17	4,50	1,00	32,27
Spc0010	Aleta 2	1	7,44	4,50	1,00	33,48
Spc0010	Marco	-1	42,45	3,80	0,40	-64,52
Spc0010	Aleta 1	-1	6,17	2,50	0,50	-7,71
Spc0010	Aleta 2	-1	6,44	2,50	0,50	-8,05
						263,540
332.0010	m³ RELLENO LOCALIZADO CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR O CANTERA, TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN					
Spc0010	Cuña de transición	2	42,45	1,50	0,93	118,44
						118,440
330.0050	m³ SUELO SELECCIONADO PROCEDENTE DE PRÉSTAMO PARA FORMACIÓN DE EXPLANADA					
Spc0010	Cuña de transición	2	42,45	1,80	1,87	285,77
Spc0010		2	42,45	1,87	1,87	296,89
						582,660

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
02.01.05.02	ALZADO + LOSAS					
301.0020	m³ DEMOLICIÓN DE FÁBRICA HORMIGÓN ARMADO					
Spc0010	ALETA 1 Alzado	1	4,67	0,40	2,70	5,04
Spc0010	ALETA 2 Alzado	1	4,94	0,40	2,70	5,34
Spc0010	ALETA 1	1	4,67	2,00	0,50	4,67
Spc0010	ALETA 2	1	4,94	2,00	0,50	4,94
						19,990
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	Dintel	1	42,45	3,80	0,40	64,52
Spc0010	Hastiales	2	42,45	0,40	2,00	67,92
Spc0010	ALETA 1 Alzado	1	4,67	0,40	2,70	5,04
Spc0010	ALETA 2 Alzado	1	4,94	0,40	2,70	5,34
Spc0010	Arqueta 1	1	2,60	2,60	4,50	30,42
Spc0010	Arqueta 1	-1	2,00	2,00	4,20	-16,80
Spc0010	Arqueta 2	3	2,60	0,30	2,47	5,78
Spc0010	Arqueta 2	1	2,00	2,00	0,30	1,20
Spc0010	Arqueta 2	1	2,60	0,30	5,50	4,29
						167,710
610.0060	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS					
Spc0010	MARCO Losa	1	42,45	3,80	0,40	64,52
Spc0010	ALETA 1	1	4,67	2,00	0,50	4,67
Spc0010	ALETA 2	1	4,94	2,00	0,50	4,94
						74,130
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	Dintel	1	64,52	100,00		6.452,00
Spc0010	Losa	1	64,52	100,00		6.452,00
Spc0010	Hastiales	1	67,92	100,00		6.792,00
Spc0010	Aletas	1	19,99	80,00		1.599,20
Spc0010	Arqueta 1	1	13,62	80,00		1.089,60
Spc0010	Arqueta 2	1	11,30	80,00		904,00
						23.288,800
610.0010	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA					
Spc0010	MARCO Losa	1	42,45	3,80	0,10	16,13
Spc0010	ALETA 1	1	4,67	2,00	0,10	0,93
Spc0010	ALETA 2	1	4,94	2,00	0,10	0,99
						18,050
680.0010	m² ENCOFRADO OCULTO PLANO					
Spc0010	Losa	2		3,80	0,40	3,04
Spc0010	Hastiales	2	42,45		2,80	237,72
Spc0010	Aleta 1- Alzado	1	4,67		2,70	12,61
Spc0010	Aleta 1- Cimiento	2	4,67		0,50	4,67
Spc0010	Aleta 1- Cimiento	1		2,00	0,50	1,00
Spc0010	Aleta 2- Alzado	1	4,94		2,70	13,34
Spc0010	Aleta 2- Cimiento	2	4,94		0,50	4,94
Spc0010	Aleta 2- Cimiento	1		2,00	0,50	1,00
Spc0010	Arqueta 1	4	2,60		4,50	46,80
Spc0010	Arqueta 1	4	2,00		4,20	33,60
Spc0010	Arqueta 2	2	2,60		5,50	28,60
Spc0010	Arqueta 2	6	2,00		2,47	29,64
						416,960
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010	Dintel	1	42,45	3,00		127,35
Spc0010	Dintel	2		3,80	0,40	3,04
Spc0010	Hastiales	2	42,45		2,00	169,80
Spc0010	Hastiales	4		0,40	2,00	3,20
Spc0010	Aleta 1- Alzado	1	4,67		2,70	12,61
Spc0010	Aleta 1- Alzado	1		0,40	2,70	1,08
Spc0010	Aleta 2- Alzado	1	4,94		2,70	13,34
Spc0010	Aleta 2- Alzado	1		0,40	2,70	1,08
						331,500

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
690.0050	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA					
Spc0010	Losa	2		2,80	0,40	2,24
Spc0010	Aleta 1- Cimentación	1	4,67	2,00		9,34
Spc0010		2	4,67	0,40		3,74
Spc0010		1	2,00	0,40		0,80
Spc0010	Aleta 2- Cimentación	1	4,94	2,00		9,88
Spc0010		1	4,94	0,40		1,98
Spc0010		1	2,00	0,40		0,80
Spc0010	Arqueta 1	4	2,60		4,50	46,80
Spc0010	Arqueta 2	1	2,60		5,50	14,30
Spc0010	Arqueta 2	3	2,00		2,47	14,82
						104,700
290.0040	m² SUMINISTRO Y COLOCACIÓN DE GEOTEXTIL NO TEJIDO TIPO 4 COMO FILTRO					
Spc0010	Hastiales	2	42,45		2,80	237,72
Spc0010	Aleta 1- Alzado	1	4,67		2,70	12,61
Spc0010	Aleta 2- Alzado	1	4,94		2,70	13,34
						263,670
681.0010	m³ CIMBRA CUAJADA					
Spc0010	Dintel	1	42,45	3,00	2,00	254,70
						254,700
690.0070	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP					
Spc0010	Dintel	1	42,45	3,80		161,31
Spc0010	Hastiales	2	42,45		2,80	237,72
Spc0010	Aleta 1- Alzado	1	4,67		2,70	12,61
Spc0010	Aleta 2- Alzado	1	4,94		2,70	13,34
						424,980
02.01.06 ODT 1500_D						
02.01.06.01 TIERRAS						
300.0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS					
Spc0010	Marco	1	16,10	6,60		106,26
Spc0010	Aleta1	1	5,76	5,00		28,80
Spc0010	Aleta2	1	5,76	5,00		28,80
Spc0010	Aleta3	1	2,78	5,00		13,90
Spc0010	Aleta4	1	2,86	5,00		14,30
						192,060
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO					
Spc0010	Marco	1	16,10	6,20	1,00	99,82
Spc0010	Aleta1	1	4,76	4,50	1,00	21,42
Spc0010	Aleta2	1	4,76	4,50	1,00	21,42
Spc0010	Aleta3	1	1,78	4,50	1,00	8,01
Spc0010	Aleta4	1	1,86	4,50	1,00	8,37
						159,040
332.0050	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA					
Spc0010	Marco	1	16,10	6,20	1,00	99,82
Spc0010	Aleta1	1	4,76	4,50	1,00	21,42
Spc0010	Aleta2	1	4,76	4,50	1,00	21,42
Spc0010	Aleta3	1	1,78	4,50	1,00	8,01
Spc0010	Aleta4	1	1,86	4,50	1,00	8,37
Spc0010	Marco	-1	16,10	3,80	0,40	-24,47
Spc0010	Aleta1	-1	3,76	2,50	0,50	-4,70
Spc0010	Aleta2	-1	3,76	2,50	0,50	-4,70
Spc0010	Aleta3	-1	0,78	2,50	0,50	-0,98
Spc0010	Aleta4	-1	0,78	2,50	0,50	-0,98
						123,210

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
332.0010	m³ RELLENO LOCALIZADO CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR O CANTERA, TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN					
Spc0010	Cuña de transición	2	16,10	1,50	0,93	44,92
						44,920
330.0050	m³ SUELO SELECCIONADO PROCEDENTE DE PRÉSTAMO PARA FORMACIÓN DE EXPLANADA					
Spc0010	Cuña de transición	2	16,10	1,80	1,87	108,39
Spc0010		2	16,10	1,87	1,87	112,60
						220,990
02.01.06.02 ALZADO + LOSAS						
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	Dintel	1	16,10	3,80	0,40	24,47
Spc0010	Hastiales	2	16,10	0,40	2,00	25,76
Spc0010	ALETA 1 Alzado	1	3,76	0,40	2,70	4,06
Spc0010	ALETA 2 Alzado	1	3,76	0,40	2,70	4,06
Spc0010	ALETA 3 Alzado	1	0,78	0,40	2,70	0,84
Spc0010	ALETA 4 Alzado	1	0,78	0,40	2,70	0,84
						60,030
610.0060	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS					
Spc0010	MARCO Losa	1	16,10	3,80	0,40	24,47
Spc0010	ALETA 1	1	3,76	2,00	0,50	3,76
Spc0010	ALETA 2	1	3,76	2,00	0,50	3,76
Spc0010	ALETA 3	1	0,78	2,00	0,50	0,78
Spc0010	ALETA 4	1	0,78	2,00	0,50	0,78
						33,550
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	Dintel	1	24,47	100,00		2.447,00
Spc0010	Losa	1	24,47	100,00		2.447,00
Spc0010	Hastiales	1	25,76	100,00		2.576,00
Spc0010	Aletas	1	18,88	80,00		1.510,40
						8.980,400
610.0010	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA					
Spc0010	MARCO Losa	1	16,10	3,80	0,10	6,12
Spc0010	ALETA 1	1	3,76	2,00	0,10	0,75
Spc0010	ALETA 2	1	3,76	2,00	0,10	0,75
Spc0010	ALETA 3	1	0,78	2,00	0,10	0,16
Spc0010	ALETA 4	1	0,78	2,00	0,10	0,16
						7,940
680.0010	m² ENCOFRADO OCULTO PLANO					
Spc0010	Losa	2		3,80	0,40	3,04
Spc0010	Hastiales	2	16,10		2,80	90,16
Spc0010	Aleta 1- Alzado	1	3,76		2,70	10,15
Spc0010	Aleta 1- Cimiento	2	3,76		0,50	3,76
Spc0010	Aleta 1- Cimiento	1		2,00	0,50	1,00
Spc0010	Aleta 2- Alzado	1	3,76		2,70	10,15
Spc0010	Aleta 2- Cimiento	2	3,76		0,50	3,76
Spc0010	Aleta 2- Cimiento	1		2,00	0,50	1,00
Spc0010	Aleta 3- Alzado	1	0,78		2,70	2,11
Spc0010	Aleta 3- Cimiento	2	0,78		0,50	0,78
Spc0010	Aleta 3- Cimiento	1		2,00	0,50	1,00
Spc0010	Aleta 4- Alzado	1	0,86		2,70	2,32
Spc0010	Aleta 4- Cimiento	2	0,86		0,50	0,86
Spc0010	Aleta 4- Cimiento	1		2,00	0,50	1,00
						131,090
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010	Dintel	1	16,10	3,00		48,30
Spc0010	Dintel	2		3,80	0,40	3,04
Spc0010	Hastiales	2	16,10		2,00	64,40
Spc0010	Hastiales	4		0,40	2,00	3,20
Spc0010	Aleta 1- Alzado	1	3,76		2,70	10,15

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
Spc0010	Aleta 1- Alzado	1		0,40	2,70	1,08
Spc0010	Aleta 2- Alzado	1	3,76		2,70	10,15
Spc0010	Aleta 2- Alzado	1		0,40	2,70	1,08
Spc0010	Aleta 3- Alzado	1	0,78		2,70	2,11
Spc0010	Aleta 3- Alzado	1		0,40	2,70	1,08
Spc0010	Aleta 4- Alzado	1	0,86		2,70	2,32
Spc0010	Aleta 4- Alzado	1		0,40	2,70	1,08
						147,990
690.0050	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA					
Spc0010	Losa	2		2,80	0,40	2,24
Spc0010	Aleta 1- Cimentación	1	3,76	2,00		7,52
Spc0010		2	3,76	0,40		3,01
Spc0010		1	2,00	0,40		0,80
Spc0010	Aleta 2- Cimentación	1	3,76	2,00		7,52
Spc0010		1	3,76	0,40		1,50
Spc0010		1	2,00	0,40		0,80
Spc0010	Aleta 3- Cimentación	1	0,78	2,00		1,56
Spc0010		2	0,78	0,40		0,62
Spc0010		1	2,00	0,40		0,80
Spc0010	Aleta 4- Cimentación	1	0,86	2,00		1,72
Spc0010		1	0,86	0,40		0,34
Spc0010		1	2,00	0,40		0,80
						29,230
290.0040	m² SUMINISTRO Y COLOCACIÓN DE GEOTEXTIL NO TEJIDO TIPO 4 COMO FILTRO					
Spc0010	Hastiales	2	16,10		2,80	90,16
Spc0010	Aleta 1- Alzado	1	3,76		2,70	10,15
Spc0010	Aleta 2- Alzado	1	3,76		2,70	10,15
Spc0010	Aleta 3- Alzado	1	0,78		2,70	2,11
Spc0010	Aleta 4- Alzado	1	0,78		2,70	2,11
						114,680
681.0010	m³ CIMBRA CUAJADA					
Spc0010	Dintel	1	16,10	3,00	2,00	96,60
						96,600
690.0070	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP					
Spc0010	Dintel	1	16,10	3,80		61,18
Spc0010	Hastiales	2	16,10		2,80	90,16
Spc0010	Aleta 1- Alzado	1	3,76		2,70	10,15
Spc0010	Aleta 2- Alzado	1	3,76		2,70	10,15
Spc0010	Aleta 3- Alzado	1	0,78		2,70	2,11
Spc0010	Aleta 4- Alzado	1	0,78		2,70	2,11
						175,860

02.01.07 ODT 2220

02.01.07.01 TIERRAS

300.0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS					
Spc0010	Marco1	1	38,00	10,95		416,10
Spc0010	Marco2	1	33,20	11,15		370,18
						786,280
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO					
Spc0010	Marco1	1	37,50	10,45	1,00	391,88
Spc0010	Marco2	1	32,60	10,55	1,00	343,93
						735,810
332.0050	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA					
Spc0010	Marco1	1	37,50	10,45	1,00	391,88
Spc0010	Marco1	-1	35,00	7,95	0,40	-111,30
Spc0010	Marco2	1	32,60	10,55	1,00	343,93
Spc0010	Marco2	-1	30,00	7,95	0,40	-95,40
						529,110

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
332.0010	m³ RELLENO LOCALIZADO CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR O CANTERA, TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN					
Spc0010	Cuña de transición1	2	35,00	1,50	1,00	105,00
Spc0010	Cuña de transición2	2	30,00	1,50	1,07	96,30
						201,300
330.0050	m³ SUELO SELECCIONADO PROCEDENTE DE PRÉSTAMO PARA FORMACIÓN DE EXPLANADA					
Spc0010	Cuña de transición1	2	35,00	1,80	2,00	252,00
Spc0010		2	35,00		2,00	280,00
Spc0010	Cuña de transición2	2	30,00	1,80	2,13	230,04
Spc0010		2	30,00	2,13	2,13	272,21
						1.034,250

02.01.07.02 ALZADO + LOSAS

610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	Dintel1	1	35,00	7,95	0,50	139,13
Spc0010	Hastiales1	2	35,00	0,50	2,00	70,00
Spc0010	Hastial intermedio1	1	35,00	0,50	2,00	35,00
Spc0010	Dintel2	1	30,00	7,95	0,60	143,10
Spc0010	Hastiales2	2	30,00	0,50	2,00	60,00
Spc0010	Hastial intermedio2	1	30,00	0,50	2,00	30,00
Spc0010	Arqueta	1	2,60	0,30	10,07	7,85
Spc0010	Arqueta	3	2,60	0,30	5,74	13,43
Spc0010	Arqueta	1	2,00	2,00	0,30	1,20
						499,710
610.0060	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS					
Spc0010	MARCO1 Losa	1	35,00	7,95	0,50	139,13
Spc0010	MARCO2 Losa	1	30,00	7,95	0,60	143,10
						282,230
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	Dintel1	1	139,13	100,00		13.913,00
Spc0010	Losa1	1	139,13	100,00		13.913,00
Spc0010	Hastiales1	1	70,00	100,00		7.000,00
Spc0010	Hastial intermedio1	1	35,00	100,00		3.500,00
Spc0010	Dintel2	1	143,10	100,00		14.310,00
Spc0010	Losa2	1	143,10	100,00		14.310,00
Spc0010	Hastiales2	1	60,00	100,00		6.000,00
Spc0010	Hastial intermedio2	1	30,00	100,00		3.000,00
Spc0010	Arqueta	1	22,50	80,00		1.800,00
						77.746,000
610.0010	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA					
Spc0010	MARCO1 Losa	1	35,00	7,95	0,10	27,83
Spc0010	MARCO2 Losa	1	30,00	7,95	0,10	23,85
						51,680
680.0010	m² ENCOFRADO OCULTO PLANO					
Spc0010	Losa1	2		7,95	0,50	7,95
Spc0010	Hastiales1	2	35,00		3,00	210,00
Spc0010	Losa2	2		7,95	0,60	9,54
Spc0010	Hastiales2	2	30,00		3,20	192,00
Spc0010	Arqueta	2	2,60		10,07	52,36
Spc0010	Arqueta	6	2,00		5,74	68,88
						540,730
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010	Dintel1	1	35,00	6,95		243,25
Spc0010	Dintel1	2		7,95	0,50	7,95
Spc0010	Hastiales1	2	35,00		2,00	140,00
Spc0010	Hastiales1	4		0,50	2,00	4,00
Spc0010	Hastial intermedio1	2	35,00		2,00	140,00
Spc0010	Dintel2	1	30,00	6,95		208,50
Spc0010	Dintel2	2		7,95	0,60	9,54
Spc0010	Hastiales2	2	30,00		2,00	120,00

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD	
Spc0010	Hastiales2	4		0,50	2,00	4,00	
Spc0010	Hastial intermedio2	2	30,00		2,00	120,00	
							997,240
690.0050	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA						
Spc0010	Hastiales1	2	35,00		3,00	210,00	
Spc0010	Hastiales2	2	30,00		3,20	192,00	
							402,000
290.0040	m² SUMINISTRO Y COLOCACIÓN DE GEOTEXTIL NO TEJIDO TIPO 4 COMO FILTRO						
Spc0010	Hastiales1	2	35,00		3,00	210,00	
Spc0010	Hastiales2	2	30,00		3,20	192,00	
							402,000
681.0010	m³ CIMBRA CUAJADA						
Spc0010	Dintel1	1	35,00	6,95	2,00	486,50	
Spc0010	Dintel2	1	30,00	6,95	2,00	417,00	
							903,500
690.0070	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP						
Spc0010	Dintel1	1	35,00	7,95		278,25	
Spc0010	Losa1	2		3,00	0,50	3,00	
Spc0010	Dintel2	1	30,00	7,95		238,50	
Spc0010	Losa2	2		3,20	0,60	3,84	
Spc0010	Arqueta	1	2,60		10,07	26,18	
Spc0010	Arqueta	3	2,00		5,74	34,44	
							584,210
301.0020	m³ DEMOLICIÓN DE FÁBRICA HORMIGÓN ARMADO						
Spc0010	Dintel	1	25,00	7,95	0,50	99,38	
Spc0010	Hastiales	2	25,00	0,50	2,00	50,00	
Spc0010	Losa	1	25,00	7,95	0,50	99,38	
Spc0010	Hastial intermedio	1	25,00	0,50	2,00	25,00	
							273,760
02.02	DRENAJE LONGITUDINAL Y DE FIRME						
430.0020	m BAJANTE PREFABRICADA DE HORMIGÓN DE 0,40 m DE ANCHO INTERIOR						
Spc0010	Según medición en planos		140,00			140,00	
							140,000
610.0050	m³ HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS						
Spc0010	Según medición auxiliar en OTDL:						
Spc0010	Tramo CV-35	1			28,00	28,00	
Spc0010	Tramo Bco. Fuente	1			68,72	68,72	
Spc0010	Según medición en planos en Arquetas tipo II-III	306			2,10	642,60	
Spc0010	Reposición de arqueta	2	2,60	2,60	6,10	82,47	
Spc0010		-2	2,00	2,00	5,80	-46,40	
							775,390
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS						
Spc0010	Según medición auxiliar en OTDL:						
Spc0010	Tramo CV-35	1			1.950,76	1.950,76	
Spc0010	Tramo Bco. Fuente	1			4.787,00	4.787,00	
Spc0010	Según medición en planos en Arquetas tipo II-III	306			62,00	18.972,00	
Spc0010	Reposición de arqueta	2	18,04	80,00		2.886,40	
							28.596,160
680.0030	m² ENCOFRADO VISTO PLANO						
Spc0010	Según medición auxiliar en OTDL:						
Spc0010	Tramo CV-35	1			37,47	37,47	
Spc0010	Tramo Bco. Fuente	1			33,80	33,80	
Spc0010	Según medición en planos en Arquetas tipo II-III	306			6,20	1.897,20	

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD	
							1.968,470
680.0010	m² ENCOFRADO OCULTO PLANO						
Spc0010	Según medición auxiliar en OTDL:						
Spc0010	Tramo CV-35	1			73,47	73,47	
Spc0010	Tramo Bco. Fuente	1			67,08	67,08	
Spc0010	Según medición en planos en Arquetas tipo II-III	306			8,10	2.478,60	
Spc0010	Reposición de arqueta	8	2,60		6,10	126,88	
Spc0010		8	2,00		5,80	92,80	
							2.838,830
690.0070	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP						
Spc0010	Según medición auxiliar en OTDL:						
Spc0010	Tramo CV-35	1			55,47	55,47	
Spc0010	Tramo Bco. Fuente	1			50,44	50,44	
Spc0010	Según medición en planos en Arquetas tipo II-III	306			6,80	2.080,80	
Spc0010	Resposición de arqueta	8	2,60		6,10	126,88	
							2.313,590
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO						
Spc0010	Según medición auxiliar en OTDL:						
Spc0010	Tramo CV-35	1			837,17	837,17	
Spc0010	Tramo Bco. Fuente	1			559,36	559,36	
Spc0010	Según medición auxiliar en Colectores:						
Spc0010	Tramo CV-35	1			16.259,00	16.259,00	
Spc0010	Tramo Bco. Fuente	1			12.079,02	12.079,02	
Spc0010	Según medición en planos en Arquetas tipo II-III	306			7,10	2.172,60	
Spc0010	Según medición auxiliar en Arquetas tipo dren	260			0,49	127,40	
Spc0010	Según medición auxiliar en cunetas de guarda:	1			32.058,38	32.058,38	
							64.092,930
610.0020	m³ HORMIGÓN C20/25						
Spc0010	Según medición auxiliar en OTDL:						
Spc0010	Tramo CV-35	1			43,16	43,16	
Spc0010	Tramo Bco. Fuente	1			29,16	29,16	
Spc0010	Según medición en planos en Arquetas tipo II-III	306			0,72	220,32	
Spc0010	Según medición auxiliar en Arquetas dren	260			0,10	26,00	
Spc0010	En reposición colector:	1	118,00	2,30	0,20	54,28	
Spc0010	Según medición en planos:						
Spc0010	En acondicionamiento obras de drenaje transversal	1	148,00			148,00	
							520,920
414.0030	m TUBO DE HORMIGÓN ARMADO DE DIÁMETRO 400 mm CLASE 135						
Spc0010	Según medición auxiliar en OTDL:						
Spc0010	Tramo CV-35	1			106,00	106,00	
Spc0010	Tramo Bco. Fuente	1			32,00	32,00	
Spc0010	Según medición auxiliar en Colectores:						
Spc0010	Tramo Bco. Fuente	1			640,00	640,00	
							778,000
414.0050	m TUBO DE HORMIGÓN ARMADO DE DIÁMETRO 500 mm CLASE 135						
Spc0010	Según medición auxiliar en OTDL:						
Spc0010	Tramo CV-35	1			15,00	15,00	
Spc0010	Tramo Bco. Fuente	1			32,00	32,00	
Spc0010	Según medición auxiliar en Colectores:						
Spc0010	Tramo CV-35	1			239,00	239,00	
Spc0010	Tramo Bco. Fuente	1			163,00	163,00	
							449,000
414.0080	m TUBO DE HORMIGÓN ARMADO DE DIÁMETRO 600 mm CLASE 135						
Spc0010	Según medición auxiliar en OTDL:						
Spc0010	Tramo CV-35	1			55,00	55,00	
Spc0010	Tramo Bco. Fuente	1			96,00	96,00	
Spc0010	Según medición auxiliar en Colectores:						
Spc0010	Tramo CV-35	1			40,39	40,39	
Spc0010	Tramo Bco. Fuente	1			1.802,00	1.802,00	
							1.993,390

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
414.0110	m TUBO DE HORMIGÓN ARMADO DE DIÁMETRO 800 mm CLASE 135					
Spc0010	Según medición auxiliar en OTDL:					
Spc0010	Tramo CV-35	1			19,00	19,00
Spc0010	Según medición auxiliar en Colectores:					
Spc0010	Tramo CV-35	1			1.438,00	1.438,00
Spc0010	Tramo Bco. Fuente	1			415,00	415,00
						1.872,000
414.0140	m TUBO DE HORMIGÓN ARMADO DE DIÁMETRO 1000 mm CLASE 135					
Spc0010	Según medición auxiliar en OTDL:					
Spc0010	Tramo CV-35	1			20,00	20,00
Spc0010	Según medición auxiliar en Colectores:					
Spc0010	Tramo CV-35	1			47,00	47,00
Spc0010	Tramo Bco. Fuente	1			460,00	460,00
						527,000
414.0170	m TUBO DE HORMIGÓN ARMADO DE DIÁMETRO 1200 mm CLASE 135					
Spc0010	Según medición auxiliar en OTDL:					
Spc0010	Tramo Bco. Fuente	1			16,00	16,00
Spc0010	Según medición auxiliar en Colectores:					
Spc0010	Tramo CV-35	1			879,00	879,00
						895,000
414.0190_N	m TUBO DE HORMIGÓN ARMADO DE DIÁMETRO 1400 mm CLASE 135					
Spc0010	Según medición auxiliar en Colectores:					
Spc0010	Tramo CV-35	1			637,00	637,00
						637,000
414.0200	m TUBO DE HORMIGÓN ARMADO DE DIÁMETRO 1500 mm CLASE 135					
Spc0010	Según medición auxiliar en reposición colector:	1	118,00			118,00
						118,000
400.0010	m³ HORMIGÓN C20/25 EN FORMACIÓN DE CUNETA i/ ENCOFRADO, FRATASADO, ACABADOS Y JUNTAS SIN INCLUIR EXCAVACIÓN					
Spc0010	Según medición auxiliar en cunetas de desmonte Tipo I:					
Spc0010	Tramo CV-35	1			483,59	483,59
Spc0010	Tramo Bco. Fuente	1			335,32	335,32
Spc0010	Según medición auxiliar en cunetas de desmonte Tipo II:					
Spc0010	Tramo CV-35	1			1.323,34	1.323,34
Spc0010	Tramo Bco. Fuente	1			614,68	614,68
Spc0010	Según medición auxiliar en cunetas pie terraplén:					
Spc0010	Tramo CV-35	1			293,78	293,78
Spc0010	Tramo Bco. Fuente	1			501,80	501,80
Spc0010	Según medición auxiliar en cunetas coronación desmonte:					
Spc0010	Tramo CV-35	1			421,83	421,83
Spc0010	Tramo Bco. Fuente	1			147,40	147,40
						4.121,740
430.0080	ud TAPA DE HORMIGÓN PREFABRICADO PARA ARQUETA, I/SUMINISTRO, TRANSPORTE Y COLOCACIÓN.					
Spc0010	Según medición en planos en Arquetas tipo dren	260				260,00
						260,000
430.0090	ud TAPA DE ACERO, TIPO REJILLA PARA ARQUETA, I/SUMINISTRO, TRANSPORTE Y COLOCACIÓN.					
Spc0010	Según medición en planos en Arquetas tipo II-III	306				306,00
						306,000
332.0060	m³ RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA					
Spc0010	Según medición auxiliar en Colectores:					
Spc0010	Tramo CV-35	1			8.967,00	8.967,00
Spc0010	Tramo Bco. Fuente	1			6.194,57	6.194,57
						15.161,570
332.0040	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA					
Spc0010	Según medición auxiliar en OTDL:					
Spc0010	Tramo CV-35	1			394,19	394,19
Spc0010	Tramo Bco. Fuente	1			379,52	379,52
						773,710

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
424.0025_N	m TUBO DE PVC RANURADO DE DIÁMETRO 200 mm					
Spc0010	Según medición auxiliar:					
Spc0010	Tramo CV-35	1	6.408,00			6.408,00
Spc0010	Tramo Bco. Fuente	1	5.698,00			5.698,00
						12.106,000
332.0050	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA					
Spc0010	Según medición auxiliar en Colectores:					
Spc0010	Tramo CV-35	1			3.270,12	3.270,12
Spc0010	Tramo Bco. Fuente	1			2.447,76	2.447,76
						5.717,880
570.030_N	m BORDILLO PREF. HORM. TIPO Y-41					
Spc0010	Según medición auxiliar:					
Spc0010	Tramo CV-35	1	346,0000			346,0000
Spc0010	Tramo Bco. Fuente	1	280,0000			280,0000
						626,000
413.0010_N	m CAZ DE HORMIGÓN PREFABRICADO 400					
Spc0010	Según medición auxiliar:					
Spc0010	Tramo CV-35	1			1.241,00	1.241,00
Spc0010	Tramo Bco. Fuente	1			1.624,00	1.624,00
						2.865,000
413.0011_N	m CAZ DE HORMIGÓN PREFABRICADO 500					
Spc0010	Según medición auxiliar:					
Spc0010	Tramo CV-35	1			1.170,00	1.170,00
Spc0010	Tramo Bco. Fuente	1			2.241,00	2.241,00
						3.411,000
02.02.01	CO-1990-E1-MI					1,000
02.02.02	CO-0300-E20-MD					1,000
02.02.03	OTDL-1220_D y OTDL-1500_D					1,000
02.03	ENCAUZAMIENTO DEL BARRANCO DEL TRAVESSAT					
320.0020	m³ EXCAVACIÓN EN DESMONTE EN TIERRA CON MEDIOS MECÁNICOS SIN EXPLOSIVOS					
Spc0010	Solera de escollera:					
Spc0010	PK0-PK75		75,00	2,55	1,00	191,25
Spc0010	PK220-PK250		30,00	3,40	1,00	102,00
Spc0010	PK390-PK435		45,00	3,40	1,00	153,00
Spc0010	PK840-PK890		50,00	3,40	1,00	170,00
Spc0010	PK962-PK992		30,00	6,40	1,00	192,00
Spc0010	Zona final conexión existente		96,20		1,00	96,20
Spc0010	Adecuación zona conexión Travessat-La Fuente		2.044,00		1,00	2.044,00
						2.948,450
330.0020	m3 TERRAPLÉN O PEDRAPLEN O RELLENO TODO-UNO CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN					
Spc0010	Travessat s/mediciones auxiliares		6.724,0000			6.724,0000
Spc0010	Incremento relleno		2.338,2000			2.338,2000
						9.062,200
658.0010	m³ ESCOLLERA DE 200/400 kg EN DRENAJE O PROTECCION FLUVIAL					
Spc0010	Solera de escollera:					
Spc0010	PK0-PK75		75,00	2,55	1,00	191,25
Spc0010	PK220-PK250		30,00	3,40	1,00	102,00
Spc0010	PK390-PK435		45,00	3,40	1,00	153,00
Spc0010	PK840-PK890		50,00	3,40	1,00	170,00
Spc0010	PK962-PK992		30,00	6,40	1,00	192,00
Spc0010	Zona final conexión existente		1.307,00		1,00	1.307,00
						2.115,250

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
610.0020	m³ HORMIGÓN C20/25					
Spc0010	Recebo escollera solera:	0,147	1.537,00		225,94	
						225,940
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	Travessat:					
Spc0010	PK0-PK75-revestimiento talud		75,00	0,35	3,00	78,75
Spc0010	Sección de hormigón armado s/planos:					
Spc0010	Muros		1.710,10			1.710,10
Spc0010	Losa superior e inferior		727,90			727,90
						2.516,750
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010	Travessat:					
Spc0010	PK0-PK75		75,00		3,00	225,00
Spc0010	Sección de hormigón armado s/planos:					
Spc0010	Sección U		80,00	8,80		704,00
Spc0010	Sección cerrada		250,00	12,80		3.200,00
Spc0010	Tapas			46,00		46,00
						4.175,000
680.0010	m² ENCOFRADO OCULTO PLANO					
Spc0010	Sección de hormigón armado s/planos:					
Spc0010	Sección U		80,00	8,80		704,00
Spc0010	Sección cerrada		250,00	8,80		2.200,00
						2.904,000
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	Travessat:					
Spc0010	PK0-PK75	40	75,00	0,35	3,00	3.150,00
Spc0010	Sección de hormigón armado s/planos:					
Spc0010	Muros	100	1.710,10			171.010,00
Spc0010	Losa superior e inferior	100	727,90			72.790,00
						246.950,000
690.0040	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA					
Spc0010	Sección de hormigón armado s/planos:					
Spc0010	Sección U		80,00	8,80		704,00
Spc0010	Sección cerrada		250,00	8,80		2.200,00
						2.904,000
681.0010	m³ CIMBRA CUAJADA					
Spc0010	Sección de hormigón armado s/planos:					
Spc0010	Sección cerrada		250,00	17,60		4.400,00
						4.400,000
658.0080	m³ MURO DE ESCOLLERA CON BLOQUES DE 1000 A 3000 kg O SUPERIOR					
Spc0010	Muros de escollera		18.783,40			18.783,40
						18.783,400

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
03	FIRMES					
03.01	CALZADAS PRINCIPALES					
513.0012	m³ SUELO-CEMENTO FABRICADO EN CENTRAL CON MATERIAL GRANULAR PROCEDENTE DE CANTERA					
Spc0010	s/ mediciones auxiliares		12.304,40			12.304,40
						12.304,400
202.0030	t CEMENTO PARA ESTABILIZACIÓN DE SUELOS, SUELOCEMENTO O GRAVACEMENTO					
Spc0010	s/ mediciones auxiliares (en suelocemento)	2	0,0300	12.304,4000		738,2640
						738,264
542.0050	t MBC TIPO AC22 BIN S, EXCEPTO BETÚN Y POLVO MINERAL					
Spc0010	s/ mediciones auxiliares		13.816,85			13.816,85
						13.816,850
543.0020	m² MBC TIPO BBTM 11B EN CAPA DE RODADURA, EXCEPTO BETÚN Y POLVO MINERAL					
Spc0010	s/ mediciones auxiliares		115.920,00			115.920,00
						115.920,000
542.0080	t MBC TIPO AC32 BASE S, EXCEPTO BETÚN Y POLVO MINERAL					
Spc0010	s/ mediciones auxiliares		23.402,04			23.402,04
						23.402,040
542.0110	t CARBONATO EMPLEADO COMO POLVO MINERAL DE APORTACIÓN					
Spc0010	AC32 Base S	0,04	23.402,0400			936,0816
Spc0010	AC22 BIN S	0,044	13.816,8500			607,9414
Spc0010	BBTM 11B	0,058	7.824,6000			453,8268
						1.997,850
530.0010	t ÁRIDO EMPLEADO EN RIEGOS DE IMPRIMACIÓN O DE CURADO					
Spc0010	s/ mediciones auxiliares					
Spc0010	Riego de curado	0,01175	539,8000			1.755,3980
Spc0010	Riego de imprimación	0,01	34.830,1500			348,3015
						2.103,700
531.0020	t EMULSIÓN C60B3 ADH EN RIEGOS DE ADHERENCIA O C60B3 CUR EN RIEGOS DE CURADO					
Spc0010	s/ mediciones auxiliares					
Spc0010	R. Adherencia	0,35170	288,3300	0,0010		59,6009
Spc0010	R. Curado	0,5175	539,8000	0,0010		87,7699
						147,371
531.0040	t EMULSIÓN C60BP3 ADH, MODIFICADA CON POLÍMEROS, EN RIEGO DE ADHERENCIA					
Spc0010	s/ mediciones auxiliares	0,5	110.217,900	0,001		55,109
						55,109
332.0090	m³ RELLENO PARA IMPERMEABILIZACIÓN DE BERMAS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO Y/O CANTERA					
Spc0010	s/ mediciones auxiliares		8.558,20			8.558,20
						8.558,200
510.0010	m³ ZAHORRA					
Spc0010	s/ mediciones auxiliares		10.690,00			10.690,00
						10.690,000
211.0040	t BETÚN MEJORADO CON CAUCHO PROCEDENTE DE POLVO DE NFS, TIPO BC35/50					
Spc0010	AC32 BASE S	0,04	23.402,04			936,08
Spc0010	AC22 BIN S	0,04	13.816,85			552,67
						1.488,750
215.0030	t BETÚN MODIFICADO CON POLÍMEROS (CON O SIN CAUCHO) TIPO PMB 45/80-65					
Spc0010	BBTM	0,048	7.824,60			375,58
						375,580
290.0010	m² SUMINISTRO Y COLOCACIÓN DE GEOTEXTIL NO TEJIDO TIPO 1 COMO SEPARADOR					
Spc0010	AMPLIACIÓN CALZADA BYPASS					
Spc0010	EJE 1	2	700,00	1,00		1.400,00
Spc0010	EJE 2	2	2.800,00	1,00		5.600,00
						7.000,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
03.02 CALZADAS LATERALES						
513.0012	m³ SUELO-CEMENTO FABRICADO EN CENTRAL CON MATERIAL GRANULAR PROCEDENTE DE CANTERA					
Spc0010	s/ mediciones auxiliares		10.512,30			10.512,30
						10.512,300
202.0030	t CEMENTO PARA ESTABILIZACIÓN DE SUELOS, SUELOCEMENTO O GRAVACEMENTO					
Spc0010	s/ mediciones auxiliares (en suelocemento)	2	0,0300	10.512,3000		630,7380
						630,738
542.0050	t MBC TIPO AC22 BIN S, EXCEPTO BETÚN Y POLVO MINERAL					
Spc0010	s/ mediciones auxiliares		7.483,92			7.483,92
						7.483,920
543.0020	m² MBC TIPO BBTM 11B EN CAPA DE RODADURA, EXCEPTO BETÚN Y POLVO MINERAL					
Spc0010	s/ mediciones auxiliares		43.756,67			43.756,67
Spc0010	Calzada lateral derecha existente		600,00	14,00		8.400,00
Spc0010			900,00	10,50		9.450,00
						61.606,670
542.0080	t MBC TIPO AC32 BASE S, EXCEPTO BETÚN Y POLVO MINERAL					
Spc0010	s/ mediciones auxiliares		7.508,81			7.508,81
						7.508,810
542.0110	t CARBONATO EMPLEADO COMO POLVO MINERAL DE APORTACIÓN					
Spc0010	AC32 Base S	0,04	7.508,8100			300,3524
Spc0010	AC22 BIN S	0,044	7.483,9200			329,2925
Spc0010	BBTM 11B	0,058	2.953,5800			171,3076
						800,953
530.0010	t ÁRIDO EMPLEADO EN RIEGOS DE IMPRIMACIÓN O DE CURADO					
Spc0010	s/ mediciones auxiliares					
Spc0010	Riego de curado	0,0110	1.391,0000			1.013,9100
Spc0010	Riego de imprimación	0,01	3.136,1000			31,3610
						1.045,271
531.0020	t EMULSIÓN C60B3 ADH EN RIEGOS DE ADHERENCIA O C60B3 CUR EN RIEGOS DE CURADO					
Spc0010	s/ mediciones auxiliares					
Spc0010	R. Adherencia	0,35	76.620,5000	0,0010		26,8172
Spc0010	R. Curado	0,510	1.391,0000	0,0010		50,6955
						77,513
531.0040	t EMULSIÓN C60BP3 ADH, MODIFICADA CON POLÍMEROS, EN RIEGO DE ADHERENCIA					
Spc0010	s/ mediciones auxiliares	0,5	43.673,600	0,001		21,837
						21,837
332.0090	m³ RELLENO PARA IMPERMEABILIZACIÓN DE BERMAS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO Y/O CANTERA					
Spc0010	s/ mediciones auxiliares		4.067,30			4.067,30
Spc0010	Ampliación berma calzada lateral derecha		1.500,00	1,00	0,30	450,00
						4.517,300
510.0010	m³ ZAHORRA					
Spc0010	s/ mediciones auxiliares		543,80			543,80
						543,800
211.0040	t BETÚN MEJORADO CON CAUCHO PROCEDENTE DE POLVO DE NFS, TIPO BC35/50					
Spc0010	AC32 BASE S	0,04	7.508,81			300,35
Spc0010	AC22 BIN S	0,04	7.483,92			299,36
						599,710
215.0030	t BETÚN MODIFICADO CON POLÍMEROS (CON O SIN CAUCHO) TIPO PMB 45/80-65					
Spc0010	BBTM 11B	0,048	2.953,58			141,77
						141,770

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
03.03 ENLACE CV-35						
513.0012	m³ SUELO-CEMENTO FABRICADO EN CENTRAL CON MATERIAL GRANULAR PROCEDENTE DE CANTERA					
Spc0010	s/ mediciones auxiliares		3.979,60			3.979,60
						3.979,600
202.0030	t CEMENTO PARA ESTABILIZACIÓN DE SUELOS, SUELOCEMENTO O GRAVACEMENTO					
Spc0010	s/ mediciones auxiliares (en suelocemento)	2	0,0300	3.979,6000		238,7760
						238,776
542.0050	t MBC TIPO AC22 BIN S, EXCEPTO BETÚN Y POLVO MINERAL					
Spc0010	s/ mediciones auxiliares		2.734,08			2.734,08
						2.734,080
543.0020	m² MBC TIPO BBTM 11B EN CAPA DE RODADURA, EXCEPTO BETÚN Y POLVO MINERAL					
Spc0010	s/ mediciones auxiliares		26.103,00			26.103,00
						26.103,000
542.0080	t MBC TIPO AC32 BASE S, EXCEPTO BETÚN Y POLVO MINERAL					
Spc0010	s/ mediciones auxiliares		2.604,52			2.604,52
						2.604,520
542.0110	t CARBONATO EMPLEADO COMO POLVO MINERAL DE APORTACIÓN					
Spc0010	AC32 Base S	0,04	2.604,5200			104,1808
Spc0010	AC22 BIN S	0,044	2.734,0800			120,2995
Spc0010	BBTM 11B	0,058	1.761,9500			102,1931
						326,673
530.0010	t ÁRIDO EMPLEADO EN RIEGOS DE IMPRIMACIÓN O DE CURADO					
Spc0010	s/ mediciones auxiliares					
Spc0010	Riego de curado	0,01	37.765,2000			377,6520
Spc0010	Riego de imprimación	0,01	1.651,3000			16,5130
						394,165
531.0020	t EMULSIÓN C60B3 ADH EN RIEGOS DE ADHERENCIA O C60B3 CUR EN RIEGOS DE CURADO					
Spc0010	s/ mediciones auxiliares					
Spc0010	R. Adherencia	0,35	29.199,1000	0,0010		10,2197
Spc0010	R. Curado	0,5	37.765,2000	0,0010		18,8826
						29,102
531.0040	t EMULSIÓN C60BP3 ADH, MODIFICADA CON POLÍMEROS, EN RIEGO DE ADHERENCIA					
Spc0010	s/ mediciones auxiliares	0,5	26.061,600	0,001		13,031
						13,031
332.0090	m³ RELLENO PARA IMPERMEABILIZACIÓN DE BERMAS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO Y/O CANTERA					
Spc0010	s/ mediciones auxiliares		1.550,30			1.550,30
						1.550,300
510.0010	m³ ZAHORRA					
Spc0010	s/ mediciones auxiliares		273,10			273,10
						273,100
211.0040	t BETÚN MEJORADO CON CAUCHO PROCEDENTE DE POLVO DE NFS, TIPO BC35/50					
Spc0010	AC32 BASE S	0,04	2.604,52			104,18
Spc0010	AC22 BIN S	0,04	2.734,08			109,36
Spc0010	Descontar					
Spc0010	Eje 17 Binder	-0,04	293,28			-11,73
Spc0010	Eje 17 Base	-0,04	291,87			-11,67
Spc0010	Eje 21 Binder	-0,04	163,68			-6,55
Spc0010	Eje 21 Base	-0,04	223,10			-8,92
						174,670
211.0050	t BETÚN MEJORADO CON CAUCHO PROCEDENTE DE POLVO DE NFS, TIPO BC50/70					
Spc0010	Eje 17 Binder	0,04	293,28			11,73
Spc0010	Eje 17 Base	0,04	291,87			11,67
Spc0010	Eje 21 Binder	0,04	163,68			6,55
Spc0010	Eje 21 Base	0,04	223,10			8,92
						38,870

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
215.0030	t BETÚN MODIFICADO CON POLÍMEROS (CON O SIN CAUCHO) TIPO PMB 45/80-65					
Spc0010	BBTM 11B	0,048	1.761,95			84,57
Spc0010	Descontar					
Spc0010	Eje 17 Rodadura	-0,048	149,63			-7,18
Spc0010	Eje 21 Rodadura	-0,048	90,90			-4,36
						73,030
215.0020	t BETÚN MODIFICADO CON POLÍMEROS (CON O SIN CAUCHO) TIPO PMB 45/80-60					
Spc0010	Eje 17 Rodadura	0,048	149,6300			7,1822
Spc0010	Eje 21 Rodadura	0,048	90,9000			4,3632
						11,545
03.04	REPOSICIÓN DE CAMINOS					
513.0012	m³ SUELO-CEMENTO FABRICADO EN CENTRAL CON MATERIAL GRANULAR PROCEDENTE DE CANTERA					
Spc0010	s/ mediciones auxiliares		10.594,70			10.594,700
202.0030	t CEMENTO PARA ESTABILIZACIÓN DE SUELOS, SUELOCEMENTO O GRAVACEMENTO					
Spc0010	s/ mediciones auxiliares (en suelocemento)	2	0,030010.594,7000			635,6820
						635,682
542.0050	t MBC TIPO AC22 BIN S, EXCEPTO BETÚN Y POLVO MINERAL					
Spc0010	s/ mediciones auxiliares		5.261,28			5.261,280
542.0010	t MBC TIPO AC16 SURF S, EXCEPTO BETÚN Y POLVO MINERAL					
Spc0010	s/ mediciones auxiliares		3.623,04			3.623,040
542.0080	t MBC TIPO AC32 BASE S, EXCEPTO BETÚN Y POLVO MINERAL					
Spc0010	s/ mediciones auxiliares		884,58			884,580
542.0110	t CARBONATO EMPLEADO COMO POLVO MINERAL DE APORTACIÓN					
Spc0010	AC32 Base S	0,04	884,5800			35,3832
Spc0010	AC22 BIN S	0,044	5.261,2800			231,4963
Spc0010	AC16 SURF S	0,04	3.623,0400			144,9216
						411,801
530.0010	t ÁRIDO EMPLEADO EN RIEGOS DE IMPRIMACIÓN O DE CURADO					
Spc0010	s/ mediciones auxiliares					
Spc0010	Riego de curado	0,01	76.542,2000			765,4220
						765,422
531.0020	t EMULSIÓN C60B3 ADH EN RIEGOS DE ADHERENCIA O C60B3 CUR EN RIEGOS DE CURADO					
Spc0010	s/ mediciones auxiliares					
Spc0010	R. Adherencia	0,35	67.872,2000	0,0010		23,7553
Spc0010	R. Curado	0,5	76.542,2000	0,0010		38,2711
						62,026
332.0090	m³ RELLENO PARA IMPERMEABILIZACIÓN DE BERMAS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO Y/O CANTERA					
Spc0010	s/ mediciones auxiliares		1.650,50			1.650,500
570.006_N	m BORDILLO PREF. HORM. NO MONTABLE 0.10x0.20x0.40 m					
Spc0010	Aceras		120,00		8,00	960,00
						960,000
551.0010	m3 HORMIGÓN MAGRO EN BASE DE FIRME					
Spc0010	Aceras Glorieta		70,0000	1,8000	0,1500	18,9000
Spc0010	Eje 16 s/ mediciones auxiliares		41,5000			41,5000
						60,400

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
570.0031_N	m2 PAVIMENTO BALDOSA HIDRÁULICA 20X20X0.4					
Spc0010	Pavimento acera		2.085,0000	1,8000		3.753,0000
Spc0010	Aceras Glorieta		140,0000	1,8000		252,0000
						4.005,000
570.004_N	m BORDILLO MONTABLE PREF. HORM. 0.20x0.22x0.5 m					
Spc0010	Aceras		120,00		8,00	960,00
						960,000
510.0010	m³ ZAHORRA					
Spc0010	s/ mediciones auxiliares		695,70			695,70
						695,700
211.0050	t BETÚN MEJORADO CON CAUCHO PROCEDENTE DE POLVO DE NFS, TIPO BC50/70					
Spc0010	AC32 BASE S	0,04	884,58			35,38
Spc0010	AC22 BIN S	0,04	5.261,28			210,45
Spc0010	AC16 Surf S	0,045	3.623,04			163,04
Spc0010	Descontar					
Spc0010	Eje 11 Binder	-0,04	773,52			-30,94
Spc0010	Eje 11 Base	-0,04	884,58			-35,38
Spc0010	Eje 11 Surf	-0,045	483,60			-21,76
						320,790
211.0040	t BETÚN MEJORADO CON CAUCHO PROCEDENTE DE POLVO DE NFS, TIPO BC35/50					
Spc0010	S/ mediciones auxiliares					
Spc0010	Eje 11 Binder	0,04	773,52			30,94
Spc0010	Eje 11 Base	0,04	884,58			35,38
Spc0010	Eje 11 Surf	0,045	483,60			21,76
						88,080

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
04	ESTRUCTURAS					
04.01	VIADUCTOS					
04.01.01	VD1-PUENTE 1					
04.01.01.01	TRABAJOS PREVIOS Y CIMENTACIONES					
300.0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS					
Spc0010	ENCEPADO PILAS	2	10,30	9,05		186,43
Spc0010	ESTRIBO 1	1	14,50	10,25		148,63
Spc0010	ESTRIBO 2	1	14,50	10,25		148,63
						483,690
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO					
Spc0010	ENCEPADO PILAS	2	8,30	7,05	2,00	234,06
Spc0010	ESTRIBO 1	1	12,50	8,25	1,85	190,78
Spc0010	ESTRIBO 2	1	12,50	8,25	1,85	190,78
						615,620
332.0050	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA					
Spc0010	ENCEPADO PILAS	2	8,30	7,10	2,00	235,72
Spc0010		-2	6,25	5,05	1,50	-94,69
Spc0010	ESTRIBO 1	1	12,50	8,25	1,85	190,78
Spc0010		-1	10,50	6,30	1,40	-92,61
Spc0010	ESTRIBO 2	1	12,50	8,25	1,85	190,78
Spc0010		-1	10,50	6,30	1,40	-92,61
						337,370
680.1000	ud EQUIPO Y MEDIOS AUXILIARES PILOTES HASTA 1200 mm					
Spc0010	MAQUINARIA PILOTES	1				1,00
						1,000
680.1020	ud EQUIPO Y MEDIOS AUXILIARES PARA CAMBIO ENTRE TAJOS DE PILOTES DE HASTA 1200 mm DISTANCIADOS MÁS DE 2 km CON GÓNDOLA					
Spc0010	MAQUINARIA PILOTES	1				1,00
						1,000
308.0060	ud ENSAYO POR "CROSS-HOLE" ULTRASÓNICO (4 TUBOS, 6 DIAGRAFÍAS POR PILOTE) HASTA 35 m DE PROFUNDIDAD					
Spc0010	ESTRIBO 1	6				6,00
Spc0010	ESTRIBO 2	6				6,00
Spc0010	PILAS	8				8,00
						20,000
308.0020	m SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEG					
Spc0010	ESTRIBO 1	24	20,00			480,00
Spc0010	ESTRIBO 2	24	20,00			480,00
Spc0010	PILAS	32	20,00			640,00
						1.600,000
610.0010	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA					
Spc0010	ENCEPADO PILAS	2	6,30	5,05	0,10	6,36
Spc0010	ESTRIBO 1	1	10,50	6,25	0,10	6,56
Spc0010	ESTRIBO 2	1	10,50	6,25	0,10	6,56
Spc0010	LOSAS TRANSICIÓN	2	5,00	9,80	0,10	9,80
						29,280
671.0050	m PILOTE DE DIÁMETRO DE 1000 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD					
Spc0010	ESTRIBO 1	6	12,50			75,00
Spc0010	ESTRIBO 2	6	12,50			75,00
Spc0010	PILAS	8	10,00			80,00
						230,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	ENCEPADO PILAS	2	47,30		100,00	9.460,00
Spc0010	ESTRIBO 1	1	88,60		100,00	8.860,00
Spc0010	ESTRIBO 2	1	88,60		100,00	8.860,00
Spc0010	PILOTES E1	6	20,00	0,79	100,00	9.480,00
Spc0010	PILOTES E2	6	20,00	0,79	100,00	9.480,00
Spc0010	LOSAS TRANSICIÓN	2	29,40		60,00	3.528,00
Spc0010	PILOTES PILAS	8	20,00	0,79	100,00	12.640,00
						62.308,000
680.0010	m² ENCOFRADO OCULTO PLANO					
Spc0010	ENCEPADO PILAS	4	6,25		1,50	37,50
Spc0010		4		5,05	1,50	30,30
Spc0010	ESTRIBO 1	2	6,25		1,35	16,88
Spc0010		2	10,50		1,35	28,35
Spc0010	ESTRIBO 2	2	6,25		1,35	16,88
Spc0010		2	10,50		1,35	28,35
Spc0010	LOSAS TRANSICIÓN	2	10,50		0,30	6,30
Spc0010		2	5,00		0,30	3,00
						167,560
610.0060	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS					
Spc0010	ENCEPADO PILAS	2	6,30	5,10	1,50	96,39
Spc0010	ESTRIBO 1	1	10,50	6,25	1,35	88,59
Spc0010	ESTRIBO 2	1	10,50	6,25	1,35	88,59
Spc0010	PILOTES E1	6	20,00	0,79		94,80
Spc0010	PILOTES E2	6	20,00	0,79		94,80
Spc0010	LOSAS TRANSICIÓN	2	5,00	9,80	0,30	29,40
Spc0010	PILOTES PILAS	8	20,00	0,79		126,40
						618,970
690.0070	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP					
Spc0010	ENCEPADO PILAS	4	6,25		1,50	37,50
Spc0010		4	5,05		1,50	30,30
Spc0010	ESTRIBO 1	2	6,25		1,35	16,88
Spc0010		2	10,50		1,35	28,35
Spc0010	ESTRIBO 2	2	6,25		1,35	16,88
Spc0010		2	10,50		1,35	28,35
Spc0010	LOSAS TRANSICIÓN	2	10,50		0,30	6,30
Spc0010		2	5,00		0,30	3,00
						167,560
671.1060	m MICROPILOTE HASTA 180 mm INYECCIÓN TIPO IRS LECHADA HASTA 40 kg CEMENTO					
Spc0010	MICROS 180 mm	28	12,00			336,00
Spc0010		28	12,00			336,00
						672,000
671.1220	t ACERO PARA ARMADURA TUBULAR PARA MICROPILOTES (INCLUIDO UNIONES ROSCADAS).					
Spc0010	MICROS	28	12,00	0,02		6,72
Spc0010		28	12,00	0,02		6,72
						13,440
675.1060	m ANCLAJE PROVISIONAL CON INYECCIÓN REPETITIVA Y SELECTIVA (IRS) TIPO 2B (8 CABLES)					
Spc0010	ANCLAJES /3,5 M	3	20,00			60,00
Spc0010		3	20,00			60,00
						120,000
675.1250	ud PARTE FIJA DEL ANCLAJE TIPO 1, 2A, 2B, 5, 6A Y 6B					
Spc0010	CABEZAS ANCLAJES	6				6,00
						6,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
04.01.01.02 ALZADOS						
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	PILAS	2	1,77	200,00	6,25	4.425,00
Spc0010	DINTEL PILAS	240	1,50	3,10	1,25	1.395,00
Spc0010	ESTRIBO 1	150	10,00	0,85	9,00	11.475,00
Spc0010		300	5,00	0,50	9,00	6.750,00
Spc0010	ESTRIBO 2	150	10,00	0,85	8,00	10.200,00
Spc0010		300	5,00	0,50	8,00	6.000,00
						40.245,000
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	PILAS	2		1,80	6,25	22,50
Spc0010	DINTEL PILAS	2	1,50	3,10	1,25	11,63
Spc0010	ESTRIBO 1	1	10,00	0,85	9,00	76,50
Spc0010		2	5,00	0,50	9,00	45,00
Spc0010	ESTRIBO 2	1	10,00	0,85	8,00	68,00
Spc0010		2	5,00	0,50	8,00	40,00
						263,630
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010	DINTEL PILAS	4	1,50		1,25	7,50
Spc0010		4	3,10		1,25	15,50
Spc0010	ESTRIBO 1	2	10,00		9,00	180,00
Spc0010		4		5,00	9,00	180,00
Spc0010	ESTRIBO 2	2	10,00		8,00	160,00
Spc0010		4		5,00	8,00	160,00
						703,000
680.0040	m² ENCOFRADO VISTO CURVO					
Spc0010	PILAS	2	4,70		6,25	58,75
						58,750
682.0010	m³ ALIGERAMIENTO DE POLIESTIRENO EXPANDIDO					
Spc0010	LOSAS TRANSICIÓN	2	9,40	0,02	0,30	0,11
						0,110
690.0050	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA					
Spc0010	ESTRIBO 1	1	10,00		9,00	90,00
Spc0010		2		5,00	9,00	90,00
Spc0010	ESTRIBO 2	1	10,00		8,00	80,00
Spc0010		2		5,00	8,00	80,00
						340,000

04.01.01.03 TABLERO						
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	TABLERO	1	714,40	0,22	125,00	19.646,00
						19.646,000
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	TABLERO	1	76,00	9,40	0,22	157,17
						157,170
630.3010	m² PRELOSA PREFABRICADA DE HORMIGÓN CON CELOSÍA DE HASTA 8 cm DE ESPESOR					
Spc0010	TABLERO	1	76,00	9,40		714,40
						714,400
690.0031	m² IMPERMEABILIZACIÓN DE TABLEROS DE PUENTES CON LÁMINA SBS EN SISTEMA BICAPA					
Spc0010	TABLERO	1	76,00	9,40		714,40
						714,400

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
614.0100	m VIGA PREFABRICADA PRETENSADA ARTESA TIPO MONOCAJÓN DE H=120 cm					
Spc0010	TABLERO		76,00		76,00	
						76,000
601.0020	kg ACERO ESPECIAL Y1030H EN BARRAS PARA PRETENSAR					
Spc0010	CONEXIÓN	36	3,00	9,86		1.064,88
						1.064,880
04.01.01.04 ACABADOS Y EQUIPAMIENTOS						
692.0100	dm³ APARATO DE APOYO DE NEOPRENO ZUNCHADO (STANDARD, ANCLADO O GOFRADO) SUSTITUIBLE					
Spc0010	PILAS	4	27,60		110,40	
Spc0010	ESTRIBOS	4	27,60		110,40	
						220,800
690.0080	ud SUMIDERO DE FUNDICIÓN 200 MM X 200 MM					
Spc0010	SUMIDEROS	4			4,00	
						4,000
694.0020	m JUNTA DE DILATACIÓN PARA TABLERO DE 70 mm DE MOVIMIENTO MÁXIMO, TIPO JNA O SIMILAR					
Spc0010	ESTRIBOS	2	9,40		18,80	
						18,800
695.0020	ud REDACCIÓN DE "PROYECTO E INFORME DE PRUEBA DE CARGA" EN PUENTE HIPERESTÁTICO					
Spc0010	PRUEBA DE CARGA	1			1,00	
						1,000
695.0120	día PUESTA A DISPOSICIÓN Y PRESTACIÓN DE SERVICIO DE VEHICULO DE SUMINISTRO DE CARGA					
Spc0010	PRUEBA DE CARGA	6			6,00	
						6,000
695.0100	ud REALIZACIÓN DE PRUEBA DE CARGA EN PUENTE HIPERESTÁTICO DE HASTA 4 VANOS DE LUZ MÁXIMA > 40 m					
Spc0010	PRUEBA DE CARGA	1			1,00	
						1,000

04.01.02 VD2-PUENTE 2

04.01.02.01 TRABAJOS PREVIOS Y CIMENTACIONES						
300.0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS					
Spc0010	ENCEPADO PILAS	3	10,30	9,05		279,65
Spc0010	ESTRIBO 1	1	14,50	10,25		148,63
Spc0010	ALETA	1	13,50	5,00		67,50
Spc0010	ESTRIBO 2	1	14,50	10,25		148,63
						644,410
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO					
Spc0010	ENCEPADO PILAS	3	8,30	7,05	2,00	351,09
Spc0010	ESTRIBO 1	1	12,50	8,25	1,85	190,78
Spc0010	ALETA	1	13,50	6,50	1,85	162,34
Spc0010	ESTRIBO 2	1	12,50	8,25	1,85	190,78
						894,990
332.0050	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA					
Spc0010	ENCEPADO PILAS	3	8,30	7,10	2,00	353,58
Spc0010		-3	6,25	5,05	1,50	-142,03
Spc0010	ESTRIBO 1	1	12,50	8,25	1,85	190,78
Spc0010		-1	10,50	6,30	1,40	-92,61
Spc0010		-1	13,30	3,00	0,60	-23,94
Spc0010	ESTRIBO 2	1	12,50	8,25	1,85	190,78

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
Spc0010	ALETA	1	13,50	6,50	1,85	162,34
Spc0010		-1	10,50	5,00	1,40	-73,50
						565,400
680.1000	ud EQUIPO Y MEDIOS AUXILIARES PILOTES HASTA 1200 mm					
Spc0010	MAQUINARIA	1				1,00
						1,000
680.1020	ud EQUIPO Y MEDIOS AUXILIARES PARA CAMBIO ENTRE TAJOS DE PILOTES DE HASTA 1200 mm DISTANCIADOS MÁS DE 2 km CON GÓNDOLA					
Spc0010	MAQUINARIA	1				1,00
						1,000
308.0060	ud ENSAYO POR "CROSS-HOLE" ULTRASÓNICO (4 TUBOS, 6 DIAGRAFÍAS POR PILOTE) HASTA 35 m DE PROFUNDIDAD					
Spc0010	ESTRIBO 1	6				6,00
Spc0010	ESTRIBO 2	6				6,00
Spc0010	PILAS	12				12,00
						24,000
308.0020	m SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEG					
Spc0010	ESTRIBO 1	24	6,50			156,00
Spc0010	ESTRIBO 2	24	6,50			156,00
Spc0010	PILAS	48	8,00			384,00
						696,000
671.0050	m PILOTE DE DIÁMETRO DE 1000 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD					
Spc0010	ESTRIBO 1	6	6,50			39,00
Spc0010	ESTRIBO 2	6	6,50			39,00
Spc0010	PILAS	12	8,00			96,00
						174,000
610.0010	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA					
Spc0010	ENCEPADO PILAS	3	6,30	5,05	0,10	9,54
Spc0010	ESTRIBO 1	1	10,50	6,25	0,10	6,56
Spc0010	ESTRIBO 2	1	10,50	6,25	0,10	6,56
Spc0010	LOSAS TRANSICIÓN	2	5,00	9,80	0,10	9,80
						32,460
680.0010	m² ENCOFRADO OCULTO PLANO					
Spc0010	ENCEPADO PILAS	12	6,25		1,50	112,50
Spc0010		12		5,05	1,50	90,90
Spc0010	ESTRIBO 1	2	6,25		1,35	16,88
Spc0010		2	10,50		1,35	28,35
Spc0010	ALETA	2	13,50		0,60	16,20
Spc0010		1		5,00	0,60	3,00
Spc0010	ESTRIBO 2	2	6,25		1,35	16,88
Spc0010		2	10,50		1,35	28,35
Spc0010	LOSAS TRANSICIÓN	2		9,40	0,30	5,64
Spc0010		2	5,00		0,30	3,00
						321,700
610.0060	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS					
Spc0010	ENCEPADO PILAS	3	6,30	5,10	1,50	144,59
Spc0010	ESTRIBO 1	1	10,50	6,25	1,35	88,59
Spc0010	ALETA	1	13,50	5,00	0,60	40,50
Spc0010	ESTRIBO 2	1	10,50	6,25	1,35	88,59
Spc0010	PILOTES E1	6	6,50	0,79		30,81
Spc0010	PILOTES E2	6	6,50	0,79		30,81
Spc0010	LOSAS TRANSICIÓN	2	5,00	9,80	0,30	29,40
Spc0010	PILOTES PILAS	12	8,00	0,79		75,84
						529,130
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	ENCEPADO PILAS	300	6,30	5,10	1,50	14.458,50
Spc0010	ESTRIBO 1	100	10,50	6,25	1,35	8.859,38
Spc0010	ALETA	100	13,50	5,00	0,60	4.050,00
Spc0010	ESTRIBO 2	100	10,50	6,25	1,35	8.859,38
Spc0010	PILOTES E1	6	6,50	0,79	100,00	3.081,00

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
Spc0010	PILOTES E2	6	6,50	0,79	100,00	3.081,00
Spc0010	LOSAS TRANSICIÓN	120	5,00	9,80	0,30	1.764,00
Spc0010	PILOTES PILAS	12	8,00	0,79	100,00	7.584,00
						51.737,260
690.0070	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP					
Spc0010	ENCEPADO PILAS	6	6,25		1,50	56,25
Spc0010		6		5,05	1,50	45,45
Spc0010	ESTRIBO 1	2	6,25		1,35	16,88
Spc0010		2	10,50		1,35	28,35
Spc0010	ALETA	1	13,50	5,00		67,50
Spc0010		2	13,50		0,60	16,20
Spc0010	ESTRIBO 2	2	6,25		1,35	16,88
Spc0010		2	10,50		1,35	28,35
Spc0010	LOSAS TRANSICIÓN	2	10,50		0,30	6,30
Spc0010		2	5,00		0,30	3,00
						285,160
671.1060	m MICROPILOTE HASTA 180 mm INYECCIÓN TIPO IRS LECHADA HASTA 40 kg CEMENTO					
Spc0010	CONTENCION PROVISIONAL	28			12,00	336,00
Spc0010		100			12,00	1.200,00
Spc0010		80			12,00	960,00
						2.496,000
671.1220	t ACERO PARA ARMADURA TUBULAR PARA MICROPILOTES (INCLUIDO UNIONES ROSCADAS).					
Spc0010	MICROS	28	12,00	0,02		6,72
Spc0010		100	12,00	0,02		24,00
Spc0010		80	12,00	0,02		19,20
						49,920
675.1060	m ANCLAJE PROVISIONAL CON INYECCIÓN REPETITIVA Y SELECTIVA (IRS) TIPO 2B (8 CABLES)					
Spc0010	ANCLAJES PROVISIONALES,/3 M	3	20,00			60,00
Spc0010		9	20,00			180,00
Spc0010		7	20,00			140,00
						380,000
675.1250	ud PARTE FIJA DEL ANCLAJE TIPO 1, 2A, 2B, 5, 6A Y 6B					
Spc0010	CABEZAS ANCLAJES	19				19,00
						19,000

04.01.02.02 ALZADOS

600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	PILAS	3	1,77	200,00	6,25	6.637,50
Spc0010	DINTEL PILAS	360	1,50	3,10	1,25	2.092,50
Spc0010	ESTRIBO 1	150	10,00	0,85	9,00	11.475,00
Spc0010		300	5,00	0,50	9,00	6.750,00
Spc0010	ALETA	150	13,50	0,50	4,50	4.556,25
Spc0010	ESTRIBO 2	150	10,00	0,85	8,00	10.200,00
Spc0010		300	5,00	0,50	8,00	6.000,00
						47.711,250
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	PILAS	3		1,80	6,25	33,75
Spc0010	DINTEL PILAS	3	1,50	3,10	1,25	17,44
Spc0010	ESTRIBO 1	1	10,00	0,85	9,00	76,50
Spc0010		2	5,00	0,50	9,00	45,00
Spc0010	ALETA	1	13,50	0,50	4,50	30,38
Spc0010	ESTRIBO 2	1	10,00	0,85	8,00	68,00
Spc0010		2	5,00	0,50	8,00	40,00
						311,070

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010	DINTEL PILAS	6	1,50		1,25	11,25
Spc0010		6	3,10		1,25	23,25
Spc0010	ESTRIBO 1	2	10,00		9,00	180,00
Spc0010		4		5,00	9,00	180,00
Spc0010	ALETA	2	13,50		4,50	121,50
Spc0010	ESTRIBO 2	2	10,00		8,00	160,00
Spc0010		4		5,00	8,00	160,00
						836,000
680.0040	m² ENCOFRADO VISTO CURVO					
Spc0010	PILAS	3	4,70		6,25	88,13
						88,130
682.0010	m³ ALIGERAMIENTO DE POLIESTIRENO EXPANDIDO					
Spc0010	LOSAS TRANSICIÓN	2	9,40	0,02	0,30	0,11
						0,110
690.0050	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA					
Spc0010	ESTRIBO 1	1	10,00		9,00	90,00
Spc0010		2		5,00	9,00	90,00
Spc0010	ALETA	1	13,50		4,50	60,75
Spc0010	ESTRIBO 2	1	10,00		8,00	80,00
Spc0010		2		5,00	8,00	80,00
						400,750
04.01.02.03	TABLERO					
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	TABLERO		1.006,50	0,22	175,00	38.750,25
						38.750,250
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	TABLERO	1	110,00	9,15	0,22	221,43
						221,430
630.3010	m² PRELOSA PREFABRICADA DE HORMIGÓN CON CELOSÍA DE HASTA 8 cm DE ESPESOR					
Spc0010	TABLERO		110,00	9,15		1.006,50
						1.006,500
690.0031	m² IMPERMEABILIZACIÓN DE TABLEROS DE PUENTES CON LÁMINA SBS EN SISTEMA BICAPA					
Spc0010	TABLERO		110,00	9,15		1.006,50
						1.006,500
614.0100	m VIGA PREFABRICADA PRETENSADA ARTESA TIPO MONOCAJÓN DE H=120 cm					
Spc0010	TABLERO	1	110,00			110,00
						110,000
601.0020	kg ACERO ESPECIAL Y1030H EN BARRAS PARA PRETENSAR					
Spc0010	CONEXIÓN	36	3,00	9,86		1.064,88
						1.064,880

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
04.01.02.04	ACABADOS Y EQUIPAMIENTOS					
692.0100	dm³ APARATO DE APOYO DE NEOPRENO ZUNCHADO (STANDARD, ANCLADO O GOFRADO) SUSTITUIBLE					
Spc0010	PILAS	6	27,60			165,60
Spc0010	ESTRIBOS	4	27,60			110,40
						276,000
690.0080	ud SUMIDERO DE FUNDICIÓN 200 MM X 200 MM					
Spc0010	SUMIDEROS	4				4,00
						4,000
694.0020	m JUNTA DE DILATACIÓN PARA TABLERO DE 70 mm DE MOVIMIENTO MÁXIMO, TIPO JNA O SIMILAR					
Spc0010	ESTRIBOS	2	9,15			18,30
						18,300
695.0020	ud REDACCIÓN DE "PROYECTO E INFORME DE PRUEBA DE CARGA" EN PUENTE HIPERESTÁTICO					
Spc0010	PRUEBA DE CARGA	1				1,00
						1,000
695.0120	día PUESTA A DISPOSICIÓN Y PRESTACIÓN DE SERVICIO DE VEHÍCULO DE SUMINISTRO DE CARGA					
Spc0010	PRUEBA DE CARGA	6				6,00
						6,000
695.0100	ud REALIZACIÓN DE PRUEBA DE CARGA EN PUENTE HIPERESTÁTICO DE HASTA 4 VANOS DE LUZ MÁXIMA > 40 m					
Spc0010	PRUEBA DE CARGA	1				1,00
						1,000
04.01.03	VD3A-PUENTE BARRANCO DE LA FUENTE					
04.01.03.01	TRABAJOS PREVIOS Y CIMENTACIONES					
300.0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS					
Spc0010	ENCEPADO PILAS	4	6,40	4,40		112,64
Spc0010	ESTRIBO 1	1	19,00	10,25		194,75
Spc0010	ESTRIBO 2	1	19,00	10,25		194,75
						502,140
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO					
Spc0010	ENCEPADO PILAS	4	6,40	4,40	2,00	225,28
Spc0010	ESTRIBO 1	1	17,00	8,25	1,85	259,46
Spc0010	ESTRIBO 2	1	17,00	9,60	1,85	301,92
						786,660
332.0050	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA					
Spc0010	ENCEPADO PILAS	4	6,40	4,40	2,00	225,28
Spc0010		-4	4,40	2,40	1,50	-63,36
Spc0010	ESTRIBO 1	1	17,00	8,25	1,85	259,46
Spc0010		-1	15,00	6,25	1,40	-131,25
Spc0010	ESTRIBO 2	1	17,00	9,60	1,85	301,92
Spc0010		-1	14,00	8,60	1,80	-216,72
						375,330
680.1000	ud EQUIPO Y MEDIOS AUXILIARES PILOTES HASTA 1200 mm					
Spc0010	MAQUINARIA	1				1,00
						1,000
680.1020	ud EQUIPO Y MEDIOS AUXILIARES PARA CAMBIO ENTRE TAJOS DE PILOTES DE HASTA 1200 mm DISTANCIADOS MÁS DE 2 km CON GÓNDOLA					
Spc0010	MAQUINARIA	1				1,00
						1,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
671.0060	m PILOTE DE DIÁMETRO DE 1200 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD					
Spc0010	ESTRIBO 2	15	12,00			180,00
						180,000
671.0050	m PILOTE DE DIÁMETRO DE 1000 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD					
Spc0010	ESTRIBO 1	8	11,50			92,00
						92,000
671.0040	m PILOTE DE DIÁMETRO DESDE 650 HASTA 850 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD					
Spc0010	PILAS	8	9,50			76,00
						76,000
308.0060	ud ENSAYO POR "CROSS-HOLE" ULTRASÓNICO (4 TUBOS, 6 DIAGRAFÍAS POR PILOTE) HASTA 35 m DE PROFUNDIDAD					
Spc0010	ESTRIBO 1	8	11,50			92,00
Spc0010	ESTRIBO 2	8	12,00			96,00
Spc0010	PILAS	8	9,50			76,00
						264,000
308.0020	m SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEG					
Spc0010	ESTRIBO 1	32	11,50			368,00
Spc0010	ESTRIBO 2	60	12,00			720,00
Spc0010	PILAS	24	9,50			228,00
						1.316,000
610.0010	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA					
Spc0010	ENCEPADO PILAS	4	4,60	2,60	0,10	4,78
Spc0010	ESTRIBO 1	1	15,20	6,45	0,10	9,80
Spc0010	ESTRIBO 2	1	14,20	8,70	0,10	12,35
Spc0010	LOSAS TRANSICIÓN	2	5,00	12,80	0,10	12,80
						39,730
680.0010	m² ENCOFRADO OCULTO PLANO					
Spc0010	ENCEPADO PILAS	8	4,40		1,50	52,80
Spc0010		8		2,40	1,50	28,80
Spc0010	ESTRIBO 1	2	15,00		1,35	40,50
Spc0010		2		6,25	1,35	16,88
Spc0010	ESTRIBO 2	2	14,00		1,80	50,40
Spc0010		2		8,60	1,80	30,96
Spc0010	LOSAS TRANSICIÓN	4		12,80	0,30	15,36
Spc0010		4	5,00		0,30	6,00
						241,700
610.0060	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS					
Spc0010	ENCEPADO PILAS	4	4,40	2,40	1,50	63,36
Spc0010	ESTRIBO 1	1	15,00	6,25	1,35	126,56
Spc0010	ESTRIBO 2	1	14,00	8,60	1,80	216,72
Spc0010	PILOTES E1	8	11,50	0,79		72,68
Spc0010	PILOTES E2	15	12,00	1,13		203,40
Spc0010	PILOTES PILAS	8	9,50	0,57		43,32
Spc0010	LOSAS TRANSICIÓN	2	5,00	12,80	0,30	38,40
						764,440
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	ENCEPADO PILAS	400	4,40	2,40	1,50	6.336,00
Spc0010	ESTRIBO 1	125	15,00	6,25	1,35	15.820,31
Spc0010	ESTRIBO 2	200	14,00	8,60	1,80	43.344,00
Spc0010	PILOTES E1	8	11,50	0,79	100,00	7.268,00
Spc0010	PILOTES E2	15	12,00	1,13	100,00	20.340,00
Spc0010	PILOTES PILAS	8	9,50	0,57	100,00	4.332,00
Spc0010	LOSAS TRANSICIÓN	120	5,00	12,80	0,30	2.304,00
						99.744,310

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
690.0070	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP					
Spc0010	ENCEPADO PILAS	8	4,40		1,50	52,80
Spc0010		8		2,40	1,50	28,80
Spc0010		4	4,40	2,40		42,24
Spc0010	ESTRIBO 1	2	15,00		1,35	40,50
Spc0010		2		6,25	1,35	16,88
Spc0010		1	15,00	6,25		93,75
Spc0010	ESTRIBO 2	2	14,00		1,80	50,40
Spc0010		2		8,60	1,80	30,96
Spc0010		1	14,00	8,60		120,40
Spc0010	LOSAS TRANSICIÓN	4		12,80	0,30	15,36
Spc0010		4	5,00		0,30	6,00
Spc0010		2	12,80	5,00		128,00
						626,090
04.01.03.02	ALZADOS					
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	PILAS	4	0,79	200,00	10,80	6.825,60
Spc0010	ESTRIBO 1	150	12,80	0,85	6,00	9.792,00
Spc0010	ESTRIBO 2	150	12,80	1,35	13,00	33.696,00
Spc0010	ALETAS E1	300	5,00	0,50	6,00	4.500,00
Spc0010	ALETAS E2	300	7,00	1,35	13,00	36.855,00
Spc0010	DINTELES	240	12,80	1,50	1,20	5.529,60
						97.198,200
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	PILAS	4	0,79		10,80	34,13
Spc0010	ESTRIBO 1	1	12,80	0,85	6,00	65,28
Spc0010	ESTRIBO 2	1	12,80	1,35	13,00	224,64
Spc0010	ALETAS E1	2	5,00	0,50	6,00	30,00
Spc0010	ALETAS E2	2	7,00	1,35	13,00	245,70
Spc0010	DINTELES	2	12,80	1,50	1,20	46,08
						645,830
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010	ESTRIBO 1	2		12,80	6,00	153,60
Spc0010	ESTRIBO 2	2		12,80	13,00	332,80
Spc0010	ALETAS E1	4		5,00	6,00	120,00
Spc0010	ALETAS E2	4		7,00	13,00	364,00
Spc0010	DINTELES	4	12,80		1,20	61,44
Spc0010		4		1,50	1,20	7,20
						1.039,040
680.0040	m² ENCOFRADO VISTO CURVO					
Spc0010	PILAS	4	3,14		10,80	135,65
						135,650
690.0050	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA					
Spc0010	ESTRIBO 1	1		12,80	6,00	76,80
Spc0010	ESTRIBO 2	1		12,80	13,00	166,40
Spc0010	ALETAS E1	2		5,00	6,00	60,00
Spc0010	ALETAS E2	2		7,00	13,00	182,00
						485,200
682.0010	m³ ALIGERAMIENTO DE POLIESTIRENO EXPANDIDO					
Spc0010	LOSAS TRANSICIÓN	2	14,20	0,02	0,30	0,17
						0,170

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
04.01.03.03 TABLERO						
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	TABLERO	125	56,45	12,80	0,21	18.967,20
						18.967,200
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	TABLERO	1	56,45	12,80	0,21	151,74
						151,740
614.1020	m VIGA PREFABRICADA DOBLE T DE H=120 cm					
Spc0010	TABLERO	6	56,40			338,40
						338,400
630.3000	m² PRELOSA PREFABRICADA DE HORMIGÓN DE HASTA 6 cm DE ESPESOR					
Spc0010	TABLERO	1	56,45	12,80		722,56
						722,560
690.0031	m² IMPERMEABILIZACIÓN DE TABLEROS DE PUENTES CON LÁMINA SBS EN SISTEMA BICAPA					
Spc0010	TABLERO	1	56,45	12,80		722,56
						722,560
04.01.03.04 ACABADOS Y EQUIPAMIENTO						
692.0100	dm³ APARATO DE APOYO DE NEOPRENO ZUNCHADO (STANDARD, ANCLADO O GOFRADO) SUSTITUIBLE					
Spc0010	PILAS	4	6,00	5,44		130,56
Spc0010	ESTRIBOS	2	6,00	5,44		65,28
						195,840
690.0080	ud SUMIDERO DE FUNDICIÓN 200 MM X 200 MM					
Spc0010	SUMIDEROS	4				4,00
						4,000
694.0010	m JUNTA DE DILATACIÓN PARA TABLERO DE 50 mm DE MOVIMIENTO MÁXIMO, TIPO JNA O SIMILAR					
Spc0010	ESTRIBOS	2	12,80			25,60
						25,600
695.0010	ud REDACCIÓN DE "PROYECTO E INFORME DE PRUEBA DE CARGA" EN PUENTE ISOSTÁTICO					
Spc0010	PRUEBA DE CARGA	1				1,00
						1,000
695.0120	día PUESTA A DISPOSICIÓN Y PRESTACIÓN DE SERVICIO DE VEHÍCULO DE SUMINISTRO DE CARGA					
Spc0010	PRUEBA DE CARGA	6				6,00
						6,000
695.0060	ud REALIZACIÓN DE PRUEBA DE CARGA EN PUENTE ISOSTÁTICO DE UN VANO > 20 m O EN EL 1ER VANO DE UN PUENTE DE VARIOS VANOS ISOSTÁTICOS					
Spc0010	PRUEBA DE CARGA	1				1,00
						1,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
04.01.04 VD3B-AMPLIACIÓN BARRANCO DE LA FUENTE						
04.01.04.01 TRABAJOS PREVIOS Y CIMENTACIONES						
300.0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS					
Spc0010	ENCEPADO PILAS	6	6,40	4,40		168,96
Spc0010	ESTRIBO 1	1	19,00	10,25		194,75
Spc0010	ESTRIBO 2	1	19,00	10,25		194,75
						558,460
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO					
Spc0010	ENCEPADO PILAS	6	6,40	4,40	2,00	337,92
Spc0010	ESTRIBO 1	1	17,00	8,25	1,85	259,46
Spc0010	ESTRIBO 2	1	17,00	8,25	1,85	259,46
						856,840
332.0050	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA					
Spc0010	ENCEPADO PILAS	6	6,40	4,40	2,00	337,92
Spc0010		-6	4,40	2,40	1,50	-95,04
Spc0010	ESTRIBO 1	1	17,00	8,25	1,85	259,46
Spc0010		-1	15,00	6,25	1,40	-131,25
Spc0010	ESTRIBO 2	1	17,00	8,25	1,85	259,46
Spc0010		-1	15,00	6,25	1,40	-131,25
						499,300
680.1000	ud EQUIPO Y MEDIOS AUXILIARES PILOTES HASTA 1200 mm					
Spc0010	MAQUINARIA	1				1,00
						1,000
680.1020	ud EQUIPO Y MEDIOS AUXILIARES PARA CAMBIO ENTRE TAJOS DE PILOTES DE HASTA 1200 mm DISTANCIADOS MÁS DE 2 km CON GÓNDOLA					
Spc0010	MAQUINARIA	1				1,00
						1,000
671.0040	m PILOTE DE DIÁMETRO DESDE 650 HASTA 850 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD					
Spc0010	ESTRIBO 1	5	9,50			47,50
Spc0010	ESTRIBO 2	5	9,50			47,50
Spc0010	PILAS	12	9,50			114,00
						209,000
308.0060	ud ENSAYO POR "CROSS-HOLE" ULTRASÓNICO (4 TUBOS, 6 DIAGRAFÍAS POR PILOTE) HASTA 35 m DE PROFUNDIDAD					
Spc0010	ESTRIBO 1	5				5,00
Spc0010	ESTRIBO 2	5				5,00
Spc0010	PILAS	12				12,00
						22,000
308.0020	m SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEG					
Spc0010	ESTRIBO 1	15	9,50			142,50
Spc0010	ESTRIBO 2	15	9,50			142,50
Spc0010	PILAS	18	9,50			171,00
						456,000
610.0010	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA					
Spc0010	ENCEPADO PILAS	6	4,60	2,60	0,10	7,18
Spc0010	ESTRIBO 1	1	15,20	6,45	0,10	9,80
Spc0010	ESTRIBO 2	1	15,20	6,45	0,10	9,80
Spc0010	LOSAS TRANSICIÓN	2	5,00	14,20	0,10	14,20
						40,980
680.0010	m² ENCOFRADO OCULTO PLANO					
Spc0010	ENCEPADO PILAS	12	4,40		1,50	79,20
Spc0010		12		2,40	1,50	43,20
Spc0010	ESTRIBO 1	2	6,25		1,35	16,88
Spc0010		2	15,00		1,35	40,50
Spc0010	ESTRIBO 2	2	6,25		1,35	16,88
Spc0010		2	15,00		1,35	40,50
Spc0010	LOSAS TRANSICIÓN	2	14,20		0,30	8,52
Spc0010		2	5,00		0,30	3,00

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
						248,680
610.0060	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS					
Spc0010	ENCEPADO PILAS	6	4,40	2,40	1,50	95,04
Spc0010	ESTRIBO 1	1	15,00	6,25	1,35	126,56
Spc0010	ESTRIBO 2	1	15,00	6,25	1,35	126,56
Spc0010	PILOTES E1	5	9,50	0,57		27,08
Spc0010	PILOTES E2	5	9,50	0,57		27,08
Spc0010	PILOTES PILAS	12	9,50	0,57		64,98
Spc0010	LOSAS TRANSICIÓN	2	5,00	14,20	0,30	42,60
						509,900
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	ENCEPADO PILAS	6	15,84		100,00	9.504,00
Spc0010	ESTRIBO 1	1	126,56		100,00	12.656,00
Spc0010	ESTRIBO 2	1	126,56		100,00	12.656,00
Spc0010	PILOTES E1	5	9,50	0,57	100,00	2.707,50
Spc0010	PILOTES E2	5	9,50	0,57	100,00	2.707,50
Spc0010	PILOTES PILAS	12	9,50	0,57	100,00	6.498,00
Spc0010	LOSAS TRANSICIÓN	2	21,30		60,00	2.556,00
						49.285,000
690.0070	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP					
Spc0010	ENCEPADO PILAS	12	3,40		1,50	61,20
Spc0010	ESTRIBO 1	2	6,25		1,35	16,88
Spc0010		2	15,00		1,35	40,50
Spc0010	ESTRIBO 2	2	6,25		1,35	16,88
Spc0010		2	15,00		1,35	40,50
Spc0010	LOSAS TRANSICIÓN	2	14,20		0,30	8,52
Spc0010		2	5,00		0,30	3,00
						187,480

04.01.04.02 ALZADOS

600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	PILAS	6	0,80	200,00	10,80	10.368,00
Spc0010	ESTRIBO 1	150	0,60	14,20	3,00	3.834,00
Spc0010	ESTRIBO 2	150	0,75	14,20	7,00	11.182,50
Spc0010	ALETAS E1	300	1,80	0,60	3,00	972,00
Spc0010	ALETAS E2	300	3,00	0,75	7,00	4.725,00
Spc0010	DINTELES	300	14,20	1,50	1,20	7.668,00
						38.749,500
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	PILAS	6	0,79		7,80	36,97
Spc0010	ESTRIBO 1	1	0,60	14,20	3,00	25,56
Spc0010	ESTRIBO 2	1	0,75	14,20	7,00	74,55
Spc0010	ALETAS E1	2	1,80	0,60	3,00	6,48
Spc0010	ALETAS E2	2	3,00	0,75	7,00	31,50
Spc0010	DINTELES	2	14,20	1,50	1,20	51,12
						226,180
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010	ESTRIBO 1	2		14,20	3,00	85,20
Spc0010	ESTRIBO 2	2		14,20	7,00	198,80
Spc0010	ALETAS E1	4		1,80	3,00	21,60
Spc0010	ALETAS E2	4			3,00	84,00
Spc0010	DINTELES	2	14,20		1,20	34,08
Spc0010					1,50	1,80
Spc0010	CABECERO	2	1,60		1,20	3,84
Spc0010					1,60	1,92
						431,240

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
680.0040	m² ENCOFRADO VISTO CURVO					
Spc0010	PILAS	6	3,14		7,80	146,95
						146,950
682.0010	m³ ALIGERAMIENTO DE POLIESTIRENO EXPANDIDO					
Spc0010	LOSAS TRANSICIÓN	2	14,20	0,02	0,30	0,17
						0,170
690.0050	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA					
Spc0010	ESTRIBO 1	1		14,20	3,00	42,60
Spc0010	ESTRIBO 2	1		14,20	7,00	99,40
Spc0010	ALETAS E1	2		1,80	3,00	10,80
Spc0010	ALETAS E2	2		3,00	7,00	42,00
						194,800
04.01.04.03	TABLERO					
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	TABLERO	125	56,40	13,50	0,20	19.035,00
						19.035,000
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	TABLERO	1	56,40	13,50	0,20	152,28
						152,280
614.1020	m VIGA PREFABRICADA DOBLE T DE H=120 cm					
Spc0010	TABLERO	7	56,40			394,80
						394,800
630.3000	m² PRELOSA PREFABRICADA DE HORMIGÓN DE HASTA 6 cm DE ESPESOR					
Spc0010	TABLERO	1	56,40	13,50		761,40
						761,400
690.0031	m² IMPERMEABILIZACIÓN DE TABLEROS DE PUENTES CON LÁMINA SBS EN SISTEMA BICAPA					
Spc0010	TABLERO	1	56,40	13,50		761,40
						761,400
301.0085	m³ HIDRODEMOLICIÓN AUTOMATIZADA					
Spc0010	AMPLIACION 1	2	55,75	0,50	0,25	13,94
Spc0010	AMPLIACION 2	1	55,45	0,50	0,25	6,93
						20,870
SE01N	ud OPERACIONES DE IZADO DE LOS TABLEROS					
Spc0010	IZADO DE 20 CM	1				1,00
						1,000

04.01.04.04 ACABADOS Y EQUIPAMIENTO

692.0100	dm³ APARATO DE APOYO DE NEOPRENO ZUNCHADO (STANDARD, ANCLADO O GOFRADO) SUSTITUIBLE					
Spc0010	PILAS	28	5,40			151,20
Spc0010	ESTRIBOS	14	5,44			76,16
						227,360
690.0080	ud SUMIDERO DE FUNDICIÓN 200 MM X 200 MM					
Spc0010		4				4,00
						4,000
694.0010	m JUNTA DE DILATACIÓN PARA TABLERO DE 50 mm DE MOVIMIENTO MÁXIMO, TIPO JNA O SIMILAR					
Spc0010	ESTRIBOS	2	13,50			27,00
						27,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
695.0010	ud REDACCIÓN DE "PROYECTO E INFORME DE PRUEBA DE CARGA" EN PUENTE ISOSTÁTICO					
Spc0010	PRUEBA DE CARGA	1				1,00
						1,000
695.0120	día PUESTA A DISPOSICIÓN Y PRESTACIÓN DE SERVICIO DE VEHÍCULO DE SUMINISTRO DE CARGA					
Spc0010	PRUEBA DE CARGA	6				6,00
						6,000
695.0060	ud REALIZACIÓN DE PRUEBA DE CARGA EN PUENTE ISOSTÁTICO DE UN VANO > 20 m O EN EL 1ER VANO DE UN PUENTE DE VARIOS VANOS ISOSTÁTICOS					
Spc0010	PRUEBA DE CARGA	1				1,00
						1,000
04.02 PASOS SUPERIORES						
04.02.01 PS1-PASO SUPERIOR 1						
04.02.01.01 TRABAJOS PREVIOS Y CIMENTACIONES						
300.0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS					
Spc0010	ENCEPADO PILAS	2	18,00	10,00		360,00
Spc0010	ESTRIBO 1	1	3,00	18,00		54,00
Spc0010	ESTRIBO 2	1	3,00	18,00		54,00
						468,000
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO					
Spc0010	ENCEPADO PILAS	2	16,00	8,00	2,00	512,00
Spc0010	ESTRIBO 1	1	3,00	18,00	2,00	108,00
Spc0010	ESTRIBO 2	1	3,00	18,00	2,00	108,00
						728,000
332.0050	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA					
Spc0010	ENCEPADO PILAS	2	16,00	8,00	2,00	512,00
Spc0010		-2	14,00	6,00	1,50	-252,00
Spc0010	ESTRIBO 1	1	3,00	18,00	2,00	108,00
Spc0010		-1	2,10	16,30	1,20	-41,08
Spc0010	ESTRIBO 2	1	3,00	18,00	2,00	108,00
Spc0010		-1	2,10	16,30	1,20	-41,08
						393,840
671.0050	m PILOTE DE DIÁMETRO DE 1000 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD					
Spc0010	ESTRIBO 1	5	12,00			60,00
Spc0010	ESTRIBO 2	5	12,00			60,00
Spc0010	PILAS	20	12,00			240,00
						360,000
680.1000	ud EQUIPO Y MEDIOS AUXILIARES PILOTES HASTA 1200 mm					
Spc0010	MAQUINARIA PILOTES	1				1,00
						1,000
680.1020	ud EQUIPO Y MEDIOS AUXILIARES PARA CAMBIO ENTRE TAJOS DE PILOTES DE HASTA 1200 mm DISTANCIADOS MÁS DE 2 km CON GÓNDOLA					
Spc0010	MAQUINARIA PILOTES	1				1,00
						1,000
308.0060	ud ENSAYO POR "CROSS-HOLE" ULTRASÓNICO (4 TUBOS, 6 DIAGRAFÍAS POR PILOTE) HASTA 35 m DE PROFUNDIDAD					
Spc0010	ESTRIBO 1	5				5,00
Spc0010	ESTRIBO 2	5				5,00
Spc0010	PILAS	20				20,00
						30,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
610.0010	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA					
Spc0010	ENCEPADO PILAS	2	14,00	6,00	0,10	16,80
Spc0010	ESTRIBO 1	1	2,00	15,80	0,10	3,16
Spc0010	ESTRIBO 2	1	2,00	15,80	0,10	3,16
Spc0010	LOSAS TRANSICIÓN	2	5,00	15,80	0,10	15,80
						38,920
330.0055	m³ SUELO SELECCIONADO PROCEDENTE DE YACIMIENTO GRANULAR O CANTERA PARA FORMACION DE EXPLANADA					
Spc0010	RELLENO BAJO DEMOLICIÓN	1	57,00	15,00	1,00	855,00
						855,000
308.0020	m SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEG					
Spc0010	ESTRIBO 1	15	12,00			180,00
Spc0010	ESTRIBO 2	15	12,00			180,00
Spc0010	PILAS	60	12,00			720,00
						1.080,000
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	ENCEPADO PILAS	2	126,00		100,00	25.200,00
Spc0010	ESTRIBO 1	1	41,10		100,00	4.110,00
Spc0010	ESTRIBO 2	1	41,10		100,00	4.110,00
Spc0010	PILOTES E1	5	12,00	0,79	100,00	4.740,00
Spc0010	PILOTES PILAS	20	12,00	0,79	100,00	18.960,00
Spc0010	PILOTES E2	5	12,00	0,79	100,00	4.740,00
Spc0010	LOSAS TRANSICIÓN	2	47,40		60,00	5.688,00
						67.548,000
680.0010	m² ENCOFRADO OCULTO PLANO					
Spc0010	ENCEPADO PILAS	4	14,00		1,50	84,00
Spc0010		4		6,00	1,50	36,00
Spc0010	ESTRIBO 1	2	2,00		1,00	4,00
Spc0010		2	15,80		1,00	31,60
Spc0010	ESTRIBO 2	2	2,00		1,00	4,00
Spc0010		2	15,80		1,00	31,60
Spc0010	LOSAS TRANSICIÓN	2	15,80		0,30	9,48
Spc0010		2	5,00		0,30	3,00
						203,680
610.0060	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS					
Spc0010	ENCEPADO PILAS	2	14,00	6,00	1,50	252,00
Spc0010	ESTRIBO 1	1	2,10	16,30	1,20	41,08
Spc0010	ESTRIBO 2	1	2,10	16,30	1,20	41,08
Spc0010	PILOTES E1	5	12,00	0,79		47,40
Spc0010	PILOTES E2	5	12,00	0,79		47,40
Spc0010	LOSAS TRANSICIÓN	2	5,00	15,40	0,30	46,20
Spc0010	PILOTES PILAS	20	12,00	0,79		189,60
						664,760
690.0070	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP					
Spc0010	ENCEPADO PILAS	4	14,00		1,50	84,00
Spc0010		4		6,00	1,50	36,00
Spc0010		2	14,00	6,00		168,00
Spc0010	LOSAS TRANSICIÓN	2	15,80		0,30	9,48
Spc0010		2	5,00		0,30	3,00
						300,480
290.0040	m² SUMINISTRO Y COLOCACIÓN DE GEOTEXTIL NO TEJIDO TIPO 4 COMO FILTRO					
Spc0010	RELLENO BAJO DEMOLICIÓN	1	57,00	15,00		855,00
						855,000
301.0080	m³ DEMOLICIÓN DE LOSA DE HORMIGÓN ARMADO O PRETENSADO, EN TABLERO					
Spc0010	TABLERO	1	57,00	5,50	1,30	407,55
Spc0010		2	57,00	3,25	0,25	92,63
Spc0010	PILAS PISTOLA	4	8,50	1,25	1,00	42,50
Spc0010		4	6,00	2,00	1,00	48,00
						590,680

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
301.0020	m³ DEMOLICIÓN DE FÁBRICA HORMIGÓN ARMADO					
Spc0010	ESTRIBOS	2	12,00	2,00	1,00	48,00
Spc0010		2	12,00	0,50	1,50	18,00
Spc0010		4	2,50	0,80	7,00	56,00
Spc0010		2	6,00	9,00	1,50	162,00
Spc0010	ZAPATAS	2	8,00	8,00	2,50	320,00
						604,000
301.0090	m² CORTE CON DISCO					
Spc0010	PILAS PISTOLA	4	8,50	1,25		42,50
Spc0010		4	6,00	2,00		48,00
						90,500

04.02.01.02 ALZADOS

680.0040	m² ENCOFRADO VISTO CURVO					
Spc0010	PILAS	4	4,00		6,00	96,00
						96,000
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010	ESTRIBO 1	2		16,30	1,50	48,90
Spc0010	ESTRIBO 2	2		16,30	1,50	48,90
Spc0010	ALETAS E1	2		2,20	2,00	8,80
Spc0010	ALETAS E2	2		2,20	2,00	8,80
Spc0010	DINTELES	8		1,75	1,00	14,00
Spc0010		8		2,25	1,00	18,00
						147,400
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	PILAS	4	1,21		6,00	29,04
Spc0010	ESTRIBO 1	1	2,10	16,30	1,20	41,08
Spc0010	ESTRIBO 2	1	2,10	16,30	1,20	41,08
Spc0010	ALETAS E1	0,5	2,00	0,50	2,00	1,00
Spc0010	ALETAS E2	0,5	2,00	0,50	2,00	1,00
Spc0010	DINTELES	4	2,25	1,75	1,00	15,75
						128,950
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	PILAS	4	1,21	150,00	6,00	4.356,00
Spc0010	ESTRIBO 1	1	41,10	200,00		8.220,00
Spc0010	ESTRIBO 2	1	41,10	200,00		8.220,00
Spc0010	ALETAS E1	1	1,00	150,00		150,00
Spc0010	ALETAS E2	1	1,00	150,00		150,00
Spc0010	DINTELES	1	15,75	150,00		2.362,50
						23.458,500
682.0010	m³ ALIGERAMIENTO DE POLIESTIRENO EXPANDIDO					
Spc0010	LOSAS TRANSICIÓN	2	15,80	0,02	0,30	0,19
						0,190
690.0050	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA					
Spc0010	ESTRIBO 1	1		15,80	1,50	23,70
Spc0010	ESTRIBO 2	1		15,80	1,50	23,70
						47,400

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
04.02.01.03	TABLERO					
620.0030	kg ACERO LAMINADO ESTRUCTURAL S355 J2+N EN CHAPAS					
Spc0010	TABLERO	2	107,25	1.903,00		408.193,50
						408.193,500
630.3010	m² PRELOSA PREFABRICADA DE HORMIGÓN CON CELOSÍA DE HASTA 8 cm DE ESPESOR					
Spc0010	TABLERO	1	107,25	15,40		1.651,65
						1.651,650
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	TABLERO	1	107,25	15,40	0,22	363,36
						363,360
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	TABLERO	1	107,25	3,40	175,00	63.813,75
						63.813,750
690.0031	m² IMPERMEABILIZACIÓN DE TABLEROS DE PUENTES CON LÁMINA SBS EN SISTEMA BICAPA					
Spc0010	TABLERO	1	107,25	15,40		1.651,65
						1.651,650
SE02_N	m² PINTURA ESTRUCTURA METÁLICA AMBIENTE C4					
Spc0010	TABLERO	4	107,25		1,75	750,75
Spc0010		2	107,25		2,25	482,63
						1.233,380
04.02.01.04	ACABADOS Y EQUIPAMIENTOS					
692.0100	dm³ APARATO DE APOYO DE NEOPRENO ZUNCHADO (STANDARD, ANCLADO O GOFRADO) SUSTITUIBLE					
Spc0010	PILAS	8	38,30			306,40
Spc0010	ESTRIBOS	8	14,20			113,60
						420,000
690.0080	ud SUMIDERO DE FUNDICIÓN 200 MM X 200 MM					
Spc0010	SUMIDEROS	4				4,00
						4,000
550.0020	m³ PAVIMENTO DE HORMIGÓN EN MASA HF-4,5 CON JUNTAS					
Spc0010	ACERAS	2	107,25	1,80	0,15	57,92
						57,920
S04_N	m BARANDILLA METÁLICA PEATONAL PINTADA S/DO					
Spc0010	BARRANDILLAS	2	120,00			240,00
						240,000
694.0030	m JUNTA DE DILATACIÓN PARA TABLERO DE 80 mm DE MOVIMIENTO MÁXIMO, TIPO JNA O SIMILAR					
Spc0010	ESTRIBOS	2	15,4000			30,8000
						30,800
695.0020	ud REDACCIÓN DE "PROYECTO E INFORME DE PRUEBA DE CARGA" EN PUENTE HIPERESTÁTICO					
Spc0010	PRUEBA CARGA	1				1,00
						1,000
695.0120	día PUESTA A DISPOSICIÓN Y PRESTACIÓN DE SERVICIO DE VEHÍCULO DE SUMINISTRO DE CARGA					
Spc0010	PRUEBA DE CARGA	6				6,00
						6,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CODIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
695.0100	ud REALIZACIÓN DE PRUEBA DE CARGA EN PUENTE HIPERESTÁTICO DE HASTA 4 VANOS DE LUZ MÁXIMA > 40 m					
Spc0010	PRUEBA DE CARGA	1				1,00
						1,000
04.02.02	PS2-PASO SUPERIOR 2					
04.02.02.01	TRABAJOS PREVIOS Y CIMENTACIONES					
300.0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS					
Spc0010	ENCEPADO PILAS	2	18,00	10,00		360,00
Spc0010	ESTRIBO 1	1	3,00	18,00		54,00
Spc0010	ESTRIBO 2	1	8,00	18,00		144,00
						558,000
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO					
Spc0010	ENCEPADO PILAS	2	16,00	8,00	2,00	512,00
Spc0010	ESTRIBO 1	1	3,00	18,00	2,00	108,00
Spc0010	ESTRIBO 2	1	7,00	18,00	2,50	315,00
Spc0010	ESTRIBO 2_DESMONTE	0,5	18,00	7,00	6,00	378,00
						1.313,000
332.0050	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA					
Spc0010	ENCEPADO PILAS	2	16,00	8,00	2,00	512,00
Spc0010		-2	14,00	6,00	1,50	-252,00
Spc0010	ESTRIBO 1	1	3,00	18,00	2,00	108,00
Spc0010		-1	2,10	16,30	1,20	-41,08
Spc0010	ESTRIBO 2	1	3,00	18,00	2,00	108,00
Spc0010		-1	6,25	16,30	1,35	-137,53
						297,390
330.0055	m³ SUELO SELECCIONADO PROCEDENTE DE YACIMIENTO GRANULAR O CANTERA PARA FORMACION DE EXPLANADA					
Spc0010	RELLENO BAJO DEMOLICIÓN	1	57,00	12,00	1,00	684,00
Spc0010	RELLENO ESTRIBO 2	0,5	18,00	7,00	6,00	378,00
						1.062,000
671.0050	m PILOTE DE DIÁMETRO DE 1000 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD					
Spc0010	ESTRIBO 1	5	12,00			60,00
Spc0010	ESTRIBO 2	10	12,00			120,00
Spc0010	PILAS	20	12,00			240,00
						420,000
680.1000	ud EQUIPO Y MEDIOS AUXILIARES PILOTES HASTA 1200 mm					
Spc0010	MAQUINARIA PILOTES	1				1,00
						1,000
680.1020	ud EQUIPO Y MEDIOS AUXILIARES PARA CAMBIO ENTRE TAJOS DE PILOTES DE HASTA 1200 mm DISTANCIADOS MÁS DE 2 km CON GÓNDOLA					
Spc0010	MAQUINARIA PILOTES	1				1,00
						1,000
308.0060	ud ENSAYO POR "CROSS-HOLE" ULTRASONICO (4 TUBOS, 6 DIAGRAFÍAS POR PILOTE) HASTA 35 m DE PROFUNDIDAD					
Spc0010	ESTRIBO 1	5				5,00
Spc0010	ESTRIBO 2	10				10,00
Spc0010	PILAS	20				20,00
						35,000
308.0020	m SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEG					
Spc0010	ESTRIBO 1	20	12,00			240,00
Spc0010	ESTRIBO 2	40	12,00			480,00
Spc0010	PILAS	80	12,00			960,00
						1.680,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CODIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
610.0010	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA					
Spc0010	ENCEPADO PILAS	2	14,00	6,00	0,10	16,80
Spc0010	ESTRIBO 1	1	2,10	16,30	0,10	3,42
Spc0010	ESTRIBO 2	1	6,25	16,00	0,10	10,00
Spc0010	LOSAS TRANSICIÓN	2	5,00	15,40	0,10	15,40
						45,620
680.0010	m² ENCOFRADO OCULTO PLANO					
Spc0010	ENCEPADO PILAS	4	14,00		1,50	84,00
Spc0010		4	6,00		1,50	36,00
Spc0010	ESTRIBO 1	2	2,00		1,00	4,00
Spc0010		2	16,30		1,00	32,60
Spc0010	ESTRIBO 2	2	6,25		1,35	16,88
Spc0010		2	16,00		1,35	43,20
Spc0010	LOSAS TRANSICIÓN	2	15,40		0,30	9,24
Spc0010		2	5,00		0,30	3,00
						228,920
610.0060	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS					
Spc0010	ENCEPADO PILAS	2	14,00	6,00	1,50	252,00
Spc0010	ESTRIBO 1	1	2,10	16,30	1,20	41,08
Spc0010	ESTRIBO 2	1	6,25	16,00	1,35	135,00
Spc0010	PILOTES E1	5	12,00	0,79		47,40
Spc0010	PILOTES E2	10	12,00	0,79		94,80
Spc0010	LOSAS TRANSICIÓN	2	5,00	15,80	0,30	47,40
Spc0010	PILOTES PILAS	20	12,00	0,79		189,60
						807,280
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	ENCEPADO PILAS	2	126,00		100,00	25.200,00
Spc0010	ESTRIBO 1	1	41,08		100,00	4.108,00
Spc0010	ESTRIBO 2	1	135,00		100,00	13.500,00
Spc0010	PILOTES E1	5	12,00	0,79	100,00	4.740,00
Spc0010	PILOTES E2	10	12,00	0,79	100,00	9.480,00
Spc0010	LOSAS TRANSICIÓN	2	47,40		60,00	5.688,00
Spc0010	PILOTES PILAS	20	12,00	0,79	100,00	18.960,00
						81.676,000
690.0070	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP					
Spc0010	ENCEPADO PILAS	4	14,00		1,50	84,00
Spc0010		4	6,00		1,50	36,00
Spc0010		2	14,00	6,00		168,00
Spc0010	ESTRIBO 2	2	6,25		1,35	16,88
Spc0010		2	16,00		1,35	43,20
Spc0010	LOSAS TRANSICIÓN	2	15,40		0,30	9,24
Spc0010		2	5,00		0,30	3,00
						360,320
301.0020	m³ DEMOLICIÓN DE FÁBRICA HORMIGÓN ARMADO					
Spc0010	ESTRIBOS	2	12,00	2,00	1,00	48,00
Spc0010		2	12,00	0,50	1,50	18,00
Spc0010	ZAPATAS	2	8,00	8,00	2,50	320,00
						386,000
301.0080	m³ DEMOLICIÓN DE LOSA DE HORMIGÓN ARMADO O PRETENSADO, EN TABLERO					
Spc0010	TABLERO	1	57,00	3,50	1,30	259,35
Spc0010		2	57,00	3,25	0,25	92,63
Spc0010	PILAS PISTOLA	4	8,50	1,25	1,00	42,50
Spc0010		4	6,00	2,00	1,00	48,00
						442,480
301.0090	m² CORTE CON DISCO					
Spc0010	PILAS PISTOLA	4	8,50	1,25		42,50
Spc0010		4	6,00	2,00		48,00
						90,500

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
290.0040	m² SUMINISTRO Y COLOCACIÓN DE GEOTEXTIL NO TEJIDO TIPO 4 COMO FILTRO					
Spc0010	RELLENO BAJO DEMOLICIÓN	1	57,00	12,00	684,00	
						684,000
04.02.02.02 ALZADOS						
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010	ESTRIBO 1	2		16,30	1,50	48,90
Spc0010	ESTRIBO 2	2		16,00	8,75	280,00
Spc0010	ALETAS E1	2		2,25	2,00	9,00
Spc0010	ALETAS E2	2		3,75	8,75	65,63
Spc0010		2		2,90	8,75	50,75
Spc0010		4	2,50		2,50	25,00
Spc0010	DINTELES	8		1,00	1,00	8,00
Spc0010		8	2,25		1,00	18,00
						505,280
680.0040	m² ENCOFRADO VISTO CURVO					
Spc0010	PILAS	4	4,00		6,00	96,00
						96,000
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	PILAS	4	1,23		6,00	29,52
Spc0010	ESTRIBO 1	1	2,10	16,30	1,20	41,08
Spc0010	ESTRIBO 2	1	0,85	16,00	8,75	119,00
Spc0010	ALETAS E1 + E2	4	2,00	0,50	2,00	8,00
Spc0010	DINTELES	4	1,00	2,25	1,00	9,00
						206,600
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	PILAS	4	1,23	150,00	6,00	4.428,00
Spc0010	ESTRIBO 1	1	41,08	150,00		6.162,00
Spc0010	ESTRIBO 2	1	119,00	150,00		17.850,00
Spc0010	ALETAS E1 + E2	2	1,00	150,00		300,00
Spc0010	DINTELES	1	9,00	150,00		1.350,00
						30.090,000
682.0010	m³ ALIGERAMIENTO DE POLIESTIRENO EXPANDIDO					
Spc0010	LOSAS TRANSICIÓN	2	15,80	0,02	0,30	0,19
						0,190
690.0050	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA					
Spc0010	ESTRIBO 1	1		16,30	1,50	24,45
Spc0010	ESTRIBO 2	1		16,00	8,75	140,00
Spc0010		2		6,00	8,75	105,00
						269,450
04.02.02.03 TABLERO						
620.0030	kg ACERO LAMINADO ESTRUCTURAL S355 J2+N EN CHAPAS					
Spc0010	TABLERO	2	110,50	2.217,61	490.091,81	
						490.091,810
630.3010	m² PRELOSA PREFABRICADA DE HORMIGÓN CON CELOSÍA DE HASTA 8 cm DE ESPESOR					
Spc0010	TABLERO	1	110,50	15,40	1.701,70	
						1.701,700
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	TABLERO	1	110,50	15,40	0,22	374,37
						374,370

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	TABLERO	1	110,50	3,40	175,00	65.747,50
						65.747,500
690.0031	m² IMPERMEABILIZACIÓN DE TABLEROS DE PUENTES CON LÁMINA SBS EN SISTEMA BICAPA					
Spc0010	TABLERO	1	110,50	15,40		1.701,70
						1.701,700
SE02_N	m² PINTURA ESTRUCTURA METÁLICA AMBIENTE C4					
Spc0010	TABLERO	4	110,50		1,75	773,50
Spc0010		2	110,50	2,25		497,25
						1.270,750
04.02.02.04 ACABADOS Y EQUIPAMIENTO						
692.0100	dm³ APARATO DE APOYO DE NEOPRENO ZUNCHADO (STANDARD, ANCLADO O GOFRADO) SUSTITUIBLE					
Spc0010	PILAS	8	48,00			384,00
Spc0010	ESTRIBOS	8	16,00			128,00
						512,000
690.0080	ud SUMIDERO DE FUNDICIÓN 200 MM X 200 MM					
Spc0010	SUMIDEROS	4				4,00
						4,000
550.0020	m³ PAVIMENTO DE HORMIGÓN EN MASA HF-4,5 CON JUNTAS					
Spc0010	ACERAS	2	110,50	1,80	0,15	59,67
						59,670
S04_N	m BARANDILLA METÁLICA PEATONAL PINTADA S/DO					
Spc0010	BARRANDILLAS	2	125,00			250,00
						250,000
694.0030	m JUNTA DE DILATACIÓN PARA TABLERO DE 80 mm DE MOVIMIENTO MÁXIMO, TIPO JNA O SIMILAR					
Spc0010	ESTRIBOS	2	15,4000			30,8000
						30,800
695.0020	ud REDACCIÓN DE "PROYECTO E INFORME DE PRUEBA DE CARGA" EN PUENTE HIPERESTÁTICO					
Spc0010	PRUEBA DE CARGA	1				1,00
						1,000
695.0120	día PUESTA A DISPOSICIÓN Y PRESTACIÓN DE SERVICIO DE VEHÍCULO DE SUMINISTRO DE CARGA					
Spc0010	PRUEBA DE CARGA	6				6,00
						6,000
695.0100	ud REALIZACIÓN DE PRUEBA DE CARGA EN PUENTE HIPERESTÁTICO DE HASTA 4 VANOS DE LUZ MÁXIMA > 40 m					
Spc0010	PRUEBA DE CARGA	1				1,00
						1,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
04.02.03	PS3-PASO SUPERIOR 3					
04.02.03.01	TRABAJOS PREVIOS Y CIMENTACIONES					
300.0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS					
Spc0010	ENCEPADO PILAS	2	18,00	10,00		360,00
Spc0010	ESTRIBO 2	1	8,00	18,00		144,00
						504,000
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO					
Spc0010	ENCEPADO PILAS	2	16,00	8,00	2,00	512,00
Spc0010	ESTRIBO 2	1	8,50	18,00	2,00	306,00
						818,000
332.0050	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA					
Spc0010	ENCEPADO PILAS	2	16,00	8,00	2,00	512,00
Spc0010		-2	14,00	6,00	1,50	-252,00
Spc0010	ESTRIBO 2	1	8,50	18,00	2,00	306,00
Spc0010		-1	6,25	16,00	1,35	-135,00
						431,000
330.0055	m³ SUELO SELECCIONADO PROCEDENTE DE YACIMIENTO GRANULAR O CANTERA PARA FORMACION DE EXPLANADA					
Spc0010	RELLENO BAJO DEMOLICIÓN	1	57,00	15,00	1,00	855,00
						855,000
671.0050	m PILOTE DE DIÁMETRO DE 1000 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD					
Spc0010	ESTRIBO 1	5	12,00			60,00
Spc0010	ESTRIBO 2	10	12,00			120,00
Spc0010	PILAS	20	12,00			240,00
						420,000
680.1000	ud EQUIPO Y MEDIOS AUXILIARES PILOTES HASTA 1200 mm					
Spc0010	MAQUINARIA PILOTES	1				1,00
						1,000
680.1020	ud EQUIPO Y MEDIOS AUXILIARES PARA CAMBIO ENTRE TAJOS DE PILOTES DE HASTA 1200 mm DISTANCIADOS MÁS DE 2 km CON GÓNDOLA					
Spc0010	MAQUINARIA PILOTES	1				1,00
						1,000
308.0060	ud ENSAYO POR "CROSS-HOLE" ULTRASÓNICO (4 TUBOS, 6 DIAGRAFÍAS POR PILOTE) HASTA 35 m DE PROFUNDIDAD					
Spc0010	ESTRIBO 1	5				5,00
Spc0010	ESTRIBO 2	10				10,00
Spc0010	PILAS	20				20,00
						35,000
308.0020	m SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEG					
Spc0010	ESTRIBO 1	20	12,00			240,00
Spc0010	ESTRIBO 2	40	12,00			480,00
Spc0010	PILAS	80	12,00			960,00
						1.680,000
610.0010	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA					
Spc0010	ENCEPADO PILAS	2	14,00	6,00	0,10	16,80
Spc0010	ESTRIBO 1	1	2,10	15,80	0,10	3,32
Spc0010	ESTRIBO 2	1	6,25	16,00	0,10	10,00
Spc0010	LOSAS TRANSICIÓN	2	5,00	15,40	0,10	15,40
						45,520
680.0010	m² ENCOFRADO OCULTO PLANO					
Spc0010	ENCEPADO PILAS	4	14,00		1,50	84,00
Spc0010		4		6,00	1,50	36,00
Spc0010	ESTRIBO 1	2	2,10		1,00	4,20
Spc0010		2	15,80		1,00	31,60
Spc0010	ESTRIBO 2	2		6,25	1,35	16,88
Spc0010		2	16,00		1,35	43,20
Spc0010	LOSAS TRANSICIÓN	2	15,40		0,30	9,24

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
Spc0010		2	5,00		0,30	3,00
						228,120
610.0060	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS					
Spc0010	ENCEPADO PILAS	2	14,00	6,00	1,50	252,00
Spc0010	ESTRIBO 1	1	2,10	15,80	1,50	49,77
Spc0010	ESTRIBO 2	1	6,25	16,00	1,35	135,00
Spc0010	PILOTES E1	5	12,00	0,79		47,40
Spc0010	PILOTES E2	10	12,00	0,79		94,80
Spc0010	LOSAS TRANSICIÓN	2	5,00	15,80	0,30	47,40
Spc0010	PILOTES PILAS	20	12,00	0,79		189,60
						815,970
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	ENCEPADO PILAS	200	14,00	6,00	1,50	25.200,00
Spc0010	ESTRIBO 1	100	2,10	15,80	1,50	4.977,00
Spc0010	ESTRIBO 2	100	6,25	16,00	1,35	13.500,00
Spc0010	PILOTES E1	5	12,00	0,79	100,00	4.740,00
Spc0010	PILOTES E2	10	12,00	0,79	100,00	9.480,00
Spc0010	LOSAS TRANSICIÓN	120	5,00	15,80	0,30	2.844,00
Spc0010	PILOTES PILAS	20	12,00	0,79	100,00	18.960,00
						79.701,000
690.0070	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP					
Spc0010	ENCEPADO PILAS	4	14,00		1,50	84,00
Spc0010		4		6,00	1,50	36,00
Spc0010		1	14,00	6,00		84,00
Spc0010	ESTRIBO 2	2		6,25	1,35	16,88
Spc0010		2	16,00		1,35	43,20
Spc0010	LOSAS TRANSICIÓN	2	15,40		0,30	9,24
Spc0010		2	5,00		0,30	3,00
						276,320
301.0020	m³ DEMOLICIÓN DE FÁBRICA HORMIGÓN ARMADO					
Spc0010	ESTRIBOS	2	12,00	2,00	1,00	48,00
Spc0010		2	12,00	0,50	1,50	18,00
Spc0010		4	2,50	0,80	7,00	56,00
Spc0010		2	6,00	9,00	1,50	162,00
Spc0010	ZAPATAS	2	8,00	8,00	2,50	320,00
Spc0010	LOSA INFERIOR	1	17,50	10,70	1,25	234,06
Spc0010	DINTEL	1	17,50	10,70	1,00	187,25
Spc0010	HASTIALES	2	17,50	0,80	6,00	168,00
Spc0010	CIMENTACION ALETAS	2	13,25	2,50	0,60	39,75
Spc0010	MENSULA ALETAS	2	13,25	0,40	4,50	47,70
Spc0010	CIMENTACION ALETA	1	12,05	2,50	0,60	18,08
Spc0010	MENSULA ALETA	1	12,05	0,40	4,50	21,69
Spc0010	CIMENTACION ALETA	1	21,09	2,50	0,60	31,64
Spc0010	MENSULA ALETA	1	21,09	0,40	4,50	37,96
						1.390,130
301.0080	m³ DEMOLICIÓN DE LOSA DE HORMIGÓN ARMADO O PRETENSADO, EN TABLERO					
Spc0010	TABLERO	1	57,00	5,50	1,30	407,55
Spc0010		2	57,00	3,25	0,25	92,63
Spc0010	PILAS PISTOLA	4	8,50	1,25	1,00	42,50
Spc0010		4	6,00	2,00	1,00	48,00
						590,680
301.0090	m² CORTE CON DISCO					
Spc0010	PILAS PISTOLA	4	8,50	1,25		42,50
Spc0010		4	6,00	2,00		48,00
						90,500
290.0040	m² SUMINISTRO Y COLOCACIÓN DE GEOTEXTIL NO TEJIDO TIPO 4 COMO FILTRO					
Spc0010	RELLENO BAJO DEMOLICIÓN	1	57,00	15,00		855,00
						855,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
04.02.03.02 ALZADOS						
680.0040	m² ENCOFRADO VISTO CURVO					
Spc0010	PILAS	4	3,93		6,50	102,18
						102,180
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010	ESTRIBO 1	2		15,80	1,50	47,40
Spc0010	ESTRIBO 2	2		15,80	8,75	276,50
Spc0010	ALETAS E1	2		2,00	2,00	8,00
Spc0010	ALETAS E2	2		2,00	8,75	35,00
Spc0010	DINTELES	8	2,25		1,00	18,00
Spc0010		8		1,00	1,00	8,00
						392,900
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	PILAS	4	1,23		6,50	31,98
Spc0010	ESTRIBO 1	1	2,00	15,80	0,30	9,48
Spc0010	ESTRIBO 2	1	0,85	15,80	8,75	117,51
Spc0010	ALETAS E1	2	2,00	0,50	2,00	4,00
Spc0010	ALETAS E2	2	5,00	0,85	8,75	74,38
Spc0010	DINTELES	4	1,00	2,25	1,00	9,00
						246,350
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	PILAS	4	1,23	150,00	6,50	4.797,00
Spc0010	ESTRIBO 1	150	2,00	15,80	0,30	1.422,00
Spc0010	ESTRIBO 2	150	0,85	15,80	8,75	17.626,88
Spc0010	ALETAS E1	300	2,00	0,50	2,00	600,00
Spc0010	ALETAS E2	300	5,00	0,85	8,75	11.156,25
Spc0010	DINTELES	600	1,00	2,25	1,00	1.350,00
						36.952,130
682.0010	m³ ALIGERAMIENTO DE POLIESTIRENO EXPANDIDO					
Spc0010	LOSAS TRANSICIÓN	2	15,40	0,02	0,30	0,18
						0,180
690.0050	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA					
Spc0010	ESTRIBO 1	1		15,80	1,50	23,70
Spc0010	ESTRIBO 2	1		15,80	8,75	138,25
Spc0010	ALETAS E1	1		2,00	2,00	4,00
Spc0010	ALETAS E2	1		2,00	8,75	17,50
						183,450
04.02.03.03 TABLERO						
620.0030	kg ACERO LAMINADO ESTRUCTURAL S355 J2+N EN CHAPAS					
Spc0010	TABLERO	2	113,00	1.964,38		443.949,88
						443.949,880
630.3010	m² PRELOSA PREFABRICADA DE HORMIGÓN CON CELOSÍA DE HASTA 8 cm DE ESPESOR					
Spc0010	TABLERO	1	113,00	15,40		1.740,20
						1.740,200
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	TABLERO	1	113,00	15,40	0,22	382,84
						382,840
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	TABLERO	1	113,00	3,40	175,00	67.235,00
						67.235,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
690.0031	m² IMPERMEABILIZACIÓN DE TABLEROS DE PUENTES CON LÁMINA SBS EN SISTEMA BICAPA					
Spc0010	TABLERO	1	113,00	15,40		1.740,20
						1.740,200
SE02_N	m² PINTURA ESTRUCTURA METÁLICA AMBIENTE C4					
Spc0010	TABLERO	4	113,00		1,75	791,00
Spc0010		2	113,00	2,25		508,50
						1.299,500
04.02.03.04 ACABADOS Y EQUIPAMIENTO						
692.0100	dm³ APARATO DE APOYO DE NEOPRENO ZUNCHADO (STANDARD, ANCLADO O GOFRADO) SUSTITUIBLE					
Spc0010	PILAS	8	39,20			313,60
Spc0010	ESTRIBOS	8	14,50			116,00
						429,600
690.0080	ud SUMIDERO DE FUNDICIÓN 200 MM X 200 MM					
Spc0010	SUMIDEROS	4				4,00
						4,000
550.0020	m³ PAVIMENTO DE HORMIGÓN EN MASA HF-4,5 CON JUNTAS					
Spc0010	ACERAS	2	113,00	1,80	0,15	61,02
						61,020
S04_N	m BARANDILLA METÁLICA PEATONAL PINTADA S/DO					
Spc0010	BARRANDILLAS	2	125,00			250,00
						250,000
694.0030	m JUNTA DE DILATACIÓN PARA TABLERO DE 80 mm DE MOVIMIENTO MÁXIMO, TIPO JNA O SIMILAR					
Spc0010	ESTRIBOS	2	15,4000			30,8000
						30,800
695.0020	ud REDACCIÓN DE "PROYECTO E INFORME DE PRUEBA DE CARGA" EN PUENTE HIPERESTÁTICO					
Spc0010	PRUEBA DE CARGA	1				1,00
						1,000
695.0120	día PUESTA A DISPOSICIÓN Y PRESTACIÓN DE SERVICIO DE VEHÍCULO DE SUMINISTRO DE CARGA					
Spc0010	PRUEBA DE CARGA	6				6,00
						6,000
695.0100	ud REALIZACIÓN DE PRUEBA DE CARGA EN PUENTE HIPERESTÁTICO DE HASTA 4 VANOS DE LUZ MÁXIMA > 40 m					
Spc0010	PRUEBA DE CARGA	1				1,00
						1,000
04.02.03.05 PASO INFERIOR						
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010	HASTIALES	4	17,50		6,00	420,00
Spc0010	DINTEL	1	17,50	10,70		187,25
Spc0010	ALETAS	4	13,25		3,25	172,25
Spc0010	ALETA	2	12,10		3,25	78,65
Spc0010	ALETA	2	21,10		3,25	137,15
						995,300
681.0010	m³ CIMBRA CUAJADA					
Spc0010	VOLUMEN	1	17,50	10,70	6,00	1.123,50
						1.123,500

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	LOSA INFERIOR	1	17,50	10,70	1,25	234,06
Spc0010	DINTEL	1	17,50	10,70	1,00	187,25
Spc0010	HASTIALES	2	17,50	0,80	6,00	168,00
Spc0010	CIMENTACION ALETAS	2	13,25	2,50	0,60	39,75
Spc0010	MENSULA ALETAS	2	13,25	0,40	4,50	47,70
Spc0010	CIMENTACION ALETA	1	12,05	2,50	0,60	18,08
Spc0010	MENSULA ALETA	1	12,05	0,40	4,50	21,69
Spc0010	CIMENTACION ALETA	1	21,09	2,50	0,60	31,64
Spc0010	MENSULA ALETA	1	21,09	0,40	4,50	37,96
						786,130
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	LOSA INFERIOR	125	17,50	10,70	1,25	29.257,81
Spc0010	DINTEL	125	17,50	10,70	1,00	23.406,25
Spc0010	HASTIALES	125	17,50	0,80	6,00	10.500,00
Spc0010	CIMENTACION ALETAS	85	13,25	2,50	0,60	1.689,38
Spc0010	MENSULA ALETAS	100	13,25	0,40	4,50	2.385,00
Spc0010	CIMENTACION ALETA	85	12,05	2,50	0,60	1.536,38
Spc0010	MENSULA ALETA	100	12,05	0,40	4,50	2.169,00
Spc0010	CIMENTACION ALETA	85	21,09	2,50	0,60	2.688,98
Spc0010	MENSULA ALETA	100	21,09	0,40	4,50	3.796,20
						77.429,000
690.0050	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA					
Spc0010	HASTIALES	2	17,50		6,00	210,00
Spc0010	ALETAS	2	13,25		4,50	119,25
Spc0010	ALETA	1	12,05		4,50	54,23
Spc0010	ALETA	1	21,10		4,50	94,95
						478,430
690.0031	m² IMPERMEABILIZACIÓN DE TABLEROS DE PUENTES CON LÁMINA SBS EN SISTEMA BICAPA					
Spc0010	DINTEL	1	17,50	10,70		187,25
						187,250

04.03 PASOS INFERIORES

04.03.01 PE1-PÉRGOLA 1

04.03.01.01 TRABAJOS PREVIOS Y CIMENTACIONES

300.0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS					
Spc0010	ZONA PÉRGOLA	1	240,00	15,70		3.768,00
						3.768,000
320.0050	m³ EXCAVACIÓN EN VACIADO ENTRE PANTALLAS EN CUALQUIER TIPO DE TERRENO A CIELO ABIERTO					
Spc0010	EXCAVACION	240		11,30	8,50	23.052,00
						23.052,000
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO					
Spc0010	ZONA PÉRGOLA	1	240,00	15,70	2,50	9.420,00
						9.420,000
332.0050	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA					
Spc0010	ZONA PÉRGOLA	1	240,00	15,70	1,50	5.652,00
						5.652,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
680.1000	ud EQUIPO Y MEDIOS AUXILIARES PILOTES HASTA 1200 mm					
Spc0010	PÉRGOLA 1	1			1,00	
						1,000
308.0020	m SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEG					
Spc0010	PILOTES PÉRGOLA/1.10 m	1,82	240,00	3,00	14,00	18.345,60
						18.345,600
308.0040	ud ENSAYO POR "CROSS-HOLE" ULTRASÓNICO (3 TUBOS, 3 DIAGRAFÍAS POR PILOTE) HASTA 20 m DE PROFUNDIDAD					
Spc0010	PILOTES PÉRGOLA/1.10 m	1,82	240,00	3,00		1.310,40
						1.310,400
671.0040	m PILOTE DE DIÁMETRO DESDE 650 HASTA 850 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD					
Spc0010	PILOTES PÉRGOLA/1.10 m	2	220,00		14,00	6.160,00
						6.160,000
610.0060	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS					
Spc0010	PILOTES PÉRGOLA/1.10 m	2	220,00	0,57	14,00	3.511,20
Spc0010	LOSAS TRANSICIÓN	1	240,00	5,00	0,30	360,00
						3.871,200
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	PILOTES PÉRGOLA/1.10 m	440	14,00	0,57	125,00	438.900,00
Spc0010	LOSAS TRANSICIÓN	1	240,00	1,50	60,00	21.600,00
						460.500,000
675.1060	m ANCLAJE PROVISIONAL CON INYECCIÓN REPETITIVA Y SELECTIVA (IRS) TIPO 2B (8 CABLES)					
Spc0010	ANCLAJES/3.3 M	2	17,50	74,00		2.590,00
						2.590,000
675.1250	ud PARTE FIJA DEL ANCLAJE TIPO 1, 2A, 2B, 5, 6A Y 6B					
Spc0010	UNIDADES ANCLAJE	2	74,00			148,00
						148,000

04.03.01.02 ALZADOS Y LOSAS

680.0010	m² ENCOFRADO OCULTO PLANO					
Spc0010	ESTRIBOS	4	240,00		2,05	1.968,00
						1.968,000
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	ESTRIBOS	2	240,00	1,45	1,00	696,00
Spc0010		2	240,00	0,30	1,05	151,20
Spc0010	LOSA	1	140,00	13,60	0,19	361,76
Spc0010	PRETIL	2	60,00	0,90	0,75	81,00
						1.289,960
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	ESTRIBOS	2	240,00	1,45	125,00	87.000,00
Spc0010		2	240,00	0,33	125,00	19.800,00
Spc0010	LOSA	1	140,00	2,58	75,00	27.090,00
Spc0010	PRETIL	2	45,00	0,90	100,00	8.100,00
						141.990,000
614.1000	m VIGA PREFABRICADA DOBLE T DE H=90 cm					
Spc0010	VIGAS PÉRGOLA	144	12,60			1.814,40
						1.814,400

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
630.3000 Spc0010	m² PRELOSA PREFABRICADA DE HORMIGÓN DE HASTA 6 cm DE ESPESOR LOSA	1	140,00	13,60		1.904,00
						1.904,000
690.0031 Spc0010	m² IMPERMEABILIZACIÓN DE TABLEROS DE PUENTES CON LÁMINA SBS EN SISTEMA BICAPA LOSA	1	140,00	13,60		1.904,00
						1.904,000
690.0050 Spc0010	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA ESTRIBOS	2	240,00		2,05	984,00
						984,000
04.03.01.03 ACABADOS Y EQUIPAMIENTOS						
692.0100 Spc0010	dm³ APARATO DE APOYO DE NEOPRENO ZUNCHADO (STANDARD, ANCLADO O GOFRADO) SUSTITUIBLE APOYO VIGAS	144	2,00	4,00		1.152,00
						1.152,000
694.0010 Spc0010	m JUNTA DE DILATACIÓN PARA TABLERO DE 50 mm DE MOVIMIENTO MÁXIMO, TIPO JNA O SIMILAR TABLERO	2	240,00			480,00
						480,000
695.0010 Spc0010	ud REDACCIÓN DE "PROYECTO E INFORME DE PRUEBA DE CARGA" EN PUENTE ISOSTÁTICO PRUEBA DE CARGA	1				1,00
						1,000
695.0040 Spc0010	ud REALIZACIÓN DE PRUEBA DE CARGA EN PUENTE ISOSTÁTICO DE UN VANO <= 20 m O EN EL 1ER VANO DE UN PUENTE DE VARIOS VANOS ISOSTÁTICOS PRUEBA DE CARGA	1				1,00
						1,000
695.0120 Spc0010	día PUESTA A DISPOSICIÓN Y PRESTACIÓN DE SERVICIO DE VEHÍCULO DE SUMINISTRO DE CARGA PRUEBA DE CARGA	6				6,00
						6,000
803.0420 Spc0010	m³ HORMIGÓN PROYECTADO H/MP/30 EN SOSTENIMIENTO DE TÚNELES Y OBRAS SUBTERRÁNEAS REVESTIMIENTO	2	240,00	0,15	6,50	468,00
						468,000
803.0240 Spc0010	m² MALLA ELECTROSOLDADA SOSTENIMIENTO TÚNELES ACERO CORRUGADO B 500 T DE DIÁMETRO 10 mm CUADRÍCULA 15 X 15 REVESTIMIENTO	2	240,00		6,50	3.120,00
						3.120,000
803.0630 Spc0010	m² CHAPA NERVADA O TROQUELADA 2 mm Y 9 ONDAS POR PANEL COMO ENCOFRADO PERDIDO EN SOSTENIMIENTO O EN RELLENOS DE TÚNELES Y OBRAS SUB REVESTIMIENTO	2	240,00		6,50	3.120,00
						3.120,000
675.0010 Spc0010	ud BARRA Ø16 DE ACERO CORRUGADO B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, ANCLADA A POSTERIORI L<0,70 m BARRAS ANCLAJE PILOTES	286	12,00			3.432,00
						3.432,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
04.03.01.04 CONTENCIÓN COLECTOR						
671.1060 Spc0010 Spc0010	m MICROPILOTE HASTA 180 mm INYECCIÓN TIPO IRS LECHADA HASTA 40 kg CEMENTO MICROS 180 mm	3	6,00		14,00	252,00
		3	155,20		14,00	6.518,40
						6.770,400
671.1220 Spc0010 Spc0010	t ACERO PARA ARMADURA TUBULAR PARA MICROPILOTES (INCLUIDO UNIONES ROSCADAS). MICROS 180 mm	3	6,00	0,02	14,00	5,04
		3	155,20	0,02	14,00	130,37
						135,410
675.1060 Spc0010 Spc0010 Spc0010 Spc0010	m ANCLAJE PROVISIONAL CON INYECCIÓN REPETITIVA Y SELECTIVA (IRS) TIPO 2B (8 CABLES) ANCLAJES /3,5 M NIVEL 1 NIVEL 2 NIVEL 3					
		48	20,00			960,00
		48	20,00			960,00
		48	20,00			960,00
						2.880,000
675.1250 Spc0010	ud PARTE FIJA DEL ANCLAJE TIPO 1, 2A, 2B, 5, 6A Y 6B CABEZAS ANCLAJES	3	48,00			144,00
						144,000
620.0030 Spc0010 Spc0010	kg ACERO LAMINADO ESTRUCTURAL S355 J2+N EN CHAPAS VIGAS REPARTO, 2UPN200	6	201,20	25,30		30.542,16
						30.542,160
04.03.02 PE2-PÉRGOLA 2						
04.03.02.01 TRABAJOS PREVIOS Y CIMENTACIONES						
300.0010 Spc0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS ZONA PÉRGOLA	1	176,00	15,00		2.640,00
						2.640,000
321.0010 Spc0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO CIMIENTOS	2	176,00	4,00	2,00	2.816,00
						2.816,000
332.0050 Spc0010	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA CIMIENTOS	2	176,00	4,00	1,00	1.408,00
						1.408,000
680.0010 Spc0010	m² ENCOFRADO OCULTO PLANO ZAPATAS	4	176,00		1,00	704,00
						704,000
610.0060 Spc0010	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS ZAPATAS	2	176,00	4,00	1,00	1.408,00
						1.408,000
600.0010 Spc0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS ZAPATAS	2	176,00	4,00	80,00	112.640,00
						112.640,000
610.0010 Spc0010	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA ZAPATAS	2	176,00	4,20	0,10	147,84
						147,840

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
690.0070	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP					
Spc0010	ZAPATAS	4	176,00		1,00	704,00
Spc0010		2	176,00	4,00		1.408,00
						2.112,000
04.03.02.02 ALZADOS Y LOSAS						
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010	ALZADOS MUROS	4	176,00		9,00	6.336,00
Spc0010	LOSA	1	176,00	13,00		2.288,00
						8.624,000
681.0010	m³ CIMBRA CUAJADA					
Spc0010	DINTEL	1	176,00	13,00	9,00	20.592,00
						20.592,000
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	ALZADO MUROS	2	176,00	0,80	9,00	2.534,40
Spc0010	LOSA SUPERIOR	1	85,00	13,00	0,60	663,00
Spc0010	PRETIL	2	90,00	0,90	1,00	162,00
Spc0010	LOSAS DE TRANSICIÓN	1	160,00	5,00	0,30	240,00
						3.599,400
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	ALZADO MUROS	2	176,00	7,20	125,00	316.800,00
Spc0010	LOSA SUPERIOR	1	85,00	7,80	100,00	66.300,00
Spc0010	PRETIL	2	90,00	0,90	100,00	16.200,00
Spc0010	LOSAS DE TRANSICIÓN	1	160,00	1,50	60,00	14.400,00
						413.700,000
690.0050	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA					
Spc0010	ALZADO MUROS	2	176,00		9,00	3.168,00
						3.168,000
690.0031	m² IMPERMEABILIZACIÓN DE TABLEROS DE PUENTES CON LÁMINA SBS EN SISTEMA BICAPA					
Spc0010	LOSA SUPERIOR	1	85,00	13,00	0,60	663,00
						663,000
04.03.02.03 ACABADOS Y EQUIPAMIENTOS						
695.0020	ud REDACCIÓN DE "PROYECTO E INFORME DE PRUEBA DE CARGA" EN PUENTE HIPERESTÁTICO					
Spc0010	PRUEBA DE CARGA	1				1,00
						1,000
695.0120	día PUESTA A DISPOSICIÓN Y PRESTACIÓN DE SERVICIO DE VEHÍCULO DE SUMINISTRO DE CARGA					
Spc0010	PRUEBA DE CARGA	6				6,00
						6,000
695.0030	ud REALIZACIÓN DE PRUEBA DE CARGA EN MARCO O PÓRTICO DE HORMIGÓN ARMADO					
Spc0010	PRUEBA DE CARGA	1				1,00
						1,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
04.03.03 PI1-PASO INFERIOR 1						
301.0020	m³ DEMOLICIÓN DE FÁBRICA HORMIGÓN ARMADO					
Spc0010	ALETAS	2	3,50	0,50	3,50	12,25
Spc0010	CIMENTACION ALETAS	2	3,50	2,00	1,00	14,00
						26,250
301.0090	m² CORTE CON DISCO					
Spc0010	CORTES HASTIALES	2	3,50	0,50		3,50
						3,500
300.0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS					
Spc0010	DESPEJE	1	20,00	8,50		170,00
						170,000
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO					
Spc0010	LOSA INFERIOR	1	18,15	6,50	1,00	117,98
						117,980
332.0050	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA					
Spc0010	LOSA INFERIOR	1	18,15	6,50	0,50	58,99
						58,990
681.0010	m³ CIMBRA CUAJADA					
Spc0010	VOLUMEN INTERIOR	1	18,15	5,50	3,50	349,39
						349,390
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010	HASTIALES	4	18,15		4,85	352,11
Spc0010	LOSA SUPERIOR	1	18,15	5,50		99,83
Spc0010	PETOS	2	6,50		0,50	6,50
Spc0010		2	6,50		1,80	23,40
						481,840
610.0010	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA					
Spc0010	MARCO	1	18,15	6,70	0,10	12,16
						12,160
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	LOSA	1	18,15	6,50	0,50	58,99
Spc0010	HASTIALES	2	18,15	0,50	3,85	69,88
Spc0010	DINTEL	1	18,15	6,50	0,50	58,99
Spc0010	PETOS	1	6,50	0,50	0,50	1,63
Spc0010		1	6,50	0,50	1,80	5,85
						195,340
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	LOSA	100	18,15	6,50	0,50	5.898,75
Spc0010	HASTIALES	200	18,15	0,50	3,85	6.987,75
Spc0010	DINTEL	100	18,15	6,50	0,50	5.898,75
Spc0010	PETOS	100	6,50	0,50	0,50	162,50
Spc0010		100	6,50	0,50	1,80	585,00
						19.532,750
690.0050	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA					
Spc0010	HASTIALES	2	18,15		4,85	176,06
						176,060
690.0070	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP					
Spc0010	DINTEL	1	18,15	6,50		117,98
						117,980

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
04.04	PASARELAS					
04.04.01	PS1-PASARELA					
04.04.01.01	TRABAJOS PREVIOS Y CIMENTACIONES					
300.0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS					
Spc0010	ESTRIBO 1	1	3,00	7,00		21,00
Spc0010	ESTRIBO 2	1	3,00	7,00		21,00
						42,000
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO					
Spc0010	ESTRIBO 1	1	3,00	7,00	2,00	42,00
Spc0010	ESTRIBO 2	1	3,00	7,00	2,00	42,00
						84,000
332.0050	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA					
Spc0010	ESTRIBO 1	1	3,00	7,00	2,00	42,00
Spc0010		-1	2,10	5,00	1,20	-12,60
Spc0010	ESTRIBO 2	1	3,00	7,00	2,00	42,00
Spc0010		-1	2,10	5,00	1,20	-12,60
						58,800
610.0010	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA					
Spc0010	ESTRIBO 1	1	2,00	6,00	0,10	1,20
Spc0010	ESTRIBO 2	1	2,00	6,00	0,10	1,20
						2,400
680.0010	m² ENCOFRADO OCULTO PLANO					
Spc0010	ESTRIBO 1	2	2,00		1,00	4,00
Spc0010		2	6,00		1,00	12,00
Spc0010	ESTRIBO 2	2	2,00		1,00	4,00
Spc0010		2	6,00		1,00	12,00
						32,000
610.0060	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS					
Spc0010	ESTRIBO 1	1	2,00	6,00	1,00	12,00
Spc0010	ESTRIBO 2	1	2,00	6,00	1,00	12,00
						24,000
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	ESTRIBO 1	1	12,00		100,00	1.200,00
Spc0010	ESTRIBO 2	1	12,00		100,00	1.200,00
						2.400,000
04.04.01.02	ALZADOS					
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010	ESTRIBO 1	2		6,00	1,50	18,00
Spc0010	ESTRIBO 2	2		6,00	1,50	18,00
Spc0010	ALETAS E1	2		2,00	2,00	8,00
Spc0010	ALETAS E2	2		2,00	2,00	8,00
						52,000
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	ESTRIBO 1	1	2,00	6,00	0,30	3,60
Spc0010	ESTRIBO 2	1	2,00	6,00	0,30	3,60
Spc0010	ALETAS E1	0,5	2,00	0,50	2,00	1,00
Spc0010	ALETAS E2	0,5	2,00	0,50	2,00	1,00
						9,200
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	ESTRIBO 1	1	8,50	100,00		850,00
Spc0010	ESTRIBO 2	1	8,50	100,00		850,00
Spc0010	ALETAS E1	1	1,00	100,00		100,00

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
Spc0010	ALETAS E2	1	1,00	100,00		100,00
						1.900,000
682.0010	m³ ALIGERAMIENTO DE POLIESTIRENO EXPANDIDO					
Spc0010	LOSAS TRANSICIÓN	2	6,00	0,02	0,30	0,07
						0,070
690.0050	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA					
Spc0010	ESTRIBO 1	1		6,00	1,50	9,00
Spc0010	ESTRIBO 2	1		6,00	1,50	9,00
						18,000
04.04.01.03	TABLEROS					
620.0030	kg ACERO LAMINADO ESTRUCTURAL S355 J2+N EN CHAPAS					
Spc0010	VIGAS LONGITUDINALES	2	80,00	0,05	7.850,00	62.800,00
Spc0010	ARCO	2	85,00	0,03	7.850,00	40.035,00
Spc0010	VIGAS TRANSVERSALES	14	6,50	66,30		6.033,30
Spc0010	RIGIDIZACIÓN	14	4,50	57,10		3.597,30
						112.465,600
601.0020	kg ACERO ESPECIAL Y1030H EN BARRAS PARA PRETENSAR					
Spc0010	PÉNDOLAS	56	8,00	1,96	7,85	6.892,93
						6.892,930
630.3000	m² PRELOSA PREFABRICADA DE HORMIGÓN DE HASTA 6 cm DE ESPESOR					
Spc0010	TABLERO	1	70,00	5,00		350,00
						350,000
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	TABLERO	1	70,00	5,00	0,25	87,50
						87,500
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	TABLERO	125	70,00	5,00	0,25	10.937,50
						10.937,500
690.0031	m² IMPERMEABILIZACIÓN DE TABLEROS DE PUENTES CON LÁMINA SBS EN SISTEMA BICAPA					
Spc0010	TABLERO	1	70,00	5,00		350,00
						350,000
SE02_N	m² PINTURA ESTRUCTURA METÁLICA AMBIENTE C4					
Spc0010	VIGAS LONGITUDINALES	2	80,00	1,91		305,60
Spc0010	ARCO	2	85,00	1,91		324,70
Spc0010	VIGAS TRANSVERSALES	14	6,50	1,47		133,77
Spc0010	RIGIDIZACIÓN	14	4,50	1,35		85,05
						849,120
SE03_N	u IZADO Y MONTAJE DE ESTRUCTURA METÁLICA GRANDES DIMENSIONES					
Spc0010	UNA OPERACION	1				1,00
						1,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
04.04.01.04 ACABADOS Y EQUIPAMIENTOS						
694.0020	m JUNTA DE DILATACIÓN PARA TABLERO DE 70 mm DE MOVIMIENTO MÁXIMO, TIPO JNA O SIMILAR					
Spc0010	TABLERO	2	5,00		10,00	
						10,000
692.0100	dm³ APARATO DE APOYO DE NEOPRENO ZUNCHADO (STANDARD, ANCLADO O GOFRADO) SUSTITUIBLE					
Spc0010	TABLERO	4	18,00		72,00	
						72,000
695.0020	ud REDACCIÓN DE "PROYECTO E INFORME DE PRUEBA DE CARGA" EN PUENTE HIPERESTÁTICO					
Spc0010	PRUEBA DE CARGA	1			1,00	
						1,000
695.0100	ud REALIZACIÓN DE PRUEBA DE CARGA EN PUENTE HIPERESTÁTICO DE HASTA 4 VANOS DE LUZ MÁXIMA > 40 m					
Spc0010	PRUEBA DE CARGA	1			1,00	
						1,000
S04_N	m BARANDILLA METÁLICA PEATONAL PINTADA S/DO					
Spc0010	BARRANDILLAS	2	80,00		160,00	
						160,000
04.05 MUROS						
04.05.01 M1-MURO 1						
300.0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS					
Spc0010	TIPO ÚNICO	1	96,40	5,50	530,20	
						530,200
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO					
Spc0010	TIPO ÚNICO	1	96,40	4,50	1,20	520,56
						520,560
332.0050	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA					
Spc0010	TIPO ÚNICO	1	96,40	4,50	1,20	520,56
Spc0010	TIPO ÚNICO	-1	96,40	3,50	0,70	-236,18
						284,380
610.0010	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA					
Spc0010	TIPO ÚNICO	1	96,40	3,50	0,10	33,74
						33,740
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010	TIPO ÚNICO	2	96,40		5,50	1.060,40
Spc0010	SOBRE MARCO	2	8,45		3,30	55,77
						1.116,170
680.0010	m² ENCOFRADO OCULTO PLANO					
Spc0010	TIPO ÚNICO	2	96,40		0,60	115,68
Spc0010	SOBRE MARCO	2	8,45		0,60	10,14
						125,820
610.0060	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS					
Spc0010	TIPO UNICO	1	96,40	3,50	0,60	202,44
Spc0010	SOBRE MARCO	1	8,45	3,50	0,60	17,75
						220,190

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	TIPO UNICO	1	96,40	0,50	5,50	265,10
Spc0010	SOBRE MARCO	1	8,45	0,50	3,30	13,94
						279,040
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	TIPO UNICO, CIMENTACION	60	96,40	3,50	0,60	12.146,40
Spc0010	TIPO UNICO, ALZADO	100	96,40	0,50	5,50	26.510,00
Spc0010	SOBRE MARCO, CIMENTACION	60	8,41	3,50	0,60	1.059,66
Spc0010	SOBRE MARCO, ALZADO	100	8,41	0,50	3,30	1.387,65
						41.103,710
690.0050	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA					
Spc0010	TIPO UNICO	1	96,40		5,50	530,20
Spc0010	SOBRE MARCO	1	8,15		3,30	26,90
						557,100
690.0070	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP					
Spc0010	TIPO UNICO	1	96,40	3,00		289,20
Spc0010		2	96,40		0,60	115,68
Spc0010	SOBRE MARCO	1	8,45	3,00		25,35
Spc0010		2	8,45		6,00	101,40
						531,630
04.05.02 M2-MURO 2						
300.0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS					
Spc0010	DESPEJE MURO 2	0,5	189,50	15,00		1.421,25
						1.421,250
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO					
Spc0010	ATADO PILOTES	0,5	99,50	13,00	1,00	646,75
Spc0010	CIMENTACION MURO 6	1	60,00	4,50	1,10	297,00
Spc0010	CIMENTACION MURO 8.5	1	30,00	6,75	0,70	141,75
Spc0010	ALZADO MURO 6	1	60,00	4,00	6,00	1.440,00
Spc0010	ALZADO MURO 8.5	1	30,00	7,00	8,50	1.785,00
						4.310,500
332.0050	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA					
Spc0010	ALZADO MURO 6	1	60,00	4,00	6,00	1.440,00
Spc0010	ALZADO MURO 8.5	1	30,00	7,00	8,50	1.785,00
						3.225,000
320.0050	m³ EXCAVACIÓN EN VACIADO ENTRE PANTALLAS EN CUALQUIER TIPO DE TERRENO A CIELO ABIERTO					
Spc0010	VACIADO ENTRE PILOTES	0,5	99,80	11,30	8,50	4.792,90
						4.792,900
610.0010	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA					
Spc0010	ZAPATA MURO 6	1	60,00	3,70	0,10	22,20
Spc0010	ZAPATA MURO 8.5	1	30,00	5,95	0,10	17,85
						40,050
680.0010	m² ENCOFRADO OCULTO PLANO					
Spc0010	ZAPATA MURO 6	2	60,00		0,60	72,00
Spc0010	ZAPATA MURO 8.5	2	30,00		1,00	60,00
						132,000
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010	MURO 6 M	2	60,00		5,75	690,00
Spc0010	MURO 8.5	2	30,00		7,00	420,00
						1.110,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
610.0060	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS					
Spc0010	ZAPATA MURO 6	1	60,00	3,50	0,60	126,00
Spc0010	ZAPATA MURO 8.5	1	30,00	5,75	1,00	172,50
Spc0010	PILOTES	0,91	99,80	0,57	14,00	724,73
Spc0010	ENCEPADO PILOTES	1	99,80	1,00	1,00	99,80
						1.123,030
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	ALZADO MURO 6	1	60,00	0,50	5,75	172,50
Spc0010	ALZADO MURO 8.5	1	30,00	0,80	7,00	168,00
						340,500
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	ZAPATA MURO 6	75	60,00	3,50	0,60	9.450,00
Spc0010	ZAPATA MURO 8.5	75	30,00	5,75	1,00	12.937,50
Spc0010	PILOTES	125	99,80	0,57	14,00	99.550,50
Spc0010	ENCEPADO PILOTES	100	99,80	1,00	1,00	9.980,00
Spc0010	ALZADO MURO 6	75	60,00	0,50	5,75	12.937,50
Spc0010	ALZADO MURO 8.5	75	30,00	0,80	7,00	12.600,00
						157.455,500
690.0050	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA					
Spc0010	ALZADO MURO 6	1	60,00	1,00	5,75	345,00
Spc0010	ALZADO MURO 8.5	1	30,00	1,00	7,00	210,00
						555,000
690.0070	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP					
Spc0010	ZAPATA MURO 6	2	60,00		0,60	72,00
Spc0010		1	60,00	3,00		180,00
Spc0010	ZAPATA MURO 8.5	2	30,00		1,00	60,00
Spc0010		1	30,00	4,95		148,50
Spc0010	ENCEPADO PILOTES	1	99,80	1,00	1,00	99,80
						560,300
680.1000	ud EQUIPO Y MEDIOS AUXILIARES PILOTES HASTA 1200 mm					
Spc0010	MAQUINARIA PILOTES	1				1,00
						1,000
671.0040	m PILOTE DE DIÁMETRO DESDE 650 HASTA 850 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD					
Spc0010	PILOTES	0,91	99,80		14,00	1.271,45
						1.271,450
308.0020	m SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEG					
Spc0010	PILOTES	0,91	99,80	3,00	14,00	3.814,36
						3.814,360
308.0040	ud ENSAYO POR "CROSS-HOLE" ULTRASÓNICO (3 TUBOS, 3 DIAGRAFÍAS POR PILOTE) HASTA 20 m DE PROFUNDIDAD					
Spc0010	NUMERO DE PILOTES	0,91	99,80			90,82
						90,820
675.1120	m ANCLAJE PERMANENTE CON INYECCIÓN REPETITIVA Y SELECTIVA (IRS) TIPO 4B (8 CABLES)					
Spc0010	ANCLAJES PARA PILOTES	31		17,50		542,50
						542,500
675.1270	ud PARTE FIJA DEL ANCLAJE TIPO 3, 4A, 4B, 7, 8A Y 8B					
Spc0010	NUMERO DE PILOTES	31	1,00			31,00
						31,000
803.0420	m³ HORMIGÓN PROYECTADO H/MP/30 EN SOSTENIMIENTO DE TÚNELES Y OBRAS SUBTERRÁNEAS					
Spc0010	REVESTIMIENTO MURO	1	99,80	8,50	0,15	127,25
						127,250

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
803.0240	m² MALLA ELECTROSOLDADA SOSTENIMIENTO TÚNELES ACERO CORRUGADO B 500 T DE DIÁMETRO 10 mm CUADRÍCULA 15 X 15					
Spc0010	REVESTIMIENTO	1	99,80		8,50	848,30
						848,300
803.0630	m² CHAPA NERVADA O TROQUELADA 2 mm Y 9 ONDAS POR PANEL COMO ENCOFRADO PERDIDO EN SOSTENIMIENTO O EN RELLENOS DE TÚNELES Y OBRAS SUB					
Spc0010	REVESTIMIENTO	1	99,80		8,50	848,30
						848,300
675.0010	ud BARRA Ø16 DE ACERO CORRUGADO B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, ANCLADA A POSTERIORI L<0,70 m					
Spc0010	REVESTIMIENTO	0,91	99,80	14,00		1.271,45
						1.271,450
04.05.03	M3-MURO 3					
300.0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS					
Spc0010	DESPEJE MURO 3	0,5	189,50	15,00		1.421,25
						1.421,250
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO					
Spc0010	ATADO PILOTES	0,5	99,50	13,00	1,00	646,75
Spc0010	CIMENTACION MURO 6	1	75,00	4,50	1,10	371,25
Spc0010	CIMENTACION MURO 3	1	15,00	3,00	0,80	36,00
Spc0010	ALZADO MURO 6	1	75,00	4,00	6,00	1.800,00
Spc0010	ALZADO MURO 3	1	15,00	2,40	3,00	108,00
						2.962,000
332.0050	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA					
Spc0010	ALZADO MURO 6	1	75,00	4,00	6,00	1.800,00
Spc0010	ALZADO MURO 3	1	15,00	2,40	3,00	108,00
						1.908,000
320.0050	m³ EXCAVACIÓN EN VACIADO ENTRE PANTALLAS EN CUALQUIER TIPO DE TERRENO A CIELO ABIERTO					
Spc0010	VACIADO ENTRE PILOTES	0,5	99,80	11,30	8,50	4.792,90
						4.792,900
610.0010	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA					
Spc0010	ZAPATA MURO 6	1	75,00	3,70	0,10	27,75
Spc0010	ZAPATA MURO 3	1	15,00	2,20	0,10	3,30
						31,050
680.0010	m² ENCOFRADO OCULTO PLANO					
Spc0010	ZAPATA MURO 6	2	75,00		0,60	90,00
Spc0010	ZAPATA MURO 3	2	15,00		0,40	12,00
						102,000
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010	MURO 6 M	2	75,00		5,75	862,50
Spc0010	MURO 3 M	2	15,00		3,00	90,00
						952,500
610.0060	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS					
Spc0010	ZAPATA MURO 6	1	75,00	3,50	0,60	157,50
Spc0010	ZAPATA MURO 3	1	15,00	2,00	0,40	12,00
Spc0010	PILOTES	0,91	99,80	0,57	14,00	724,73
Spc0010	ENCEPADO PILOTES	1	99,80	1,00	1,00	99,80
						994,030
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	ALZADO MURO 6	1	75,00	0,50	5,75	215,63
Spc0010	ALZADO MURO 3	1	15,00	0,30	3,00	13,50
						229,130

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	ZAPATA MURO 6	75	75,00	3,50	0,60	11.812,50
Spc0010	ZAPATA MURO 3	75	15,00	2,00	0,40	900,00
Spc0010	PILOTES	125	99,80	0,57	14,00	99.550,50
Spc0010	ENCEPADO PILOTES	100	99,80	1,00	1,00	9.980,00
Spc0010	ALZADO MURO 6	75	75,00	0,50	5,75	16.171,88
Spc0010	ALZADO MURO 3	75	15,00	0,30	3,00	1.012,50
						139.427,380
690.0050	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA					
Spc0010	ALZADO MURO 6	1	75,00	1,00	5,75	431,25
Spc0010	ALZADO MURO 3	1	15,00	1,00	3,00	45,00
						476,250
690.0070	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP					
Spc0010	ZAPATA MURO 6	2	75,00		0,60	90,00
Spc0010		1	75,00	3,00		225,00
Spc0010	ZAPATA MURO 3	2	15,00		1,00	30,00
Spc0010		1	15,00	1,70		25,50
Spc0010	ENCEPADO PILOTES	1	99,80	1,00	1,00	99,80
						470,300
680.1000	ud EQUIPO Y MEDIOS AUXILIARES PILOTES HASTA 1200 mm					
Spc0010	MAQUINARIA PILOTES	1				1,00
						1,000
671.0040	m PILOTE DE DIÁMETRO DESDE 650 HASTA 850 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD					
Spc0010	PILOTES	0,91	99,80		14,00	1.271,45
						1.271,450
308.0020	m SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEG					
Spc0010	PILOTES	0,91	99,80	3,00	14,00	3.814,36
						3.814,360
308.0040	ud ENSAYO POR "CROSS-HOLE" ULTRASÓNICO (3 TUBOS, 3 DIAGRAFÍAS POR PILOTE) HASTA 20 m DE PROFUNDIDAD					
Spc0010	NUMERO DE PILOTES	0,91	99,80			90,82
						90,820
675.1120	m ANCLAJE PERMANENTE CON INYECCIÓN REPETITIVA Y SELECTIVA (IRS) TIPO 4B (8 CABLES)					
Spc0010	ANCLAJES PARA PILOTES	31		17,50		542,50
						542,500
675.1270	ud PARTE FIJA DEL ANCLAJE TIPO 3, 4A, 4B, 7, 8A Y 8B					
Spc0010	NUMERO DE PILOTES	31	1,00			31,00
						31,000
803.0420	m³ HORMIGÓN PROYECTADO H/MP/30 EN SOSTENIMIENTO DE TÚNELES Y OBRAS SUBTERRÁNEAS					
Spc0010	REVESTIMIENTO MURO	1	99,80	8,50	0,15	127,25
						127,250
803.0240	m² MALLA ELECTROSOLDADA SOSTENIMIENTO TÚNELES ACERO CORRUGADO B 500 T DE DIÁMETRO 10 mm CUADRÍCULA 15 X 15					
Spc0010	REVESTIMIENTO	1	99,80		8,50	848,30
						848,300
803.0630	m² CHAPA NERVADA O TROQUELADA 2 mm Y 9 ONDAS POR PANEL COMO ENCOFRADO PERDIDO EN SOSTENIMIENTO O EN RELLENOS DE TÚNELES Y OBRAS SUB					
Spc0010	REVESTIMIENTO	1	99,80		8,50	848,30
						848,300
675.0010	ud BARRA Ø16 DE ACERO CORRUGADO B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, ANCLADA A POSTERIORI L<0,70 m					
Spc0010	REVESTIMIENTO	0,91	99,80	14,00		1.271,45
						1.271,450

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
04.05.04	M4-MURO 4					
300.0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS					
Spc0010	DESPEJE MURO 5	0,5	90,20	15,00		676,50
						676,500
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO					
Spc0010	VIGAS DE ATADO	0,5	60,20	11,30	1,00	340,13
						340,130
320.0050	m³ EXCAVACIÓN EN VACIADO ENTRE PANTALLAS EN CUALQUIER TIPO DE TERRENO A CIELO ABIERTO					
Spc0010	PANTALLAS	0,5	60,20	11,30	6,50	2.210,85
						2.210,850
610.0010	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA					
Spc0010	VIGA DE ATADO	1	60,20	1,20	0,10	7,22
						7,220
680.0010	m² ENCOFRADO OCULTO PLANO					
Spc0010	VIGA DE ATADO	2	60,20		1,00	120,40
						120,400
610.0060	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS					
Spc0010	ENCEPADO	1	60,20	1,00	1,00	60,20
Spc0010	PILOTES 8	0,91	22,35	0,57	8,00	92,74
Spc0010	PILOTES 14	0,91	37,85	0,57	14,00	274,86
						427,800
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	ENCEPADO	100	60,20	1,00	1,00	6.020,00
Spc0010	PILOTES 8	125	22,35	0,57	8,00	12.739,50
Spc0010	PILOTES 14	125	37,85	0,57	14,00	37.755,38
						56.514,880
680.1000	ud EQUIPO Y MEDIOS AUXILIARES PILOTES HASTA 1200 mm					
Spc0010	MAQUINARIA	1				1,00
						1,000
671.0040	m PILOTE DE DIÁMETRO DESDE 650 HASTA 850 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD					
Spc0010	PILOTES 8	0,91	22,35		8,00	162,71
Spc0010	PILOTES 14	0,91	37,85		14,00	482,21
						644,920
675.1120	m ANCLAJE PERMANENTE CON INYECCIÓN REPETITIVA Y SELECTIVA (IRS) TIPO 4B (8 CABLES)					
Spc0010	ANCLAJES	6	17,50			105,00
						105,000
675.1270	ud PARTE FIJA DEL ANCLAJE TIPO 3, 4A, 4B, 7, 8A Y 8B					
Spc0010	NUMERO ANCLAJES	6				6,00
						6,000
308.0020	m SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEG					
Spc0010	PILOTES 8	0,91	22,35	3,00	8,00	488,12
Spc0010	PILOTES 14	0,91	37,85	3,00	14,00	1.446,63
						1.934,750
308.0040	ud ENSAYO POR "CROSS-HOLE" ULTRASÓNICO (3 TUBOS, 3 DIAGRAFÍAS POR PILOTE) HASTA 20 m DE PROFUNDIDAD					
Spc0010	PILOTES 8	0,91	22,35			20,34
Spc0010	PILOTES 14	0,91	37,85			34,44
						54,780

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD	
803.0420	m³ HORMIGÓN PROYECTADO H/MP/30 EN SOSTENIMIENTO DE TÚNELES Y OBRAS SUBTERRÁNEAS						
Spc0010	REVESTIMIENTO	1	60,20	0,15	6,50	58,70	58,700
675.0010	ud BARRA Ø16 DE ACERO CORRUGADO B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, ANCLADA A POSTERIORI L<0,70 m						
Spc0010	REVESTIMIENTO	0,91	60,20	12,00		657,38	657,380
803.0240	m² MALLA ELECTROSOLDADA SOSTENIMIENTO TÚNELES ACERO CORRUGADO B 500 T DE DIÁMETRO 10 mm CUADRÍCULA 15 X 15						
Spc0010	REVESTIMIENTO	1	60,20		6,50	391,30	391,300
803.0630	m² CHAPA NERVADA O TROQUELADA 2 mm Y 9 ONDAS POR PANEL COMO ENCOFRADO PERDIDO EN SOSTENIMIENTO O EN RELLENOS DE TÚNELES Y OBRAS SUB						
Spc0010	REVESTIMIENTO	1	60,20		6,50	391,30	391,300
04.05.05	M5-MURO 5						
300.0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS						
Spc0010	DESPEJE MURO 5	0,5	90,20	15,00		676,50	676,500
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO						
Spc0010	VIGAS DE ATADO	0,5	60,20	11,30	1,00	340,13	
Spc0010	CIMENTACION MURO	1	30,00	3,50	1,00	105,00	
Spc0010	ALZADO MURO	1	30,00	4,00	5,00	600,00	1.045,130
332.0050	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA						
Spc0010	ALZADO	1	30,00	4,00	5,00	600,00	600,000
320.0050	m³ EXCAVACIÓN EN VACIADO ENTRE PANTALLAS EN CUALQUIER TIPO DE TERRENO A CIELO ABIERTO						
Spc0010	PANTALLAS	0,5	60,20	11,30	6,50	2.210,85	2.210,850
610.0010	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA						
Spc0010	VIGA DE ATADO	1	60,20	1,20	0,10	7,22	
Spc0010	CIMENTACION MURO	1	30,00	3,70	0,10	11,10	18,320
680.0030	m² ENCOFRADO VISTO PLANO						
Spc0010	ALZADO MURO	2	30,00		4,10	246,00	246,000
680.0010	m² ENCOFRADO OCULTO PLANO						
Spc0010	VIGA DE ATADO	2	60,20		1,00	120,40	
Spc0010	CIMENTACION	2	30,00		0,60	36,00	156,400
610.0060	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS						
Spc0010	ENCEPADO	1	60,20	1,00	1,00	60,20	
Spc0010	PILOTES 8	0,91	22,35	0,57	8,00	92,74	
Spc0010	PILOTES 14	0,91	37,85	0,57	14,00	274,86	
Spc0010	ZAPATA	1	30,00	3,50	0,60	63,00	490,800
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS						
Spc0010	ALZADOS DE MUROS	1	30,00	0,50	4,10	61,50	61,500

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD	
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS						
Spc0010	ENCEPADO	100	60,20	1,00	1,00	6.020,00	
Spc0010	PILOTES 8	125	22,35	0,57	8,00	12.739,50	
Spc0010	PILOTES 14	125	37,85	0,57	14,00	37.755,38	
Spc0010	ZAPATA	75	30,00	3,50	0,60	4.725,00	
Spc0010	ALZADOS DE MUROS	75	30,00	0,50	4,10	4.612,50	65.852,380
690.0050	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA						
Spc0010	ALZADOS MURO	1	30,00		4,10	123,00	123,000
690.0070	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP						
Spc0010	ZAPATAS	1	30,00	3,00		90,00	
Spc0010		2	30,00		0,60	36,00	126,000
680.1000	ud EQUIPO Y MEDIOS AUXILIARES PILOTES HASTA 1200 mm						
Spc0010	MAQUINARIA	1				1,00	1,000
671.0040	m PILOTE DE DIÁMETRO DESDE 650 HASTA 850 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD						
Spc0010	PILOTES 8	0,91	22,35		8,00	162,71	
Spc0010	PILOTES 14	0,91	37,85		14,00	482,21	644,920
675.1120	m ANCLAJE PERMANENTE CON INYECCIÓN REPETITIVA Y SELECTIVA (IRS) TIPO 4B (8 CABLES)						
Spc0010	ANCLAJES	6	17,50			105,00	105,000
675.1270	ud PARTE FIJA DEL ANCLAJE TIPO 3, 4A, 4B, 7, 8A Y 8B						
Spc0010	NUMERO ANCLAJES	6				6,00	6,000
308.0020	m SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEG						
Spc0010	PILOTES 8	0,91	22,35	3,00	8,00	488,12	
Spc0010	PILOTES 14	0,91	37,85	3,00	14,00	1.446,63	1.934,750
308.0040	ud ENSAYO POR "CROSS-HOLE" ULTRASÓNICO (3 TUBOS, 3 DIAGRAFÍAS POR PILOTE) HASTA 20 m DE PROFUNDIDAD						
Spc0010	PILOTES 8	0,91	22,35			20,34	
Spc0010	PILOTES 14	0,91	37,85			34,44	54,780
803.0420	m³ HORMIGÓN PROYECTADO H/MP/30 EN SOSTENIMIENTO DE TÚNELES Y OBRAS SUBTERRÁNEAS						
Spc0010	REVESTIMIENTO	1	60,20	0,15	6,50	58,70	58,700
675.0010	ud BARRA Ø16 DE ACERO CORRUGADO B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, ANCLADA A POSTERIORI L<0,70 m						
Spc0010	REVESTIMIENTO	0,91	60,20	12,00		657,38	657,380
803.0240	m² MALLA ELECTROSOLDADA SOSTENIMIENTO TÚNELES ACERO CORRUGADO B 500 T DE DIÁMETRO 10 mm CUADRÍCULA 15 X 15						
Spc0010	REVESTIMIENTO	1	60,20		6,50	391,30	391,300
803.0630	m² CHAPA NERVADA O TROQUELADA 2 mm Y 9 ONDAS POR PANEL COMO ENCOFRADO PERDIDO EN SOSTENIMIENTO O EN RELLENOS DE TÚNELES Y OBRAS SUB						
Spc0010	REVESTIMIENTO	1	60,20		6,50	391,30	391,300

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
04.05.06	M6-MURO 6					
300.0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS					
Spc0010	DESPEJE	1	16,25	1,00	16,25	
						16,250
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMENTOS EN TIERRA O TRÁNSITO					
Spc0010	VIGA DE ATADO	1	16,25	0,40	0,40	2,60
						2,600
671.1000	ud TRANSPORTE, MONTAJE Y RETIRADA DE EQUIPO					
Spc0010	MAQUINARIA	1				1,00
						1,000
671.1060	m MICROPILOTE HASTA 180 mm INYECCIÓN TIPO IRS LECHADA HASTA 40 kg CEMENTO					
Spc0010	MURO MICROS PROVISIONAL	4	16,25		6,00	390,00
						390,000
671.1220	t ACERO PARA ARMADURA TUBULAR PARA MICROPILOTES (INCLUIDO UNIONES ROSCADAS).					
Spc0010	CAMISAS MICROS	4	16,50	0,02	6,00	7,92
						7,920
610.0030	m³ HORMIGÓN C25/30 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS					
Spc0010	ENCEPADOS MICROS	1	16,25	0,40	0,40	2,60
						2,600
803.0420	m³ HORMIGÓN PROYECTADO H/MP/30 EN SOSTENIMIENTO DE TÚNELES Y OBRAS SUBTERRÁNEAS					
Spc0010	REVESTIMIENTO	1	16,25		2,00	32,50
						32,500
610.0010	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA					
Spc0010	VIGA DE ATADO	1	16,25	0,60	0,10	0,98
						0,980
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010	VIGA DE ATADO	2	16,25	0,40	0,40	5,20
						5,200
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	ARMADO ATADO	60	16,25	0,40	0,40	156,00
						156,000
04.05.07	M7-MURO 7					
300.0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS					
Spc0010	DESPEJE GENERAL	1	600,00	7,00	4.200,00	
						4.200,000
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMENTOS EN TIERRA O TRÁNSITO					
Spc0010	EXCAVACION ZAPATAS	1	45,00	3,00	1,00	135,00
Spc0010		1	120,00	4,50	1,20	648,00
Spc0010		1	105,00	6,50	1,50	1.023,75
Spc0010		1	330,00	5,00	1,50	2.475,00
						4.281,750
332.0050	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA					
Spc0010	EXCAVACION ZAPATAS	1	45,00	3,00	1,00	135,00
Spc0010		-1	45,00	2,00	0,40	-36,00
Spc0010		1	120,00	4,50	1,20	648,00
Spc0010		-1	120,00	3,50	0,60	-252,00
Spc0010		1	105,00	6,50	1,50	1.023,75
Spc0010		-1	105,00	5,80	1,00	-609,00
Spc0010		1	330,00	5,00	1,50	2.475,00
Spc0010		-1	330,00	4,20	1,25	-1.732,50

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
						1.652,250
610.0010	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA					
Spc0010	LIMPIEZA MUROS	1	45,00	2,20	0,10	9,90
Spc0010		1	120,00	3,70	0,10	44,40
Spc0010		1	105,00	6,00	0,10	63,00
Spc0010		1	330,00	4,40	0,10	145,20
						262,500
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010	ALZADOS	2	45,00		3,00	270,00
Spc0010		2	120,00		5,00	1.200,00
Spc0010		2	105,00		8,00	1.680,00
Spc0010		2	300,00		10,00	6.000,00
						9.150,000
680.0010	m² ENCOFRADO OCULTO PLANO					
Spc0010	CIMENTACIONES	2	45,00		0,40	36,00
Spc0010		2	120,00		0,60	144,00
Spc0010		2	105,00		1,00	210,00
Spc0010		2	300,00		1,25	750,00
						1.140,000
680.1000	ud EQUIPO Y MEDIOS AUXILIARES PILOTES HASTA 1200 mm					
Spc0010	MAQUINARIA	1				1,00
						1,000
671.0040	m PILOTE DE DIÁMETRO DESDE 650 HASTA 850 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD					
Spc0010	CIMENTACION MUROS	0,8	300,00		12,00	2.880,00
						2.880,000
308.0020	m SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEG					
Spc0010	CIMENTACION MUROS	0,8	300,00	4,00	12,00	11.520,00
						11.520,000
308.0040	ud ENSAYO POR "CROSS-HOLE" ULTRASÓNICO (3 TUBOS, 3 DIAGRAFÍAS POR PILOTE) HASTA 20 m DE PROFUNDIDAD					
Spc0010	CIMENTACION MUROS	0,8	300,00			240,00
						240,000
610.0060	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS					
Spc0010	CIMENTACION MUROS_PILOTES	0,8	300,00	0,57	12,00	1.641,60
Spc0010	CIMENTACIONES	1	45,00	2,00	0,40	36,00
Spc0010		1	120,00	3,50	0,60	252,00
Spc0010		1	105,00	5,80	1,00	609,00
Spc0010		1	309,75	4,20	1,25	1.626,19
						4.164,790
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	ALZADOS	1	45,00	0,30	3,00	40,50
Spc0010		1	120,00	0,50	5,00	300,00
Spc0010		1	105,00	0,80	8,00	672,00
Spc0010		1	300,00	1,00	5,00	1.500,00
Spc0010		1	300,00	0,50	5,00	750,00
						3.262,500
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	CIMENTACION MUROS_PILOTES	125	300,00	0,57	12,00	256.500,00
Spc0010	CIMENTACIONES	75	45,00	2,00	0,40	2.700,00
Spc0010		75	120,00	3,50	0,60	18.900,00
Spc0010		75	105,00	5,80	1,00	45.675,00
Spc0010		175	300,00	4,20	1,25	275.625,00
Spc0010	ALZADOS	75	45,00	0,30	3,00	3.037,50
Spc0010		75	120,00	0,50	5,00	22.500,00
Spc0010		75	105,00	0,80	8,00	50.400,00
Spc0010		175	300,00	1,00	5,00	262.500,00
Spc0010		75	300,00	0,50	5,00	56.250,00

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
						994.087,500
690.0050	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA					
Spc0010	ALZADOS	1	45,00		3,00	135,00
Spc0010		1	120,00		5,00	600,00
Spc0010		1	105,00		8,00	840,00
Spc0010		1	300,00		10,00	3.000,00
						4.575,000
690.0070	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP					
Spc0010	CIMENTACIONES	1	45,00	1,70		76,50
Spc0010		2	45,00		0,40	36,00
Spc0010		1	120,00	2,90		348,00
Spc0010		2	120,00		0,60	144,00
Spc0010		1	105,00	5,00		525,00
Spc0010		2	105,00		1,00	210,00
Spc0010		1	300,00	3,95		1.185,00
Spc0010		2	300,00		1,25	750,00
						3.274,500
04.05.08	M8-MURO 8					
300.0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS					
Spc0010	DESPEJE	1	115,50	5,00		577,50
						577,500
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO					
Spc0010	CIMENTACIONES	1	85,50	4,20	1,50	538,65
Spc0010	SECCION EN U	1	30,00	13,80	1,50	621,00
						1.159,650
332.0050	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA					
Spc0010	CIMENTACIONES	1	85,50	4,20	1,50	538,65
Spc0010		-1	85,50	4,20	1,25	-448,88
Spc0010	SECCION EN U	1	30,00	13,80	1,50	621,00
Spc0010		-1	30,00	13,80	1,25	-517,50
						193,270
610.0010	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA					
Spc0010	CIMENTACIONES	1	85,50	4,40	0,10	37,62
Spc0010	SECCION EN U	1	30,00	14,00	0,10	42,00
						79,620
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010	MUROS	2	85,50		8,85	1.513,35
Spc0010	SECCION EN U	4	30,00		8,85	1.062,00
						2.575,350
680.0010	m² ENCOFRADO OCULTO PLANO					
Spc0010	CIMENTACIONES	2	85,50		1,25	213,75
Spc0010	SECCION EN U	2	30,00		1,25	75,00
						288,750
680.1000	ud EQUIPO Y MEDIOS AUXILIARES PILOTES HASTA 1200 mm					
Spc0010	MAQUINARIA	1				1,00
						1,000
671.0040	m PILOTE DE DIÁMETRO DESDE 650 HASTA 850 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD					
Spc0010	CIMENTACION MURO	0,8	85,50		12,00	820,80
						820,800
308.0020	m SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEG					
Spc0010	CIMENTACION MURO	0,8	85,50	3,00	12,00	2.462,40
						2.462,400

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
308.0040	ud ENSAYO POR "CROSS-HOLE" ULTRASÓNICO (3 TUBOS, 3 DIAGRAFÍAS POR PILOTE) HASTA 20 m DE PROFUNDIDAD					
Spc0010	CIMENTACION MURO	0,8	85,50		68,40	68,400
610.0060	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS					
Spc0010	CIMENTACION MURO, PILOTES	0,8	85,50	0,57	12,00	467,86
Spc0010	ZAPATA	1	85,50	4,20	1,25	448,88
Spc0010	CIMENTACION SECCION U	1	30,00	13,80	1,25	517,50
						1.434,240
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	MUROS	1	85,50	1,00	4,85	414,68
Spc0010		1	85,50	0,50	5,00	213,75
Spc0010	SECCION EN U	2	30,00	0,80	8,85	424,80
						1.053,230
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	CIMENTACION MURO, PILOTES	125	85,50	0,57	12,00	73.102,50
Spc0010	ZAPATA	175	85,50	4,20	1,25	78.553,13
Spc0010	CIMENTACION SECCION U	150	30,00	13,80	1,25	77.625,00
Spc0010	MUROS	175	85,50	1,00	4,85	72.568,13
Spc0010		100	85,50	0,50	5,00	21.375,00
Spc0010	SECCION EN U	300	30,00	0,80	8,85	63.720,00
						386.943,760
690.0050	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA					
Spc0010	MUROS	1	85,50		8,85	756,68
Spc0010	SECCION EN U	2	30,00		8,85	531,00
						1.287,680
690.0070	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP					
Spc0010	CIMENTACIONES	2	85,50		1,25	213,75
Spc0010		1	85,50	3,20		273,60
Spc0010	SECCION EN U	2	30,00		1,25	75,00
						562,350
04.05.09	M9-MURO 9					
300.0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS					
Spc0010	DESPEJE	1	105,00	5,00		525,00
						525,000
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO					
Spc0010	CIMENTACION, LOCAL	1	45,00	3,00	0,40	54,00
Spc0010		1	60,00	5,00	0,60	180,00
						234,000
332.0050	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA					
Spc0010	CIMENTACION, LOCAL	1	45,00	3,00	0,40	54,00
Spc0010		-1	45,00	2,00	0,40	-36,00
Spc0010		1	60,00	5,00	0,60	180,00
Spc0010		-1	60,00	3,50	0,60	-126,00
						72,000
610.0010	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA					
Spc0010	CIMENTACION	1	45,00	2,20	0,10	9,90
Spc0010		1	60,00	3,70	0,10	22,20
						32,100
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010	MURO DE 3	2	45,00		2,60	234,00
Spc0010	MURO DE 5	2	60,00		4,60	552,00
						786,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
680.0010	m² ENCOFRADO OCULTO PLANO					
Spc0010	MURO DE 3	2	45,00		0,40	36,00
Spc0010	MURO DE 6	2	60,00		0,60	72,00
						108,000
610.0060	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS					
Spc0010	MURO DE 3	1	45,00	2,00	0,40	36,00
Spc0010	MURO DE 6	1	60,00	3,50	0,60	126,00
						162,000
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	MURO DE 3	1	45,00	0,30	2,60	35,10
Spc0010	MURO DE 5	1	60,00	0,50	4,60	138,00
						173,100
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	MURO DE 3, CIMENTACION	60	45,00	2,00	0,40	2.160,00
Spc0010	MURO DE 6, CIMENTACION	60	60,00	3,50	0,60	7.560,00
Spc0010	MURO DE 3, ALZADO	75	45,00	0,30	2,60	2.632,50
Spc0010	MURO DE 5, ALZADO	75	60,00	0,50	4,60	10.350,00
						22.702,500
690.0050	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA					
Spc0010	MURO DE 3	1	45,00		2,60	117,00
Spc0010	MURO DE 5	1	60,00		4,60	276,00
						393,000
690.0070	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP					
Spc0010	MURO DE 3	2	45,00		0,40	36,00
Spc0010		1	45,00	1,70		76,50
Spc0010	MURO DE 6	2	60,00		0,60	72,00
Spc0010		1	60,00	3,00		180,00
						364,500
04.05.10	M10-MURO 10					
300.0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS					
Spc0010	DESPEJE	1	228,70	6,00		1.372,20
						1.372,200
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO					
Spc0010	EXCAVACIONES LOCALES CIMENTACION	1	90,00	6,20	1,25	697,50
Spc0010		1	75,00	7,80	1,00	585,00
Spc0010		1	48,70	7,25	1,25	441,34
						1.723,840
332.0050	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA					
Spc0010	EXCAVACIONES LOCALES CIMENTACION	1	90,00	6,20	1,25	697,50
Spc0010		-1	90,00	4,20	1,25	-472,50
Spc0010		1	75,00	7,80	1,00	585,00
Spc0010		-1	75,00	5,80	1,00	-435,00
Spc0010		1	48,70	7,25	1,25	441,34
Spc0010		-1	48,70	5,25	1,25	-319,59
						496,750
610.0010	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA					
Spc0010	CIMENTACIONES	1	90,00	4,20	0,10	37,80
Spc0010		1	75,00	5,80	0,10	43,50
Spc0010		1	48,70	5,25	0,10	25,57
						106,870

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010	MURO PILOTES 85	2	90,00		9,00	1.620,00
Spc0010	MURO	2	75,00		7,60	1.140,00
Spc0010	MURO PILOTES 100	2	48,70		12,30	1.198,02
						3.958,020
680.0010	m² ENCOFRADO OCULTO PLANO					
Spc0010	ENCEPADO PILOTES 85	2	90,00		1,25	225,00
Spc0010	MURO	2	75,00		1,00	150,00
Spc0010	ENCEPADO PILOTES 100	2	48,70		1,25	121,75
						496,750
680.1000	ud EQUIPO Y MEDIOS AUXILIARES PILOTES HASTA 1200 mm					
Spc0010	PILOTES 850	1				1,00
Spc0010	PILOTES 1000	1				1,00
						2,000
671.0040	m PILOTE DE DIÁMETRO DESDE 650 HASTA 850 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD					
Spc0010	MURO PILOTES 85	0,8	90,00		12,00	864,00
Spc0010						864,000
671.0050	m PILOTE DE DIÁMETRO DE 1000 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD					
Spc0010	MURO PILOTES 100	0,8	48,70		12,00	467,52
						467,520
308.0020	m SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEG					
Spc0010	MURO PILOTES 85	0,8	90,00	3,00	12,00	2.592,00
Spc0010	MURO PILOTES 100	0,8	48,70	4,00	12,00	1.870,08
						4.462,080
308.0040	ud ENSAYO POR "CROSS-HOLE" ULTRASÓNICO (3 TUBOS, 3 DIAGRAFÍAS POR PILOTE) HASTA 20 m DE PROFUNDIDAD					
Spc0010	MURO PILOTES 85	0,8	90,00			72,00
Spc0010	MURO PILOTES 100	0,8	48,70			38,96
						110,960
610.0060	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS					
Spc0010	PILOTES DE 85	0,8	90,00	0,57	12,00	492,48
Spc0010	PILOTES DE 100	0,8	48,70	0,79	12,00	369,34
Spc0010	ENCEPADO DE 85	1	90,00	4,20	1,25	472,50
Spc0010	CIMENTACION MURO	1	75,00	5,80	1,00	435,00
Spc0010	ENCEPADO DE 100	1	48,70	5,25	1,25	319,59
						2.088,910
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	MURO PILOTES 85	1	90,00	1,00	4,00	360,00
Spc0010		1	90,00	0,50	5,00	225,00
Spc0010	MURO	1	75,00	0,80	7,60	456,00
Spc0010	MURO PILOTES 100	1	48,70	1,25	7,30	444,39
Spc0010		1	48,70	0,50	5,00	121,75
						1.607,140
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	MURO PILOTES 85	175	90,00	1,00	4,00	63.000,00
Spc0010		70	90,00	0,50	5,00	15.750,00
Spc0010	MURO	70	75,00	0,80	7,60	31.920,00
Spc0010	MURO PILOTES 100	175	48,70	1,25	7,30	77.767,81
Spc0010		70	48,70	0,50	5,00	8.522,50
Spc0010	PILOTES DE 85	125	90,00	0,57	12,00	76.950,00
Spc0010	PILOTES DE 100	125	48,70	0,79	12,00	57.709,50
Spc0010	ENCEPADO DE 85	175	90,00	4,20	1,25	82.687,50
Spc0010	CIMENTACION MURO	70	75,00	5,80	1,00	30.450,00
Spc0010	ENCEPADO DE 100	175	48,70	5,25	1,25	55.928,91
						500.686,220

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
690.0050	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA					
Spc0010	MURO PILOTES 85	1	90,00		9,00	810,00
Spc0010	MURO	1	75,00		7,60	570,00
Spc0010	MURO PILOTES 100	1	48,70		12,30	599,01
						1.979,010
690.0070	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP					
Spc0010	MURO PILOTES 85	2	90,00		1,25	225,00
Spc0010		1	90,00	3,20		288,00
Spc0010	MURO	2	75,00		1,00	150,00
Spc0010		1	75,00	5,00		375,00
Spc0010	MURO PILOTES 100	1	48,70		1,25	60,88
Spc0010		2	48,70	4,00		389,60
						1.488,480
04.05.11	M11-MURO 11					
300.0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS					
Spc0010	DESPEJE LOCAL	1	311,15	6,00		1.866,90
						1.866,900
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMENTOS EN TIERRA O TRÁNSITO					
Spc0010	EXCAVACION LOCAL ZAPATA	1	311,12	7,25	2,00	4.511,24
						4.511,240
332.0050	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA					
Spc0010	RELLENO LOCALIZADO	1	311,12	7,25	2,00	4.511,24
Spc0010		-1	311,12	5,25	1,50	-2.450,07
						2.061,170
610.0010	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA					
Spc0010	LIMPIEZA	1	311,12	5,45	0,10	169,56
						169,560
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010	ALZADOS	2	311,12		13,00	8.089,12
						8.089,120
680.0010	m² ENCOFRADO OCULTO PLANO					
Spc0010	CIMENTACION	2	311,12		1,50	933,36
						933,360
308.0040	ud ENSAYO POR "CROSS-HOLE" ULTRASÓNICO (3 TUBOS, 3 DIAGRAFÍAS POR PILOTE) HASTA 20 m DE PROFUNDIDAD					
Spc0010	PILOTES	0,8	311,12			248,90
						248,900
610.0060	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS					
Spc0010	PILOTES	0,8	311,12	0,79	12,00	2.359,53
Spc0010	CIMENTACION	1	311,12	5,25	1,50	2.450,07
						4.809,600
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	ALZADOS	1	311,12	1,25	8,00	3.111,20
Spc0010		1	311,12	0,50	5,00	777,80
						3.889,000
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	PILOTES	125	311,12	0,79	12,00	368.677,20
Spc0010	CIMENTACION	175	311,12	5,25	1,50	428.762,25
Spc0010	ALZADOS	175	311,12	1,25	8,00	544.460,00
Spc0010		75	311,12	0,50	5,00	58.335,00
						1.400.234,450

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
690.0050	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA					
Spc0010	ALZADOS	1	311,12		13,00	4.044,56
						4.044,560
690.0070	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP					
Spc0010	CIMENTACION	2	311,12		1,50	933,36
Spc0010		1	311,12	4,00		1.244,48
						2.177,840
680.1000	ud EQUIPO Y MEDIOS AUXILIARES PILOTES HASTA 1200 mm					
Spc0010	MAQUINARIA	1				1,00
						1,000
671.0050	m PILOTE DE DIÁMETRO DE 1000 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD					
Spc0010	PILOTES CIMENTACION	0,8	311,15		12,00	2.987,04
						2.987,040
308.0020	m SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEG					
Spc0010	PILOTES CIMENTACION	0,8	311,12	4,00	12,00	11.947,01
						11.947,010
04.05.12	M12-MURO 12					
300.0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS					
Spc0010	DESPEJE	1	86,80	4,00		347,20
						347,200
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMENTOS EN TIERRA O TRÁNSITO					
Spc0010	CIMENTACION, LOCAL	1	86,80	5,65	1,00	490,42
						490,420
332.0050	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA					
Spc0010	CIMENTACION, LOCAL	1	86,80	5,65	1,00	490,42
Spc0010		-1	86,80	3,65	0,60	-190,09
						300,330
610.0010	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA					
Spc0010	CIMENTACION	1	86,80	3,85	0,10	33,42
						33,420
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010	ALZADOS	2	86,80		5,50	954,80
						954,800
680.0010	m² ENCOFRADO OCULTO PLANO					
Spc0010	CIMENTACION	2	86,80		0,60	104,16
						104,160
610.0060	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS					
Spc0010	CIMENTACION	1	86,80	3,65	0,60	190,09
						190,090
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	ALZADO	1	86,80	0,65	5,50	310,31
						310,310
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	CIMENTACION	70	86,80	3,65	0,60	13.306,44
Spc0010	ALZADO	70	86,80	0,65	5,50	21.721,70
						35.028,140

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
690.0050	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA					
Spc0010	ALZADO	1	86,80		5,50	477,40
						477,400
690.0070	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP					
Spc0010	CIMENTACION	2	86,80		0,60	104,16
Spc0010		1	86,80	3,00		260,40
						364,560
04.05.13	M13-MURO 13					
300.0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS					
Spc0010	DESPEJE	1	99,95	5,00		499,75
						499,750
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO					
Spc0010	EXCAVACION LOCAL	1	99,95	5,65	1,00	564,72
						564,720
332.0050	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA					
Spc0010	RELLENO LOCAL	1	99,95	5,65	1,00	564,72
Spc0010		-1	99,95	3,65	0,60	-218,89
						345,830
610.0010	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA					
Spc0010	CIMENTACION	1	99,95	3,85	0,10	38,48
						38,480
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010	ALZADOS	2	99,95		6,00	1.199,40
						1.199,400
680.0010	m² ENCOFRADO OCULTO PLANO					
Spc0010	CIMENTACION	2	99,95		0,60	119,94
						119,940
610.0060	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS					
Spc0010	CIMENTACION	1	99,95	3,65	0,60	218,89
						218,890
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	ALZADO	1	99,95	0,65	6,00	389,81
						389,810
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	CIMENTACION	70	99,95	3,65	0,60	15.322,34
Spc0010	ALZADO	70	99,95	0,65	6,00	27.286,35
						42.608,690
690.0050	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA					
Spc0010	ALZADO	1	99,95		6,00	599,70
						599,700
690.0070	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP					
Spc0010	CIMENTACION	2	99,95		0,60	119,94
Spc0010		1	99,95	3,00		299,85
						419,790

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
04.05.14	M14-MURO 14					
300.0010	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS					
Spc0010	DESPEJE ZAPATAS	1	73,90	5,00		369,50
Spc0010	DESPEJE VIGAS DE ATADO	1	150,00	1,00		150,00
						519,500
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO					
Spc0010	EXCAVACION LOCAL ZAPATA	1	73,90	5,00	1,00	369,50
Spc0010	VIGA DE ATADO	1	150,00	2,00	1,00	300,00
						669,500
332.0050	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA					
Spc0010	EXCAVACION LOCAL ZAPATA	1	73,90	5,00	1,00	369,50
Spc0010		-1	73,90	3,50	0,60	-155,19
Spc0010	VIGA DE ATADO	1	150,00	2,00	1,00	300,00
Spc0010		-1	150,00	1,00	1,00	-150,00
						364,310
610.0010	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA					
Spc0010	MURO	1	73,90	3,70	0,10	27,34
Spc0010	VIGA DE ATADO	1	150,00	1,20	0,10	18,00
						45,340
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010	MURO	2	73,90		6,00	886,80
Spc0010	VIGA DE ATADO	2	150,00		1,00	300,00
Spc0010	PANTALLA	2	20,00		2,00	80,00
						1.266,800
680.0010	m² ENCOFRADO OCULTO PLANO					
Spc0010	ZAPATAS MURO	2	73,90		0,60	88,68
						88,680
610.0060	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS					
Spc0010	ZAPATA	1	73,90	3,50	0,60	155,19
Spc0010	VIGA DE ATADO	1	150,00	1,00	1,00	150,00
Spc0010	PILOTES	0,9	75,00	0,57	8,00	307,80
Spc0010		0,9	55,00	0,57	6,00	169,29
						782,280
610.0070	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	ALZADO MURO	1	73,90	0,50	6,00	221,70
Spc0010	PANTALLA	2	10,00	0,50	2,00	20,00
						241,700
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	ZAPATA	70	73,90	3,50	0,60	10.863,30
Spc0010	VIGA DE ATADO	100	150,00	1,00	1,00	15.000,00
Spc0010	PILOTES	125	75,00	0,57	8,00	42.750,00
Spc0010		125	55,00	0,57	6,00	23.512,50
Spc0010	ALZADO MURO	70	73,90	0,50	6,00	15.519,00
Spc0010	PANTALLA	125	20,00	0,50	2,00	2.500,00
						110.144,800
690.0050	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA					
Spc0010	ALZADO MURO	1	73,90		6,00	443,40
						443,400
690.0070	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP					
Spc0010	ZAPATA	1	73,90	3,00		221,70
Spc0010		2	73,90		0,60	88,68
						310,380

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
680.1000	ud EQUIPO Y MEDIOS AUXILIARES PILOTES HASTA 1200 mm					
Spc0010	MAQUINARIA	1			1,00	1,000
671.0040	m PILOTE DE DIÁMETRO DESDE 650 HASTA 850 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD					
Spc0010	PILOTES DE 8	0,9	75,00	0,57	8,00	307,80
Spc0010	PILOTES DE 6	0,9	55,00	0,57	6,00	169,29
						477,090
308.0020	m SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEG					
Spc0010	PILOTES DE 8 M	0,9	75,00	3,00	8,00	1.620,00
Spc0010	PILOTES DE 6 M	0,9	55,00	3,00	6,00	891,00
						2.511,000
308.0040	ud ENSAYO POR "CROSS-HOLE" ULTRASÓNICO (3 TUBOS, 3 DIAGRAFÍAS POR PILOTE) HASTA 20 m DE PROFUNDIDAD					
Spc0010	PILOTES DE 8	0,9	75,00			67,50
Spc0010	PILOTES DE 6	0,9	55,00			49,50
						117,000
803.0420	m³ HORMIGÓN PROYECTADO H/MP/30 EN SOSTENIMIENTO DE TÚNELES Y OBRAS SUBTERRÁNEAS					
Spc0010	REVESTIMIENTO	1	150,00	0,15	3,00	67,50
						67,500
675.0010	ud BARRA Ø16 DE ACERO CORRUGADO B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, ANCLADA A POSTERIORI L<0,70 m					
Spc0010	REVESTIMIENTO	0,9	150,00	5,00		675,00
Spc0010	CONEXION PANTALLAS	4		20,00		80,00
						755,000
803.0240	m² MALLA ELECTROSOLDADA SOSTENIMIENTO TÚNELES ACERO CORRUGADO B 500 T DE DIÁMETRO 10 mm CUADRÍCULA 15 X 15					
Spc0010	REVESTIMIENTO	1	150,00		3,00	450,00
						450,000
803.0630	m² CHAPA NERVADA O TROQUELADA 2 mm Y 9 ONDAS POR PANEL COMO ENCOFRADO PERDIDO EN SOSTENIMIENTO O EN RELLENOS DE TÚNELES Y OBRAS SUB					
Spc0010	REVESTIMIENTO	1	150,00		3,00	450,00
						450,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
06	SOLUCIONES AL TRÁFICO DURANTE LAS OBRAS					
06.01	FASE 1. PASO SUPERIOR 2					
700.0020	m MARCA VIAL BLANCA REFLECTANTE, TERMOPLÁSTICA EN CALIENTE, ANCHO 15 cm					690,000
701.0220_N	m2 CARTEL TIPO FLECHA EN CHAPA DE ACERO GALVANIZADO, CON RA3, FONDO AMARILLO					5,000
701.0260_N	m2 PANEL EN LAMAS DE ACERO GALVANIZADO CLASE RA3, FONDO AMARILLO					5,000
700.0130	m² MARCA VIAL BLANCA REFLECTANTE, TIPO ACRÍLICA, EN SÍMBOLOS					5,000
701.0005_N	ud CONO TIPO TB-6					10,000
701.0020_N	ud SEÑAL TRIANGULAR FONDO AMARILLO DE 175 cm DE LADO Y RETRORREFLECTANCIA DE CLASE RA2					3,000
701.0060_N	ud SEÑAL CIRCULAR FONDO AMARILLO DE 120 cm DE DIÁMETRO Y RETRORREFLECTANCIA DE CLASE RA2					3,000
703.0080_N	ud PANEL DIRECCIONAL 160x40 cm, CON CLASE RA2					4,000
704.0012_N	m BARRERA DE SEGURIDAD PREFABRICADA DE HORMIGÓN EN DESVÍOS. NIVEL DE CONTENCIÓN N2,D A O B, ANCHURA DE TRABAJO W3 O INFERIOR.					
Spc0010			500,0000		500,0000	500,000
06.02	FASE 2. PASO SUPERIOR 1					
700.0100	m MARCA VIAL AMARILLA REFLECTANTE, TIPO ACRÍLICA, ANCHO 10 cm					840,000
700.1010_N	m BORRADO CON PINTURA NEGRA DE MARCAS VIALES					840,000
701.0220_N	m2 CARTEL TIPO FLECHA EN CHAPA DE ACERO GALVANIZADO, CON RA3, FONDO AMARILLO					10,000
701.0260_N	m2 PANEL EN LAMAS DE ACERO GALVANIZADO CLASE RA3, FONDO AMARILLO					25,000
704.0014_N	ud BARRERA DE SEGURIDAD PORTATIL TIPO NEW JERSEY DE PEAD					
Spc0010			2.000,00		2.000,00	2.000,000
700.0130	m² MARCA VIAL BLANCA REFLECTANTE, TIPO ACRÍLICA, EN SÍMBOLOS					5,000
701.0020_N	ud SEÑAL TRIANGULAR FONDO AMARILLO DE 175 cm DE LADO Y RETRORREFLECTANCIA DE CLASE RA2					8,000
701.0060_N	ud SEÑAL CIRCULAR FONDO AMARILLO DE 120 cm DE DIÁMETRO Y RETRORREFLECTANCIA DE CLASE RA2					8,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
703.0080_N	ud PANEL DIRECCIONAL 160x40 cm, CON CLASE RA2					20,000
704.0012_N	m BARRERA DE SEGURIDAD PREFABRICADA DE HORMIGÓN EN DESVÍOS. NIVEL DE CONTENCIÓN N2,D A O B, ANCHURA DE TRABAJO W3 O INFERIOR.					30,000
701.0005_N	ud CONO TIPO TB-6					10,000

06.03 FASE 2. PASO SUPERIOR 3

06.03.01 MOVIMIENTO DE TIERRAS

320.0020	m³	EXCAVACIÓN EN DESMONTE EN TIERRA CON MEDIOS MECÁNICOS SIN EXPLOSIVOS					6.768,060
330.0020	m3	TERRAPLÉN O PEDRAPLEN O RELLENO TODO-UNO CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN					3.384,030
301.0040	m²	DEMOLICIÓN DE FIRME O PAVIMENTO EXISTENTE					20,000
300.0010	m²	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS					14.916,700
512.0130	m³	SUELO ESTABILIZADO "IN SITU" CON CEMENTO, TIPO S-EST3, CON MATERIAL DE PRÉSTAMO					4.060,830
202.0020	t	CEMENTO PARA ESTABILIZACIÓN DE SUELOS, SUELO-CEMENTO O GRAVA-CEMENTO					243,650
531.0020	t	EMULSIÓN C60B3 ADH EN RIEGOS DE ADHERENCIA O C60B3 CUR EN RIEGOS DE CURADO					6,770
330.0055	m³	SUELO SELECCIONADO PROCEDENTE DE YACIMIENTO GRANULAR O CANTERA PARA FORMACION DE EXPLANADA					4.060,830

06.03.02 FIRMES

542.0050	t	MBC TIPO AC22 BIN S, EXCEPTO BETÚN Y POLVO MINERAL					1.624,330
531.0020	t	EMULSIÓN C60B3 ADH EN RIEGOS DE ADHERENCIA O C60B3 CUR EN RIEGOS DE CURADO					
Spc0010	s/ mediciones auxiliares		0,35	13.536,1100	0,0010	1,0000	4,7376
Spc0010	R. adherencia		0,5	13.536,1100	0,0010	2,0000	13,5361
530.0010	t	ÁRIDO EMPLEADO EN RIEGOS DE IMPRIMACIÓN O DE CURADO					18,274
Spc0010	C60B3 CUR		2	13.536,1100	0,0100		270,7222
332.0041_N	m3	IMPERMEABILIZACION DE BERMAS					270,722
211.0020	t	BETÚN ASFÁLTICO CONVENCIONAL TIPO 50/70					947,530
Spc0010	AC22 bin 50/70 S		0,04	1.624,3300			64,9732
Spc0010	AC32 Base 50/70 S		0,04	2.274,0700			90,9628
							155,936

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
542.0110	t CARBONATO EMPLEADO COMO POLVO MINERAL DE APORTACIÓN					
Spc0010	AC22 bin 50/70 S	0,044	1.624,3300			71,4705
Spc0010	AC32 Base 50/70 S	0,04	2.274,0700			90,9628
Spc0010	BBTM 11B	0,058	913,6800			52,9934
513.0010	m³ SUELO-CEMENTO FABRICADO EN CENTRAL CON MATERIAL GRANULAR PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA					215,427
202.0030	t CEMENTO PARA ESTABILIZACIÓN DE SUELOS, SUELOCEMENTO O GRAVACEMENTO					2.707,220
215.0020	t BETÚN MODIFICADO CON POLÍMEROS (CON O SIN CAUCHO) TIPO PMB 45/80-60					162,430
Spc0010	Según mediciones auxiliares. BBTM 11B	0,048	913,6800			43,8566
531.0040	t EMULSIÓN C60BP3 ADH, MODIFICADA CON POLÍMEROS, EN RIEGO DE ADHERENCIA					43,857
Spc0010	En riegos de adherencia modificado	1	13.536,110	0,500	0,001	6,768
570.006_N	m BORDILLO PREF. HORM. NO MONTABLE 0.10x0.20x0.40 m					6,768
570.004_N	m BORDILLO MONTABLE PREF. HORM. 0.20x0.22x0.5 m					157,080
551.0010	m3 HORMIGÓN MAGRO EN BASE DE FIRME					21,000
543.0020	m² MBC TIPO BBTM 11B EN CAPA DE RODADURA, EXCEPTO BETÚN Y POLVO MINERAL					18,100
Spc0010	s/ mediciones auxiliares		13.536,11			13.536,11
542.0080	t MBC TIPO AC32 BASE S, EXCEPTO BETÚN Y POLVO MINERAL					13.536,110
Spc0010			2.274,07			2.274,07
						2.274,070

06.03.03 SEÑALIZACIÓN

700.0100	m	MARCA VIAL AMARILLA REFLECTANTE, TIPO ACRÍLICA, ANCHO 10 cm					
Spc0010	Desvío por paso superior 2						
Spc0010	Desvío de tronco		1.150,0000			1.150,0000	1.150,000
700.1010_N	m	BORRADO CON PINTURA NEGRA DE MARCAS VIALES					
Spc0010	Desvío por paso superior 2						
Spc0010	Desvío de tronco		1.150,0000			1.150,0000	1.150,000
701.0020_N	ud	SEÑAL TRIANGULAR FONDO AMARILLO DE 175 cm DE LADO Y RETRORREFLECTANCIA DE CLASE RA2					
Spc0010	Desvío por paso superior 2		25			25,00	
Spc0010	Desvío de tronco		6			6,00	31,000
701.0060_N	ud	SEÑAL CIRCULAR FONDO AMARILLO DE 120 cm DE DIÁMETRO Y RETRORREFLECTANCIA DE CLASE RA2					
Spc0010	Desvío por paso superior 2		25			25,00	
Spc0010	Desvío de tronco		6			6,00	31,000
701.0220_N	m2	CARTEL TIPO FLECHA EN CHAPA DE ACERO GALVANIZADO, CON RA3, FONDO AMARILLO					
Spc0010	Desvío por paso superior 2		12			12,000	
Spc0010	Desvío de tronco						12,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
701.0260_N	m2 PANEL EN LAMAS DE ACERO GALVANIZADO CLASE RA3, FONDO AMARILLO					
Spc0010	Desvío por paso superior 2	12				12,000
Spc0010	Desvío de tronco	10				10,000
						22,000
701.0004_N	ud LUZ AMBAR INTERMITENTE TL-2					
Spc0010	Desvío por paso superior 2		30,0000			30,0000
Spc0010	Desvío de tronco		30,0000			30,0000
						60,000
703.0080_N	ud PANEL DIRECCIONAL 160x40 cm, CON CLASE RA2					
Spc0010	Desvío por paso superior 2		10,0000			10,0000
Spc0010	Desvío de tronco		10,0000			10,0000
						20,000
703.013_N	ud PANEL DE ZONA EXCLUIDA TB-5 Y CLASE RA-2					
						20,000
704.0012_N	m BARRERA DE SEGURIDAD PREFABRICADA DE HORMIGÓN EN DESVÍOS. NIVEL DE CONTENCIÓN N2,D A O B, ANCHURA DE TRABAJO W3 O INFERIOR.					
Spc0010	Desvío por paso superior 2		50,0000			50,0000
Spc0010	Desvío de tronco		618,0000			618,0000
						668,000
701.0005_N	ud CONO TIPO TB-6					
Spc0010	Desvío por paso superior 2		20,0000			20,0000
Spc0010	Desvío de tronco		20,0000			20,0000
						40,000
703.0130_N	h SEÑALISTA					
Spc0010	Desvío por paso superior 2		100,00			100,00
Spc0010	Desvío de tronco		100,00			100,00
						200,000
704.0014_N	ud BARRERA DE SEGURIDAD PORTATIL TIPO NEW JERSEY DE PEAD					
Spc0010			500,00			500,00
						500,000

06.04	FASE 3. OBRAS EN TRONCO
06.04.01	MOVIMIENTO DE TIERRAS
	1,000
06.04.02	PAVIMENTOS
	1,000
06.04.03	SEÑALIZACIÓN Y BALIZAMIENTO
	1,000

06.05	CIERRE DEL BYPASS				
701.0004_N	ud	LUZ AMBAR INTERMITENTE TL-2			
Spc0010			50	50,0000	
					50,000
701.0005_N	ud	CONO TIPO TB-6			
Spc0010			200	200,0000	
					200,000
701.0020_N	ud	SEÑAL TRIANGULAR FONDO AMARILLO DE 175 cm DE LADO Y RETRORREFLECTANCIA DE CLASE RA2			
Spc0010			15	15,00	
					15,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
701.0060_N	ud SEÑAL CIRCULAR FONDO AMARILLO DE 120 cm DE DIÁMETRO Y RETRORREFLECTANCIA DE CLASE RA2					
Spc0010			15			15,00
						15,000
701.0170_N	ud SEÑAL RECTANGULAR FONDO AMARILLO DE 120X180 cm DE LADO Y RETRORREFLECTANCIA DE CLASE RA2					
Spc0010			15			15,0000
						15,000
701.0220_N	m2 CARTEL TIPO FLECHA EN CHAPA DE ACERO GALVANIZADO, CON RA3, FONDO AMARILLO					
Spc0010			4			4,000
						4,000
701.0260_N	m2 PANEL EN LAMAS DE ACERO GALVANIZADO CLASE RA3, FONDO AMARILLO					
Spc0010	Carteles señalización corte bypass	22		1,800	1,400	55,440
Spc0010	En itininario de corte bypass	8		1,800	1,400	20,160
						75,600
703.0080_N	ud PANEL DIRECCIONAL 160x40 cm, CON CLASE RA2					
Spc0010			20			20,0000
						20,000
703.0130_N	h SEÑALISTA					
Spc0010			40			40,00
						40,000
703.013_N	ud PANEL DE ZONA EXCLUIDA TB-5 Y CLASE RA-2					
Spc0010			2			2,0000
						2,000
704.0012_N	m BARRERA DE SEGURIDAD PREFABRICADA DE HORMIGÓN EN DESVÍOS. NIVEL DE CONTENCIÓN N2,D A O B, ANCHURA DE TRABAJO W3 O INFERIOR.					
Spc0010	Para cortes de bypass		3.000			3.000,0000
						3.000,000
704.0014_N	ud BARRERA DE SEGURIDAD PORTATIL TIPO NEW JERSEY DE PEAD					
Spc0010	Para cortes de bypass		3.000			3.000,00
						3.000,000

06.06	PUENTE CV-35				
701.0004_N Spc0010	ud	LUZ AMBAR INTERMITENTE TL-2	25	25,0000	<div><div></div><div>25,000</div></div>
701.0005_N Spc0010	ud	CONO TIPO TB-6	100	100,0000	<div><div></div><div>100,000</div></div>
701.0020_N Spc0010	ud	SEÑAL TRIANGULAR FONDO AMARILLO DE 175 cm DE LADO Y RETRORREFLECTANCIA DE CLASE RA2	10	10,00	<div><div></div><div>10,000</div></div>

701.0060_N	ud SEÑAL CIRCULAR FONDO AMARILLO DE 120 cm DE DIÁMETRO Y RETRORREFLECTANCIA DE CLASE RA2				
Spc0010		10			10,00
					10,000
701.0170_N	ud SEÑAL RECTANGULAR FONDO AMARILLO DE 120X180 cm DE LADO Y RETRORREFLECTANCIA DE CLASE RA2				
Spc0010		10			10,0000
					10,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
701.0220_N	m2 CARTEL TIPO FLECHA EN CHAPA DE ACERO GALVANIZADO, CON RA3, FONDO AMARILLO					
Spc0010		4				4,000
703.0080_N	ud PANEL DIRECCIONAL 160x40 cm, CON CLASE RA2					
Spc0010		20				20,000
703.0130_N	h SEÑALISTA					
Spc0010		40				40,00
703.013_N	ud PANEL DE ZONA EXCLUIDA TB-5 Y CLASE RA-2					
Spc0010		2				2,000
704.0012_N	m BARRERA DE SEGURIDAD PREFABRICADA DE HORMIGÓN EN DESVÍOS. NIVEL DE CONTENCIÓN N2,D A O B, ANCHURA DE TRABAJO W3 O INFERIOR.					
Spc0010	Para cortes de bypass	1.500				1.500,000
704.0014_N	ud BARRERA DE SEGURIDAD PORTATIL TIPO NEW JERSEY DE PEAD					
Spc0010	Para cortes de bypass	1.500				1.500,00
						1.500,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
07	SEÑALIZACIÓN, BALIZAMIENTO Y DEFENSAS					
07.01	SEÑALIZACIÓN VERTICAL					
701.0230	m² CARTEL TIPO FLECHA EN CHAPA DE ACERO GALVANIZADO, CON RA2					
Spc0010	Flecha	5				5,00
701.0270	m² PANEL EN LAMAS DE ACERO GALVANIZADO CLASE RA2					
Spc0010		50				50,00
701.0280	m² PANEL EN LAMAS DE ALUMINIO EXTRUSIONADO CLASE RA3, EN PÓRTICOS O BANDEROLAS					
Spc0010		12	9,00	6,00		648,00
701.0310	ud BANDEROLA ACERO GALVANIZADO, DE HASTA 7,00 m DE BRAZO Y HASTA 30 m² DE CARTELERÍA (NO INCLUIDA)					
Spc0010		2				2,00
701.0350	ud PÓRTICO ACERO GALVANIZADO, LUZ HASTA 17,00 m Y HASTA 60 m² DE CARTELERÍA (NO INCLUIDA)					
Spc0010		12				12,00
701.0010	ud SEÑAL TRIANGULAR DE 175 cm DE LADO Y RETRORREFLECTANCIA DE CLASE RA3					
Spc0010		15				15,00
701.0050	ud SEÑAL CIRCULAR DE 120 cm DE DIÁMETRO Y RETRORREFLECTANCIA DE CLASE RA3					
Spc0010		20				20,00
701.0120	ud SEÑAL CUADRADA DE 120 cm DE LADO Y RETRORREFLECTANCIA DE CLASE RA3					
Spc0010		10				10,00
701.0160	ud SEÑAL RECTANGULAR DE 120X180 cm DE LADO Y RETRORREFLECTANCIA DE CLASE RA3					
Spc0010		10				10,00
700.0020	m MARCA VIAL BLANCA REFLECTANTE, TERMOPLÁSTICA EN CALIENTE, ANCHO 15 cm					
Spc0010	M-2.6	1	600,00			600,00
Spc0010	M-1.1	0,28	19.845,00			5.556,60
Spc0010	M-2.2	1	31.945,00			31.945,00
700.0130	m² MARCA VIAL BLANCA REFLECTANTE, TIPO ACRÍLICA, EN SIMBOLOS					
Spc0010		1	4.760,0000			4.760,0000
Spc0010		1	4.806,0000			4.806,0000
700.0031_N	m MARCA VIAL BLANCA REFLECTANTE, TERMOPLÁSTICA EN CALIENTE, ANCHO 40 cm					
Spc0010	M-1.6.	1	1.240,00			1.240,00

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
07.03	BALIZAMIENTO					
701.0430	ud HITO KILOMÉTRICO S-572 DE 60X40 cm DE LADO DE CLASE RA2					
Spc0010		6			6,00	
						6,000
702.0020	ud CAPTAFARO HORIZONTAL CON REFLECTANCIA A DOS CARAS					
Spc0010		100			100,00	
						100,000
703.0010	ud BALIZA CILÍNDRICA CH-75 DE CLASE RA2					
Spc0010		30			30,00	
						30,000
703.0020	ud HITO DE VÉRTICE N-120 RETRORREFLECTANTE DE CLASE RA2					
Spc0010		4			4,00	
						4,000
703.0045	ud HITO DE ARISTA DE H-155 CM DE TIPO I DE CLASE RA2					
Spc0010		75			75,00	
						75,000
703.0110	ud PANEL DIRECCIONAL DE 80X40 cm, DE CLASE RA2					
Spc0010		50			50,00	
						50,000
07.04	DEFENSAS					
704.0740_N	m BARRERA DE HORMIGÓN SIMPLE, CLASE DE CONTENCIÓN ALTA, H2, W1 O INFERIOR, D=0,0 m, ÍNDICE DE SEVERIDAD B					
Spc0010	s/ mediciones auxiliares	1	10.756,00		10.756,00	
Spc0010	s/ mediciones auxiliares	1	4.514,00		4.514,00	
						15.270,000
704.2740_N	m BARRERA DE HORMIGÓN DOBLE, CLASE DE CONTENCIÓN ALTA, H2, W1 O INFERIOR, D=0,0 m, ÍNDICE DE SEVERIDAD B					
Spc0010	s/ mediciones auxiliares	1	2.125,00		2.125,00	
						2.125,000
704.0730_N	m BARRERA DE HORMIGÓN PREFABRICADA SIMPLE, CLASE DE CONTENCIÓN ALTA, H4b, W3 O INFERIOR, D=0,1 m O INFERIOR, ÍNDICE DE SEVERIDAD B					
Spc0010	s/ mediciones auxiliares	1	1.198,00		1.198,00	
						1.198,000
704.0710	m BARRERA METÁLICA SEGURIDAD SIMPLE, CLASE CONTENCIÓN ALTA, H2, W4 O INFERIOR, D=1,1 m O INFERIOR, ÍNDICE DE SEVERIDAD A					
Spc0010	s/ mediciones auxiliares	1	2.215,00		2.215,00	
						2.215,000
704.0620	m BARRERA METÁLICA SEGURIDAD SIMPLE, CLASE CONTENCIÓN ALTA, H1, W3 O INFERIOR, D=0,9 m O INFERIOR, ÍNDICE DE SEVERIDAD A					
Spc0010	s/ mediciones auxiliares	1	5.505,00		5.505,00	
						5.505,000
704.1700	m BARRERA METÁLICA SEGURIDAD SIMPLE CON SPM, CLASE CONTENCIÓN ALTA, H2, W5 O INFERIOR, D=1,4 m O INFERIOR, ÍNDICE DE SEVERIDAD A,					
Spc0010	s/ mediciones auxiliares	1	552,00		552,00	
						552,000
704.1610	m BARRERA METÁLICA SEGURIDAD SIMPLE CON SPM, CLASE CONTENCIÓN ALTA, H1, W5 O INFERIOR, D=1,0 m O INFERIOR, ÍNDICE DE SEVERIDAD A,					
Spc0010	s/ mediciones auxiliares	1	731,00		731,00	
						731,000
617.0810	m PRETIL METÁLICO GALVANIZADO Y TERMOLACADO CLASE CONTENCIÓN ALTA, H3, W2 O INFERIOR, ÍNDICE DE SEVERIDAD B					
Spc0010	s/ mediciones auxiliares	1	437,00		437,00	
						437,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
617.0920_N	m PRETIL DE HORMIGÓN CLASE CONTENCIÓN ALTA, H3, W2 O INFERIOR, ÍNDICE DE SEVERIDAD B					
Spc0010	s/ mediciones auxiliares	1	1.216,00		1.216,00	
						1.216,000
617.0920	m PRETIL DE HORMIGÓN CLASE CONTENCIÓN MUY ALTA, H4b, W2 O INFERIOR, ÍNDICE DE SEVERIDAD B					
Spc0010	s/ mediciones auxiliares	1	1.185,00		1.185,00	
						1.185,000
704.3720	m BARRERA METÁLICA MÓVIL EN PASO DE MEDIANA, CLASE CONTENCIÓN ALTA, H2, W3 O INFERIOR, D=0,3 m O INFERIOR, ÍNDICE DE SEVERIDAD B					
Spc0010	s/ mediciones auxiliares	1	120,00		120,00	
						120,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
08	ORDENACIÓN ECOLÓGICA, ESTÉTICA Y PAISAJÍSTICA					
08.01	PROTECCIÓN SUELOS Y VEGETACIÓN					
801.0030	m	JALONAMIENTO TEMPORAL CON SOPORTES ANGULARES METÁLICOS				
Spc0010	JALONAMIENTO PERÍMETRO DE OBRA	1118.000,0000			118.000,0000	
Spc0010	Vegetación a proteger					118.000,000
801.0483_N	m2	LABOREO MECANIZADO SUELO COMPACTO				
Spc0010	ZONA INSTALACIONES AUXILIARES	1	56.590,0000		56.590,0000	
Spc0010	ZONAS ACOPIO TEMPORAL TIERRA VEGETAL		893,0000		893,0000	
						57.483,000
801.0205N	u	PROTECCIÓN DEL TRONCO DE EJEMPLARES ARBÓREOS				
Spc0010		200			200,00	
						200,000
08.02	PROTECCIÓN DE LA CALIDAD ACÚSTICA					
08.02.01	PANTALLA MURO VERDE					
801.0110	m²	PANEL ACÚSTICO DE POLIMETACRILATO DE METILO				
Spc0010	MD PK 0+850 al 1+550 según secuencia propuesta	38	4,00	3,00	456,00	
Spc0010	MD PK 0+850 al 1+550 según secuencia propuesta	38	4,00	2,00	304,00	
Spc0010	MD PK 0+850 al 1+550 según secuencia propuesta	38	4,00	1,00	152,00	
						912,000
801.0100	m²	PANEL METÁLICO ACÚSTICO FONOABSORBENTE				
Spc0010	MD PK 0+850 al 1+550 según secuencia propuesta	38	4,00	4,00	608,00	
Spc0010	MD PK 0+850 al 1+550 según secuencia propuesta	38	4,00	3,00	456,00	
Spc0010	MD PK 0+850 al 1+550 según secuencia propuesta	38	4,00	2,00	304,00	
Spc0010	MD PK 0+850 al 1+550 según secuencia propuesta	38	4,00	1,00	152,00	
						1.520,000
08.02.02	METALICA EN MEDIANA					
801.0100	m²	PANEL METÁLICO ACÚSTICO FONOABSORBENTE				
Spc0010	Modulo de 4 metros en la MI: PK 0+893 al 1+940.	1	1.050,00	5,00	5.250,00	
						5.250,000
08.02.03	SEMICUBIERTA					
801.0110	m²	PANEL ACÚSTICO DE POLIMETACRILATO DE METILO				
Spc0010	MD PK 2+080 al 2+470	115	4,00	14,00	6.440,00	
Spc0010	MI PK 2+080 al 2+470	115	4,00	14,00	6.440,00	
						12.880,000
801.0100	m²	PANEL METÁLICO ACÚSTICO FONOABSORBENTE				
Spc0010	MD PK 2+080 al 2+470	115	4,00	5,00	2.300,00	
Spc0010	MI PK 2+080 al 2+470	115	4,00	5,00	2.300,00	
						4.600,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
08.02.04	MARQUESINA					
801.0110	m²	PANEL ACÚSTICO DE POLIMETACRILATO DE METILO				
Spc0010	MI PK 0+420 al 0+878	115	4,00	10,00	4.600,00	
						4.600,000
08.02.05	METALICA CON VOLADIZO					
801.0100	m²	PANEL METÁLICO ACÚSTICO FONOABSORBENTE				
Spc0010	MD PK 1+820 al 1+965	33	4,00	5,00	660,00	
Spc0010	MD PK 2+470 al 2+490	5	4,00	6,00	120,00	
Spc0010	MD PK 2+550 al 2+665	29	4,00	6,00	696,00	
						1.476,000
801.0110	m²	PANEL ACÚSTICO DE POLIMETACRILATO DE METILO				
Spc0010	MD PK 1+820 al 1+965	33	4,00	1,00	132,00	
Spc0010	MD PK 2+470 al 2+490	5	4,00	1,00	20,00	
Spc0010	MD PK 2+550 al 2+665	29	4,00	1,00	116,00	
						268,000
08.02.06	PANTALLA MIXTA SOBRE DESMONTE					
801.0100	m²	PANEL METÁLICO ACÚSTICO FONOABSORBENTE				
Spc0010	MD PK 1+550 al 1+820 según secuencia propuesta	18	4,00	4,00	288,00	
Spc0010	MD PK 1+550 al 1+820 según secuencia propuesta	18	4,00	3,00	216,00	
Spc0010	MD PK 1+550 al 1+820 según secuencia propuesta	18	4,00	2,00	144,00	
Spc0010	MD PK 1+550 al 1+820 según secuencia propuesta	18	4,00	1,00	72,00	
Spc0010	MD PK 2+2665 al 2+885 según secuencia propuesta	15	4,00	4,00	240,00	
Spc0010	MD PK 2+2665 al 2+885 según secuencia propuesta	15	4,00	3,00	180,00	
Spc0010	MD PK 2+2665 al 2+885 según secuencia propuesta	15	4,00	2,00	120,00	
Spc0010	MD PK 2+2665 al 2+885 según secuencia propuesta	15	4,00	1,00	60,00	
						1.320,000
801.0110	m²	PANEL ACÚSTICO DE POLIMETACRILATO DE METILO				
Spc0010	MD PK 1+550 al 1+820 según secuencia propuesta	18	4,00	3,00	216,00	
Spc0010	MD PK 1+550 al 1+820 según secuencia propuesta	18	4,00	2,00	144,00	
Spc0010	MD PK 1+550 al 1+820 según secuencia propuesta	18	4,00	1,00	72,00	
Spc0010	MD PK 2+2665 al 2+885 según secuencia propuesta	15	4,00	3,00	180,00	
Spc0010	MD PK 2+2665 al 2+885 según secuencia propuesta	15	4,00	2,00	120,00	
Spc0010	MD PK 2+2665 al 2+885 según secuencia propuesta	15	4,00	1,00	60,00	
						792,000
08.02.01	ud	PANTALLA MURO VERDE				
						1,000
08.02.02	ud	METALICA EN MEDIANA				
						1,000
08.02.03	ud	SEMICUBIERTA				
						1,000
08.02.04	ud	MARQUESINA				
						1,000
08.02.05	ud	METALICA CON VOLADIZO				
						1,000
08.02.06	ud	PANTALLA MIXTA SOBRE DESMONTE				
						1,000
300.0010	m²	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS				
Spc0010	MURO VERDE	1	596,00	6,00	3.576,00	
						3.576,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO					
Spc0010	PANTALLA MURO VERDE	255	4,00	4,00	1,00	4.080,00
						4.080,000
332.0050	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA					
Spc0010	PANTALLA MURO VERDE	255	4,00	4,00	1,00	4.080,00
Spc0010		-255	3,00	3,00	0,80	-1.836,00
Spc0010		1	1.020,00	4,00	1,00	4.080,00
Spc0010		1	1.020,00	3,00	1,00	3.060,00
Spc0010		1	1.020,00	2,00	1,00	2.040,00
Spc0010		-255	0,70	0,30	4,00	-214,20
						11.209,800
610.0010	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA					
Spc0010	MURO VERDE - ZAPATA	255	3,00	3,00	0,10	229,50
						229,500
610.0060	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS					
Spc0010	MURO VERDE - ZAPATA	255	3,00	3,00	0,80	1.836,00
Spc0010	PILARES	255	0,70	0,30	4,00	214,20
Spc0010	TABIQUE	1	950,00	0,30	1,00	285,00
Spc0010	CUBRICIÓN PILOTES	266	7,00	0,79		1.470,98
Spc0010	MARQUESINA PILOTES	133	4,50	0,39		233,42
Spc0010	PANTALLAS EN VOLADIZO	49	4,00	0,39		76,44
						4.116,040
600.0020	kg ACERO EN BARRAS CORRUGADAS B 500 SD					
Spc0010	MURO VERDE - ZAPATA	255	180,0000	3,0000	0,8000	110.160,0000
Spc0010	PILARES	255	0,7000	0,3000	400,0000	21.420,0000
Spc0010	TABIQUE	60	950,0000	0,3000	1,0000	17.100,0000
Spc0010	CUBRICIÓN PILOTES	266	7,0000	0,7850	100,0000	146.167,0000
Spc0010	MARQUESINA PILOTES	133	4,5000	0,3850	100,0000	23.042,2500
Spc0010	PANTALLAS EN VOLADIZO	49	4,0000	0,3850	100,0000	7.546,0000
						325.435,250
620.0020	kg ACERO S275JR EN CHAPAS Y PERFILES LAMINADOS					
Spc0010	MONTANTE MURO VERDE	255	4,00	30,40		31.008,00
Spc0010	CUBRICIÓN	133	60,00	141,80		1.131.564,00
Spc0010		44	532,00	10,40		243.443,20
Spc0010	MARQUESINA PILOTES	133	8,00	83,20		88.524,80
Spc0010		11	532,00	10,40		60.860,80
Spc0010	PANTALLAS EN VOLADIZO	33	6,00	51,20		10.137,60
Spc0010		15	5,00	42,60		3.195,00
						1.568.733,400
680.1000	ud EQUIPO Y MEDIOS AUXILIARES PILOTES HASTA 1200 mm					
Spc0010	MOVILIZACIÓN EQUIPO	4				4,00
						4,000
290.0130	m² REVESTIMIENTO VEGETATIVO DE TALUD CON GEOMALLA TRIDIMENSIONAL DE MONOFILAMENTOS SINTÉTICOS TERMOSOLDADOS, DE 20 A 22 mm DE ESPES					
Spc0010	MURO VERDE	2	1.020,00		4,50	9.180,00
						9.180,000
671.0040	m PILOTE DE DIÁMETRO DESDE 650 HASTA 850 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD					
Spc0010	MARQUESINA	133	4,50			598,50
Spc0010	PANTALLAS EN VOLADIZO	49	4,00			196,00
						794,500
671.0050	m PILOTE DE DIÁMETRO DE 1000 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD					
Spc0010	CUBRICIÓN	266	7,00			1.862,00
						1.862,000

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ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
08.03	INTEGRACIÓN AMBIENTAL					
08.03.01	DESMONTE					
801.0060	m³ EXTENSIÓN DE TIERRA VEGETAL DE LA PROPIA OBRA EN TALUDES					
Spc0010	Calzadas principales	4.989	0,30			1.496,70
Spc0010	Calzadas laterales	7.557,1	0,30			2.267,13
Spc0010	Enlace CV-35	6.181,7	0,30			1.854,51
Spc0010	Caminos	2.262,4	0,30			678,72
						6.297,060
801.0070	m² HIDROSIEMBRA CON MEZCLA DE SEMILLAS HERBÁCEAS					
Spc0010	Calzadas principales	4.989				4.989,00
Spc0010	Calzadas laterales	7.557,1				7.557,10
Spc0010	Enlace CV-35	6.181,7				6.181,70
Spc0010	Caminos	2.262,4				2.262,40
Spc0010	eje 20: 0+478 al 0+559	81				81,00
Spc0010	eje 18: 0+835 al 0+889	54				54,00
						21.125,200
801.0260	ud PLANTACIÓN DE PISTACIA LENTISCUS (LENTISCO, ENTINA O MATA CHARNECA)					
Spc0010	Calzadas principales	4.989	0,16	0,20		159,65
Spc0010	Calzadas laterales	7.557,1	0,16	0,20		241,83
Spc0010	Enlace CV-35	6.181,7	0,16	0,20		197,81
Spc0010	Caminos	2.262,4	0,16	0,20		72,40
Spc0010	REDONDEO	1			0,31	0,31
						672,000
801.0458_N	ud PLANTACIÓN DE RETAMA MONOSPERMA (RETAMA BLANCA)					
Spc0010						
Spc0010	Calzadas principales	4.989	0,160	0,200		159,648
Spc0010	Calzadas laterales	7.557,1	0,160	0,200		241,827
Spc0010	Enlace CV-35	6.181,7	0,160	0,200		197,814
Spc0010	Caminos	2.262,4	0,160	0,200		72,397
Spc0010	REDONDEO	1			0,314	0,314
						672,000
801.0461_N	ud PLANTACIÓN DE SPARTIUM JUNCEUM (RETAMA)					
Spc0010	Calzadas principales	4.989	0,160	0,200		159,648
Spc0010	Calzadas laterales	7.557,1	0,160	0,200		241,827
Spc0010	Enlace CV-35	6.181,7	0,160	0,200		197,814
Spc0010	Caminos	2.262,4	0,160	0,200		72,397
Spc0010	REDONDEO	1			0,314	0,314
						672,000
801.0462_N	ud PLANTACIÓN DE RHAMNUS LYCIOIDES (ESPIÑO NEGRO)					
Spc0010	Calzadas principales	4.989	0,160	0,100		79,824
Spc0010	Calzadas laterales	7.557,1	0,160	0,100		120,914
Spc0010	Enlace CV-35	6.181,7	0,160	0,100		98,907
Spc0010	Caminos	2.262,4	0,160	0,100		36,198
Spc0010	REDONDEO	1			0,157	0,157
						336,000
801.0459_N	ud PLANTACIÓN DE ANTHYLLIS CYTISOIDES (ALBAIDA)					
Spc0010	Calzadas principales	4.989	0,160	0,100		79,824
Spc0010	Calzadas laterales	7.557,1	0,160	0,100		120,914
Spc0010	Enlace CV-35	6.181,7	0,160	0,100		98,907
Spc0010	Caminos	2.262,4	0,160	0,100		36,198
Spc0010	REDONDEO	1			0,157	0,157
						336,000
801.0190_N	ud PLANTACIÓN DE GENISTA SCORPIUS					
Spc0010	Calzadas principales	4.989	0,16	0,20		159,65
Spc0010	Calzadas laterales	7.557,1	0,16	0,20		241,83
Spc0010	Enlace CV-35	6.181,7	0,16	0,20		197,81
Spc0010	Caminos	2.262,4	0,16	0,20		72,40
Spc0010	REDONDEO	1			0,31	0,31
						672,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
801.0050	m³ EXTENSIÓN DE TIERRA VEGETAL DE LA PROPIA OBRA EN SUPERFICIES HORIZONTALES					
Spc0010		360	0,50		180,00	
Spc0010		680	0,50		340,00	
Spc0010		100	0,50		50,00	
Spc0010		120	0,50		60,00	
Spc0010		140	0,50		70,00	
						700,000
801.0320	ud PLANTACIÓN DE CUPRESSUS SEMPERVIRENS (CIPRÉS COMÚN O CIPRÉS MEDITERRÁNEO)					
Spc0010		360	0,16	0,20	11,52	
Spc0010		680	0,16	0,20	21,76	
Spc0010		100	0,16	0,20	3,20	
Spc0010		120	0,16	0,20	3,84	
Spc0010		140	0,16	0,20	4,48	
Spc0010	redondeo	0,2			0,20	
						45,000
801.0330	ud PLANTACIÓN DE PINUS HALEPENSIS (PINO CARRASCO, PINCARRASCO, PINO DE ALEPO O PINO DE JERUSALÉN)					
Spc0010		360	0,16	0,40	23,04	
Spc0010		680	0,16	0,40	43,52	
Spc0010		100	0,16	0,40	6,40	
Spc0010		120	0,16	0,40	7,68	
Spc0010		140	0,16	0,40	8,96	
Spc0010	redondeo	0,4	1,00	1,00	0,40	
						90,000
801.0460_N	ud PLANTACIÓN DE LAVANDULA DENTATA (LAVANDA)					
Spc0010		360	1,000	0,500	180,000	
Spc0010		680	1,000	0,500	340,000	
Spc0010		100	1,000	0,500	50,000	
Spc0010		120	1,000	0,500	60,000	
Spc0010		140	1,000	0,500	70,000	
						700,000
801.0467_N	ud PLANTACIÓN DE ROSMARINUS OFFICINALIS POSTRATUS (ROMERO RASTRERO)					
Spc0010		360	1,000	0,500	180,000	
Spc0010		680	1,000	0,500	340,000	
Spc0010		100	1,000	0,500	50,000	
Spc0010		120	1,000	0,500	60,000	
Spc0010		140	1,000	0,500	70,000	
Spc0010	redondeo	1			1,000	
						701,000
801.0320_N	ud PLANTACIÓN DE CUPRESSUS ARIZONICA de 100/125 cm					
Spc0010		360	0,160	0,200	11,520	
Spc0010		680	0,160	0,200	21,760	
Spc0010		100	0,160	0,200	3,200	
Spc0010		120	0,160	0,200	3,840	
Spc0010		140	0,160	0,200	4,480	
Spc0010	redondeo	0,2			0,200	
						45,000
801.0474_N	ud PLANTACIÓN DE SANTOLINA CHAMAECYPARISSUS (SANTOLINA)					
Spc0010		360	0,660	0,500	118,800	
Spc0010		680	0,660	0,500	224,400	
Spc0010		100	0,660	0,500	33,000	
Spc0010		120	0,660	0,500	39,600	
Spc0010		140	0,660	0,500	46,200	
						462,000
801.0484_N	ud PLANTACIÓN DE NERIUM OLEANDER (ADELFA)					
Spc0010		360	0,660	0,500	118,800	
Spc0010		680	0,660	0,500	224,400	
Spc0010		100	0,660	0,500	33,000	
Spc0010		120	0,660	0,500	39,600	
Spc0010		140	0,660	0,500	46,200	
						462,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
08.03.02	TERRAPLEN					
801.0060	m³ EXTENSIÓN DE TIERRA VEGETAL DE LA PROPIA OBRA EN TALUDES					
Spc0010	Calzadas principales	2.402,1	0,30		720,63	
Spc0010	Calzadas laterales	11.514,2	0,30		3.454,26	
Spc0010	Enlace CV-35	4.089,2	0,30		1.226,76	
Spc0010	Caminos	9.641	0,30		2.892,30	
						8.293,950
801.0070	m² HIDROSIEMBRA CON MEZCLA DE SEMILLAS HERBÁCEAS					
Spc0010	Calzadas principales	2.402,1	1,00	1,00	2.402,10	
Spc0010	Calzadas laterales	11.514,2	1,00	1,00	11.514,20	
Spc0010	Enlace CV-35	4.089,2	1,00	1,00	4.089,20	
Spc0010	Caminos	9.641	1,00	1,00	9.641,00	
						27.646,500
801.0260	ud PLANTACIÓN DE PISTACIA LENTISCUS (LENTISCO, ENTINA O MATA CHARNECA)					
Spc0010	Calzadas principales	2.402,1	0,16	0,20	76,87	
Spc0010	Calzadas laterales	11.514,2	0,16	0,20	368,45	
Spc0010	Enlace CV-35	4.089,2	0,16	0,20	130,85	
Spc0010	Caminos	9.641	0,16	0,20	308,51	
Spc0010	redondeo	1	0,32		0,32	
						885,000
801.0458_N	ud PLANTACIÓN DE RETAMA MONOSPERMA (RETAMA BLANCA)					
Spc0010	Calzadas principales	2.402,1	0,160	0,200	76,867	
Spc0010	Calzadas laterales	11.514,2	0,160	0,200	368,454	
Spc0010	Enlace CV-35	4.089,2	0,160	0,200	130,854	
Spc0010	Caminos	9.641	0,160	0,200	308,512	
Spc0010	redondeo	1	0,313		0,313	
						885,000
801.0461_N	ud PLANTACIÓN DE SPARTIUM JUNCEUM (RETAMA)					
Spc0010	Calzadas principales	2.402,1	0,160	0,200	76,867	
Spc0010	Calzadas laterales	11.514,2	0,160	0,200	368,454	
Spc0010	Enlace CV-35	4.089,2	0,160	0,200	130,854	
Spc0010	Caminos	9.641	0,160	0,200	308,512	
Spc0010	redondeo	1	0,313		0,313	
						885,000
801.0462_N	ud PLANTACIÓN DE RHAMNUS LYCIOIDES (ESPIÑO NEGRO)					
Spc0010	Calzadas principales	2.402,1	0,160	0,100	38,434	
Spc0010	Calzadas laterales	11.514,2	0,160	0,100	184,227	
Spc0010	Enlace CV-35	4.089,2	0,160	0,100	65,427	
Spc0010	Caminos	9.641	0,160	0,100	154,256	
Spc0010	redondeo	1		0,656	0,656	
						443,000
801.0190_N	ud PLANTACIÓN DE GENISTA SCORPIUS					
Spc0010	Calzadas principales	2.402,1	0,16	0,20	76,87	
Spc0010	Calzadas laterales	11.514,2	0,16	0,20	368,45	
Spc0010	Enlace CV-35	4.089,2	0,16	0,20	130,85	
Spc0010	Caminos	9.641	0,16	0,20	308,51	
Spc0010	redondeo	1	0,32		0,32	
						885,000
801.0459_N	ud PLANTACIÓN DE ANTHYLLIS CYTISOIDES (ALBAIDA)					
Spc0010	Calzadas principales	2.402,1	0,160	0,100	38,434	
Spc0010	Calzadas laterales	11.514,2	0,160	0,100	184,227	
Spc0010	Enlace CV-35	4.089,2	0,160	0,100	65,427	
Spc0010	Caminos	9.641	0,160	0,100	154,256	
Spc0010	Redondeo	1	0,656		0,656	
						443,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
08.03.03INSTALACIONES AUXILIARES						
801.0030	m	JALONAMIENTO TEMPORAL CON SOPORTES ANGULARES METÁLICOS				
Spc0010	1	1	760,0000			760,0000
Spc0010	1	1	575,0000			575,0000
Spc0010	1	1	812,0000			812,0000
						2.147,000
330.0010	m³	TIERRA VEGETAL PROCEDENTE DE PRÉSTAMO				
Spc0010		39.600	0,30			11.880,00
Spc0010		16.990	0,30			5.097,00
Spc0010	1	893	0,30			267,90
						17.244,900
801.0230	ud	PLANTACIÓN DE THYMUS VULGARIS (TOMILLO)				
Spc0010		39.600	0,25	0,20		1.980,00
Spc0010		16.990	0,25	0,20		849,50
Spc0010	1	893				893,00
Spc0010	redondeo	0,5				0,50
						3.723,000
801.0260	ud	PLANTACIÓN DE PISTACIA LENTISCUS (LENTISCO, ENTINA O MATA CHARNECA)				
Spc0010		39.600	0,25	0,20		1.980,00
Spc0010		16.990	0,25	0,20		849,50
Spc0010		893				893,00
Spc0010		0,5				0,50
						3.723,000
801.0462_N	ud	PLANTACIÓN DE RHAMNUS LYCIOIDES (ESPIÑO NEGRO)				
Spc0010		39.600	0,250	0,200		1.980,000
Spc0010		16.990	0,250	0,200		849,500
Spc0010		893				893,000
Spc0010		0,5				0,500
						3.723,000
801.0472_N	ud	PLANTACIÓN DE ERICA MULTIFLORA (BREZO)				
Spc0010		39.600	0,250	0,100		990,000
Spc0010		16.990	0,250	0,100		424,750
Spc0010	1	893				893,000
Spc0010		0,25				0,250
						2.308,000
801.0330	ud	PLANTACIÓN DE PINUS HALEPENSIS (PINO CARRASCO, PINCARRASCO, PINO DE ALEPO O PINO DE JERUSALÉN)				
Spc0010		39.600	0,03	0,60		712,80
Spc0010		16.990	0,03	0,60		305,82
Spc0010	1	893				893,00
Spc0010		0,38				0,38
						1.912,000
801.0467_N	ud	PLANTACIÓN DE ROSMARINUS OFFICINALIS POSTRATUS (ROMERO RASTRERO)				
Spc0010		39.600	0,250	0,100		990,000
Spc0010		16.990	0,250	0,100		424,750
Spc0010	1	893				893,000
Spc0010		0,25				0,250
						2.308,000
801.0330_N	ud	PLANTACIÓN DE CERATONIA SILIQUA (Algarrobo)				
Spc0010		39.600	0,031	0,200		245,520
Spc0010		16.990	0,031	0,200		105,338
Spc0010	1	893				893,000
Spc0010		0,142				0,142
						1.244,000
801.0360	ud	PLANTACIÓN DE OLEA EUROPAEA (OLIVO O ACEITUNO)				
Spc0010		39.600	0,03	0,20		237,60
Spc0010		16.990	0,03	0,20		101,94
Spc0010		0,46				0,46
						340,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
801.0463_N	ud	PLANTACIÓN DE OLEA SYLVESTRIS DE 30/40 CT				
Spc0010		39.600	0,250	0,200		1.980,000
Spc0010		16.990	0,250	0,200		849,500
Spc0010	1	893				893,000
Spc0010		0,5				0,500
						3.723,000
08.03.04BARRANCO TRAVESSAT						
330.0010	m³	TIERRA VEGETAL PROCEDENTE DE PRÉSTAMO				
Spc0010		9.500	0,30			2.850,00
Spc0010	Descontar de la propia obra	-1	710,40			-710,40
						2.139,600
801.0466_N	ud	PLANTACIÓN DE TAMARIX CANARIENSIS (TARAY)				
Spc0010		9.500	0,250	0,400	0,400	380,000
Spc0010	redondeo	1				1,000
						381,000
801.0471_N	ud	PLANTACIÓN DE CRATAEGUS MONOGYNA (MAJUELO)				
Spc0010		9.500	0,250	0,100	0,400	95,000
Spc0010	redondeo	1				1,000
						96,000
801.0484_N	ud	PLANTACIÓN DE NERIUM OLEANDER (ADELFA)				
Spc0010		9.500	0,250	0,500	0,400	475,000
Spc0010	redondeo	1				1,000
						476,000
300.0010	m²	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS				
Spc0010	RODALES DE CONTROL DE ARUNDO DONAX	2.000				2.000,00
Spc0010						
						2.000,000
320.0020	m³	EXCAVACIÓN EN DESMONTE EN TIERRA CON MEDIOS MECÁNICOS SIN EXPLOSIVOS				
Spc0010	RODALES DE ELIMINACIÓN DE ARUNDO DONAX	2.000	1,00	0,50		1.000,00
						1.000,000
801.0330	ud	PLANTACIÓN DE PINUS HALEPENSIS (PINO CARRASCO, PINCARRASCO, PINO DE ALEPO O PINO DE JERUSALÉN)				
Spc0010		9.500	0,02	1,00		190,00
						190,000
801.0482N	t	GESTIÓN DE RESIDUOS DE ARUNDO DONAX				
Spc0010	Rodales de eliminación de Arundo donax. Rizoma	2.000	0,7000	0,4000	0,4500	252,0000
Spc0010	Rodales de eliminación de Arundo donax. Parte aérea	2.000	1,0000	0,1500	0,1500	45,0000
						297,000
801.0050	m³	EXTENSIÓN DE TIERRA VEGETAL DE LA PROPIA OBRA EN SUPERFICIES HORIZONTALES				
Spc0010		1	710,40			710,40
						710,400
08.03.05ZONAS LIBRES ENTRE ENLACES						
801.0050	m³	EXTENSIÓN DE TIERRA VEGETAL DE LA PROPIA OBRA EN SUPERFICIES HORIZONTALES				
Spc0010		21.513	0,30			6.453,90
						6.453,900
801.0260	ud	PLANTACIÓN DE PISTACIA LENTISCUS (LENTISCO, ENTINA O MATA CHARNECA)				
Spc0010		21.513	0,25	0,20	0,70	752,96
Spc0010		1	0,04			0,04
						753,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
801.0462_N	ud PLANTACIÓN DE RHAMNUS LYCIOIDES (ESPINO NEGRO)					
Spc0010		21.513	0,250	0,200	0,700	752,955
Spc0010		1	0,045			0,045
						753,000
801.0463_N	ud PLANTACIÓN DE OLEA SYLVESTRIS DE 30/40 CT					
Spc0010		21.513	0,250	0,100	0,700	376,478
Spc0010		1	0,522			0,522
						377,000
801.0472_N	ud PLANTACIÓN DE ERICA MULTIFLORA (BREZO)					
Spc0010		21.513	0,250	0,200	0,700	752,955
Spc0010		1	0,045			0,045
						753,000
801.0330_N	ud PLANTACIÓN DE CERATONIA SILIQUA (Algarrobo)					
Spc0010		21.513	0,050	0,200	0,700	150,591
Spc0010		1	0,409			0,409
						151,000
801.0330	ud PLANTACIÓN DE PINUS HALEPENSIS (PINO CARRASCO, PINCARRASCO, PINO DE ALEPO O PINO DE JERUSALÉN)					
Spc0010		21.513	0,05	0,60	0,70	451,77
Spc0010		1	0,23			0,23
						452,000
801.0360	ud PLANTACIÓN DE OLEA EUROPAEA (OLIVO O ACEITUNO)					
Spc0010		21.513	0,05	0,20	0,70	150,59
Spc0010	Redondeo	1	0,41			0,41
						151,000
801.0473_N	ud PLANTACIÓN DE CHAMAEROPS HUMILIS (PALMITO)					
Spc0010	Glorietas	21.513	0,250	0,250		1.344,563
Spc0010	redondeo	1	0,437			0,437
						1.345,000
801.0260_N	ud PLANTACIÓN DE QUERCUS COCCIFERA 40/60 cm ct					
Spc0010		21.513	0,250	0,200	0,700	752,955
Spc0010	reedondeo	1	0,045			0,045
						753,000

08.03.06	ESTRUCTURAS ADAPTADAS PARA FAUNA					
801.0050	m³ EXTENSIÓN DE TIERRA VEGETAL DE LA PROPIA OBRA EN SUPERFICIES HORIZONTALES					
Spc0010		800,00	0,30		240,00	
						240,000
801.0484_N	ud PLANTACIÓN DE NERIUM OLEANDER (ADELFA)					
Spc0010		4	200,000	0,250	0,600	120,000
						120,000
801.0260	ud PLANTACIÓN DE PISTACIA LENTISCUS (LENTISCO, ENTINA O MATA CHARNECA)					
Spc0010		4	200,00	0,25	0,40	80,00
Spc0010						80,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
08.03.07	ZONA ENTRE PLATAFORMA VIARIA					
801.0330	ud PLANTACIÓN DE PINUS HALEPENSIS (PINO CARRASCO, PINCARRASCO, PINO DE ALEPO O PINO DE JERUSALÉN)					
Spc0010		5.500	0,04	1,00		220,00
						220,000
330.0010	m³ TIERRA VEGETAL PROCEDENTE DE PRÉSTAMO					
Spc0010		5.500	0,30			1.650,00
Spc0010						1.650,000
08.03.08	MURO VERDE PANTALLA					
801.0050	m³ EXTENSIÓN DE TIERRA VEGETAL DE LA PROPIA OBRA EN SUPERFICIES HORIZONTALES					
Spc0010		1	596,00	0,30	3,00	536,40
						536,400
801.0300_N	ud PLANTACIÓN DE HEDERA HELIX					
Spc0010		1	596,00	2,00	3,00	3.576,00
						3.576,000
08.03.09	RIEGO VEGETACION					
801.0380	ud RIEGO DE ARBUSTOS					
Spc0010		2.880				2.880,00
Spc0010		2.806,01				2.806,01
Spc0010		19.508				19.508,00
Spc0010		953				953,00
Spc0010		2.983				2.983,00
Spc0010		250				250,00
Spc0010		2.325				2.325,00
Spc0010		13.320				13.320,00
						45.025,010
801.0370	ud RIEGO DE ÁRBOLES					
Spc0010						
Spc0010		3.496				3.496,00
Spc0010		219				219,00
Spc0010		443				443,00
Spc0010						
Spc0010		180				180,00
Spc0010		220				220,00
Spc0010		12				12,00
						4.570,000

08.03.10	GLORIETA					
801.0050	m³ EXTENSIÓN DE TIERRA VEGETAL DE LA PROPIA OBRA EN SUPERFICIES HORIZONTALES					
Spc0010		1	1.195,00	0,30		358,50
Spc0010						358,500
801.0360	ud PLANTACIÓN DE OLEA EUROPAEA (OLIVO O ACEITUNO)					
Spc0010		12				12,00
						12,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
08.03.11	MOBILIARIO EXISTENTE					
915.0030_N	ud	RETIRADA, ALMACENAMIENTO Y RECOLOCACIÓN ELEMENTO DECORATIVO				
Spc0010	Rebaño cabras metálicas	22				22,00
						22,000
08.04	PROTECCIÓN PATRIMONIO CULTURAL					
801.0030	m	JALONAMIENTO TEMPORAL CON SOPORTES ANGULARES METÁLICOS				
Spc0010	Elementos patrimoniales	1	400,0000			400,0000
						400,000
701.0040	ud	SEÑAL TRIANGULAR DE 135 cm DE LADO Y RETRORREFLECTANCIA DE CLASE RA2				
Spc0010	SEÑAL DE PASO DE GANADO EN CRUCE CON VÍA PECUARIA	2	1,00	1,00	1,00	2,00
						2,000
801.0390_N	ud	Prospección arqueológica intensiva entorno yacimientos arqueológicos				
Spc0010	Mas de la Rosa	1				1,000
						1,000
801.0390	Ha	PROSPECCION ARQUEOLÓGICA				
Spc0010	Seguimiento arqueológico superficial		30,00	4,00	9,00	1.080,00
						1.080,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
09	SISTEMA INTELIGENTE DE TRANSPORTE					
09.01	CANALIZACIÓN RED ITS					
321.0010	m³	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO				
Spc0010	ZANJA ITS	1,05	6.874,00	0,45	0,90	2.923,17
						2.923,170
610.0020	m³	HORMIGÓN C20/25				
Spc0010	ZANJA ITS	1,05	6.874,00	0,45	0,65	2.111,18
Spc0010	Canalización puente	2,1	140,00	0,50	0,50	73,50
						2.184,680
1105.0118	m	SUMINISTRO Y MONTAJE DE CINTA SEÑALIZADORA DE CABLEADO ELÉCTRICO				
Spc0010	ZANJA ITS	1,05	6.874,00			7.217,70
						7.217,700
980.3091_N	m	TUBO PVC DE 110 MM DE DIÁMETRO				
Spc0010	ZANJA	4	6.874,00			27.496,00
						27.496,000
980.3092_N	m	TUBO PEAD TRITUBO 50 MM				
Spc0010		1,05	6.874,00			7.217,70
						7.217,700
901.1003_N	ud	ARQUETA DE PASO RED ITS				
Spc0010		16				16,00
						16,000
542.0010	t	MBC TIPO AC16 SURF S, EXCEPTO BETÚN Y POLVO MINERAL				
Spc0010	CANALIZACIÓN ITS	2,64	6.874,00	0,45	0,25	2.041,58
						2.041,580

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
10	OBRAS COMPLEMENTARIAS					
915.0010	m	CERRAMIENTO COMPUESTO POR POSTES METÁLICOS Y MALLA DE ACERO GALVANIZADO SIMPLE TORSIÓN				
Spc0010	Vallado	1	6.455,0000		6.455,0000	
						6.455,000
915.0025	ud	PUERTA DE DOS HOJAS, FORMADA POR PERFILES DE ACERO GALVANIZADO Y MALLA DE TRIPLE TORSIÓN				
Spc0010	Puertas	2			2,00	
						2,000
915.0030	ud	HITO DE EXPROPIACIÓN LISO PREFABRICADO DE HORMIGÓN BASE 20x20 Y ALTURA 1,15 m				
Spc0010	Expropiación (Hitos)	500			500,00	
						500,000
703.0110_N	ud	ESTACION DE AFORO PARA TRES CARRILES, FORMADO POR CAPTADORES DE BUCLE DE INDUCCION MAGNETICA DE CABLE DE COBRE Y CUBIERTA DE PRO				
Spc0010		4			4,0000	
						4,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
11	REPOSICIÓN DE SERVIDUMBRES Y SERVICIOS					
11.02	E-REDES					
11.02.01	ERED-B.01					
910.0125_N	ud	LOCALIZACION REDES EXISTENTES				
Spc0010	ERED-B.01		3		3,00	
						3,000
321.0010	m³	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO				
Spc0010	ERED-B.01	1,05	35,00	1,50	0,50	27,56
Spc0010	ERED-B.01	1,05	20,00	1,50	0,50	15,75
Spc0010	ERED-B.01	1,05	20,00	1,50	0,50	15,75
						59,060
680.0030	m²	ENCOFRADO VISTO PLANO				
Spc0010	ERED-B.01	2	35,00		0,30	21,00
Spc0010	ERED-B.01	4	20,00		0,30	24,00
Spc0010	ERED-B.01	6	1,00		0,30	1,80
						46,800
600.0010	kg	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS				
Spc0010	ERED-B.01		20,00	70,00		1.400,00
						1.400,000
610.0050	m³	HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS				
Spc0010	ERED-B.01	1,05	35,00	1,00	0,25	9,19
Spc0010	ERED-B.01	1,05	20,00	1,00	0,25	5,25
Spc0010	ERED-B.01	1,05	20,00	1,00	0,25	5,25
						19,690
332.0040	m³	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA				
Spc0010	ERED-B.01	1,05	35,00	1,50	0,30	16,54
Spc0010	ERED-B.01	1,05	20,00	1,50	0,30	9,45
Spc0010	ERED-B.01	1,05	20,00	1,50	0,30	9,45
						35,440
11.02.02	ERED-B.02					
910.0125_N	ud	LOCALIZACION REDES EXISTENTES				
Spc0010	ERED-B.02		1		1,00	
						1,000
321.0010	m³	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO				
Spc0010	ERED-B.02	1,05	35,00	1,50	0,50	27,56
						27,560
680.0030	m²	ENCOFRADO VISTO PLANO				
Spc0010	ERED-B.02	2	35,00	0,30		21,00
Spc0010	ERED-B.02	2	1,00	0,30		0,60
						21,600
600.0010	kg	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS				
Spc0010	ERED-B.02		10,00	70,00		700,00
						700,000
610.0050	m³	HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS				
Spc0010	ERED-B.02	1,05	35,00	1,00	0,25	9,19
						9,190

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
332.0040	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA					
Spc0010	ERED-B.02	1,05	35,00	1,50	0,30	16,54
						16,540
11.02.03	ERED-B.03					
910.0125_N	ud LOCALIZACION REDES EXISTENTES					
Spc0010	ERED-B.03	1				1,00
						1,000
920.0075_N	m DESMONTAJE CANALIZACIÓN					
Spc0010	Canalización desmontada	1,05	82,00			86,10
						86,100
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO					
Spc0010	Zanja 2 circuitos calzada	1,1	82,00	0,52	1,10	51,59
						51,590
551.0010	m3 HORMIGÓN MAGRO EN BASE DE FIRME					
Spc0010	Zanja 2 circuitos calzada	1,1	82,0000	0,5200	0,3000	14,0712
						14,071
332.0040	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA					
Spc0010	Zanja 2 circuitos calzada	1,1	82,00	0,52	0,40	18,76
						18,760
804.0010	m³ HORMIGÓN C12/C15 EN REGULARIZACIÓN, LIMPIEZA Y RELLENOS EN TÚNELES Y OBRAS SUBTERRÁNEAS					
Spc0010	Zanja 2 circuitos calzada	1,1	82,00	0,52	0,30	14,07
						14,070
541.0080	t MEZCLA BITUMINOSA EN FRÍO, TIPO AF25, CON ÁRIDO ESPECIAL PARA RODADURA, EXCEPTO LIGANTE					
Spc0010	Zanja 2 circuitos calzada (2,64 densidad)	2,64	82,00	0,52	0,10	11,26
						11,260
1105.0118	m SUMINISTRO Y MONTAJE DE CINTA SEÑALIZADORA DE CABLEADO ELÉCTRICO					
Spc0010	Zanja 2 circuitos calzada	1,1	82,00			90,20
						90,200
1105.0113_N						
Spc0010	Zanja 2 circuitos calzada	2	82,00			164,00
						164,000
980.3092_N	m TUBO PEAD TRITUBO 50 MM					
Spc0010	Zanja 2 circuitos	1	82,00			82,00
						82,000
1105.0043	m SUMINISTRO Y MONTAJE DE CABLE RZ1-K(AS) 0,6/1 KV. SECCIÓN 1X240 MM2					
Spc0010	Zanja 2 circuitos calzada	2,2	82,00			180,40
						180,400
920.0220_N	ud LEGALIZACIÓN, PROYECTO Y LICENCIAS LINEA DE ALTA TENSIÓN.					
Spc0010	ERED-B.03	1				1,00
						1,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
11.02.04	ERED-B.04					
910.0125_N	ud LOCALIZACION REDES EXISTENTES					
Spc0010	ERED-B.04	1				1,00
						1,000
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO					
Spc0010	ERED-B.04	1,05	20,00	1,50	0,50	15,75
						15,750
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010	ERED-B.02	2	20,00	0,30		12,00
Spc0010		2	1,00	0,30		0,60
						12,600
610.0050	m³ HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	ERED-B.02	1,05	20,00	1,00	0,25	5,25
						5,250
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	ERED-B.02		5,00	60,00		300,00
						300,000
332.0040	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA					
Spc0010	ERED-B.02	1,05	20,00	1,50	0,30	9,45
						9,450
11.03	TELEFÓNICA					
11.03.01	TEL-B.01					
910.0125_N	ud LOCALIZACION REDES EXISTENTES					
Spc0010	TEL-B.01	1				1,00
						1,000
930.1001_N	m DESMONTAJE CANALIZACIÓN FIBRA ÓPTICA					
Spc0010	TEL-B.01	1,05	487,00			511,35
						511,350
930.1005_N	ud DEMOLICIÓN DE ARQUETAS					
Spc0010	TEL-B.01	1				1,00
						1,000
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO					
Spc0010	Canalización comunicaciones	1,05	475,00	0,45	1,30	291,77
						291,770
610.0020	m³ HORMIGÓN C20/25					
Spc0010	Canalización comuunicaciones	1,05	475,00	0,45	0,70	157,11
						157,110
332.0040	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA					
Spc0010	Canalización comunicaciones	1,05	475,00	0,45	0,60	134,66
						134,660
417.0020_N	m TUBO DE PVC DE DIÁMETRO 110 MM					
Spc0010		6	475,00			2.850,00
						2.850,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
910.1095_N Spc0010	ud ARQUETA TELEFÓNICA PREFABRICADA TIPO D-II CON TAPA TEL-B.01	1				1,00 1,000
920.1002_N Spc0010	m CABLE DE TELEFONÍA TEL-B.01	6	475,00			2.850,00 2.850,000
110.1095_N	ud REDUCCIÓN 50% TEL-B.01					1,000
11.03.02	TEL-B.02					
910.0125_N Spc0010	ud LOCALIZACION REDES EXISTENTES TEL-B.02	1				1,00 1,000
930.1001_N Spc0010	m DESMONTAJE CANALIZACIÓN FIBRA ÓPTICA Tramo 1	1,05	410,00			430,50 430,500
930.1005_N Spc0010	ud DEMOLICIÓN DE ARQUETAS TEL-B.02	1				1,00 1,000
321.0010 Spc0010 Spc0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO Canalización comunicaciones 1 Canalización puente	1,05 1,05	170,00 193,00	0,45 0,45	1,30 0,60	104,42 54,72 159,140
610.0020 Spc0010 Spc0010	m³ HORMIGÓN C20/25 Canalización comunicaciones 1 Canalización puente	1,05 1,05	170,00 193,00	0,45 1,01	0,70 0,55	56,23 112,57 168,800
332.0040 Spc0010	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA Canalización comunicaciones 1	1,05	170,00	0,45	0,60	48,20 48,200
417.0020_N Spc0010 Spc0010	m TUBO DE PVC DE DIÁMETRO 110 MM Canalización comunicaciones 1 Canalización comunicaciones 2	6 12	170,00 193,00			1.020,00 2.316,00 3.336,000
910.1095_N Spc0010	ud ARQUETA TELEFÓNICA PREFABRICADA TIPO D-II CON TAPA TEL-B.01	2				2,00 2,000
920.1002_N Spc0010 Spc0010	m CABLE DE TELEFONÍA Canalización comunicaciones 1 Canalización puente	6 12	170,00 193,00			1.020,00 2.316,00 3.336,000
110.1096_N	ud REDUCCIÓN 50% TEL-B.02					1,000

MEDICIONES

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ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
11.03.03	TEL-B.03					
910.0125_N Spc0010	ud LOCALIZACION REDES EXISTENTES TEL-03	1				1,00 1,000
321.0010 Spc0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO TEL-03	1,05	20,00	1,50	0,60	18,90 18,900
680.0030 Spc0010 Spc0010	m² ENCOFRADO VISTO PLANO TEL-03	2 1	20,00 0,75	0,20 0,20		8,00 0,15 8,150
600.0010 Spc0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS TEL-03	1,05	3,15	70,00		231,53 231,530
610.0050 Spc0010	m³ HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS TEL-03	1,05	20,00	0,75	0,20	3,15 3,150
332.0040 Spc0010	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA TEL-03	1,05	20,00	1,50	0,40	12,60 12,600
110.1097_N	ud REDUCCIÓN 50% TEL-B.03					1,000
11.04	RED PANEUROPEA					
11.04.01	PAN-B.01					
910.0125_N Spc0010	ud LOCALIZACION REDES EXISTENTES PAN-B.01	1				1,00 1,000
930.1001_N Spc0010	m DESMONTAJE CANALIZACIÓN FIBRA ÓPTICA Spc0010	1,05	1.700,00			1.785,00 1.785,000
930.1005_N Spc0010	ud DEMOLICIÓN DE ARQUETAS Spc0010	6				6,00 6,000
01.04.01.01 Spc0010	m CANALIZACIÓN EN TIERRA (1,00 x 0,35). SECCIÓN TIPO STD-P12 Canalización P12	1,05	151,00			158,55 158,550
01.04.01.05 Spc0010	m CANALIZACIÓN EN TIERRA (1,00 x 0,35). SECCIÓN TIPO STD-P11 Spc0010	1,05	814,00			854,70 854,700
01.04.01.06 Spc0010	m CANALIZACIÓN EN TIERRA (1,00 x 0,35). SECCIÓN TIPO STD-P23 Canalización P23	1,05	688,00			722,40 722,400
01.04.01.10 Spc0010 Spc0010 Spc0010	m CABLE DE FIBRA ÓPTICA 144 FO Spc0010 Spc0010 Spc0010	1 1 1	814,00 688,00 151,00			814,00 688,00 151,00 1.653,000

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ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
01.04.13	m CABLE DE FIBRA ÓPTICA 96 FO					
Spc0010		1	814,00			814,00
Spc0010		1	688,00			688,00
Spc0010		1	151,00			151,00
						1.653,000
01.04.01.15	m CABLE DE FIBRA ÓPTICA 128 FO					
Spc0010		2	814,00			1.628,00
Spc0010		2	688,00			1.376,00
Spc0010		2	151,00			302,00
						3.306,000
910.0095_N	ud ARQUETA TELEFÓNICA PREFABRICADA TIPO D-II CON TAPA					
Spc0010	PAN-B.01	6				6,00
						6,000

11.04.02	PAN-B.02					
910.0125_N	ud LOCALIZACION REDES EXISTENTES					
Spc0010	PAN-B.02	2				2,00
						2,000
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO					
Spc0010	PAN-B.02		20,00	1,00	0,50	10,00
Spc0010	PAN-B.02		30,00	1,00	0,50	15,00
						25,000
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010	PAN-B.02	2	20,00		0,30	12,00
Spc0010	PAN-B.02	2	30,00		0,30	18,00
Spc0010	PAN-B.02	4	1,00		0,30	1,20
						31,200
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	PAN-B.02		3,00	60,00		180,00
Spc0010	PAN-B.02		4,00	60,00		240,00
						420,000
610.0050	m³ HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	PAN-B.02		20,00	0,50	0,25	2,50
Spc0010	PAN-B.02		30,00	0,50	0,25	3,75
						6,250
332.0040	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA					
Spc0010	PAN-B.02	1,05	20,00	1,00	0,30	6,30
Spc0010	PAN-B.02	1,05	30,00	1,00	0,30	9,45
						15,750

11.05 EMSHI

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ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
11.05.01	EM-B.01					
910.0125_N	ud LOCALIZACION REDES EXISTENTES					
Spc0010	EM-B.01	1				1,00
						1,000
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO					
Spc0010	Protección	1,05	20,00	4,00	1,00	84,00
						84,000
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010		2	17,00		0,30	10,20
Spc0010		2	3,00		0,30	1,80
						12,000
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	Protección	1,05	13,89	70,00		1.020,92
						1.020,920
610.0050	m³ HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	Protección	1,05	17,00	3,00	0,25	13,39
						13,390
332.0040	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA					
Spc0010	Protección	1,05	20,00	4,00	0,75	63,00
						63,000
11.05.02	EM-B.02					
910.0125_N	ud LOCALIZACION REDES EXISTENTES					
Spc0010		1				1,00
						1,000
940.1020_N	m RETIRADA DE TUBERÍA EXISTENTE					
Spc0010	Desmontaje	1,05	1.779,00			1.867,95
						1.867,950
940.1001_N	ud DEMOLICIÓN ARQUETAS EXISTENTES					
Spc0010	Desmontaje	9				9,00
						9,000
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO					
Spc0010	Canalización	1,05	1.825,00	4,50	4,50	38.804,06
Spc0010	Encamisada	1,05	132,00	6,00	6,00	4.989,60
Spc0010	Arqueta válvula mariposa DN1100	2,2	3,10	2,80	3,60	68,75
Spc0010	Arqueda desagüe+mariposa+venti	2,2	7,30	7,30	5,30	621,36
Spc0010	Arqueta BH	3,3	4,00	2,90	3,60	137,81
Spc0010	Arqueta Ventosa	2,2	2,45	2,30	3,60	44,63
						44.666,210
332.0060N	m³ RELLENO CON GRAVIN O GRAVA 25 MM EN RELLENOS Y ASIENTOS DE TUBERIAS					
Spc0010	Canalización	1,05	1.789,00	4,00	1,35	10.143,63
Spc0010	Encamisada	1,05	58,00	6,00	2,00	730,80
						10.874,430
332.0040	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA					
Spc0010	Canalización	1,05	1.789,00	6,00	3,00	33.812,10
Spc0010	Encamisada	1,05	132,00	6,00	4,50	3.742,20
						37.554,300
EIFN.8fhbbaa	m TUBERÍA ACERO L275, DN1100, CHAPA 14.2MM, JUNTA ABOCARDADA + 2 CORD. SOLDADURA, OBRA NORMAL, NORMAL					
Spc0010	Canalización	1,05	1.825,00			1.916,25
						1.916,250

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ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
950.1176_N	ud DADO DE ANCLAJE CON PIEZA ESPECIAL ACERO PARA CAMBIOS DE DIRECCIÓN DN 1100					
Spc0010	Tubería AC 1100 mm	6			6,00	
						6,000
EIFN.80laaaa_N	m TUBERÍA ACERO L235 PARA ENCAMISAR, DN2500, CHAPA 22MM, JUNTA ABOCARDADA + 1 CORD. SOLDADURA, OBRA NORMAL, NORMAL					
Spc0010	Encamisada 1	1,05	21,00		22,05	
Spc0010	Encamisada 2	1,05	26,00		27,30	
Spc0010	Encamisada 3	1,05	27,00		28,35	
Spc0010	Encamisada 4	1,05	16,00		16,80	
Spc0010	Encamisada 5	1,05	42,00		44,10	
						138,600
950.2002_N	ud TRANSPORTE, IMPLANTACIÓN Y POSTERIOR RETIRADA DE EQUIPO PERFORADOR DE ESCUDO CERRADO PARA HINCA DE TUBERIA HA DE DN 2500 mm					
Spc0010	calzada izquierda	1			1,00	
Spc0010						1,000
950.2001_N	m TUBERÍA HINCADA DN 2500 mm DE HA CON VIROLA METALICA SEGÚN UNE-EN 1916 Y UNE-ENE 127916					
Spc0010	Tramo 1	50	1,05		52,50	
Spc0010	Tramo 2	75	1,05		78,75	
						131,250
804.0010	m³ HORMIGÓN C12/C15 EN REGULARIZACIÓN, LIMPIEZA Y RELLENOS EN TÚNELES Y OBRAS SUBTERRÁNEAS					
Spc0010	Canalización	1,05	1.789,00	3,00	0,05	281,77
Spc0010	Arqueta válvula mariposa DN1100	2,2	3,10	2,80	0,15	2,86
Spc0010	Arqueda desagüe+mariposa+venti	2,2	7,30	7,30	0,15	17,59
Spc0010	Arqueta BH	3,3	4,00	2,90	0,15	5,74
Spc0010	Arqueta Ventosa	2,2	2,45	2,30	0,15	1,86
						309,820
610.0050	m³ HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	Canalización	1,05	1.789,00	3,00	0,05	281,77
Spc0010	Arqueta válvula mariposa DN1100	4	3,10	0,20	3,60	8,93
Spc0010	Arqueta válvula mariposa DN1100	4	0,20	2,80	3,60	8,06
Spc0010	Arqueta válvula mariposa DN1100	2	3,10	2,80	0,20	3,47
Spc0010	Arqueda desagüe+mariposa+venti	4	0,20	7,30	5,30	30,95
Spc0010	Arqueda desagüe+mariposa+venti	4	7,30	0,20	5,30	30,95
Spc0010	Arqueda desagüe+mariposa+venti	2	7,30	7,30	0,20	21,32
Spc0010	Arqueta BH	6	0,20	2,90	3,60	12,53
Spc0010	Arqueta BH	6	4,00	0,20	3,60	17,28
Spc0010	Arqueta BH	3	4,00	2,90	0,20	6,96
Spc0010	Arqueta Ventosa	4	0,20	2,30	3,60	6,62
Spc0010	Arqueta Ventosa	4	2,45	0,20	3,60	7,06
Spc0010	Arqueta Ventosa	2	2,45	2,30	0,20	2,25
						438,150
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	ACERO	1,05	500,00	70,00	36.750,00	
						36.750,000
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010	Arqueta válvula mariposa DN1100	8	3,10		3,60	89,28
Spc0010	Arqueta válvula mariposa DN1100	8		2,80	3,60	80,64
Spc0010	Arqueta válvula mariposa DN1100	8	3,10	2,80		69,44
Spc0010	Arqueda desagüe+mariposa+venti	8		7,30	5,30	309,52
Spc0010	Arqueda desagüe+mariposa+venti	8	7,30		5,30	309,52
Spc0010	Arqueda desagüe+mariposa+venti	8	7,30	7,30		426,32
Spc0010	Arqueta BH	12		2,90	3,60	125,28
Spc0010	Arqueta BH	12	4,00		3,60	172,80
Spc0010	Arqueta BH	12	4,00	2,90		139,20
Spc0010	Arqueta Ventosa	8		2,30	3,60	66,24
Spc0010	Arqueta Ventosa	8	2,45		3,60	70,56
Spc0010	Arqueta Ventosa	8	2,45	2,30		45,08
						1.903,880

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
903.2014_N	kg PINTURA BITUMINOSA					
Spc0010	Arqueta válvula mariposa	4	30,74		122,96	
Spc0010	Arqueta desagüe	2	8,68		17,36	
Spc0010	Arqueta BH+ Vent DN 150	7	8,68		60,76	
						201,080
903.2012_N	m² LOSA PREFABRICADA DE HORMIGÓN EN TAPAS DE ARQUETAS					
Spc0010	Arqueta válvula mariposa DN1100	2	3,10	2,80	17,36	
Spc0010	Arqueda desagüe+mariposa+venti	2	7,30	7,30	106,58	
Spc0010	Arqueta BH	3	4,00	2,90	34,80	
Spc0010	Arqueta Ventosa	2	2,45	2,30	11,27	
						170,010
418.0010	ud PATE DE ACERO REVESTIDO CON POLIPROPILENO					
Spc0010	Arqueta válvula mariposa DN1100	2	10,00		20,00	
Spc0010	Arqueda desagüe+mariposa+venti	2	20,00		40,00	
Spc0010	Arqueta BH	3	10,00		30,00	
Spc0010	Arqueta Ventosa	2	10,00		20,00	
						110,000
950.1166_N	ud CUBETA HORMIGÓN ARMADO					
Spc0010	Arqueta válvula mariposa DN1100	2			2,00	
Spc0010	Arqueda desagüe+mariposa+venti	2			2,00	
Spc0010	Arqueta BH	3			3,00	
Spc0010	Arqueta Ventosa	2			2,00	
Spc0010						9,000
903.2010_N	ud TAPA Y MARCO DE FUNDICIÓN ESPECIAL SEGURIDAD CON PISTON HIDRAULICO DN850 MM					
Spc0010	Arqueta válvula mariposa DN1100	2			2,00	
Spc0010	Arqueda desagüe+mariposa+venti	2			2,00	
Spc0010	Arqueta BH	3			3,00	
Spc0010	Arqueta Ventosa	2			2,00	
						9,000
940.1006_N	ud HITOS DE SEÑALIZACION DE TUBERIAS					
Spc0010		180			180,00	
						180,000
950.1167_N	ud POZO DE REGISTRO PARA BOCA DE HOMBRE O VACIADO DIAMETRO 1000 MM INCLUSO TAPA DN800 TIPO D400					
Spc0010	Arqueta desagüe	3			3,00	
Spc0010	Arqueda desagüe+mariposa+venti	2			2,00	
						5,000
950.1169_N	ud VÁLVULA DE MARIPOSA DN1100					
Spc0010	Arqueta válvula mariposa DN1100	2			2,00	
Spc0010	Arqueda desagüe+mariposa+venti	2			2,00	
						4,000
950.1040_N	ud CONJUNTO DE CALDERERÍA ACERO AL CARBONO DN 1100 MM EN ARQUETA DE VÁLVULA DE MARIPOSA DN 1100					
Spc0010	Arqueta válvula mariposa DN1100	2			2,00	
Spc0010	Arqueda desagüe+mariposa+venti	2			2,00	
						4,000
950.1020_N	ud CONJUNTO DE CALDERERIA ACERO AL CARBONO EN ARQUETA VACIADO					
Spc0010	Arqueda desagüe+mariposa+venti	2			2,00	
						2,000
950.1168_N	ud CONJUNTO DE CALDERERIA PARA VENTOSA TRIFUNCIONAL DN150					
Spc0010	Arqueta Ventosa	2			2,00	
						2,000
950.2068_N	ud CONJUNTO VENTILACIÓN ARQUETA 180M3/H					
Spc0010	Arqueda desagüe+mariposa+venti	2			2,00	
						2,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
950.1161_N	ud CONJUNTO CALDERERIA PARA CONFORMAR BOCA DE HOMBRE DE DN 600 MM					
Spc0010	Arqueda desagüe+mariposa+venti	2			2,00	
Spc0010	Arqueta BH	3			3,00	
						5,000
940.1005_N	ud CONEXION C/TUB. EXISTENTE Ø 1000-1100 EN UN TIEMPO INFERIOR A 48H					
Spc0010	conexiones	4			4,00	
Spc0010						4,000
903.0351_N	m LIMPIEZA TUBERÍAS, DESINFECCIÓN E INSPECCIÓN					
Spc0010		1	1.920,00		1.920,00	
						1.920,000
903.3080_N	ud REDACCIÓN DE PROYECTO E INSPECCIÓN POR PARTE EMPRESA SUMINISTRADORA EM-B.02					
Spc0010		1			1,00	
						1,000

11.05.05 EM-B.03

910.0125_N	ud LOCALIZACION REDES EXISTENTES					
Spc0010	EM-B.03	1			1,00	
						1,000
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO					
Spc0010	Protección	1,05	15,00	4,00	1,00	63,00
						63,000
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010	Protección	2	12,00		0,30	7,20
Spc0010	Protección	2	3,00		0,30	1,80
						9,000
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	Protección	1,05	3,78	70,00		277,83
						277,830
610.0050	m³ HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	Protección	1,05	12,00	3,00	0,25	9,45
						9,450
332.0040	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA					
Spc0010	Protección	1,05	15,00	4,00	0,75	47,25
						47,250

11.06 ACUAMED

11.06.01 AM-B.01

910.0125_N	ud LOCALIZACION REDES EXISTENTES					
Spc0010	EM-B.01	1			1,00	
						1,000
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO					
Spc0010	Protección	1,05	20,00	4,00	1,00	84,00
						84,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010		2	17,00		0,30	10,20
Spc0010		2	3,00		0,30	1,80
						12,000
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	Protección	1,05	13,39	70,00		984,17
						984,170
610.0050	m³ HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	Protección	1,05	17,00	3,00	0,25	13,39
						13,390
332.0040	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA					
Spc0010	Protección	1,05	20,00	4,00	0,75	63,00
						63,000

11.06.02 AM-B.02

910.0125_N	ud LOCALIZACION REDES EXISTENTES					
Spc0010		1			1,00	
						1,000
940.1020_N	m RETIRADA DE TUBERÍA EXISTENTE					
Spc0010	Desmontaje	1,05	1.776,00			1.864,80
						1.864,800
940.1001_N	ud DEMOLICIÓN ARQUETAS EXISTENTES					
Spc0010	Desmontaje	9				9,00
						9,000
321.0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO					
Spc0010	Encamisada	1,05	132,00	6,00	6,00	4.989,60
Spc0010	Canalización	1,05	1.825,00	4,50	4,50	38.804,06
Spc0010	Arqueta válvula mariposa DN1100	2,2	3,10	2,80	3,60	68,75
Spc0010	Arqueda desagüe+mariposa+venti	2,2	7,30	7,30	5,30	621,36
Spc0010	Arqueta BH	3,3	4,00	2,90	3,60	137,81
Spc0010	Arqueta Ventosa	2,2	2,45	2,30	3,60	44,63
						44.666,210
332.0060N	m³ RELLENO CON GRAVIN O GRAVA 25 MM EN RELLENOS Y ASIENTOS DE TUBERIAS					
Spc0010	Canalización	1,05	1.825,00	4,00	1,35	10.347,75
Spc0010	Encamisada	1,05	132,00	6,00	2,00	1.663,20
						12.010,950
332.0040	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA					
Spc0010	Canalización	1,05	1.825,00	6,00	3,00	34.492,50
Spc0010	Encamisada	1,05	132,00	6,00	4,50	3.742,20
						38.234,700
EIFN.7eeaaaa	m TUBERÍA HCC, DN1000, HA, PN10, JUNTA SOLDADA					
Spc0010	Tubería HCC	1,05	1.825,00			1.916,25
						1.916,250
950.1175_N	ud PIEZA ESPECIAL CALDERERIA PARA CAMBIOS DE DIRECCIÓN DN 1000 INCLUSO DADO DE HORMIGON HA-30 DE TOPE					
Spc0010	Tub 1000HCC	9				9,00
						9,000
950.2001_N	m TUBERÍA HINCADA DN 2500 mm DE HA CON VIROLA METALICA SEGÚN UNE-EN 1916 Y UNE-ENE 127916					
Spc0010	Tramo 1	50	1,05			52,50
Spc0010	Tramo 2	75	1,05			78,75
						131,250

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
EIFN.8olaaaa_N	m TUBERÍA ACERO L235 PARA ENCAMISAR, DN2500, CHAPA 22MM, JUNTA ABOCARDADA + 1 CORD. SOLDADURA, OBRA NORMAL, NORMAL					
Spc0010	Encamisada	1,05	132,00		138,60	
						138,600
950.2002_N	ud TRANSPORTE, IMPLANTACIÓN Y POSTERIOR RETIRADA DE EQUIPO PERFORADOR DE ESCUDO CERRADO PARA HINCA DE TUBERIA HA DE DN 2500 mm					
Spc0010	calzada izquierda	1			1,00	
Spc0010						1,000
610.0010	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA					
Spc0010	Canalización	1,05	1.825,00	3,00	0,05	287,44
Spc0010	Arqueta válvula mariposa DN1100	2,2	3,10	2,80	0,15	2,86
Spc0010	Arqueda desagüe+mariposa+venti	2,2	7,30	7,30	0,15	17,59
Spc0010	Arqueta BH	3,3	4,00	2,90	0,15	5,74
Spc0010	Arqueta Ventosa	2,2	2,45	2,30	0,15	1,86
						315,490
610.0050	m³ HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS					
Spc0010	Canalización	1,05	1.825,00	3,00	0,05	287,44
Spc0010	Arqueta válvula mariposa DN1100	4	3,10	0,20	3,60	8,93
Spc0010	Arqueta válvula mariposa DN1100	4	0,20	2,80	3,60	8,06
Spc0010	Arqueta válvula mariposa DN1100	2	3,10	2,80	0,20	3,47
Spc0010	Arqueda desagüe+mariposa+venti	4	0,20	7,30	5,30	30,95
Spc0010	Arqueda desagüe+mariposa+venti	4	7,30	0,20	5,30	30,95
Spc0010	Arqueda desagüe+mariposa+venti	2	7,30	7,30	0,20	21,32
Spc0010	Arqueta BH	6	0,20	2,90	3,60	12,53
Spc0010	Arqueta BH	6	4,00	0,20	3,60	17,28
Spc0010	Arqueta BH	3	4,00	2,90	0,20	6,96
Spc0010	Arqueta Ventosa	4	0,20	2,30	3,60	6,62
Spc0010	Arqueta Ventosa	4	2,45	0,20	3,60	7,06
Spc0010	Arqueta Ventosa	2	2,45	2,30	0,20	2,25
						443,820
600.0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS					
Spc0010	1,05	1,05	500,00	70,00	36.750,00	
						36.750,000
680.0030	m² ENCOFRADO VISTO PLANO					
Spc0010	Arqueta válvula mariposa DN1100	8	3,10		3,60	89,28
Spc0010	Arqueta válvula mariposa DN1100	8		2,80	3,60	80,64
Spc0010	Arqueta válvula mariposa DN1100	8	3,10	2,80		69,44
Spc0010	Arqueda desagüe+mariposa+venti	8		7,30	5,30	309,52
Spc0010	Arqueda desagüe+mariposa+venti	8	7,30		5,30	309,52
Spc0010	Arqueda desagüe+mariposa+venti	8	7,30	7,30		426,32
Spc0010	Arqueta BH	12		2,90	3,60	125,28
Spc0010	Arqueta BH	12	4,00		3,60	172,80
Spc0010	Arqueta BH	12	4,00	2,90		139,20
Spc0010	Arqueta Ventosa	8		2,30	3,60	66,24
Spc0010	Arqueta Ventosa	8	2,45		3,60	70,56
Spc0010	Arqueta Ventosa	8	2,45	2,30		45,08
						1.903,880
903.2014_N	kg PINTURA BITUMINOSA					
Spc0010	Arqueta válvula mariposa	2	30,74			61,48
Spc0010	Arqueta desagüe	2				17,36
Spc0010	Arqueta BH+ Vent DN 150	7	8,68			60,76
						139,600
903.2012_N	m² LOSA PREFABRICADA DE HORMIGÓN EN TAPAS DE ARQUETAS					
Spc0010	Arqueta válvula mariposa DN1100	2	3,10	2,80		17,36
Spc0010	Arqueda desagüe+mariposa+venti	2	7,30	7,30		106,58
Spc0010	Arqueta BH	3	4,00	2,90		34,80
Spc0010	Arqueta Ventosa	2	2,45	2,30		11,27
						170,010

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
418.0010	ud PATE DE ACERO REVESTIDO CON POLIPROPILENO					
Spc0010	Arqueta válvula mariposa DN1100	2	10,00			20,00
Spc0010	Arqueda desagüe+mariposa+venti	2				40,00
Spc0010	Arqueta BH	3	10,00			30,00
Spc0010	Arqueta Ventosa	2	10,00			20,00
						110,000
950.1166_N	ud CUBETA HORMIGÓN ARMADO					
Spc0010	Arqueta válvula mariposa DN1100	2				2,00
Spc0010	Arqueda desagüe+mariposa+venti	2				2,00
Spc0010	Arqueta BH	3				3,00
Spc0010	Arqueta Ventosa	2				2,00
Spc0010	Arqueta válvula mariposa	2				2,00
Spc0010						
Spc0010						
						11,000
903.2010_N	ud TAPA Y MARCO DE FUNDICIÓN ESPECIAL SEGURIDAD CON PISTON HIDRAULICO DN850 MM					
Spc0010	Arqueta válvula mariposa DN1100	2				2,00
Spc0010	Arqueda desagüe+mariposa+venti	2				2,00
Spc0010	Arqueta BH	3				3,00
Spc0010	Arqueta Ventosa	2				2,00
						9,000
940.1006_N	ud HITOS DE SEÑALIZACION DE TUBERIAS					
Spc0010		180				180,00
						180,000
950.1167_N	ud POZO DE REGISTRO PARA BOCA DE HOMBRE O VACIADO DIAMETRO 1000 MM INCLUSO TAPA DN800 TIPO D400					
Spc0010	Arqueta BH	3				3,00
Spc0010	Arqueta desagüe	2				2,00
						5,000
950.1159_N	ud VÁLVULA DE MARIPOSA DN1000					
Spc0010	Arqueta válvula mariposa DN1100	2				2,00
Spc0010	Arqueda desagüe+mariposa+venti	2				2,00
						4,000
950.2040_N	ud CONJUNTO DE CALDERERÍA ACERO AL CARBONO DN 1000 MM EN ARQUETA DE VÁLVULA DE MARIPOSA					
Spc0010	Arqueta válvula mariposa	2				2,00
						2,000
950.2030_N	ud CONJUNTO DE CALDERERIA ACERO AL CARBONO PARA CONFORMAR DESAGUE EN ARQUETA DE VÁLVULA DE MARIPOSA					
Spc0010	Arqueta válvula mariposa DN1100	2				2,00
Spc0010	Arqueda desagüe+mariposa+venti	2				2,00
						4,000
950.1020_N	ud CONJUNTO DE CALDERERIA ACERO AL CARBONO EN ARQUETA VACIADO					
Spc0010	Arqueda desagüe+mariposa+venti	2				2,00
						2,000
950.1168_N	ud CONJUNTO DE CALDERERIA PARA VENTOSA TRIFUNCIONAL DN150					
Spc0010	Arqueta Ventosa	2				2,00
						2,000
950.2068_N	ud CONJUNTO VENTILACIÓN ARQUETA 180M3/H					
Spc0010	Arqueda desagüe+mariposa+venti	2				2,00
						2,000
950.1161_N	ud CONJUNTO CALDERERIA PARA CONFORMAR BOCA DE HOMBRE DE DN 600 MM					
Spc0010	Arqueda desagüe+mariposa+venti	2				2,00
Spc0010	Arqueta BH	3				3,00
						5,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
940.1005_N Spc0010 Spc0010	ud CONEXION C/TUB. EXISTENTE Ø 1000-1100 EN UN TIEMPO INFERIOR A 48H conexiones	2				2,00
						2,000
903.0351_N Spc0010	m LIMPIEZA TUBERÍAS, DESINFECCIÓN E INSPECCIÓN	1,05	1.812,00			1.902,60
						1.902,600
903.3010_N Spc0010	ud REDACCIÓN DE PROYECTO AM-B.02	1				1,00
						1,000

11.06.03AM-B.03

910.0125_N Spc0010	ud LOCALIZACION REDES EXISTENTES AM-B.03	1				1,00
						1,000
321.0010 Spc0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO Protección	1,05	15,00	4,00	1,00	63,00
						63,000
680.0030 Spc0010 Spc0010	m² ENCOFRADO VISTO PLANO Protección	2 2	12,00 12,00		0,30 0,30	7,20 7,20
						14,400
600.0010 Spc0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS Protección	1,05	9,45	70,00		694,58
						694,580
610.0050 Spc0010	m³ HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS Protección	1,05	15,00	3,00	0,25	11,81
						11,810
332.0040 Spc0010	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA Protección	1,05	15,00	4,00	0,75	47,25
						47,250

11.07AGUAS DE VALENCIA

11.07.01AV-B.01

910.0125_N Spc0010	ud LOCALIZACION REDES EXISTENTES EM-B.04	1				1,00
						1,000
940.1001_N Spc0010 Spc0010	ud DEMOLICIÓN ARQUETAS EXISTENTES Arquetas	2				2,00
						2,000
321.0010 Spc0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	1,05	87,00	4,40	3,60	1.446,98
						1.446,980
804.0010 Spc0010	m³ HORMIGÓN C12/C15 EN REGULARIZACIÓN, LIMPIEZA Y RELLENOS EN TÚNELES Y OBRAS SUBTERRÁNEAS Tubería FD 200 mm	1,05	87,00	2,60	0,05	11,88
						11,880

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
332.0040 Spc0010	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA Tubería FD 200 mm	1,05	87,00	4,40	1,80	723,49
						723,490
940.1006_N Spc0010	ud HITOS DE SEÑALIZACION DE TUBERIAS	9				9,00
						9,000
940.1007_N Spc0010	m TUBERÍA DE FUNDICIÓN DÚCTIL 200 MM Tubería FD 200 mm	1,05	87,00			91,35
						91,350
950.1155_N Spc0010	ud VÁLVULA MARIPOSA DN 200 Arqueta secc. DN 200	2				2,00
						2,000
950.1157_N Spc0010	ud CARRETE TELESCÓPICO DN 200 Arqueta secc. DN 200	2				2,00
						2,000
950.1178_N Spc0010	ud DADO DE ANCLAJE CON CODO PARA CAMBIOS DE DIRECCIÓN DN200 Tubería FD 200 mm	2				2,00
						2,000
903.0351_N Spc0010	m LIMPIEZA TUBERÍAS, DESINFECCIÓN E INSPECCIÓN	1				1,00
						1,000
903.2010_N Spc0010	ud TAPA Y MARCO DE FUNDICIÓN ESPECIAL SEGURIDAD CON PISTON HIDRAULICO DN850 MM Arqueta secc. DN 200	2				2,00
						2,000
903.2014_N Spc0010	kg PINTURA BITUMINOSA Arqueta secc. DN 200	2	8,68			17,36
						17,360
903.2013_N Spc0010	ud REJILLA Y MARCO DE 1,80 X 1,00 M Arqueta secc. DN 200	2		2,00		4,00
						4,000
903.2012_N Spc0010	m² LOSA PREFABRICADA DE HORMIGÓN EN TAPAS DE ARQUETAS Arqueta secc. DN 200	2	3,10	2,80		17,36
						17,360
418.0010 Spc0010	ud PATE DE ACERO REVESTIDO CON POLIPROPILENO Arqueta secc. DN 200	2		22,00		44,00
						44,000
301.0160 Spc0010	m DESMONTAJE DE CONDUCCIÓN DE FIBROCEMENTO	1,05	88,0000			92,4000
						92,400

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
11.09	NEDGIA					
11.09.01	NED-B.01					
910.0125_N Spc0010	ud LOCALIZACION REDES EXISTENTES NED-B.01	1			1,00	<div>1,000</div>
970.1003_N Spc0010	m DESMONTAJE TUBERÍA GN EXISTENTE NED-B.01	1,05	556,00		583,80	<div>583,800</div>
321.0010 Spc0010 Spc0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO Canalización Canalización Encamisada	1,05 1,05	523,00 32,00	0,60 0,70	1,00 1,20	<div>329,49 28,22</div> <div>357,710</div>
1110.0014 Spc0010 Spc0010	m SUMINISTRO Y MONTAJE DE TUBERÍA ACERO NEGRO CON SOLDADURA, DE 4" DE DIÁMETRO (DN-100) Canalización Canalización Encamisada	1,05 1,05	523,00 32,00		549,15 33,60	<div>582,750</div>
1110.0012_N Spc0010 Spc0010	m SUMINISTRO Y MONTAJE DE TUBERÍA PARA ENCAMISAR DE ACERO NEGRO CON SOLDADURA, DE 12" DE DIÁMETRO (DN-200) Canalización Canalización Encamisada	1,05 1,05	523,00 32,00	0,60 0,70	1,00 1,20	<div>329,49 28,22</div> <div>357,710</div>
960.1069_N Spc0010 Spc0010	m³ RELLENO LOCALIZADO, HUMECTADO Y COMPACTADO CON ARENA LAVADA DE RÍO Canalización Canalización Encamisada	1,05 1,05	523,00 32,00	0,60 0,70	0,10 0,10	<div>32,95 2,35</div> <div>35,300</div>
332.0040 Spc0010 Spc0010	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA Canalización Canalización Encamisada	1,05 1,05	523,00 32,00	0,60 0,70	0,60 0,60	<div>197,69 14,11</div> <div>211,800</div>
960.1070_N Spc0010 Spc0010	m³ RELLENO LOCALIZADO, HUMECTADO Y COMPACTADO CON ARENA DE MIGA Canalización Canalización Encamisada	1,05 1,05	523,00 32,00	0,60 0,70	0,30 0,50	<div>98,85 11,76</div> <div>110,610</div>
970.1002_N Spc0010	ud LEGALIZACIÓN INSTALACIÓN DE GAS NED-B.01	1			1,00	<div>1,000</div>
970.1001_N Spc0010	ud SUPERVISIÓN COMPAÑÍA GAS NED-B.01	1			1,00	<div>1,000</div>
11.09.02	NED-B.02					
910.0125_N Spc0010	ud LOCALIZACION REDES EXISTENTES NED-B.02	1			1,00	<div>1,000</div>
321.0010 Spc0010 Spc0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO Canalización Arqueta	1,05 1,05	18,00 1,10	0,60 1,10	1,15	<div>13,04 1,27</div> <div>14,310</div>
332.0040 Spc0010 Spc0010	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA Canalización Arqueta	1,05 1,05	18,00 4,00	0,60 0,10	0,60 1,00	<div>6,80 0,42</div> <div>7,220</div>

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
960.1070_N Spc0010	m³ RELLENO LOCALIZADO, HUMECTADO Y COMPACTADO CON ARENA DE MIGA Canalización	1,05	18,00	0,60	0,45	<div>5,10</div> <div>5,100</div>
EIQH.2ahacd_N Spc0010	ud ARQUETA PREFABRICADA DE HORMIGÓN CON FONDO DE 100X100X100CM DE DIMENSIONES INTERIORES CON TAPA DE FUNDICIÓN DUCTIL CLASE D-400 Arqueta	1			1,00	<div>1,000</div>
960.1069_N Spc0010	m³ RELLENO LOCALIZADO, HUMECTADO Y COMPACTADO CON ARENA LAVADA DE RÍO Canalización	1,05	18,00	0,60	0,10	<div>1,13</div> <div>1,130</div>
1110.0015_N Spc0010	m SUMINISTRO Y MONTAJE DE TUBERÍA ACERO NEGRO CON SOLDADURA, DE 10" DE DIÁMETRO Canalización	1,05	18,00		18,90	<div>18,900</div>
610.0010 Spc0010	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA Arqueta lados	1,05	4,40	0,10	1,00	<div>0,46</div> <div>0,460</div>
940.1001_N Spc0010	ud DEMOLICIÓN ARQUETAS EXISTENTES Arqueta	1			1,00	<div>1,000</div>
970.1001_N Spc0010	ud SUPERVISIÓN COMPAÑÍA GAS NED-B.02	1			1,00	<div>1,000</div>
970.1002_N Spc0010	ud LEGALIZACIÓN INSTALACIÓN DE GAS NED-B.02	1			1,00	<div>1,000</div>
11.09.03	NED-B.03					
910.0125_N Spc0010	ud LOCALIZACION REDES EXISTENTES NED-B.03	1			1,00	<div>1,000</div>
970.1001_N Spc0010	ud SUPERVISIÓN COMPAÑÍA GAS NED-B.03	1			1,00	<div>1,000</div>
321.0010 Spc0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO Protección	1,05	194,00	0,60	0,60	<div>73,33</div> <div>73,330</div>
680.0030 Spc0010 Spc0010	m² ENCOFRADO VISTO PLANO Protección Protección	2 2	1,00 194,00	0,60	1,20 232,80	<div>234,000</div>
600.0010 Spc0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS Protección		25,00	70,00	1.750,00	<div>1.750,000</div>
610.0050 Spc0010	m³ HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS Protección	1,05	194,00	0,60	0,20	<div>24,44</div> <div>24,440</div>
332.0040 Spc0010	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA Protección	1,05	194,00	0,60	0,40	<div>48,89</div> <div>48,890</div>

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
11.09.04 NED-B.04						
910.0125_N Spc0010	ud LOCALIZACION REDES EXISTENTES NED-B.04	1			1,00	1,000
970.1001_N Spc0010	ud SUPERVISIÓN COMPAÑÍA GAS NED-B.04	1			1,00	1,000
970.1003_N Spc0010	m DESMONTAJE TUBERÍA GN EXISTENTE NED-B.04	1,05	426,00		447,30	447,300
970.1002_N Spc0010	ud LEGALIZACIÓN INSTALACIÓN DE GAS NED-B.04	1			1,00	1,000
321.0010 Spc0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO Canalización	1,05	428,00	0,60	1,15	310,09
332.0040 Spc0010	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA Canalización	1,05	428,00	0,60	0,60	161,78
960.1069_N Spc0010	m³ RELLENO LOCALIZADO, HUMECTADO Y COMPACTADO CON ARENA LAVADA DE RÍO Canalización	1,05	428,00	0,60	0,10	26,96
1110.0015_N Spc0010	m SUMINISTRO Y MONTAJE DE TUBERÍA ACERO NEGRO CON SOLDADURA, DE 10" DE DIÁMETRO Canalización	1,05	428,00		449,40	449,400
960.1070_N Spc0010	m³ RELLENO LOCALIZADO, HUMECTADO Y COMPACTADO CON ARENA DE MIGA Canalización	1,05	428,00	0,60	0,45	121,34
121,340						
11.09.05 NED-B.05						
910.0125_N Spc0010	ud LOCALIZACION REDES EXISTENTES NED-B.05	1			1,00	1,000
970.1001_N Spc0010	ud SUPERVISIÓN COMPAÑÍA GAS NED-B.03	1			1,00	1,000
321.0010 Spc0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO Protección	1,05	20,00	0,60	0,60	7,56
680.0030 Spc0010 Spc0010	m² ENCOFRADO VISTO PLANO Protección	2 2	20,00	0,60 1,00	24,00 0,60	25,200
600.0010 Spc0010	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS Protección	1	70,00	2,52	176,40	176,400

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
610.0100 Spc0010	m³ HORMIGÓN C35/45 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS Protección	1,05	20,00	0,60	0,20	2,52
332.0040 Spc0010	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA Protección	1,05	20,00	0,60	0,40	5,04
5,040						
11.10 RIEGO						
11.10.01 RIE-B.01						
910.0125_N Spc0010	ud LOCALIZACION REDES EXISTENTES RIE-B.01	1			1,00	1,000
321.0010 Spc0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO RIE-B.01		590,00	1,12	1,40	925,12
332.0040 Spc0010	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA RIE-B.01		590,00	1,12	0,75	495,60
980.1001_N Spc0010 Spc0010	m DESMONTAJE TUBERÍAS DE RIEGO EXISTENTES RIE-B.01 TUBO 40mm	1	590,00		590,00	590,000
980.1006_N Spc0010	m DEMOLICIÓN PROTECCIÓN HORMIGÓN TUBERÍAS EXISTENTES RIE-B.01		121,00		121,00	121,000
121,000						
11.10.02 RIE-B.02						
910.0125_N Spc0010	ud LOCALIZACION REDES EXISTENTES RIE-B.02	1			1,00	1,000
321.0010 Spc0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO RIE-B.02	1	592,00	1,12	1,40	928,26
332.0040 Spc0010	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA RIE-B.02		588,00	1,12	0,75	493,92
980.1001_N Spc0010	m DESMONTAJE TUBERÍAS DE RIEGO EXISTENTES RIE-B.02		592,00		592,00	592,000
980.1006_N Spc0010	m DEMOLICIÓN PROTECCIÓN HORMIGÓN TUBERÍAS EXISTENTES RIE-B.02		28,00		28,00	28,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
11.10.03	RIE-B.03					
910.0125_N Spc0010	ud LOCALIZACION REDES EXISTENTES RIE-B.03	1				1,000
321.0010 Spc0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO RIE-B.03		366,00	1,12	1,40	573,89
332.0040 Spc0010	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA RIE-B.03		366,00	0,60	1,10	241,56
980.1006_N Spc0010	m DEMOLICIÓN PROTECCIÓN HORMIGÓN TUBERÍAS EXISTENTES RIE-B.03		14,00			14,00
11.10.04	RIE-B.04					
910.0125_N Spc0010	ud LOCALIZACION REDES EXISTENTES RIE-B.04	1				1,000
321.0010 Spc0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO RIE-B.04		382,00	1,12	1,40	598,98
332.0040 Spc0010	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA RIE-B.04		382,00	1,12	0,75	320,88
980.1001_N Spc0010	m DESMONTAJE TUBERÍAS DE RIEGO EXISTENTES RIE-B.04		382,00			382,00
980.1006_N Spc0010	m DEMOLICIÓN PROTECCIÓN HORMIGÓN TUBERÍAS EXISTENTES RIE-B.04		13,00			13,00
11.10.05	RIE-B.05					
910.0125_N Spc0010	ud LOCALIZACION REDES EXISTENTES RIE-B.05	1				1,000
321.0010 Spc0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO RIE-B.05		235,00	1,12	1,40	368,48
332.0040 Spc0010	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA RIE-B.05		235,00	1,12	0,75	197,40
980.1001_N Spc0010	m DESMONTAJE TUBERÍAS DE RIEGO EXISTENTES RIE-B.05		235,00			235,00
980.1006_N Spc0010	m DEMOLICIÓN PROTECCIÓN HORMIGÓN TUBERÍAS EXISTENTES RIE-B.05		235,00			235,00

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
11.10.06	RIE-B.06					
910.0125_N Spc0010	ud LOCALIZACION REDES EXISTENTES RIE-B.06	1				1,000
321.0010 Spc0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO RIE-B.06		148,00	0,60	1,10	97,68
321.0010 Spc0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO RIE-B.06		158,00	0,60	1,40	132,72
321.0010 Spc0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO RIE-B.06		313,00	0,60	1,40	262,92
321.0010 Spc0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO RIE-B.06		8,00	0,60	1,10	5,28
332.0040 Spc0010	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA RIE-B.06		8,00	0,60	0,50	2,40
332.0040 Spc0010	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA RIE-B.06		313,00	0,60	0,40	75,12
332.0040 Spc0010	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA RIE-B.06		8,00	0,60	1,10	5,28
332.0040 Spc0010	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA RIE-B.06		298,00	0,60	0,75	134,10
332.0061_N Spc0010	m³ RELLENO CON ARENA DE RÍO LAVADA RIE-B.06		8,000	0,600	0,360	1,728
980.3090_N Spc0010	m CINTA DE ATENCIÓN Y ADVERTENCIA RIE-B.06		446,00			446,00
903.0351_N Spc0010	m LIMPIEZA TUBERÍAS, DESINFECCIÓN E INSPECCIÓN RIE-B.06	1				1,000
903.0352_N Spc0010	ud PRUEBAS Y PUESTA EN SERVICIO TUBERIAS RIE-B.06	1				1,000
980.1001_N Spc0010	m DESMONTAJE TUBERÍAS DE RIEGO EXISTENTES RIE-B.06		320,00			320,00
980.1006_N Spc0010	m DEMOLICIÓN PROTECCIÓN HORMIGÓN TUBERÍAS EXISTENTES RIE-B.06		165,00			165,00
980.1009_N Spc0010	ud ARQUETA DE CONEXIÓN RIEGO RIE-B.06	2				2,000
980.1007_N Spc0010	m TUBO DE RIEGO DE PVC RIE-B.06		446,00			446,00
980.1003_N Spc0010	ud CONEXIÓN CON TUBERÍAS Y ACEQUIAS DE RIEGO EXISTENTES RIE-B.06	2				2,000
96.1103_N Spc0010	m³ HORMIGÓN NO ESTRUCTURAL RELLENO ZANJA RIE-B.06		313,00	0,60	0,75	140,85
903.3091_N Spc0010	ud REDACCIÓN DEL PROYECTO DE LA REPOSICIÓN DE RIEGO RIE-B.06	1				1,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
11.11	DGT					
11.11.01	DGT-B.01					
910.0125_N Spc0010	ud LOCALIZACION REDES EXISTENTES DGT-B.01	1				1,00 1,000
920.0075_N Spc0010	m DESMONTAJE CANALIZACIÓN Canalización desmontada	1,05	3.122,00		3.278,10	3.278,100
930.1005_N Spc0010	ud DEMOLICIÓN DE ARQUETAS DGT-B.01	12			12,00	12,000
321.0010 Spc0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO Canalización	1,05	3.197,00	0,45	1,05	1.586,11 1.586,110
610.0020 Spc0010 Spc0010	m³ HORMIGÓN C20/25 Canalización Canalización puente	1,05 1,05	3.197,00 140,00	0,45 0,50	0,85 0,50	1.284,00 36,75 1.320,750
417.0020 Spc0010	m TUBO DE PVC DE DIÁMETRO 110 MM Canalización	2,1	3.197,00		6.713,70	6.713,700
1105.0117_N Spc0010	m SUMINISTRO Y MONTAJE DE TRITUBO DE PE DE 40 MM DE DIAMETRO EXTERIOR	1,05	3.197,00		3.356,85	3.356,850
1105.0120_N Spc0010	m CABLE ELÉCTRICO PARA BAJA TENSIÓN "PRYSMIAN GROUP". 2x35 mm² Canalización	1,05	144,00		151,20	151,200
1105.0121_N Spc0010	m CABLE ELÉCTRICO PARA BAJA TENSIÓN "PRYSMIAN GROUP". 4x35 mm² Canalización	1,05	3.197,00		3.356,85	3.356,850
1109.0024_N Spc0010	m SUMINISTRO, INSTALACIÓN Y CONEXIONADO DE CABLE 4 FO CON CUBIERTA TKEST Canalización	1,05	3.197,00		3.356,85	3.356,850
1109.0028_N Spc0010	m SUMINISTRO, INSTALACIÓN Y CONEXIONADO DE CABLE 36 FO CON CUBIERTA TKEST Canalización	1,05	3.197,00		3.356,85	3.356,850
1105.0030_N Spc0010	m SUMINISTRO Y MONTAJE DE CABLE DE 3 CUADRETES Canalización	1,05	3.197,00		3.356,85	3.356,850
1105.0118 Spc0010	m SUMINISTRO Y MONTAJE DE CINTA SEÑALIZADORA DE CABLEADO ELÉCTRICO Canalización	1,05	3.197,00		3.356,85	3.356,850
990.1003_N Spc0010	ud ARQUETA 60X60 CM Arquetas	14			14,00	14,000
1112.0010 Spc0010	ud INSTALACIÓN PMV 2G 64x64 + 3 FILAS 12 CARACTERES (h= 420 mm)	1			1,00	1,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
11.12	ALUMBRADO					
11.12.01	AL-B.01					
910.0125_N Spc0010	ud LOCALIZACION REDES EXISTENTES AL-B.01	1			1,00	1,000
910.2005_N Spc0010	m CANALIZACION 40X90 DE 2T DE PVC DE 110 MM AL-B.01		18,00		18,00	18,000
910.2105_N Spc0010	m CANALIZACIÓN 40X90 CRUCE DE CALZADAS 4T DE PVC DE 110 MM AL-B.01		141,00		141,00	141,000
960.1069_N Spc0010 Spc0010 Spc0010	m³ RELLENO LOCALIZADO, HUMECTADO Y COMPACTADO CON ARENA LAVADA DE RÍO AL-B.01 Canalización Cruce de Calzadas		18,00 141,00	0,20 0,16	3,60 22,56	26,160
910.2007_N Spc0010 Spc0010	m CABLE DE CU 4X6 MM2 PARA RED SUBTERRANEA DE ALUMBRADO PÚBLICO + CABLE TOMA TIERRA 35 MM2 AL-B.01 AL-B.01		141,00 18,00		141,00 18,00	159,000
321.0010 Spc0010 Spc0010 Spc0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO AL-B.01 REPOSICIÓN REPOSICIÓN BAJO CALZADA	3	1,54 135,00 17,00	1,70 0,40 0,40	2,45 0,90 0,90	19,24 48,60 6,12 73,960
910.2008_N Spc0010	ud PICA DE PUESTA A TIERRA AL-B.01	3			3,00	3,000
910.2013_N Spc0010	ud EMPALME DE NUEVO CABLEADO CON CABLEADO EXISTENTE. AL-B.01	2			2,00	2,000
910.2066_N Spc0010	ud CIMENTACIÓN HORMIGÓN TORRE ILUMINACIÓN 30 M AL-B.01	3			3,00	3,000
910.2067_N Spc0010	ud PROYECTOR OMINISTAR DE SCHREDER (O SIMILAR) CON LED 547W AL-B.01	36			36,00	36,000
910.2068_N Spc0010	ud DESMONTAJE TORRE ILUMINACIÓN Y REUBICACIÓN EN NUEVO PUNTO AL-B.01	3			3,00	3,000
910.2069_N Spc0010	ud REPOSICIÓN MECANISMO INTERIOR TORRE DE ALUMBRADO AL-B.01	3			3,00	3,000
910.2017_N Spc0010	ud ARQUETA DE CRUCE DE CALZADA AL-B.01	6			6,00	6,000
650.0091_N Spc0010	ud LEGALIZACIÓN INSTALACIONES ALUMBRADO PÚBLICO AL-B.01	1			1,00	1,000
920.0210_N Spc0010	ud LEGALIZACIÓN INSTALACIONES BAJA TENSIÓN AL-B.01	1			1,00	1,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
1105.0118 Spc0010	m SUMINISTRO Y MONTAJE DE CINTA SEÑALIZADORA DE CABLEADO ELÉCTRICO AL-B.01		159,00			159,00
						159,000
11.12.02 AL-B.02						
321.0010 Spc0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO AL-B.02					
Spc0010	REPOSICIÓN		1.359,00	0,40	0,90	489,24
Spc0010	REPOSICIÓN BAJO CALZADA		138,00	0,40	0,90	49,68
Spc0010	CANCELADA		932,00	0,40	0,70	260,96
Spc0010	CIMENTACIÓN COLUMNAS	26	0,90	1,20	0,90	25,27
						825,150
332.0040 Spc0010	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA AL-B.02					
Spc0010	CANCELADA		932,00	0,40	0,70	260,96
						260,960
910.2076_N Spc0010	ud CIMENTACIÓN HORMIGÓN COLUMNA 12 M AL-B.02	26				26,00
						26,000
910.2005_N Spc0010	m CANALIZACION 40X90 DE 2T DE PVC DE 110 MM AL-B.02		1.423,00			1.423,00
						1.423,000
910.2105_N Spc0010	m CANALIZACIÓN 40X90 CRUCE DE CALZADAS 4T DE PVC DE 110 MM AL-B.02					107,00
						107,000
960.1069_N Spc0010	m³ RELLENO LOCALIZADO, HUMECTADO Y COMPACTADO CON ARENA LAVADA DE RÍO AL-B.02					
Spc0010	Canalización		1.423,00	0,20		284,60
Spc0010	Cruce de Calzadas		107,00	0,16		17,12
						301,720
910.2006_N Spc0010	ud ARQUETA DE DERIVACIÓN AL-B.02	26				26,00
						26,000
910.2017_N Spc0010	ud ARQUETA DE CRUCE DE CALZADA AL-B.02					
Spc0010	ARQUETA 60X60	6				6,00
						6,000
910.2007_N Spc0010	m CABLE DE CU 4X6 MM2 PARA RED SUBTERRANEA DE ALUMBRADO PÚBLICO + CABLE TOMA TIERRA 35 MM2 AL-B.02		1.572,00			1.572,00
						1.572,000
910.2008_N Spc0010	ud PICA DE PUESTA A TIERRA AL-B.02	26				26,00
						26,000
910.2013_N Spc0010	ud EMPALME DE NUEVO CABLEADO CON CABLEADO EXISTENTE. AL-B.02	2				2,00
						2,000
910.2012_N Spc0010	ud DESMONTAJE Y RETIRADA PUNTO DE LUZ EXISTENTE AL-B.02	26				26,00
						26,000
910.2009_N Spc0010	ud UD COLUMNA DE ACERO GALVANIZADO DE 12 M AL-B.02	26				26,00
						26,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
910.2064_N Spc0010	ud LUMINARIA STELVIO HIGH PERFORMANCE 156W AL-B.02		26			26,00
						26,000
920.5030_N Spc0010	ud ACOMETIDA A CENTROS DE MANDO AL-B.02		2			2,00
						2,000
920.0050_N Spc0010	ud CENTRO DE MANDO Y FUERZA PARA CONTROL DE ILUMINACIÓN AL-B.02					
Spc0010	CUADRO DE MANDO	2				2,00
						2,000
650.0091_N Spc0010	ud LEGALIZACIÓN INSTALACIONES ALUMBRADO PÚBLICO AL-B.02		1			1,00
						1,000
920.0210_N Spc0010	ud LEGALIZACIÓN INSTALACIONES BAJA TENSIÓN AL-B.02		1			1,00
						1,000
650.0096_N Spc0010	ud LEGALIZACIÓN CENTRO DE MANDO AL-B.02		2			2,00
						2,000
1105.0118 Spc0010	m SUMINISTRO Y MONTAJE DE CINTA SEÑALIZADORA DE CABLEADO ELÉCTRICO AL-B.02		1.572,00			1.572,00
						1.572,000
11.12.03 AL-B.03						
321.0010 Spc0010	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO AL-B.03	6	0,90	1,20	0,90	5,83
Spc0010	NUEVA CANALIZACIÓN		210,00	0,40	0,90	75,60
Spc0010	CANCELADA		105,00	0,40	0,70	29,40
						110,830
332.0040 Spc0010	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA AL-B.03		105,00	0,40	0,70	29,40
						29,400
910.2005_N Spc0010	m CANALIZACION 40X90 DE 2T DE PVC DE 110 MM AL-B.03		220,00			220,00
						220,000
910.2007_N Spc0010	m CABLE DE CU 4X6 MM2 PARA RED SUBTERRANEA DE ALUMBRADO PÚBLICO + CABLE TOMA TIERRA 35 MM2 AL-B.03		220,00			220,00
						220,000
960.1069_N Spc0010	m³ RELLENO LOCALIZADO, HUMECTADO Y COMPACTADO CON ARENA LAVADA DE RÍO AL-B.03					
Spc0010	Canalización		220,00	0,20		44,00
						44,000
910.2076_N Spc0010	ud CIMENTACIÓN HORMIGÓN COLUMNA 12 M AL-B.03	7				7,00
						7,000
1105.0118 Spc0010	m SUMINISTRO Y MONTAJE DE CINTA SEÑALIZADORA DE CABLEADO ELÉCTRICO AL-B.03		220,00			220,00
						220,000
910.2006_N Spc0010	ud ARQUETA DE DERIVACIÓN AL-B.03	7				7,00
						7,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
910.2008_N Spc0010	ud PICA DE PUESTA A TIERRA AL-B.03	7			7,00	<div>7,000</div>
910.2013_N Spc0010	ud EMPALME DE NUEVO CABLEADO CON CABLEADO EXISTENTE. AL-B.03	1			1,00	<div>1,000</div>
910.2012_N Spc0010	ud DESMONTAJE Y RETIRADA PUNTO DE LUZ EXISTENTE AL-B.03	7			7,00	<div>7,000</div>
910.2009_N Spc0010	ud UD COLUMNA DE ACERO GALVANIZADO DE 12 M AL-B.03	7			7,00	<div>7,000</div>
910.2064_N Spc0010	ud LUMINARIA STELVIO HIGH PERFORMANCE 156W AL-B.03	7			7,00	<div>7,000</div>
650.0091_N Spc0010	ud LEGALIZACIÓN INSTALACIONES ALUMBRADO PÚBLICO AL-B.03	1			1,00	<div>1,000</div>
920.0210_N Spc0010	ud LEGALIZACIÓN INSTALACIONES BAJA TENSIÓN AL-B.03	1			1,00	<div>1,000</div>

11.12.04	AL-B.04					
321.0010	m³	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO				
Spc0010	AL-B.04	140,00	0,40	0,90	50,40	
Spc0010	AL-B.04	176,00	0,40	0,70	49,28	
						99,680
332.0040	m³	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA				
Spc0010	AL-B.04	176,00	0,40	0,70	49,28	
						49,280
910.2005_N	m	CANALIZACION 40X90 DE 2T DE PVC DE 110 MM				
Spc0010	AL-B.04	147,00			147,00	
						147,000
910.2007_N	m	CABLE DE CU 4X6 MM2 PARA RED SUBTERRANEA DE ALUMBRADO PÚBLICO + CABLE TOMA TIERRA 35 MM2				
Spc0010	AL-B.04	147,00			147,00	
						147,000
1105.0118	m	SUMINISTRO Y MONTAJE DE CINTA SEÑALIZADORA DE CABLEADO ELÉCTRICO				
Spc0010	AL-B.04	147,00			147,00	
						147,000
960.1069_N	m³	RELLENO LOCALIZADO, HUMECTADO Y COMPACTADO CON ARENA LAVADA DE RÍO				
Spc0010	AL-B.04					
Spc0010	Canalización	147,00	0,20		29,40	
						29,400
910.2076_N	ud	CIMENTACIÓN HORMIGÓN COLUMNA 12 M				
Spc0010	AL-B.04	4			4,00	
						4,000
910.2013_N	ud	EMPALME DE NUEVO CABLEADO CON CABLEADO EXISTENTE.				
Spc0010	AL-B.04	1			1,00	
						1,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
910.2006_N Spc0010	ud ARQUETA DE DERIVACIÓN AL-B.04	4			4,00	<div>4,000</div>
910.2008_N Spc0010	ud PICA DE PUESTA A TIERRA AL-B.04	4			4,00	<div>4,000</div>
910.2012_N Spc0010	ud DESMONTAJE Y RETIRADA PUNTO DE LUZ EXISTENTE AL-B.04	4			4,00	<div>4,000</div>
910.2009_N Spc0010	ud UD COLUMNA DE ACERO GALVANIZADO DE 12 M AL-B.04	4			4,00	<div>4,000</div>
910.2064_N Spc0010	ud LUMINARIA STELVIO HIGH PERFORMANCE 156W AL-B.04	4			4,00	<div>4,000</div>
650.0091_N Spc0010	ud LEGALIZACIÓN INSTALACIONES ALUMBRADO PÚBLICO AL-B.04	1			1,00	<div>1,000</div>
920.0210_N Spc0010	ud LEGALIZACIÓN INSTALACIONES BAJA TENSIÓN AL-B.04	1			1,00	<div>1,000</div>

11.12.05	AL-B.05						
321.0010	m³	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO					
Spc0010	CANALIZACION	1,05	20,00	0,52	1,00	10,92	
							10,920
332.0040	m³	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA					
Spc0010	CANALIZACION	1	170,00	0,52	0,30	26,52	
							26,520
1105.0034	m	SUMINISTRO Y MONTAJE DE CABLE RZ1-K(AS) 0,6/1 KV. SECCIÓN 1X16 MM2					
Spc0010	CANALIZACION	6	170,00			1.020,00	
							1.020,000
541.0080	t	MEZCLA BITUMINOSA EN FRÍO, TIPO AF25, CON ÁRIDO ESPECIAL PARA RODADURA, EXCEPTO LIGANTE					
Spc0010	CANALIZACION	2,64	150,00	0,52	0,10	20,59	
							20,590
551.0010	m3	HORMIGÓN MAGRO EN BASE DE FIRME					
Spc0010	CANALIZACION	1,05	150,0000	0,5200	0,3000	24,5700	
							24,570
920.0455_N	ud	EMPALME UNIPOLAR PARA CABLE DE MEDIA TENSIÓN DE 50 A 240 MM².					
Spc0010	CANALIZACION	6				6,00	
							6,000
1105.0118	m	SUMINISTRO Y MONTAJE DE CINTA SEÑALIZADORA DE CABLEADO ELÉCTRICO					
Spc0010	IDE-B.02	1,05	170,00			178,50	
							178,500
920.0210_N	ud	LEGALIZACIÓN INSTALACIONES BAJA TENSIÓN					
Spc0010	IDE-B.02	1				1,00	
							1,000
417.0030_N		TUBO DE PVC DE DIÁMETRO 160MM					
Spc0010		2	170,00			340,00	
							340,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
980.3092_N Spc0010	m TUBO PEAD TRITUBO 50 MM CANALIZACION	1	170,00			170,00
610.0020 Spc0010	m³ HORMIGÓN C20/25 Canalización Puente	1,05	140,00	0,50	0,50	36,75
						36,750

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
12	SEGURIDAD Y SALUD					
SS001 Spc0010	PA SEGURIDAD Y SALUD ____1% DEL PEM	1				1,0000
						1,000

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
13	GESTIÓN DE RESIDUOS DE CONSTRUCCIÓN Y DEMOLICIÓN					
950.0010	t	CLASIFICACIÓN Y RECOGIDA SELECTIVA				
Spc0010	DEMOLICIONES					
Spc0010	RCD Naturaleza No Pétreo (sólo cánon de vertido)		50.000,00		50.000,00	
Spc0010	RCD Naturaleza Pétreo (sólo cánon de vertido)		25.000,00		25.000,00	
Spc0010	OBRA NUEVA					
Spc0010	RCD Naturaleza No Pétreo (cánon y transporte)		2.500,00		2.500,00	
Spc0010	RCD Naturaleza Pétreo (cánon y transporte)		2.000,00		2.000,00	
Spc0010	RCD Potencialmente peligrosos (cánon y transporte)		5,00		5,00	
						79.505,000
950.0020	t	GESTIÓN DE RNP NO PÉTREOS				
Spc0010			2.500,00		2.500,00	
						2.500,000
950.0030	t	GESTIÓN DE RNP PÉTREOS				
Spc0010			2.000,00		2.000,00	
						2.000,000
950.0050	t	GESTIÓN DE RP (TIERRAS CONTAMINADAS)				
Spc0010			5,00		5,00	
						5,000
950.0060	t	CANON GESTIÓN DE RNP NO PÉTREOS				
Spc0010	RCDs Nivel II					
Spc0010			35.000,00		35.000,00	
						35.000,000
950.0070	t	CANON GESTIÓN DE RNP PÉTREOS				
Spc0010	RCDs Nivel II					
Spc0010			25.000,00		25.000,00	
						25.000,000
950.0080	t	CANON GESTIÓN DE TIERRAS				
Spc0010	Según mediciones auxiliares					
Spc0010			93.273,80	1,80	167.892,84	
Spc0010			109.466,10	1,80	197.038,98	
						364.931,820

MEDICIONES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	UDS	LONGITUD	ANCHURA	ALTURA	CANTIDAD
14	VARIOS					
999.0001_N	PA	PARTIDA ALZADA DE ABONO INTEGRO PARA LIMPIEZA Y TERMINACIÓN DE LAS OBRAS, ASÍ COMO RESTAURACIÓN DEL ENTORNO DE ACUERDO CON O.C.				
Spc0010		1				1,0000
						1,000
999.0002_N	PA	PARTIDA ALZADA DE ABONO INTEGRO PARA EJECUCIÓN DE MEDIDAS DERIVADAS DEL INFORME DE AUDITORÍA DE SEGURIDAD VIARIA S/ O.C. 41/2017				
						1,000

Presupuestos Generales

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
01	EXPLANACIÓN			
01.01	DEMOLICIONES			
01.01.01	m³ DEMOLICIÓN DE FÁBRICA HORMIGÓN EN MASA	2844,48	30,20	85.903,27
(301.0030)	DEMOLICIÓN DE FÁBRICA HORMIGÓN EN MASA i/ DESESCOMBRO, CARGA Y TRANSPORTE DE MATERIAL DEMOLIDO A GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.			
01.01.02	m² DEMOLICIÓN DE FIRME O PAVIMENTO EXISTENTE	2535,30	3,90	9.887,67
(301.0040)	DEMOLICIÓN DE FIRME O PAVIMENTO EXISTENTE DE CUALQUIER TIPO O ESPESOR i/ BAJAS POR RENDIMIENTO POR PASO DE VEHÍCULOS, DEMOLICIÓN DE ACERAS, ISLETAS, BORDILLOS Y TODA CLASE DE PIEZAS ESPECIALES DE PAVIMENTACIÓN, DESESCOMBRO, CARGA Y TRANSPORTE DE MATERIAL DEMOLIDO A GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.			
01.01.03	m LEVANTAMIENTO DE VALLAS METÁLICAS	4439,36	3,82	16.958,36
(301.0120)	LEVANTAMIENTO DE VALLAS METÁLICAS i/ DESMONTAJE, DEMOLICIÓN, DESESCOMBRO, CARGA Y TRANSPORTE DE MATERIAL DEMOLIDO A GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.			
01.01.04	m LEVANTAMIENTO DE BARRERA METÁLICA BIONDA	7740,00	5,32	41.176,80
(301.0130)	LEVANTAMIENTO DE BARRERA METÁLICA BIONDA i/ DESMONTAJE, ARRANQUE DE POSTES, DEMOLICIÓN, DESESCOMBRO, CARGA Y TRANSPORTE DE MATERIAL DEMOLIDO A GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.			
01.01.05	m²cm FRESADO DE PAVIMENTO BITUMINOSO O DE HORMIGÓN EXISTENTE	312017,67	0,52	162.249,19
(301.0140)	FRESADO DE PAVIMENTO BITUMINOSO O DE HORMIGÓN EXISTENTE i/ CARGA, BARRIDO, RETIRADA Y TRANSPORTE DE RESIDUOS A LUGAR DE EMPLEO Y/O GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.			
01.01.06	m DEMOLICIÓN DE BORDILLO	1588,22	12,02	19.090,40
(301.0110)	DEMOLICIÓN DE BORDILLO, CARGA Y TRANSPORTE DE MATERIAL DEMOLIDO A GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.			
TOTAL 01.01				335.265,69

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
01.02	CALZADAS PRINCIPALES			
01.02.01	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	69465,80	0,57	39.595,51
(300.0010)	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VERTEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
01.02.02	m³ EXCAVACIÓN DE TIERRA VEGETAL	5521,80	2,50	13.804,50
(320.0010)	EXCAVACIÓN DE TIERRA VEGETAL i/ CARGA Y TRANSPORTE A VERTEDERO HASTA UNA DISTANCIA DE 5 km O ACOPIO DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA, DEPOSITO DE TIERRA VEGETAL EN ZONA ADECUADA PARA SU REUTILIZACIÓN Y ACONDICIONAMIENTO Y MANTENIMIENTO DE ACOPIOS, FORMACIÓN Y MANTENIMIENTO DE LOS CABALLEROS.			
01.02.03	m³ EXCAVACIÓN EN DESMONTE EN TIERRA CON MEDIOS MECÁNICOS SIN EXPLOSIVOS	159584,00	2,37	378.214,08
(320.0020)	EXCAVACIÓN EN DESMONTE EN TIERRA CON MEDIOS MECÁNICOS (TIPO EXCAVADORA O SIMILAR) SIN EXPLOSIVOS i/ AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEOS DE DESPRENDIMIENTOS, FORMACIÓN, Y PERFILADO DE CUNETAS, REFINO DE TALUDES, CARGA Y TRANSPORTE A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
01.02.04	m³ EXCAVACIÓN EN DESMONTE EN TRÁNSITO CON MEDIOS MECÁNICOS SIN EXPLOSIVOS	1906,70	2,75	5.243,43
(320.0030)	EXCAVACIÓN EN DESMONTE EN TRÁNSITO CON MEDIOS MECÁNICOS (TIPO RIPPER O SIMILAR) SIN EXPLOSIVOS i/ AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEOS DE DESPRENDIMIENTOS, FORMACIÓN Y PERFILADO DE CUNETAS, REFINO DE TALUDES, CARGA Y TRANSPORTE A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
01.02.05	m³ EXCAVACIÓN EN DESMONTE EN ROCA CON MEDIOS MECÁNICOS SIN EXPLOSIVOS	476,70	18,74	8.933,36
(320.0110)	EXCAVACIÓN EN DESMONTE EN ROCA CON MEDIOS MECÁNICOS (TIPO MARTILLO HIDRÁULICO) SIN EXPLOSIVOS i/ AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEOS DE DESPRENDIMIENTOS, FORMACIÓN Y PERFILADO DE CUNETAS, REFINO DE TALUDES, CARGA Y TRANSPORTE A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
01.02.06	m3 TERRAPLÉN O PEDRAPLEN O RELLENO TODO-UNO CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN	68717,00	1,10	75.588,70
(330.0020)	TERRAPLÉN, PEDRAPLÉN O RELLENO TODO-UNO CON MATERIALES PROCEDENTES DE LA EXCAVACIÓN, i/ EXTENDIDO, HUMECTACIÓN, NIVELACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE TALUDES TOTALMENTE TERMINADO. (EN CASO DE QUE LOS MATERIALES SEAN PROVISTOS POR LA ADMINISTRACIÓN, SE PAGARÁ, SI PROCEDE, EL SUPLEMENTO DE TRANSPORTE POR LA DISTANCIA ADICIONAL).			
01.02.07	m³ SUELO SELECCIONADO PROCEDENTE DE YACIMIENTO GRANULAR O CANTERA PARA FORMACION DE EXPLANADA	25525,90	9,22	235.348,80
(330.0055)	SUELO SELECCIONADO PROCEDENTE DE YACIMIENTO GRANULAR O CANTERA PARA FORMACIÓN DE EXPLANADA EN CORONACIÓN DE TERRAPLÉN Y EN FONDO DE DESMONTE i/ CANON DE CANTERA, EXCAVACIÓN DEL MATERIAL, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES.			
01.02.08	m³ SUELO ESTABILIZADO "IN SITU" CON CEMENTO, TIPO S-EST3, CON MATERIAL DE CANTERA	25529,20	13,01	332.134,89
(512.0150)	SUELO ESTABILIZADO "IN SITU" CON CEMENTO, TIPO S-EST3 CON MATERIAL DE CANTERA, EXTENDIDO Y COMPACTADO i/ CANON DE CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 5 km, PREPARACIÓN DE LA MEZCLA, HUMECTACIÓN O SECADO Y PREPARACIÓN DE LA SUPERFICIE TOTALMENTE TERMINADO, SIN INCLUIR CONGLOMERANTE.			
01.02.09	t EMULSIÓN C60B3 ADH EN RIEGOS DE ADHERENCIA O C60B3 CUR EN RIEGOS DE CURADO	459,07	624,16	286.530,63
(531.0020)	EMULSIÓN C60B3 ADH EN RIEGOS DE ADHERENCIA O C60B3 CUR EN RIEGOS DE CURADO i/ EL BARRIDO Y LA PREPARACIÓN DE LA SUPERFICIE, TOTALMENTE TERMINADO.			
01.02.10	t CEMENTO PARA ESTABILIZACIÓN DE SUELOS, SUELOCEMENTO O GRAVACEMENTO	1531,75	106,00	162.365,71
(202.0030)	CEMENTO PARA ESTABILIZACIÓN DE SUELOS Y FABRICACIÓN DE SUELOCEMENTO O GRAVACEMENTO, PUESTO A PIE DE OBRA			
01.02.11	m³km TRANSPORTE SUPLEMENTARIO DE CUALQUIER TIPO DE MATERIAL	516588,80	0,30	154.976,64
(800.0010)	TRANSPORTE SUPLEMENTARIO DE CUALQUIER TIPO DE MATERIAL PROVENIENTE DE LA EJECUCIÓN DE EXCAVACIONES O PARA LA CONSTRUCCIÓN DE RELLENOS (TERRAPLENES, PEDRAPLENES, TODO-UNO Y LOCALIZADOS), MEDIDO SOBRE PLANOS DE PROYECTO Y AUTORIZADO EXPRESAMENTE POR LA DIRECCIÓN DE OBRA.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
01.02.12	m³ EXCAVACIÓN SUPLEMENTARIA EN RETALUZADO SIN EXPLOSIVOS	12100,23	2,94	35.574,68
(320.0090)	EXCAVACIÓN SUPLEMENTARIA EN RETALUZADO SIN EXPLOSIVOS, CONSIDERÁNDOSE TRABAJO DE RETALUZADO CUANDO LA ALTURA ENTRE EL PIE DEL TALUD, EN EL MOMENTO DE EFECTUAR EL TRABAJO, Y LA CORONACIÓN DEL MISMO SEA IGUAL O SUPERIOR A 8 m i/CARGA Y TRANSPORTE A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
TOTAL 01.02.....				1.728.310,93
01.03	CALZADAS LATERALES			
01.03.01	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	68394,30	0,57	38.984,75
(300.0010)	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VERTEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
01.03.02	m³ EXCAVACIÓN DE TIERRA VEGETAL	14363,70	2,50	35.909,25
(320.0010)	EXCAVACIÓN DE TIERRA VEGETAL i/ CARGA Y TRANSPORTE A VERTEDERO HASTA UNA DISTANCIA DE 5 km O ACOPIO DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA, DEPOSITO DE TIERRA VEGETAL EN ZONA ADECUADA PARA SU REUTILIZACIÓN Y ACONDICIONAMIENTO Y MANTENIMIENTO DE ACOPIOS, FORMACIÓN Y MANTENIMIENTO DE LOS CABALLEROS.			
01.03.03	m³ EXCAVACIÓN EN DESMONTE EN TIERRA CON MEDIOS MECÁNICOS SIN EXPLOSIVOS	79049,00	2,37	187.346,13
(320.0020)	EXCAVACIÓN EN DESMONTE EN TIERRA CON MEDIOS MECÁNICOS (TIPO EXCAVADORA O SIMILAR) SIN EXPLOSIVOS i/ AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEOS DE DESPRENDIMIENTOS, FORMACIÓN, Y PERFILADO DE CUNETAS, REFINO DE TALUDES, CARGA Y TRANSPORTE A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
01.03.04	m³ EXCAVACIÓN EN DESMONTE EN TRÁNSITO CON MEDIOS MECÁNICOS SIN EXPLOSIVOS	12291,00	2,75	33.800,25
(320.0030)	EXCAVACIÓN EN DESMONTE EN TRÁNSITO CON MEDIOS MECÁNICOS (TIPO RIPPER O SIMILAR) SIN EXPLOSIVOS i/ AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEOS DE DESPRENDIMIENTOS, FORMACIÓN Y PERFILADO DE CUNETAS, REFINO DE TALUDES, CARGA Y TRANSPORTE A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
01.03.05	m³ EXCAVACIÓN EN DESMONTE EN ROCA CON MEDIOS MECÁNICOS SIN EXPLOSIVOS	2076,10	18,74	38.906,11
(320.0110)	EXCAVACIÓN EN DESMONTE EN ROCA CON MEDIOS MECÁNICOS (TIPO MARTILLO HIDRÁULICO) SIN EXPLOSIVOS i/ AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, FORMACIÓN Y PERFILADO DE CUNETAS, REFINO DE TALUDES, CARGA Y TRANSPORTE A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
01.03.06	m3 TERRAPLÉN O PEDRAPLEN O RELLENO TODO-UNO CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN	108357,00	1,10	119.192,70
(330.0020)	TERRAPLÉN, PEDRAPLÉN O RELLENO TODO-UNO CON MATERIALES PROCEDENTES DE LA EXCAVACIÓN, i/ EXTENDIDO, HUMECTACIÓN, NIVELACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE TALUDES TOTALMENTE TERMINADO.			
	(EN CASO DE QUE LOS MATERIALES SEAN PROVISTOS POR LA ADMINISTRACIÓN, SE PAGARÁ, SI PROCEDE, EL SUPLEMENTO DE TRANSPORTE POR LA DISTANCIA ADICIONAL).			
01.03.07	m³ SUELO SELECCIONADO PROCEDENTE DE YACIMIENTO GRANULAR O CANTERA PARA FORMACION DE EXPLANADA	17018,20	9,22	156.907,80
(330.0055)	SUELO SELECCIONADO PROCEDENTE DE YACIMIENTO GRANULAR O CANTERA PARA FORMACIÓN DE EXPLANADA EN CORONACIÓN DE TERRAPLÉN Y EN FONDO DE DESMONTE i/ CANON DE CANTERA, EXCAVACIÓN DEL MATERIAL, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES.			
01.03.08	m³ SUELO ESTABILIZADO "IN SITU" CON CEMENTO, TIPO S-EST3, CON MATERIAL DE CANTERA	18157,80	13,01	236.232,98
(512.0150)	SUELO ESTABILIZADO "IN SITU" CON CEMENTO, TIPO S-EST3 CON MATERIAL DE CANTERA, EXTENDIDO Y COMPACTADO i/ CANON DE CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 5 km, PREPARACIÓN DE LA MEZCLA, HUMECTACIÓN O SECADO Y PREPARACIÓN DE LA SUPERFICIE TOTALMENTE TERMINADO, SIN INCLUIR CONGLOMERANTE.			
01.03.09	t EMULSIÓN C60B3 ADH EN RIEGOS DE ADHERENCIA O C60B3 CUR EN RIEGOS DE CURADO	326,51	624,16	203.796,98
(531.0020)	EMULSIÓN C60B3 ADH EN RIEGOS DE ADHERENCIA O C60B3 CUR EN RIEGOS DE CURADO i/ EL BARRIDO Y LA PREPARACIÓN DE LA SUPERFICIE, TOTALMENTE TERMINADO.			
01.03.10	t CEMENTO PARA ESTABILIZACIÓN DE SUELOS, SUELOCEMENTO O GRAVACEMENTO	1089,47	106,00	115.483,61
(202.0030)	CEMENTO PARA ESTABILIZACIÓN DE SUELOS Y FABRICACIÓN DE SUELOCEMENTO O GRAVACEMENTO, PUESTO A PIE DE OBRA			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
01.03.11	m² REVESTIMIENTO VEGETATIVO DE TALUD CON GEOMALLA TRIDIMENSIONAL DE MONOFILAMENTOS SINTÉTICOS TERMOSOLDADOS, DE 20 A 22 mm DE ESPES	453,00	14,24	6.450,72
(290.0130)	REVESTIMIENTO VEGETATIVO Y/O PROTECCIÓN CONTRA LA PÉRDIDA DE FINOS DEL TALUD CON GEOMALLA TRIDIMENSIONAL DE MONOFILAMENTOS SINTÉTICOS TERMOSOLDADOS, DE 20 A 22 mm DE ESPESOR, FIJADA CON GRAPAS DE ACERO CORRUGADO EN FORMA DE U, DE 10 mm DE DIÁMETRO Y DE 20-10-20 cm, CON PREPARACIÓN DE LA SUPERFICIE DEL TERRENO.			
01.03.12	m² PROTECCIÓN DE TALUDES CON MALLA METÁLICA, UNA DE TRIPLE TORSIÓN, PASO DE MALLA HASTA 80 mm Y DIÁMETRO HASTA 2,4 mm, ANCLADA CON	1539,00	12,86	19.791,54
(342.0040)	PROTECCIÓN DE TALUDES CON MALLA METÁLICA, UNA DE TRIPLE TORSIÓN, PASO DE MALLA HASTA 80 mm Y DIÁMETRO HASTA 2,4 mm, ANCLADA CON BARRAS DE ACERO CORRUGADAS Y SUJETA CON PIQUETAS DE ANCLAJE.			
01.03.13	m³km TRANSPORTE SUPLEMENTARIO DE CUALQUIER TIPO DE MATERIAL	287851,90	0,30	86.355,57
(800.0010)	TRANSPORTE SUPLEMENTARIO DE CUALQUIER TIPO DE MATERIAL PROVENIENTE DE LA EJECUCIÓN DE EXCAVACIONES O PARA LA CONSTRUCCIÓN DE RELLENOS (TERRAPLENES, PEDRAPLENES, TODO-UNO Y LOCALIZADOS), MEDIDO SOBRE PLANOS DE PROYECTO Y AUTORIZADO EXPRESAMENTE POR LA DIRECCIÓN DE OBRA.			
01.03.14	m³ EXCAVACIÓN SUPLEMENTARIA EN RETALUZADO SIN EXPLOSIVOS	1012,80	2,94	2.977,63
(320.0090)	EXCAVACIÓN SUPLEMENTARIA EN RETALUZADO SIN EXPLOSIVOS, CONSIDERÁNDOSE TRABAJO DE RETALUZADO CUANDO LA ALTURA ENTRE EL PIE DEL TALUD, EN EL MOMENTO DE EFECTUAR EL TRABAJO, Y LA CORONACIÓN DEL MISMO SEA IGUAL O SUPERIOR A 8 m i/CARGA Y TRANSPORTE A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
TOTAL 01.03.....				1.282.136,02
01.04	ENLACE CV-35			
01.04.01	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	27485,90	0,57	15.666,96
(300.0010)	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VERTEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
01.04.02	m³ EXCAVACIÓN DE TIERRA VEGETAL	2729,60	2,50	6.824,00
(320.0010)	EXCAVACIÓN DE TIERRA VEGETAL i/ CARGA Y TRANSPORTE A VERTEDERO HASTA UNA DISTANCIA DE 5 km O ACOPIO DEN-			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	TRO DE LA OBRA SEA CUAL SEA LA DISTANCIA, DEPOSITO DE TIERRA VEGETAL EN ZONA ADECUADA PARA SU REUTILIZACIÓN Y ACONDICIONAMIENTO Y MANTENIMIENTO DE ACOPIOS, FORMACIÓN Y MANTENIMIENTO DE LOS CABALLEROS.			
01.04.03	m³ EXCAVACIÓN EN DESMONTE EN TIERRA CON MEDIOS MECÁNICOS SIN EXPLOSIVOS	41355,70	2,37	98.013,01
(320.0020)	EXCAVACIÓN EN DESMONTE EN TIERRA CON MEDIOS MECÁNICOS (TIPO EXCAVADORA O SIMILAR) SIN EXPLOSIVOS i/ AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEOS DE DESPRENDIMIENTOS, FORMACIÓN, Y PERFILADO DE CUNETAS, REFINO DE TALUDES, CARGA Y TRANSPORTE A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
01.04.04	m³ EXCAVACIÓN EN DESMONTE EN TRÁNSITO CON MEDIOS MECÁNICOS SIN EXPLOSIVOS	25977,50	2,75	71.438,13
(320.0030)	EXCAVACIÓN EN DESMONTE EN TRÁNSITO CON MEDIOS MECÁNICOS (TIPO RIPPER O SIMILAR) SIN EXPLOSIVOS i/ AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEOS DE DESPRENDIMIENTOS, FORMACIÓN Y PERFILADO DE CUNETAS, REFINO DE TALUDES, CARGA Y TRANSPORTE A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
01.04.05	m³ EXCAVACIÓN EN DESMONTE EN ROCA CON MEDIOS MECÁNICOS SIN EXPLOSIVOS	4104,00	18,74	76.908,96
(320.0110)	EXCAVACIÓN EN DESMONTE EN ROCA CON MEDIOS MECÁNICOS (TIPO MARTILLO HIDRÁULICO) SIN EXPLOSIVOS i/ AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEOS DE DESPRENDIMIENTOS, FORMACIÓN Y PERFILADO DE CUNETAS, REFINO DE TALUDES, CARGA Y TRANSPORTE A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
01.04.06	m3 TERRAPLÉN O PEDRAPLEN O RELLENO TODO-UNO CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN	32441,20	1,10	35.685,32
(330.0020)	TERRAPLÉN, PEDRAPLÉN O RELLENO TODO-UNO CON MATERIALES PROCEDENTES DE LA EXCAVACIÓN, i/ EXTENDIDO, HUMECTACIÓN, NIVELACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE TALUDES TOTALMENTE TERMINADO.			
	(EN CASO DE QUE LOS MATERIALES SEAN PROVISTOS POR LA ADMINISTRACIÓN, SE PAGARÁ, SI PROCEDE, EL SUPLEMENTO DE TRANSPORTE POR LA DISTANCIA ADICIONAL).			
01.04.07	m³ SUELO SELECCIONADO PROCEDENTE DE YACIMIENTO GRANULAR O CANTERA PARA FORMACION DE EXPLANADA	6326,00	9,22	58.325,72
(330.0055)	SUELO SELECCIONADO PROCEDENTE DE YACIMIENTO GRANULAR O CANTERA PARA FORMACIÓN DE EXPLANADA EN CORONACIÓN DE TERRAPLÉN Y EN FONDO DE DESMONTE i/ CANON DE CANTERA, EXCAVACIÓN DEL MATERIAL, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km,			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES.			
01.04.08	m³ SUELO ESTABILIZADO "IN SITU" CON CEMENTO, TIPO S-EST3, CON MATERIAL DE CANTERA	5987,40	13,01	77.896,07
(512.0150)	SUELO ESTABILIZADO "IN SITU" CON CEMENTO, TIPO S-EST3 CON MATERIAL DE CANTERA, EXTENDIDO Y COMPACTADO i/ CANON DE CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 5 km, PREPARACIÓN DE LA MEZCLA, HUMECTACIÓN O SECADO Y PREPARACIÓN DE LA SUPERFICIE TOTALMENTE TERMINADO, SIN INCLUIR CONGLOMERANTE.			
01.04.09	t EMULSIÓN C60B3 ADH EN RIEGOS DE ADHERENCIA O C60B3 CUR EN RIEGOS DE CURADO	107,67	624,16	67.200,19
(531.0020)	EMULSIÓN C60B3 ADH EN RIEGOS DE ADHERENCIA O C60B3 CUR EN RIEGOS DE CURADO i/ EL BARRIDO Y LA PREPARACIÓN DE LA SUPERFICIE, TOTALMENTE TERMINADO.			
01.04.10	t CEMENTO PARA ESTABILIZACIÓN DE SUELOS, SUELOCEMENTO O GRAVACEMENTO	359,24	106,00	38.079,86
(202.0030)	CEMENTO PARA ESTABILIZACIÓN DE SUELOS Y FABRICACIÓN DE SUELOCEMENTO O GRAVACEMENTO, PUESTO A PIE DE OBRA			
01.04.11	m³km TRANSPORTE SUPLEMENTARIO DE CUALQUIER TIPO DE MATERIAL	136229,10	0,30	40.868,73
(800.0010)	TRANSPORTE SUPLEMENTARIO DE CUALQUIER TIPO DE MATERIAL PROVENIENTE DE LA EJECUCIÓN DE EXCAVACIONES O PARA LA CONSTRUCCIÓN DE RELLENOS (TERRAPLENES, PEDRAPLENES, TODO-UNO Y LOCALIZADOS), MEDIDO SOBRE PLANOS DE PROYECTO Y AUTORIZADO EXPRESAMENTE POR LA DIRECCIÓN DE OBRA.			
01.04.12	m³ EXCAVACIÓN SUPLEMENTARIA EN RETALUZADO SIN EXPLOSIVOS	12406,71	2,94	36.475,73
(320.0090)	EXCAVACIÓN SUPLEMENTARIA EN RETALUZADO SIN EXPLOSIVOS, CONSIDERÁNDOSE TRABAJO DE RETALUZADO CUANDO LA ALTURA ENTRE EL PIE DEL TALUD, EN EL MOMENTO DE EFECTUAR EL TRABAJO, Y LA CORONACIÓN DEL MISMO SEA IGUAL O SUPERIOR A 8 m i/CARGA Y TRANSPORTE A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
TOTAL 01.04.....				623.382,68

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
01.05	REPOSICIÓN DE CAMINOS			
01.05.01	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	52438,00	0,57	29.889,66
(300.0010)	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VERTEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
01.05.02	m³ EXCAVACIÓN EN DESMONTE EN TIERRA CON MEDIOS MECÁNICOS SIN EXPLOSIVOS	31585,80	2,37	74.858,35
(320.0020)	EXCAVACIÓN EN DESMONTE EN TIERRA CON MEDIOS MECÁNICOS (TIPO EXCAVADORA O SIMILAR) SIN EXPLOSIVOS i/ AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, FORMACIÓN, Y PERFILADO DE CUNETAS, REFINO DE TALUDES, CARGA Y TRANSPORTE A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
01.05.03	m3 TERRAPLÉN O PEDRAPLEN O RELLENO TODO-UNO CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN	30169,40	1,10	33.186,34
(330.0020)	TERRAPLÉN, PEDRAPLÉN O RELLENO TODO-UNO CON MATERIALES PROCEDENTES DE LA EXCAVACIÓN, i/ EXTENDIDO, HUMECTACIÓN, NIVELACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE TALUDES TOTALMENTE TERMINADO. (EN CASO DE QUE LOS MATERIALES SEAN PROVISTOS POR LA ADMINISTRACIÓN, SE PAGARÁ, SI PROCEDE, EL SUPLEMENTO DE TRANSPORTE POR LA DISTANCIA ADICIONAL).			
01.05.04	m³ SUELO SELECCIONADO PROCEDENTE DE YACIMIENTO GRANULAR O CANTERA PARA FORMACION DE EXPLANADA	15810,20	9,22	145.770,04
(330.0055)	SUELO SELECCIONADO PROCEDENTE DE YACIMIENTO GRANULAR O CANTERA PARA FORMACIÓN DE EXPLANADA EN CORONACIÓN DE TERRAPLÉN Y EN FONDO DE DESMONTE i/ CANON DE CANTERA, EXCAVACIÓN DEL MATERIAL, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES.			
01.05.05	m³ SUELO ESTABILIZADO "IN SITU" CON CEMENTO, TIPO S-EST3, CON MATERIAL DE CANTERA	1179,00	13,01	15.338,79
(512.0150)	SUELO ESTABILIZADO "IN SITU" CON CEMENTO, TIPO S-EST3 CON MATERIAL DE CANTERA, EXTENDIDO Y COMPACTADO i/ CANON DE CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 5 km, PREPARACIÓN DE LA MEZCLA, HUMECTACIÓN O SECADO Y PREPARACIÓN DE LA SUPERFICIE TOTALMENTE TERMINADO, SIN INCLUIR CONGLOMERANTE.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
01.05.06	t EMULSIÓN C60B3 ADH EN RIEGOS DE ADHERENCIA O C60B3 CUR EN RIEGOS DE CURADO	21,20	624,16	13.232,82
(531.0020)	EMULSIÓN C60B3 ADH EN RIEGOS DE ADHERENCIA O C60B3 CUR EN RIEGOS DE CURADO i/ EL BARRIDO Y LA PREPARACIÓN DE LA SUPERFICIE, TOTALMENTE TERMINADO.			
01.05.07	t CEMENTO PARA ESTABILIZACIÓN DE SUELOS, SUELOCEMENTO O GRAVACEMENTO	70,74	106,00	7.498,44
(202.0030)	CEMENTO PARA ESTABILIZACIÓN DE SUELOS Y FABRICACIÓN DE SUELOCEMENTO O GRAVACEMENTO, PUESTO A PIE DE OBRA			
01.05.08	m³km TRANSPORTE SUPLEMENTARIO DE CUALQUIER TIPO DE MATERIAL	118924,40	0,30	35.677,32
(800.0010)	TRANSPORTE SUPLEMENTARIO DE CUALQUIER TIPO DE MATERIAL PROVENIENTE DE LA EJECUCIÓN DE EXCAVACIONES O PARA LA CONSTRUCCIÓN DE RELLENOS (TERRAPLENES, PEDRAPLENES, TODO-UNO Y LOCALIZADOS), MEDIDO SOBRE PLANOS DE PROYECTO Y AUTORIZADO EXPRESAMENTE POR LA DIRECCIÓN DE OBRA.			
01.05.09	m³ SUELO ADECUADO PROCEDENTE DE YACIMIENTO GRANULAR O CANTERA PARA FORMACIÓN DE EXPLANADA	567,50	8,56	4.857,80
(330.0045)	SUELO ADECUADO PROCEDENTE DE YACIMIENTO GRANULAR O CANTERA PARA FORMACIÓN DE EXPLANADA EN CORONACIÓN DE TERRAPLÉN Y EN FONDO DE DESMONTE i/ CANON DE PRÉSTAMO, EXCAVACIÓN DEL MATERIAL, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES.			
TOTAL 01.05.....				360.309,56
01.06	ENCAUZAMIENTO BARRANCO TRAVESSAT			
01.06.01	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	9898,40	0,57	5.642,09
(300.0010)	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VERTEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
01.06.02	m³ EXCAVACIÓN DE TIERRA VEGETAL	975,10	2,50	2.437,75
(320.0010)	EXCAVACIÓN DE TIERRA VEGETAL i/ CARGA Y TRANSPORTE A VERTEDERO HASTA UNA DISTANCIA DE 5 km O ACOPIO DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA, DEPOSITO DE TIERRA VEGETAL EN ZONA ADECUADA PARA SU REUTILIZACIÓN Y ACONDICIONAMIENTO Y MANTENIMIENTO DE ACO-			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
PIOS, FORMACIÓN Y MANTENIMIENTO DE LOS CABALLEROS.				
01.06.03	m³ EXCAVACIÓN EN DESMONTE EN TIERRA CON MEDIOS MECÁNICOS SIN EXPLOSIVOS	38747,20	2,37	91.830,86
(320.0020)	EXCAVACIÓN EN DESMONTE EN TIERRA CON MEDIOS MECÁNICOS (TIPO EXCAVADORA O SIMILAR) SIN EXPLOSIVOS i/ AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, FORMACIÓN, Y PERFILADO DE CUNETAS, REFINO DE TALUDES, CARGA Y TRANSPORTE A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
01.06.04	m³ EXCAVACIÓN EN DESMONTE EN TRÁNSITO CON MEDIOS MECÁNICOS SIN EXPLOSIVOS	9686,80	2,75	26.638,70
(320.0030)	EXCAVACIÓN EN DESMONTE EN TRÁNSITO CON MEDIOS MECÁNICOS (TIPO RIPPER O SIMILAR) SIN EXPLOSIVOS i/ AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, FORMACIÓN Y PERFILADO DE CUNETAS, REFINO DE TALUDES, CARGA Y TRANSPORTE A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
01.06.05	m³km TRANSPORTE SUPLEMENTARIO DE CUALQUIER TIPO DE MATERIAL	12467,00	0,30	3.740,10
(800.0010)	TRANSPORTE SUPLEMENTARIO DE CUALQUIER TIPO DE MATERIAL PROVENIENTE DE LA EJECUCIÓN DE EXCAVACIONES O PARA LA CONSTRUCCIÓN DE RELLENOS (TERRAPLENES, PEDRAPLENES, TODO-UNO Y LOCALIZADOS), MEDIDO SOBRE PLANOS DE PROYECTO Y AUTORIZADO EXPRESAMENTE POR LA DIRECCIÓN DE OBRA.			
TOTAL 01.06.....				130.289,50
TOTAL 01				4.459.694,38

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
02	DRENAJE			
02.01	DRENAJE TRANSVERSAL			
02.01.01	ODT 0170_E18			
02.01.01.01	TIERRAS			
02.01.01.01.01	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	187,65	0,57	106,96
(300.0010)	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VERTEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
02.01.01.01.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	165,04	6,70	1.105,77
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
02.01.01.01.03	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA	129,60	8,45	1.095,12
(332.0050)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMOS, YACIMIENTO GRANULAR Y/O CANTERA, i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
02.01.01.01.04	m³ RELLENO LOCALIZADO CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR O CANTERA, TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN	49,50	24,39	1.207,31
(332.0010)	RELLENO LOCALIZADO CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR O CANTERA, TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN i/ CANON DE MATERIAL Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km.			
02.01.01.01.05	m³ SUELO SELECCIONADO PROCEDENTE DE PRÉSTAMO PARA FORMACIÓN DE EXPLANADA	250,80	6,74	1.690,39
(330.0050)	SUELO SELECCIONADO PROCEDENTE DE PRÉSTAMO PARA FORMACIÓN DE EXPLANADA EN CORONACIÓN DE TERRAPLÉN Y EN FONDO DE DESMONTE i/ CANON DE CANTERA, EXCAVACIÓN			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
DEL MATERIAL, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES.				
TOTAL 02.01.01.01				5.205,55
02.01.01.02	ALZADOS+LOSAS			
02.01.01.02.01	m³ DEMOLICIÓN DE FÁBRICA HORMIGÓN ARMADO	8,79	33,07	290,69
(301.0020)	DEMOLICIÓN DE FÁBRICA HORMIGÓN ARMADO i/ DESESCOMBRO, CARGA Y TRANSPORTE DE MATERIAL DEMOLIDO A GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.			
02.01.01.02.02	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	70,56	113,62	8.017,03
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
02.01.01.02.03	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS	37,23	109,05	4.059,93
(610.0060)	HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS.			
02.01.01.02.04	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	10604,00	1,81	19.193,24
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
02.01.01.02.05	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA	7,44	66,48	494,61
(610.0010)	HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.			
02.01.01.02.06	m² ENCOFRADO OCULTO PLANO	120,65	28,44	3.431,29
(680.0010)	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
02.01.01.02.07	m² ENCOFRADO VISTO PLANO	137,08	33,91	4.648,38
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHIHEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
02.01.01.02.08	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA	110,42	29,17	3.220,95
(690.0050)	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, ALERTAS?) CON LÁMINA ASFÁLTICA. CONSTITUÍDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOPLETE AL SOPORTE PREVIAMENTE IMPRIMADO (SOLAPES DE 8 cm MÍNIMO); LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHERIDA AL SOPORTE CON SOPLETE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CORRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEXTIL. LISTA PARA VERTER TIERRAS.			
02.01.01.02.09	m² SUMINISTRO Y COLOCACIÓN DE GEOTEXTIL NO TEJIDO TIPO 4 COMO FILTRO	110,42	3,56	393,10
(290.0040)	GEOTEXTIL FORMADO 100 % POR FIBRAS DE PROLIPROPILENO VIRGEN TIPO 4 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 6,5 kN/m HASTA 7,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 6,5 kN/m HASTA 7,3 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA DESDE 50% HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA DESDE 55% HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1110 N HASTA 1230 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 33 mm HASTA 31 mm Y PERMEABILIDAD AL AGUA DESDE 3,5 10-6/m²/s HASTA 4,5 10-6/m²/s.			
02.01.01.02.10	m³ CIMBRA CUAJADA	99,00	12,21	1.208,79
(681.0010)	CIMBRA CUAJADA i/ PROYECTO, PREPARACIÓN DE LA SUPERFICIE DE APOYO, NIVELACIÓN Y APUNTALAMIENTO DE LA CIMBRA, PRUEBAS DE CARGA, TRANSPORTES, MONTAJE Y DESMONTAJE, TOTALMENTE TERMINADA Y MONTADA.			
02.01.01.02.11	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP	82,32	2,32	190,98
(690.0070)	PINTADO DE IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIÓNICA AL 50% DE BETÚN, C50 BF5 IMP.			
TOTAL 02.01.01.02				45.148,99
TOTAL 02.01.01				50.354,54
02.01.02	ODT 0170_E18_1			
02.01.02.01	TIERRAS			
02.01.02.01.01	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	193,05	0,57	110,04
(300.0010)	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VERTEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
02.01.02.01.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	169,51	6,70	1.135,72
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTOS			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	TO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
02.01.02.01.03	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA	132,43	8,45	1.119,03
(332.0050)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMOS, YACIMIENTO GRANULAR Y/O CANTERA, I/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
02.01.02.01.04	m³ RELLENO LOCALIZADO CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR O CANTERA, TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN	43,65	24,39	1.064,62
(332.0010)	RELLENO LOCALIZADO CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR O CANTERA, TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN I/ CANON DE MATERIAL Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km.			
02.01.02.01.05	m³ SUELO SELECCIONADO PROCEDENTE DE PRÉSTAMO PARA FORMACIÓN DE EXPLANADA	221,16	6,74	1.490,62
(330.0050)	SUELO SELECCIONADO PROCEDENTE DE PRÉSTAMO PARA FORMACIÓN DE EXPLANADA EN CORONACIÓN DE TERRAPLÉN Y EN FONDO DE DESMONTE I/ CANON DE CANTERA, EXCAVACIÓN DEL MATERIAL, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES.			
TOTAL 02.01.02.01				4.920,03
02.01.02.02	ALZADOS + LOSAS			
02.01.02.02.01	m³ DEMOLICIÓN DE FÁBRICA HORMIGÓN ARMADO	16,73	33,07	553,26
(301.0020)	DEMOLICIÓN DE FÁBRICA HORMIGÓN ARMADO I/ DESESCOMBRO, CARGA Y TRANSPORTE DE MATERIAL DEMOLIDO A GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.			
02.01.02.02.02	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	66,89	113,62	7.600,04
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
RD6373-F3-PR-LE-D04				8

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
02.01.02.02.03	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS	37,14	109,05	4.050,12
(610.0060)	HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS.			
02.01.02.02.04	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	10067,60	1,81	18.222,36
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, I/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
02.01.02.02.05	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA	7,43	66,48	493,95
(610.0010)	HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.			
02.01.02.02.06	m² ENCOFRADO OCULTO PLANO	123,05	28,44	3.499,54
(680.0010)	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO I/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
02.01.02.02.07	m² ENCOFRADO VISTO PLANO	133,72	33,91	4.534,45
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHIHEMBRA I/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
02.01.02.02.08	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA	109,01	29,17	3.179,82
(690.0050)	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, ALERTAS?) CON LÁMINA ASFÁLTICA. CONSTITUIDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOPLETE AL SOPORTE PREVIAMENTE IMPRIMADO (SOLAPES DE 8 cm MÍNIMO): LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHERIDA AL SOPORTE CON SOPLETE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CORRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEXTIL. LISTA PARA VERTER TIERRAS.			
02.01.02.02.09	m² SUMINISTRO Y COLOCACIÓN DE GEOTEXTIL NO TEJIDO TIPO 4 COMO FILTRO	109,01	3,56	388,08
(290.0040)	GEOTEXTIL FORMADO 100 % POR FIBRAS DE PROLIPROPILENO VIRGEN TIPO 4 I/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 6,5 kN/m HASTA 7,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 6,5 kN/m HASTA 7,3 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA DESDE 50% HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA DESDE 55% HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1110 N HASTA 1230 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 33 mm HASTA 31 mm Y PERMEABILIDAD AL AGUA DESDE 3,5 10-6/m²/s HASTA 4,5 10-6/m²/s.			
RD6373-F3-PR-LE-D04				8

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
02.01.02.02.10	m³ CIBRA CUAJADA	87,30	12,21	1.065,93
(681.0010)	CIBRA CUAJADA i/ PROYECTO, PREPARACIÓN DE LA SUPERFICIE DE APOYO, NI- VELACIÓN Y APUNTALAMIENTO DE LA CIBRA, PRUEBAS DE CARGA, TRANSPOR- TES, MONTAJE Y DESMONTAJE, TOTALMENTE TERMINADA Y MONTADA.			
02.01.02.02.11	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP	83,03	2,32	192,63
(690.0070)	PINTADO DE IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINO- SA CATIÓNICA AL 50% DE BETÚN, C50 BF5 IMP.			
TOTAL 02.01.02.02				43.780,18
TOTAL 02.01.02				48.700,21

02.01.03 ODT 1220

02.01.03.01 TIERRAS

02.01.03.01.01	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	877,07	0,57	499,93
(300.0010)	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VER- TEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DIS- TANCIA.			
02.01.03.01.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	801,30	6,70	5.368,71
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSI- TO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA AN- CHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIEN- TO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
02.01.03.01.03	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA	585,80	8,45	4.950,01
(332.0050)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCE- DENTE DE PRÉSTAMOS, YACIMIENTO GRANULAR Y/O CANTERA, i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMI- NACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
02.01.03.01.04	m³ RELLENO LOCALIZADO CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR O CANTERA, TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN	199,13	24,39	4.856,78
(332.0010)	RELLENO LOCALIZADO CON MATERIAL PROCE- DENTE DE PRÉSTAMO, YACIMIENTO GRANULAR O CANTERA, TRATADO CON CEMENTO EN CU- ÑAS DE TRANSICIÓN i/ CANON DE MATERIAL Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
DISTANCIA DE 5 km.				
02.01.03.01.05	m³ SUELO SELECCIONADO PROCEDENTE DE PRÉSTAMO PARA FORMACIÓN DE EXPLANADA	1034,94	6,74	6.975,50
(330.0050)	SUELO SELECCIONADO PROCEDENTE DE PRÉSTA- MO PARA FORMACIÓN DE EXPLANADA EN CO- RONACIÓN DE TERRAPLÉN Y EN FONDO DE DES- MONTE i/ CANON DE CANTERA, EXCAVACIÓN DEL MATERIAL, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EX- TENDIDO, HUMECTACIÓN, COMPACTACIÓN, TER- MINACIÓN Y REFINO DE LA SUPERFICIE DE LA CO- RONACIÓN Y REFINO DE TALUDES.			
TOTAL 02.01.03.01				22.650,93

02.01.03.02 ALZADO + LOSAS

02.01.03.02.01	m³ DEMOLICIÓN DE FÁBRICA HORMIGÓN ARMADO	53,16	33,07	1.758,00
(301.0020)	DEMOLICIÓN DE FÁBRICA HORMIGÓN ARMADO i/ DESESCOMBRO, CARGA Y TRANSPORTE DE MATERIAL DEMOLIDO A GESTOR AUTORIZADO HASTA UNA DIS- TANCIA DE 60 km.			
02.01.03.02.02	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	485,50	113,62	55.162,51
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TA- BLEROS, LOSAS, MUROS Y MARCOS.			
02.01.03.02.03	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS	289,12	109,05	31.528,54
(610.0060)	HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS.			
02.01.03.02.04	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	76250,80	1,81	138.013,95
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DO- BLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RE- COCIDO Y SEPARADORES.			
02.01.03.02.05	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA	49,53	66,48	3.292,75
(610.0010)	HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.			
02.01.03.02.06	m² ENCOFRADO OCULTO PLANO	585,41	28,44	16.649,06
(680.0010)	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCO- FRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECU- CIÓN.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
02.01.03.02.07	m² ENCOFRADO VISTO PLANO	724,47	33,91	24.566,78
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHIHEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
02.01.03.02.08	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA	508,18	29,17	14.823,61
(690.0050)	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, AL-TAS?) CON LÁMINA ASFÁLTICA. CONSTITUÍDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOPLETE AL SOPORTE PREVIAMENTE IMPRIMADO (SOLAPES DE 8 cm MÍNIMO); LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHE-RIDA AL SOPORTE CON SOPLETE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CO-RRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEX-TIL. LISTA PARA VERTER TIERRAS.			
02.01.03.02.09	m² SUMINISTRO Y COLOCACIÓN DE GEOTEXTIL NO TEJIDO TIPO 4 COMO FILTRO	456,18	3,56	1.624,00
(290.0040)	GEOTEXTIL FORMADO 100 % POR FIBRAS DE PROLIPROPILENO VIRGEN TIPO 4 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIEN-TES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 6,5 kN/m HASTA 7,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 6,5 kN/m HASTA 7,3 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA DESDE 50% HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA DESDE 55% HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1110 N HASTA 1230 N, PERFORA-CIÓN DINÁMICA (CAIDA CONO) DESDE 33 mm HASTA 31 mm Y PERMEABILIDAD AL AGUA DESDE 3,5 10-6/m²/s HASTA 4,5 10-6/m²/s.			
02.01.03.02.10	m³ CIMBRA CUAJADA	778,24	12,21	9.502,31
(681.0010)	CIMBRA CUAJADA i/ PROYECTO, PREPARACIÓN DE LA SUPERFICIE DE APOYO, NI-VELACIÓN Y APUNTALAMIENTO DE LA CIMBRA, PRUEBAS DE CARGA, TRANSPOR-TES, MONTAJE Y DESMONTAJE, TOTALMENTE TERMINADA Y MONTADA.			
02.01.03.02.11	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP	520,72	2,32	1.208,07
(690.0070)	PINTADO DE IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINO-SA CATIÓNICA AL 50% DE BETÚN, C50 BF5 IMP.			
TOTAL 02.01.03.02				298.129,58
TOTAL 02.01.03				320.780,51
02.01.04	ODT 1220_D			
02.01.04.01	TIERRAS			
02.01.04.01.01	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	358,25	0,57	204,20
(300.0010)	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VER-TEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DIS-TANCIA.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
02.01.04.01.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	315,47	6,70	2.113,65
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSI-TO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA AN-CHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIEN-TO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
02.01.04.01.03	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA	228,09	8,45	1.927,36
(332.0050)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCE-DENTE DE PRÉSTAMOS, YACIMIENTO GRANULAR Y/O CANTERA, i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMI-NACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
02.01.04.01.04	m³ RELLENO LOCALIZADO CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR O CANTERA, TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN	73,83	24,39	1.800,71
(332.0010)	RELLENO LOCALIZADO CON MATERIAL PROCE-DENTE DE PRÉSTAMO, YACIMIENTO GRANULAR O CANTERA, TRATADO CON CEMENTO EN CU-ÑAS DE TRANSICIÓN i/ CANON DE MATERIAL Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km.			
02.01.04.01.05	m³ SUELO SELECCIONADO PROCEDENTE DE PRÉSTAMO PARA FORMACIÓN DE EXPLANADA	385,06	6,74	2.595,30
(330.0050)	SUELO SELECCIONADO PROCEDENTE DE PRÉSTA-MO PARA FORMACIÓN DE EXPLANADA EN CO-RONACIÓN DE TERRAPLÉN Y EN FONDO DE DES-MONTE i/ CANON DE CANTERA, EXCAVACIÓN DEL MATERIAL, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EX-TENDIDO, HUMECTACIÓN, COMPACTACIÓN, TER-MINACIÓN Y REFINO DE LA SUPERFICIE DE LA CO-RONACIÓN Y REFINO DE TALUDES.			
TOTAL 02.01.04.01				8.641,22

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
02.01.04.02	ALZADO + LOSAS			
02.01.04.02.01	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	188,96	113,62	21.469,64
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
02.01.04.02.02	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS	118,85	109,05	12.960,59
(610.0060)	HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS.			
02.01.04.02.03	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	30200,00	1,81	54.662,00
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
02.01.04.02.04	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA	19,13	66,48	1.271,76
(610.0010)	HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.			
02.01.04.02.05	m² ENCOFRADO OCULTO PLANO	212,01	28,44	6.029,56
(680.0010)	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
02.01.04.02.06	m² ENCOFRADO VISTO PLANO	298,96	33,91	10.137,73
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHIHEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
02.01.04.02.07	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA	184,92	29,17	5.394,12
(690.0050)	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, ALTAS?) CON LÁMINA ASFÁLTICA. CONSTITUÍDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOPLETE AL SOPORTE PREVIAMENTE IMPRIMADO (SOLAPES DE 8 cm MÍNIMO); LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHERIDA AL SOPORTE CON SOPLETE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CORRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEXTIL. LISTA PARA VERTER TIERRAS.			
02.01.04.02.08	m² SUMINISTRO Y COLOCACIÓN DE GEOTEXTIL NO TEJIDO TIPO 4 COMO FILTRO	184,92	3,56	658,32
(290.0040)	GEOTEXTIL FORMADO 100 % POR FIBRAS DE PROLIPROPILENO VIRGEN TIPO 4 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 6,5 kN/m HASTA 7,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 6,5 kN/m HASTA 7,3 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA DESDE 50% HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA DESDE 55% HASTA			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1110 N HASTA 1230 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 33 mm HASTA 31 mm Y PERMEABILIDAD AL AGUA DESDE 3,5 10-6/m²/s HASTA 4,5 10-6/m²/s.			
02.01.04.02.09	m³ CIMBRA CUAJADA	303,60	12,21	3.706,96
(681.0010)	CIMBRA CUAJADA i/ PROYECTO, PREPARACIÓN DE LA SUPERFICIE DE APOYO, NIVELACIÓN Y APUNTALAMIENTO DE LA CIMBRA, PRUEBAS DE CARGA, TRANSPORTES, MONTAJE Y DESMONTAJE, TOTALMENTE TERMINADA Y MONTADA.			
02.01.04.02.10	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP	219,29	2,32	508,75
(690.0070)	PINTADO DE IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIÓNICA AL 50% DE BETÚN, C50 BF5 IMP.			
TOTAL 02.01.04.02				116.799,43
TOTAL 02.01.04				125.440,65
02.01.05	ODT 1500			
02.01.05.01	TIERRAS			
02.01.05.01.01	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	376,70	0,57	214,72
(300.0010)	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VERTEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
02.01.05.01.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	343,82	6,70	2.303,59
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
02.01.05.01.03	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA	263,54	8,45	2.226,91
(332.0050)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMOS, YACIMIENTO GRANULAR Y/O CANTERA, i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
02.01.05.01.04	m³ RELLENO LOCALIZADO CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR O CANTERA, TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN	118,44	24,39	2.888,75
(332.0010)	RELLENO LOCALIZADO CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	O CANTERA, TRATADO CON CEMENTO EN CU- ÑAS DE TRANSICIÓN i/ CANON DE MATERIAL Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km.			
02.01.05.01.05	m³ SUELO SELECCIONADO PROCEDENTE DE PRÉSTAMO PARA FORMACIÓN DE EXPLANADA	582,66	6,74	3.927,13
(330.0050)	SUELO SELECCIONADO PROCEDENTE DE PRÉSTA- MO PARA FORMACIÓN DE EXPLANADA EN CO- RONACIÓN DE TERRAPLÉN Y EN FONDO DE DES- MONTE i/ CANON DE CANTERA, EXCAVACIÓN DEL MATERIAL, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EX- TENDIDO, HUMECTACIÓN, COMPACTACIÓN, TER- MINACIÓN Y REFINO DE LA SUPERFICIE DE LA CO- RONACIÓN Y REFINO DE TALUDES.			
TOTAL 02.01.05.01				11.561,10
02.01.05.02	ALZADO + LOSAS			
02.01.05.02.01	m³ DEMOLICIÓN DE FÁBRICA HORMIGÓN ARMADO	19,99	33,07	661,07
(301.0020)	DEMOLICIÓN DE FÁBRICA HORMIGÓN ARMADO i/ DESESCOMBRO, CARGA Y TRANSPORTE DE MATERIAL DEMOLIDO A GESTOR AUTORIZADO HASTA UNA DIS- TANCIA DE 60 km.			
02.01.05.02.02	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	167,71	113,62	19.055,21
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TA- BLEROS, LOSAS, MUROS Y MARCOS.			
02.01.05.02.03	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS	74,13	109,05	8.083,88
(610.0060)	HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS.			
02.01.05.02.04	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	23288,80	1,81	42.152,73
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DO- BLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RE- COCIDO Y SEPARADORES.			
02.01.05.02.05	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA	18,05	66,48	1.199,96
(610.0010)	HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
02.01.05.02.06	m² ENCOFRADO OCULTO PLANO	416,96	28,44	11.858,34
(680.0010)	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCO- FRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECU- CIÓN.			
02.01.05.02.07	m² ENCOFRADO VISTO PLANO	331,50	33,91	11.241,17
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRA- DO, EJECUTADO CON MADERA MACHIHEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PA- RA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
02.01.05.02.08	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA	104,70	29,17	3.054,10
(690.0050)	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, ALE- TAS?) CON LÁMINA ASFÁLTICA. CONSTITUÍDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOPLETE AL SOPORTE PREVIAMENTE IMPRIMADO (SOLAPES DE 8 cm MÍNIMO); LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHE- RIDA AL SOPORTE CON SOPLETE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CO- RRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEX- TIL. LISTA PARA VERTER TIERRAS.			
02.01.05.02.09	m² SUMINISTRO Y COLOCACIÓN DE GEOTEXTIL NO TEJIDO TIPO 4 COMO FILTRO	263,67	3,56	938,67
(290.0040)	GEOTEXTIL FORMADO 100 % POR FIBRAS DE PROLIPROPILENO VIRGEN TIPO 4 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIEN- TES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 6,5 kN/m HASTA 7,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 6,5 kN/m HASTA 7,3 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA DESDE 50% HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA DESDE 55% HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1110 N HASTA 1230 N, PERFORA- CIÓN DINÁMICA (CAIDA CONO) DESDE 33 mm HASTA 31 mm Y PERMEABILIDAD AL AGUA DESDE 3,5 10-6/m²/s HASTA 4,5 10-6/m²/s.			
02.01.05.02.10	m³ CIMBRA CUAJADA	254,70	12,21	3.109,89
(681.0010)	CIMBRA CUAJADA i/ PROYECTO, PREPARACIÓN DE LA SUPERFICIE DE APOYO, NI- VELACIÓN Y APUNTALAMIENTO DE LA CIMBRA, PRUEBAS DE CARGA, TRANSPOR- TES, MONTAJE Y DESMONTAJE, TOTALMENTE TERMINADA Y MONTADA.			
02.01.05.02.11	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP	424,98	2,32	985,95
(690.0070)	PINTADO DE IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINO- SA CATIÓNICA AL 50% DE BETÚN, C50 BF5 IMP.			
TOTAL 02.01.05.02				102.340,97
TOTAL 02.01.05.....				113.902,07

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
02.01.06	ODT 1500_D			
02.01.06.01	TIERRAS			
02.01.06.01.01	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	192,06	0,57	109,47
(300.0010)	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VERTEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
02.01.06.01.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	159,04	6,70	1.065,57
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
02.01.06.01.03	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA	123,21	8,45	1.041,12
(332.0050)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMOS, YACIMIENTO GRANULAR Y/O CANTERA, i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
02.01.06.01.04	m³ RELLENO LOCALIZADO CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR O CANTERA, TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN	44,92	24,39	1.095,60
(332.0010)	RELLENO LOCALIZADO CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR O CANTERA, TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN i/ CANON DE MATERIAL Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km.			
02.01.06.01.05	m³ SUELO SELECCIONADO PROCEDENTE DE PRÉSTAMO PARA FORMACIÓN DE EXPLANADA	220,99	6,74	1.489,47
(330.0050)	SUELO SELECCIONADO PROCEDENTE DE PRÉSTAMO PARA FORMACIÓN DE EXPLANADA EN CORONACIÓN DE TERRAPLÉN Y EN FONDO DE DESMONTE i/ CANON DE CANTERA, EXCAVACIÓN DEL MATERIAL, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TER-			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
MINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES.				
TOTAL 02.01.06.01				4.801,23
02.01.06.02	ALZADO + LOSAS			
02.01.06.02.01	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	60,03	113,62	6.820,61
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
02.01.06.02.02	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS	33,55	109,05	3.658,63
(610.0060)	HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS.			
02.01.06.02.03	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	8980,40	1,81	16.254,52
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
02.01.06.02.04	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA	7,94	66,48	527,85
(610.0010)	HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.			
02.01.06.02.05	m² ENCOFRADO OCULTO PLANO	131,09	28,44	3.728,20
(680.0010)	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
02.01.06.02.06	m² ENCOFRADO VISTO PLANO	147,99	33,91	5.018,34
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHICHEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
02.01.06.02.07	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA	29,23	29,17	852,64
(690.0050)	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, ALERTAS?) CON LÁMINA ASFÁLTICA. CONSTITUÍDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOPLETE AL SOPORTE PREVIAMENTE IMPRIMADO (SOLAPES DE 8 cm MÍNIMO); LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHERIDA AL SOPORTE CON SOPLETE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CORRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEXTIL. LISTA PARA VERTER TIERRAS.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
02.01.06.02.08	m² SUMINISTRO Y COLOCACIÓN DE GEOTEXTIL NO TEJIDO TIPO 4 COMO FILTRO	114,68	3,56	408,26
(290.0040)	GEOTEXTIL FORMADO 100 % POR FIBRAS DE PROLIPROPILENO VIRGEN TIPO 4 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 6,5 kN/m HASTA 7,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 6,5 kN/m HASTA 7,3 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA DESDE 50% HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA DESDE 55% HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1110 N HASTA 1230 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 33 mm HASTA 31 mm Y PERMEABILIDAD AL AGUA DESDE 3,5 10-6/m²/s HASTA 4,5 10-6/m²/s.			
02.01.06.02.09	m³ CIBRA CUAJADA	96,60	12,21	1.179,49
(681.0010)	CIBRA CUAJADA i/ PROYECTO, PREPARACIÓN DE LA SUPERFICIE DE APOYO, NIVELACIÓN Y APUNTALAMIENTO DE LA CIBRA, PRUEBAS DE CARGA, TRANSPORTES, MONTAJE Y DESMONTAJE, TOTALMENTE TERMINADA Y MONTADA.			
02.01.06.02.10	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP	175,86	2,32	408,00
(690.0070)	PINTADO DE IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIÓNICA AL 50% DE BETÚN, C50 BF5 IMP.			
TOTAL 02.01.06.02				38.856,54
TOTAL 02.01.06				43.657,77

02.01.07 ODT 2220

02.01.07.01 TIERRAS

02.01.07.01.01	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	786,28	0,57	448,18
(300.0010)	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VERTEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
02.01.07.01.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	735,81	6,70	4.929,93
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
02.01.07.01.03	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA	529,11	8,45	4.470,98
(332.0050)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMOS, YACIMIENTO GRANULAR Y/O CANTERA, i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	(EN SU CASO).			
02.01.07.01.04	m³ RELLENO LOCALIZADO CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR O CANTERA, TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN	201,30	24,39	4.909,71
(332.0010)	RELLENO LOCALIZADO CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR O CANTERA, TRATADO CON CEMENTO EN CUÑAS DE TRANSICIÓN i/ CANON DE MATERIAL Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km.			
02.01.07.01.05	m³ SUELO SELECCIONADO PROCEDENTE DE PRÉSTAMO PARA FORMACIÓN DE EXPLANADA	1034,25	6,74	6.970,85
(330.0050)	SUELO SELECCIONADO PROCEDENTE DE PRÉSTAMO PARA FORMACIÓN DE EXPLANADA EN CORONACIÓN DE TERRAPLÉN Y EN FONDO DE DESMONTE i/ CANON DE CANTERA, EXCAVACIÓN DEL MATERIAL, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES.			
TOTAL 02.01.07.01				21.729,65

02.01.07.02 ALZADO + LOSAS

02.01.07.02.01	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	499,71	113,62	56.777,05
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
02.01.07.02.02	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS	282,23	109,05	30.777,18
(610.0060)	HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS.			
02.01.07.02.03	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	77746,00	1,81	140.720,26
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
02.01.07.02.04	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA	51,68	66,48	3.435,69
(610.0010)	HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
02.01.07.02.05	m² ENCOFRADO OCULTO PLANO	540,73	28,44	15.378,36
(680.0010)	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
02.01.07.02.06	m² ENCOFRADO VISTO PLANO	997,24	33,91	33.816,41
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHIHEMBRA DA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
02.01.07.02.07	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA	402,00	29,17	11.726,34
(690.0050)	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, AL ETAS?) CON LÁMINA ASFÁLTICA. CONSTITUÍDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOPLETE AL SOPORTE PREVIAMENTE IMPRIMADO (SOLAPES DE 8 cm MÍNIMO); LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHERIDA AL SOPORTE CON SOPLETE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CORRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEXTIL. LISTA PARA VERTER TIERRAS.			
02.01.07.02.08	m² SUMINISTRO Y COLOCACIÓN DE GEOTEXTIL NO TEJIDO TIPO 4 COMO FILTRO	402,00	3,56	1.431,12
(290.0040)	GEOTEXTIL FORMADO 100 % POR FIBRAS DE PROLIPROPILENO VIRGEN TIPO 4 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 6,5 kN/m HASTA 7,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 6,5 kN/m HASTA 7,3 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA DESDE 50% HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA DESDE 55% HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1110 N HASTA 1230 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 33 mm HASTA 31 mm Y PERMEABILIDAD AL AGUA DESDE 3,5 10-6/m²/s HASTA 4,5 10-6/m²/s.			
02.01.07.02.09	m³ CIBRA CUAJADA	903,50	12,21	11.031,74
(681.0010)	CIBRA CUAJADA i/ PROYECTO, PREPARACIÓN DE LA SUPERFICIE DE APOYO, NIVELACIÓN Y APUNTALAMIENTO DE LA CIBRA, PRUEBAS DE CARGA, TRANSPORTES, MONTAJE Y DESMONTAJE, TOTALMENTE TERMINADA Y MONTADA.			
02.01.07.02.10	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP	584,21	2,32	1.355,37
(690.0070)	PINTADO DE IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIÓNICA AL 50% DE BETÚN, C50 BF5 IMP.			
02.01.07.02.11	m³ DEMOLICIÓN DE FÁBRICA HORMIGÓN ARMADO	273,76	33,07	9.053,24
(301.0020)	DEMOLICIÓN DE FÁBRICA HORMIGÓN ARMADO i/ DESESCOMBRO, CARGA Y TRANSPORTE DE MATERIAL DEMOLIDO A GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.			
TOTAL 02.01.07.02				315.502,76
TOTAL 02.01.07				337.232,41

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
TOTAL 02.01.....				1.040.068,16
02.02	DRENAJE LONGITUDINAL Y DE FIRME			
02.02.01	m BAJANTE PREFABRICADA DE HORMIGÓN DE 0,40 m DE ANCHO INTERIOR	140,00	36,46	5.104,40
(430.0020)	BAJANTE PREFABRICADA DE HORMIGÓN DE 0,40 m DE ANCHO INTERIOR i/SUMINISTRO,TRANSPORTE, EXCAVACIÓN , PREPARACIÓN DE LA SUPERFICIE DE ASIENTO REJUNTADO CON HORMIGÓN O MORTERO Y P.P. DE EMBOCADURAS Y REMATES			
02.02.02	m³ HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	775,39	104,31	80.880,93
(610.0050)	HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
02.02.03	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	28596,16	1,81	51.759,05
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
02.02.04	m² ENCOFRADO VISTO PLANO	1968,47	33,91	66.750,82
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHIHEMBRA DA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
02.02.05	m² ENCOFRADO OCULTO PLANO	2838,83	28,44	80.736,33
(680.0010)	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
02.02.06	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP	2313,59	2,32	5.367,53
(690.0070)	PINTADO DE IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIÓNICA AL 50% DE BETÚN, C50 BF5 IMP.			
02.02.07	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	64092,93	6,70	429.422,63
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	DISTANCIA.			
02.02.08	m³ HORMIGÓN C20/25	520,92	86,69	45.158,55
(610.0020)	HORMIGÓN C20/25 VERTIDO, VIBRADO Y TOTALMENTE COLO-CADO.			
02.02.09	m TUBO DE HORMIGÓN ARMADO DE DIÁMETRO 400 mm CLASE 135	778,00	65,07	50.624,46
(414.0030)	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN C20/25 DE 10 CM DE ESPESOR Y DIÁ-METRO 400MM CLASE 135 (UNE-EN1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/SUMINIS-TRO, TRANSPORTE A OBRA Y COLOCACIÓN			
02.02.10	m TUBO DE HORMIGÓN ARMADO DE DIÁMETRO 500 mm CLASE 135	449,00	80,13	35.978,37
(414.0050)	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN C20/25 DE 10 CM DE ESPESOR Y DIÁ-METRO 500MM CLASE 135 (UNE-EN1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/SUMINIS-TRO, TRANSPORTE A OBRA Y COLOCACIÓN			
02.02.11	m TUBO DE HORMIGÓN ARMADO DE DIÁMETRO 600 mm CLASE 135	1993,39	94,82	189.013,24
(414.0080)	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN C20/25 DE 10 CM DE ESPESOR Y DIÁ-METRO 600MM CLASE 135 (UNE-EN1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/SUMINIS-TRO, TRANSPORTE A OBRA Y COLOCACIÓN			
02.02.12	m TUBO DE HORMIGÓN ARMADO DE DIÁMETRO 800 mm CLASE 135	1872,00	140,76	263.502,72
(414.0110)	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN C20/25 DE 10 CM DE ESPESOR Y DIÁ-METRO 800MM CLASE 135 (UNE-EN1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/SUMINIS-TRO, TRANSPORTE A OBRA Y COLOCACIÓN			
02.02.13	m TUBO DE HORMIGÓN ARMADO DE DIÁMETRO 1000 mm CLASE 135	527,00	184,92	97.452,84
(414.0140)	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN C20/25 DE 10 CM DE ESPESOR Y DIÁ-METRO 1000MM CLASE 135 (UNE-EN1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/SUMINIS-			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	TRO, TRANSPORTE A OBRA Y COLOCACIÓN			
02.02.14	m TUBO DE HORMIGÓN ARMADO DE DIÁMETRO 1200 mm CLASE 135	895,00	250,29	224.009,55
(414.0170)	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN C20/25 DE 10 CM DE ESPESOR Y DIÁ-METRO 1200MM CLASE 135 (UNE-EN1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/SUMINIS-TRO, TRANSPORTE A OBRA Y COLOCACIÓN			
02.02.15	m TUBO DE HORMIGÓN ARMADO DE DIÁMETRO 1400 mm CLASE 135	637,00	308,67	196.622,79
(414.0190_N)	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN C20/25 DE 10 CM DE ESPESOR Y DIÁ-METRO 1400MM CLASE 135 (UNE-EN1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/SUMINIS-TRO, TRANSPORTE A OBRA Y COLOCACIÓN			
02.02.16	m TUBO DE HORMIGÓN ARMADO DE DIÁMETRO 1500 mm CLASE 135	118,00	336,34	39.688,12
(414.0200)	TUBO DE HORMIGÓN ARMADO SOBRE CAMA DE HORMIGÓN C20/25 DE 10 CM DE ESPESOR Y DIÁ-METRO 1500MM CLASE 135 (UNE-EN1916) CON UNIÓN ELÁSTICA Y JUNTA DE GOMA i/SUMINIS-TRO, TRANSPORTE A OBRA Y COLOCACIÓN			
02.02.17	m³ HORMIGÓN C20/25 EN FORMACIÓN DE CUNETA i/ ENCOFRADO, FRATASADO, ACABADOS Y JUNTAS SIN INCLUIR EXCAVACIÓN	4121,74	106,15	437.522,70
(400.0010)	HORMIGÓN C20/25 EN FORMACIÓN DE CUNETA i/ ENCOFRADO, FRATASADO, ACABADOS Y JUNTAS SIN INCLUIR EXCAVACIÓN			
02.02.18	ud TAPA DE HORMIGÓN PREFABRICADO PARA ARQUETA, i/SUMINISTRO, TRANSPORTE Y COLOCACIÓN.	260,00	23,89	6.211,40
(430.0080)	TAPA DE HORMIGÓN PREFABRICADO PARA AR-QUETA, i/SUMINISTRO, TRANSPORTE Y COLOCA-CIÓN.			
02.02.19	ud TAPA DE ACERO, TIPO REJILLA PARA ARQUETA, i/SUMINISTRO, TRANSPORTE Y COLOCACIÓN.	306,00	58,98	18.047,88
(430.0090)	TAPA DE ACERO, TIPO REJILLA PARA ARQUETA, i/SUMINISTRO, TRANS-PORTE Y COLOCACIÓN.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
02.02.20	m³ RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA	15161,57	6,70	101.582,52
(332.0060)	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
02.02.21	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA	773,71	3,47	2.684,77
(332.0040)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
02.02.22	m TUBO DE PVC RANURADO DE DIÁMETRO 200 mm	12106,00	21,09	255.315,54
(424.0025_N)	TUBO DE PVC DE DIÁMETRO 200 mm RANURADO SOBRE CAMA DE ARENA DE 10 cm DE ESPESOR, REVESTIDA CON GEOTEXTIL Y RELLENA CON GRAVA FILTRANTE HASTA 25 cm POR ENCIMA DEL TUBO Y CIERRE DE DOBLE SOLAPA DEL PAQUETE FILTRANTE REALIZADO CON EL PROPIO GEOTEXTIL CON P.P. DE MEDIOS AUXILIARES COLOCADO.			
02.02.23	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA	5717,88	8,45	48.316,09
(332.0050)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMOS, YACIMIENTO GRANULAR Y/O CANTERA, i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
02.02.24	m BORDILLO PREF. HORM. TIPO Y-41	626,00	19,22	12.031,72
(570.030_N)	BORDILLO PREFABRICADO DE HORMIGÓN TPO Y-41, TOTALMENTE COLOCADO, INCLUSO BASE DE ASIENTO DE HORMIGÓN HM-20, REJUNTADO CON MORTERO DE CEMENTO			
02.02.25	m CAZ DE HORMIGÓN PREFABRICADO 400	2865,00	59,83	171.412,95
(413.0010_N)	CAZ DE HORMIGÓN PREFABRICADO DE HASTA DIÁMETRO DE 400 mm i/ SUMINISTRO DEL CAZ Y TRANSPORTE A LUGAR DE EMPLEO, EXCAVACIÓN , AGOTAMIENTO, Y ENTIBACIÓN SI FUESE NECESARIO, CARGA Y TRANSPORTE DE PRODUCTOS SO-			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	BRANTES A VERTEDERO, NIVELACIÓN Y PREPARACIÓN DE LECHO DE ASIENTO Y PERFILADO.			
02.02.26	m CAZ DE HORMIGÓN PREFABRICADO 500	3411,00	70,43	240.236,73
(413.0011_N)	CAZ DE HORMIGÓN PREFABRICADO DE HASTA DIÁMETRO DE 500 mm i/ SUMINISTRO DEL CAZ Y TRANSPORTE A LUGAR DE EMPLEO, EXCAVACIÓN , AGOTAMIENTO, Y ENTIBACIÓN SI FUESE NECESARIO, CARGA Y TRANSPORTE DE PRODUCTOS SOBRE BRANTES A VERTEDERO, NIVELACIÓN Y PREPARACIÓN DE LECHO DE ASIENTO Y PERFILADO.			
02.02.27	CO-1990-E1-MI	1,00	643.549,18	643.549,18
(02.02.01)				
02.02.28	CO-0300-E20-MD	1,00	976.084,51	976.084,51
(02.02.02)				
02.02.29	OTDL-1220_D y OTDL-1500_D	1,00	32.434,18	32.434,18
(02.02.03)				
TOTAL 02.02.....				4.807.502,50
02.03	ENCAUZAMIENTO DEL BARRANCO DEL TRAVESSAT			
02.03.01	m³ EXCAVACIÓN EN DESMONTE EN TIERRA CON MEDIOS MECÁNICOS SIN EXPLOSIVOS	2948,45	2,37	6.987,83
(320.0020)	EXCAVACIÓN EN DESMONTE EN TIERRA CON MEDIOS MECÁNICOS (TIPO EXCAVADORA O SIMILAR) SIN EXPLOSIVOS i/ AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, FORMACIÓN, Y PERFILADO DE CUNETAS, REFINO DE TALUDES, CARGA Y TRANSPORTE A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
02.03.02	m3 TERRAPLÉN O PEDRAPLEN O RELLENO TODO-UNO CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN	9062,20	1,10	9.968,42
(330.0020)	TERRAPLÉN, PEDRAPLÉN O RELLENO TODO-UNO CON MATERIALES PROCEDENTES DE LA EXCAVACIÓN, i/ EXTENDIDO, HUMECTACIÓN, NIVELACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE TALUDES TOTALMENTE TERMINADO.			
	(EN CASO DE QUE LOS MATERIALES SEAN PROVISTOS POR LA ADMINISTRACIÓN, SE PAGARÁ, SI PROCEDE, EL SUPLEMENTO DE TRANSPORTE POR LA DISTANCIA ADICIONAL).			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
02.03.03	m³ ESCOLLERA DE 200/400 kg EN DRENAJE O PROTECCION FLUVIAL	2115,25	37,10	78.475,78
(658.0010)	ESCOLLERA COLOCADA DE 200/400 kg EN ELEMENTOS DE DRENAJE O PROTECCIÓN FLUVIAL, EN CONTRAFUERTE DRENANTES, O PARA CIMENTACIÓN DE MUROS Y OTRAS ESTRUCTURAS.			
02.03.04	m³ HORMIGÓN C20/25	225,94	86,69	19.586,74
(610.0020)	HORMIGÓN C20/25 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.			
02.03.05	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	2516,75	113,62	285.953,14
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
02.03.06	m² ENCOFRADO VISTO PLANO	4175,00	33,91	141.574,25
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHICHEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
02.03.07	m² ENCOFRADO OCULTO PLANO	2904,00	28,44	82.589,76
(680.0010)	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
02.03.08	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	246950,00	1,81	446.979,50
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
02.03.09	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA	2904,00	7,84	22.767,36
(690.0040)	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON PINTURA i/ P.P. DE CHORREADO PREVIO CON ARENA Y TODOS LOS MEDIOS NECESARIOS PARA LA COMPLETA EJECUCIÓN.			
02.03.10	m³ CIMBRA CUAJADA	4400,00	12,21	53.724,00
(681.0010)	CIMBRA CUAJADA i/ PROYECTO, PREPARACIÓN DE LA SUPERFICIE DE APOYO, NIVELACIÓN Y APUNTALAMIENTO DE LA CIMBRA, PRUEBAS DE CARGA, TRANSPORTES, MONTAJE Y DESMONTAJE, TOTALMENTE TERMINADA Y MONTADA.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
02.03.11	m³ MURO DE ESCOLLERA CON BLOQUES DE 1000 A 3000 kg O SUPERIOR	18783,40	68,11	1.279.337,37
(658.0080)	MURO DE ESCOLLERA COLOCADA CON BLOQUES DE 1000 A 3000 kg (USO HMB 1000/3000) O DE PESO SUPERIOR, CONFORME A UNE EN 13383-1 i/ RELLENO DEL TRASDÓS CON MATERIAL FILTRANTE.			
TOTAL 02.03.....				2.427.944,15
TOTAL 02.....				8.275.514,81

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
03	FIRMES			
03.01	CALZADAS PRINCIPALES			
03.01.01	m³ SUELO-CEMENTO FABRICADO EN CENTRAL CON MATERIAL GRANULAR PROCEDENTE DE CANTERA	12304,40	28,08	345.507,55
(513.0012)	SUELO-CEMENTO FABRICADO EN CENTRAL i/ TRANSPORTE, EXTENDIDO, COMPACTACIÓN, PREFISURACIÓN Y PREPARACIÓN DE LA SUPERFICIE DE ASIENTO, SIN INCLUIR CEMENTO NI RIEGO DE CURADO. EMPLEANDO MATERIAL GRANULAR PROCEDENTE DE CANTERA			
03.01.02	t CEMENTO PARA ESTABILIZACIÓN DE SUELOS, SUELOCEMENTO O GRAVACEMENTO	738,26	106,00	78.255,98
(202.0030)	CEMENTO PARA ESTABILIZACIÓN DE SUELOS Y FABRICACIÓN DE SUELOCEMENTO O GRAVACEMENTO, PUESTO A PIE DE OBRA			
03.01.03	t MBC TIPO AC22 BIN S, EXCEPTO BETÚN Y POLVO MINERAL	13816,85	29,35	405.524,55
(542.0050)	MEZCLA BITUMINOSA EN CALIENTE TIPO AC22 BIN S, EXTENDIDA Y COMPACTADA, EXCEPTO BETÚN Y POLVO MINERAL DE APORTACIÓN.			
03.01.04	m² MBC TIPO BBTM 11B EN CAPA DE RODADURA, EXCEPTO BETÚN Y POLVO MINERAL	115920,00	2,68	310.665,60
(543.0020)	MEZCLA BITUMINOSA EN CALIENTE TIPO BBTM 11B EN CAPA DE RODADURA, EXTENDIDA Y COMPACTADA, EXCEPTO BETÚN Y POLVO MINERAL DE APORTACIÓN, CON UN ESPESOR DE 3 cm.			
03.01.05	t MBC TIPO AC32 BASE S, EXCEPTO BETÚN Y POLVO MINERAL	23402,04	29,36	687.083,89
(542.0080)	MEZCLA BITUMINOSA EN CALIENTE TIPO AC32 BASE S, EXTENDIDA Y COMPACTADA, EXCEPTO BETÚN Y POLVO MINERAL DE APORTACIÓN.			
03.01.06	t CARBONATO EMPLEADO COMO POLVO MINERAL DE APORTACIÓN	1997,85	59,86	119.591,30
(542.0110)	CARBONATO EMPLEADO COMO POLVO MINERAL DE APORTACIÓN, PUESTO A PIE DE OBRA O PLANTA.			
03.01.07	t ÁRIDO EMPLEADO EN RIEGOS DE IMPRIMACIÓN O DE CURADO	2103,70	18,29	38.476,67
(530.0010)	ÁRIDO DE COBERTURA EMPLEADO EN RIEGOS DE IMPRIMACIÓN O DE CURADO i/ LA EXTENSIÓN, COMPACTACIÓN Y BARRIDO, TOTALMENTE TERMINADO.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
03.01.08	t EMULSIÓN C60B3 ADH EN RIEGOS DE ADHERENCIA O C60B3 CUR EN RIEGOS DE CURADO	147,37	624,16	91.983,08
(531.0020)	EMULSIÓN C60B3 ADH EN RIEGOS DE ADHERENCIA O C60B3 CUR EN RIEGOS DE CURADO i/ EL BARRIDO Y LA PREPARACIÓN DE LA SUPERFICIE, TOTALMENTE TERMINADO.			
03.01.09	t EMULSIÓN C60BP3 ADH, MODIFICADA CON POLÍMEROS, EN RIEGO DE ADHERENCIA	55,11	657,43	36.230,31
(531.0040)	EMULSIÓN C60BP3 ADH, MODIFICADA CON POLÍMEROS, EN RIEGO DE ADHERENCIA i/ BARRIDO Y PREPARACIÓN DE LA SUPERFICIE, TOTALMENTE TERMINADO.			
03.01.10	m³ RELLENO PARA IMPERMEABILIZACIÓN DE BERMAS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO Y/O CANTERA	8558,20	5,70	48.781,74
(332.0090)	RELLENO PARA IMPERMEABILIZACIÓN DE BERMAS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA, i/ CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 5 km, EXTENDIDO Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO			
03.01.11	m³ ZAHORRA	10690,00	26,78	286.278,20
(510.0010)	ZAHORRA i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDA SOBRE PERFIL TEÓRICO.			
03.01.12	t BETÚN MEJORADO CON CAUCHO PROCEDENTE DE POLVO DE NFS, TIPO BC35/50	1488,75	724,56	1.078.688,70
(211.0040)	BETÚN MEJORADO CON CAUCHO PROCEDENTE DE POLVO DE NEUMÁTICO FUERA DE USO, TIPO BC35/50, PARA MEZCLAS BITUMINOSAS EN CALIENTE, A PIE DE OBRA O PLANTA.			
03.01.13	t BETÚN MODIFICADO CON POLÍMEROS (CON O SIN CAUCHO) TIPO PMB 45/80-65	375,58	795,00	298.586,10
(215.0030)	BETÚN PMB 45/80-65 MODIFICADO CON POLÍMEROS (CON O SIN CAUCHO) TIPO BM-3C, EMPLEADO EN MEZCLAS BITUMINOSAS A PIE DE OBRA O PLANTA.			
03.01.14	m² SUMINISTRO Y COLOCACIÓN DE GEOTEXTIL NO TEJIDO TIPO 1 COMO SEPARADOR	7000,00	3,79	26.530,00
(290.0010)	GEOTEXTIL FORMADO 100 % POR FIBRAS DE PROLIPROPILENO VIRGEN TIPO 1 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO SEPARADOR, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 8,0 kN/m HASTA 11,8 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 10,1 kN/m HASTA 12,0 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA DESDE 50% HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA DESDE 55% HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1560 N HASTA 1960 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 24 mm HASTA 19 mm Y PERMEABILIDAD AL AGUA DESDE 4,9 10-6/m²/s HASTA 6,0 10-6/m²/s.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
TOTAL 03.01				3.852.183,67
03.02	CALZADAS LATERALES			
03.02.01	m³ SUELO-CEMENTO FABRICADO EN CENTRAL CON MATERIAL GRANULAR PROCEDENTE DE CANTERA	10512,30	28,08	295.185,38
(513.0012)	SUELO-CEMENTO FABRICADO EN CENTRAL i/ TRANSPORTE, EXTENDIDO, COMPACTACIÓN, PREFISURACIÓN Y PREPARACIÓN DE LA SUPERFICIE DE ASIENTO, SIN INCLUIR CEMENTO NI RIEGO DE CURADO. EMPLEANDO MATERIAL GRANULAR PROCEDENTE DE CANTERA			
03.02.02	t CEMENTO PARA ESTABILIZACIÓN DE SUELOS, SUELOCEMENTO O GRAVACEMENTO	630,74	106,00	66.858,23
(202.0030)	CEMENTO PARA ESTABILIZACIÓN DE SUELOS Y FABRICACIÓN DE SUELOCEMENTO O GRAVACEMENTO, PUESTO A PIE DE OBRA			
03.02.03	t MBC TIPO AC22 BIN S, EXCEPTO BETÚN Y POLVO MINERAL	7483,92	29,35	219.653,05
(542.0050)	MEZCLA BITUMINOSA EN CALIENTE TIPO AC22 BIN S, EXTENDIDA Y COMPACTADA, EXCEPTO BETÚN Y POLVO MINERAL DE APORTACIÓN.			
03.02.04	m² MBC TIPO BBTM 11B EN CAPA DE RODADURA, EXCEPTO BETÚN Y POLVO MINERAL	61606,67	2,68	165.105,88
(543.0020)	MEZCLA BITUMINOSA EN CALIENTE TIPO BBTM 11B EN CAPA DE RODADURA, EXTENDIDA Y COMPACTADA, EXCEPTO BETÚN Y POLVO MINERAL DE APORTACIÓN, CON UN ESPESOR DE 3 cm.			
03.02.05	t MBC TIPO AC32 BASE S, EXCEPTO BETÚN Y POLVO MINERAL	7508,81	29,36	220.458,66
(542.0080)	MEZCLA BITUMINOSA EN CALIENTE TIPO AC32 BASE S, EXTENDIDA Y COMPACTADA, EXCEPTO BETÚN Y POLVO MINERAL DE APORTACIÓN.			
03.02.06	t CARBONATO EMPLEADO COMO POLVO MINERAL DE APORTACIÓN	800,95	59,86	47.945,05
(542.0110)	CARBONATO EMPLEADO COMO POLVO MINERAL DE APORTACIÓN, PUESTO A PIE DE OBRA O PLANTA.			
03.02.07	t ÁRIDO EMPLEADO EN RIEGOS DE IMPRIMACIÓN O DE CURADO	1045,27	18,29	19.118,01
(530.0010)	ÁRIDO DE COBERTURA EMPLEADO EN RIEGOS DE IMPRIMACIÓN O DE CURADO i/ LA EXTENSIÓN, COMPACTACIÓN Y BARRIDO, TOTALMENTE TERMINADO.			
03.02.08	t EMULSIÓN C60B3 ADH EN RIEGOS DE ADHERENCIA O C60B3 CUR EN RIEGOS DE CURADO	77,51	624,16	48.380,51
(531.0020)	EMULSIÓN C60B3 ADH EN RIEGOS DE ADHERENCIA O C60B3			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
CUR EN RIEGOS DE CURADO i/ EL BARRIDO Y LA PREPARACIÓN DE LA SUPERFICIE, TOTALMENTE TERMINADO.				
03.02.09	t EMULSIÓN C60BP3 ADH, MODIFICADA CON POLÍMEROS, EN RIEGO DE ADHERENCIA	21,84	657,43	14.356,30
(531.0040)	EMULSIÓN C60BP3 ADH, MODIFICADA CON POLÍMEROS, EN RIEGO DE ADHERENCIA i/ BARRIDO Y PREPARACIÓN DE LA SUPERFICIE, TOTALMENTE TERMINADO.			
03.02.10	m³ RELLENO PARA IMPERMEABILIZACIÓN DE BERMAS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO Y/O CANTERA	4517,30	5,70	25.748,61
(332.0090)	RELLENO PARA IMPERMEABILIZACIÓN DE BERMAS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA, i/ CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 5 km, EXTENDIDO Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO			
03.02.11	m³ ZAHORRA	543,80	26,78	14.562,96
(510.0010)	ZAHORRA i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDA SOBRE PERFIL TEÓRICO.			
03.02.12	t BETÚN MEJORADO CON CAUCHO PROCEDENTE DE POLVO DE NFS, TIPO BC35/50	599,71	724,56	434.525,88
(211.0040)	BETÚN MEJORADO CON CAUCHO PROCEDENTE DE POLVO DE NEUMÁTICO FUERA DE USO, TIPO BC35/50, PARA MEZCLAS BITUMINOSAS EN CALIENTE, A PIE DE OBRA O PLANTA.			
03.02.13	t BETÚN MODIFICADO CON POLÍMEROS (CON O SIN CAUCHO) TIPO PMB 45/80-65	141,77	795,00	112.707,15
(215.0030)	BETÚN PMB 45/80-65 MODIFICADO CON POLÍMEROS (CON O SIN CAUCHO) TIPO BM-3C, EMPLEADO EN MEZCLAS BITUMINOSAS A PIE DE OBRA O PLANTA.			
TOTAL 03.02				1.684.605,67
03.03	ENLACE CV-35			
03.03.01	m³ SUELO-CEMENTO FABRICADO EN CENTRAL CON MATERIAL GRANULAR PROCEDENTE DE CANTERA	3979,60	28,08	111.747,17
(513.0012)	SUELO-CEMENTO FABRICADO EN CENTRAL i/ TRANSPORTE, EXTENDIDO, COMPACTACIÓN, PREFISURACIÓN Y PREPARACIÓN DE LA SUPERFICIE DE ASIENTO, SIN INCLUIR CEMENTO NI RIEGO DE CURADO. EMPLEANDO MATERIAL GRANULAR PROCEDENTE DE CANTERA			
03.03.02	t CEMENTO PARA ESTABILIZACIÓN DE SUELOS, SUELOCEMENTO O GRAVACEMENTO	238,78	106,00	25.310,26
(202.0030)	CEMENTO PARA ESTABILIZACIÓN DE SUELOS Y FABRICACIÓN DE SUELOCEMENTO O GRAVACEMENTO, PUESTO A PIE DE OBRA			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
03.03.03	t MBC TIPO AC22 BIN S, EXCEPTO BETÚN Y POLVO MINERAL	2734,08	29,35	80.245,25
(542.0050)	MEZCLA BITUMINOSA EN CALIENTE TIPO AC22 BIN S, EXTENDIDA Y COMPACTADA, EXCEPTO BETÚN Y POLVO MINERAL DE APORTACIÓN.			
03.03.04	m² MBC TIPO BBTM 11B EN CAPA DE RODADURA, EXCEPTO BETÚN Y POLVO MINERAL	26103,00	2,68	69.956,04
(543.0020)	MEZCLA BITUMINOSA EN CALIENTE TIPO BBTM 11B EN CAPA DE RODADURA, EXTENDIDA Y COMPACTADA, EXCEPTO BETÚN Y POLVO MINERAL DE APORTACIÓN, CON UN ESPESOR DE 3 cm.			
03.03.05	t MBC TIPO AC32 BASE S, EXCEPTO BETÚN Y POLVO MINERAL	2604,52	29,36	76.468,71
(542.0080)	MEZCLA BITUMINOSA EN CALIENTE TIPO AC32 BASE S, EXTENDIDA Y COMPACTADA, EXCEPTO BETÚN Y POLVO MINERAL DE APORTACIÓN.			
03.03.06	t CARBONATO EMPLEADO COMO POLVO MINERAL DE APORTACIÓN	326,67	59,86	19.554,65
(542.0110)	CARBONATO EMPLEADO COMO POLVO MINERAL DE APORTACIÓN, PUESTO A PIE DE OBRA O PLANTA.			
03.03.07	t ÁRIDO EMPLEADO EN RIEGOS DE IMPRIMACIÓN O DE CURADO	394,17	18,29	7.209,28
(530.0010)	ÁRIDO DE COBERTURA EMPLEADO EN RIEGOS DE IMPRIMACIÓN O DE CURADO i/ LA EXTENSIÓN, COMPACTACIÓN Y BARRIDO, TOTALMENTE TERMINADO.			
03.03.08	t EMULSIÓN C60B3 ADH EN RIEGOS DE ADHERENCIA O C60B3 CUR EN RIEGOS DE CURADO	29,10	624,16	18.164,30
(531.0020)	EMULSIÓN C60B3 ADH EN RIEGOS DE ADHERENCIA O C60B3 CUR EN RIEGOS DE CURADO i/ EL BARRIDO Y LA PREPARACIÓN DE LA SUPERFICIE, TOTALMENTE TERMINADO.			
03.03.09	t EMULSIÓN C60BP3 ADH, MODIFICADA CON POLÍMEROS, EN RIEGO DE ADHERENCIA	13,03	657,43	8.566,97
(531.0040)	EMULSIÓN C60BP3 ADH, MODIFICADA CON POLÍMEROS, EN RIEGO DE ADHERENCIA i/ BARRIDO Y PREPARACIÓN DE LA SUPERFICIE, TOTALMENTE TERMINADO.			
03.03.10	m³ RELLENO PARA IMPERMEABILIZACIÓN DE BERMAS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO Y/O CANTERA	1550,30	5,70	8.836,71
(332.0090)	RELLENO PARA IMPERMEABILIZACIÓN DE BERMAS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA, i/ CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 5 km, EXTENDIDO Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
03.03.11	m³ ZAHORRA	273,10	26,78	7.313,62
(510.0010)	ZAHORRA i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDA SOBRE PERFIL TEÓRICO.			
03.03.12	t BETÚN MEJORADO CON CAUCHO PROCEDENTE DE POLVO DE NFS, TIPO BC35/50	174,67	724,56	126.558,90
(211.0040)	BETÚN MEJORADO CON CAUCHO PROCEDENTE DE POLVO DE NEUMÁTICO FUERA DE USO, TIPO BC35/50, PARA MEZCLAS BITUMINOSAS EN CALIENTE, A PIE DE OBRA O PLANTA.			
03.03.13	t BETÚN MEJORADO CON CAUCHO PROCEDENTE DE POLVO DE NFS, TIPO BC50/70	38,87	724,56	28.163,65
(211.0050)	BETÚN MEJORADO CON CAUCHO PROCEDENTE DE POLVO DE NEUMÁTICO FUERA DE USO, TIPO BC50/70, PARA MEZCLAS BITUMINOSAS EN CALIENTE, A PIE DE OBRA O PLANTA.			
03.03.14	t BETÚN MODIFICADO CON POLÍMEROS (CON O SIN CAUCHO) TIPO PMB 45/80-65	73,03	795,00	58.058,85
(215.0030)	BETÚN PMB 45/80-65 MODIFICADO CON POLÍMEROS (CON O SIN CAUCHO) TIPO BM-3C, EMPLEADO EN MEZCLAS BITUMINOSAS A PIE DE OBRA O PLANTA.			
03.03.15	t BETÚN MODIFICADO CON POLÍMEROS (CON O SIN CAUCHO) TIPO PMB 45/80-60	11,55	773,80	8.933,52
(215.0020)	BETÚN PMB 45/80-60 MODIFICADO CON POLÍMEROS (CON O SIN CAUCHO) PARA MEZCLAS BITUMINOSAS, A PIE DE OBRA O PLANTA.			
TOTAL 03.03.....				655.087,88
03.04	REPOSICIÓN DE CAMINOS			
03.04.01	m³ SUELO-CEMENTO FABRICADO EN CENTRAL CON MATERIAL GRANULAR PROCEDENTE DE CANTERA	10594,70	28,08	297.499,18
(513.0012)	SUELO-CEMENTO FABRICADO EN CENTRAL i/ TRANSPORTE, EXTENDIDO, COMPACTACIÓN, PREFISURACIÓN Y PREPARACIÓN DE LA SUPERFICIE DE ASIENTO, SIN INCLUIR CEMENTO NI RIEGO DE CURADO. EMPLEANDO MATERIAL GRANULAR PROCEDENTE DE CANTERA			
03.04.02	t CEMENTO PARA ESTABILIZACIÓN DE SUELOS, SUELOCEMENTO O GRAVACEMENTO	635,68	106,00	67.382,29
(202.0030)	CEMENTO PARA ESTABILIZACIÓN DE SUELOS Y FABRICACIÓN DE SUELOCEMENTO O GRAVACEMENTO, PUESTO A PIE DE OBRA			
03.04.03	t MBC TIPO AC22 BIN S, EXCEPTO BETÚN Y POLVO MINERAL	5261,28	29,35	154.418,57
(542.0050)	MEZCLA BITUMINOSA EN CALIENTE TIPO AC22 BIN S, EXTENDIDA Y COMPACTADA, EXCEPTO BETÚN Y POLVO MINERAL DE APORTACIÓN.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
03.04.04	t MBC TIPO AC16 SURF S, EXCEPTO BETÚN Y POLVO MINERAL	3623,04	30,61	110.901,25
(542.0010)	MEZCLA BITUMINOSA EN CALIENTE TIPO AC16 SURF S, EXCEPTO BETÚN Y POLVO MINERAL, TOTALMENTE EXTENDIDA Y COMPACTADA.			
03.04.05	t MBC TIPO AC32 BASE S, EXCEPTO BETÚN Y POLVO MINERAL	884,58	29,36	25.971,27
(542.0080)	MEZCLA BITUMINOSA EN CALIENTE TIPO AC32 BASE S, EXTENDIDA Y COMPACTADA, EXCEPTO BETÚN Y POLVO MINERAL DE APORTACIÓN.			
03.04.06	t CARBONATO EMPLEADO COMO POLVO MINERAL DE APORTACIÓN	411,80	59,86	24.650,41
(542.0110)	CARBONATO EMPLEADO COMO POLVO MINERAL DE APORTACIÓN, PUESTO A PIE DE OBRA O PLANTA.			
03.04.07	t ÁRIDO EMPLEADO EN RIEGOS DE IMPRIMACIÓN O DE CURADO	765,42	18,29	13.999,57
(530.0010)	ÁRIDO DE COBERTURA EMPLEADO EN RIEGOS DE IMPRIMACIÓN O DE CURADO i/ LA EXTENSIÓN, COMPACTACIÓN Y BARRIDO, TOTALMENTE TERMINADO.			
03.04.08	t EMULSIÓN C60B3 ADH EN RIEGOS DE ADHERENCIA O C60B3 CUR EN RIEGOS DE CURADO	62,03	624,16	38.714,15
(531.0020)	EMULSIÓN C60B3 ADH EN RIEGOS DE ADHERENCIA O C60B3 CUR EN RIEGOS DE CURADO i/ EL BARRIDO Y LA PREPARACIÓN DE LA SUPERFICIE, TOTALMENTE TERMINADO.			
03.04.09	m³ RELLENO PARA IMPERMEABILIZACIÓN DE BERMAS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO Y/O CANTERA	1650,50	5,70	9.407,85
(332.0090)	RELLENO PARA IMPERMEABILIZACIÓN DE BERMAS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA, i/ CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 5 km, EXTENDIDO Y COMPACTACIÓN, MEDIDO SOBRE PERFIL TEÓRICO			
03.04.10	m BORDILLO PREF. HORM. NO MONTABLE 0.10x0.20x0.40 m	960,00	15,62	14.995,20
(570.006_N)	BORDILLO PREFABRICADO DE HORMIGÓN NO MONTABLE DE 0.10 X 0.20 X 0.40 M, TOTALMENTE COLOCADO, INCLUSO BASE DE ASIENTO DE HORMIGÓN C20/25, REJUNTADO CON MORTERO DE CEMENTO.			
03.04.11	m3 HORMIGÓN MAGRO EN BASE DE FIRME	60,40	88,50	5.345,40
(551.0010)	HORMIGÓN MAGRO VIBRADO EN BASE DE FIRME, COMPLETAMENTE TERMINADO i/ CURADO			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
03.04.12	m2 PAVIMENTO BALDOSA HIDRÁULICA 20X20X0.4	4005,00	21,06	84.345,30
(570.0031_N)	PAVIMENTO DE BALDOSA HIDRÁULICA DE 20X20X4 CM,SIN PULIR, RECIBIDO CON MORTERO DE CEMENTO Y ARENA DE RÍO M-5B DE 4 CM DE ESPESOR, INCLUSO PARTE PROPORCIONAL DE REJUNTADO Y LIMPIEZA, MEDIDA LA SUPERFICIE EJECUTADA EN OBRA, TOTALMENTE TERMINADO.			
03.04.13	m BORDILLO MONTABLE PREF. HORM. 0.20x0.22x0.5 m	960,00	25,45	24.432,00
(570.004_N)	BORDILLO PREFABRICADO DE HORMIGÓN MONTABLE DE 0.20 X 0.22 X 0.50 M, TOTALMENTE COLOCADO, INCLUSO BASE DE ASIENTO DE HORMIGÓN C20/25, REJUNTADO CON MORTERO DE CEMENTO.			
03.04.14	m³ ZAHORRA	695,70	26,78	18.630,85
(510.0010)	ZAHORRA i/ TRANSPORTE, EXTENSIÓN Y COMPACTACIÓN, MEDIDA SOBRE PERFIL TEÓRICO.			
03.04.15	t BETÚN MEJORADO CON CAUCHO PROCEDENTE DE POLVO DE NFS, TIPO BC50/70	320,79	724,56	232.431,60
(211.0050)	BETÚN MEJORADO CON CAUCHO PROCEDENTE DE POLVO DE NEUMÁTICO FUERA DE USO, TIPO BC50/70, PARA MEZCLAS BITUMINOSAS EN CALIENTE, A PIE DE OBRA O PLANTA.			
03.04.16	t BETÚN MEJORADO CON CAUCHO PROCEDENTE DE POLVO DE NFS, TIPO BC35/50	88,08	724,56	63.819,24
(211.0040)	BETÚN MEJORADO CON CAUCHO PROCEDENTE DE POLVO DE NEUMÁTICO FUERA DE USO, TIPO BC35/50, PARA MEZCLAS BITUMINOSAS EN CALIENTE, A PIE DE OBRA O PLANTA.			
TOTAL 03.04.....				1.186.944,13
TOTAL 03.....				7.378.821,35

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04	ESTRUCTURAS			
04.01	VIADUCTOS			
04.01.01	VD1-PUENTE 1			
04.01.01.01	TRABAJOS PREVIOS Y CIMENTACIONES			
04.01.01.01.01	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	483,69	0,57	275,70
(300.0010)	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VERTEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.01.01.01.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	615,62	6,70	4.124,65
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.01.01.01.03	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA	337,37	8,45	2.850,78
(332.0050)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMOS, YACIMIENTO GRANULAR Y/O CANTERA, i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
04.01.01.01.04	ud EQUIPO Y MEDIOS AUXILIARES PILOTES HASTA 1200 mm	1,00	8.000,00	8.000,00
(680.1000)	TRANSPORTE, MONTAJE Y RETIRADA DEL EQUIPO Y MEDIOS AUXILIARES PARA EJECUCIÓN DE PILOTES DE DIÁMETRO HASTA 1200 mm.			
04.01.01.01.05	ud EQUIPO Y MEDIOS AUXILIARES PARA CAMBIO ENTRE TAJOS DE PILOTES DE HASTA 1200 mm DISTANCIADOS MÁS DE 2 km CON GÓNDOLA	1,00	5.000,00	5.000,00
(680.1020)	TRANSPORTE, MONTAJE Y RETIRADA DEL EQUIPO Y MEDIOS AUXILIARES PARA CAMBIO ENTRE TAJOS PARA PILOTES HASTA 1200 mm DISTANCIADOS MÁS DE 2 km CON GÓNDOLA.			
04.01.01.01.06	ud ENSAYO POR "CROSS-HOLE" ULTRASÓNICO (4 TUBOS, 6 DIAGRAFÍAS POR PILOTE) HASTA 35 m DE PROFUNDIDAD	20,00	75,00	1.500,00
(308.0060)	ENSAYO DE INTEGRIDAD ESTRUCTURAL POR "CROSS-HOLE" ULTRASÓNICO DE PILOTE INSTRUMENTADO CON CUATRO (4) TUBOS (6 DIAGRAFÍAS POR PILOTE) HASTA 35 m DE PROFUNDIDAD.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.01.01.01.07	m SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEG	1600,00	5,20	8.320,00
(308.0020)	SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEGURAR SU ESTANQUEIDAD, COMPLETAMENTE FIJADO A LA ARMADURA DEL PILOTE			
04.01.01.01.08	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA	29,28	66,48	1.946,53
(610.0010)	HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.			
04.01.01.01.09	m PILOTE DE DIÁMETRO DE 1000 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD	230,00	85,78	19.729,40
(671.0050)	PERFORACIÓN DE PILOTE DE DIÁMETRO DE 1000 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD i/ CAMISA Y SU RECUPERACIÓN.			
04.01.01.01.10	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	62308,00	1,81	112.777,48
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
04.01.01.01.11	m² ENCOFRADO OCULTO PLANO	167,56	28,44	4.765,41
(680.0010)	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.01.01.01.12	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS	618,97	109,05	67.498,68
(610.0060)	HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS.			
04.01.01.01.13	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP	167,56	2,32	388,74
(690.0070)	PINTADO DE IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP.			
04.01.01.01.14	m MICROPILOTE HASTA 180 mm INYECCIÓN TIPO IRS LECHADA HASTA 40 kg CEMENTO	672,00	69,61	46.777,92
(671.1060)	MICROPILOTE DE HASTA 180 mm DE DIÁMETRO E INYECCIÓN TIPO IRS CON LECHADA DE CEMENTO DE HASTA 40 kg DE CEMENTO/m (SIN ARMADURA).			
04.01.01.01.15	t ACERO PARA ARMADURA TUBULAR PARA MICROPILOTES (INCLUIDO UNIONES ROSCADAS).	13,44	2.200,00	29.568,00
(671.1220)	ACERO PARA ARMADURA TUBULAR PARA MICROPILOTES (INCLUIDO TODAS LAS UNIONES ROSCADAS NECESARIAS).			
04.01.01.01.16	m ANCLAJE PROVISIONAL CON INYECCIÓN REPETITIVA Y SELECTIVA (IRS) TIPO 2B (8 CABLES)	120,00	155,35	18.642,00
(675.1060)	ANCLAJE TIPO 2B (8 CABLES), PROBADO Y ACEPTADO i/ EMPLAZAMIENTOS, PERFORACIÓN, SUMINISTRO Y COLOCACIÓN DEL TIRANTE, INYECCIÓN Y MATERIAL AUXILIAR (CENTRADORES, SEPARADORES, TUBOS, ETC).			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.01.01.01.17	ud PARTE FIJA DEL ANCLAJE TIPO 1, 2A, 2B, 5, 6A Y 6B	6,00	106,00	636,00
(675.1250)	PARTE FIJA DEL ANCLAJE TIPO 1, 2A, 2B, 5, 6A Y 6B, I/ ELIMINACIÓN DE LONGI-TUD DEL TIRANTE SOBRANTE, CABEZA DE ANCLAJE Y TESADO CON ENSAYO DE ACEPTACIÓN, SELLADO, IMPERMEABILIZACIÓN Y CUALQUIER OPERACIÓN NECE-SARIA PARA LA PUESTA EN SERVICIO.			
TOTAL 04.01.01.01				332.801,29
04.01.01.02	ALZADOS			
04.01.01.02.01	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	40245,00	1,81	72.843,45
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, I/ CORTE Y DO-BLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RE-COCIDO Y SEPARADORES.			
04.01.01.02.02	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	263,63	113,62	29.953,64
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TA-BLEROS, LOSAS, MUROS Y MARCOS.			
04.01.01.02.03	m² ENCOFRADO VISTO PLANO	703,00	33,91	23.838,73
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRA-DO, EJECUTADO CON MADERA MACHIHEMBRADA I/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PA-RA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.01.01.02.04	m² ENCOFRADO VISTO CURVO	58,75	44,95	2.640,81
(680.0040)	ENCOFRADO PARA PARAMENTOS VISTOS CURVOS Y POSTERIOR DESENCOFRA-DO I/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELE-MENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.01.01.02.05	m³ ALIGERAMIENTO DE POLIESTIRENO EXPANDIDO	0,11	79,18	8,71
(682.0010)	ALIGERAMIENTO DE POLIESTIRENO EXPANDIDO.			
04.01.01.02.06	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA	340,00	29,17	9.917,80
(690.0050)	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, ALE-TAS?) CON LÁMINA ASFÁLTICA. CONSTITUÍDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOPLETE AL SOPORTE PREVIAMENTE IMPRIMADO (SOLAPES DE 8 cm MÍNIMO); LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHE-RIDA AL SOPORTE CON SOPLETE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CO-RRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEX-TIL. LISTA PARA VERTER TIERRAS.			
TOTAL 04.01.01.02				139.203,14

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.01.01.03	TABLERO			
04.01.01.03.01	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	19646,00	1,81	35.559,26
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, I/ CORTE Y DO-BLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RE-COCIDO Y SEPARADORES.			
04.01.01.03.02	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	157,17	113,62	17.857,66
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TA-BLEROS, LOSAS, MUROS Y MARCOS.			
04.01.01.03.03	m² PRELOSA PREFABRICADA DE HORMIGÓN CON CELOSÍA DE HASTA 8 cm DE ESPESOR	714,40	85,92	61.381,25
(630.3010)	PRELOSA PREFABRICADA DE HORMIGÓN CON CELOSÍA DE HASTA 8 cm DE ESPE-SOR, COMPLETAMENTE EJECUTADA I/ SUMINISTRO, TRANSPORTE Y COLOCA-CIÓN.			
04.01.01.03.04	m² IMPERMEABILIZACIÓN DE TABLEROS DE PUENTES CON LÁMINA SBS EN SISTEMA BICAPA	714,40	34,26	24.475,34
(690.0031)	IMPERMEABILIZACIÓN DEL TABLERO MEDIANTE LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO SBS EN SISTEMA BICAPA, FORMADA POR CAPA INFERIOR DE MA-SA NOMINAL 3kg/m2 Y FIELTRO DE FIBRA DE VIDRIO Y CAPA SUPERIOR AUTO-PROTEGIDA CON GRÁNULOS CERÁMICOS, DE 6 kg/m2 DE MASA NOMINAL, TO-TALMENTE ADHERIDA AL SOPORTE CON SOPLETE, INCLUSO PREPARACIÓN Y LIMPIEZA PREVIA DEL SOPORTE, SOLAPES Y PRUEBAS DE ESTANQUEIDAD. TOTAL-MENTE TERMINADA.			
04.01.01.03.05	m VIGA PREFABRICADA PRETENSADA ARTESA TIPO MONOCAJÓN DE H=120 cm	76,00	2.048,96	155.720,96
(614.0100)	VIGA PREFABRICADA PRETENSADA ARTESA TIPO MONOCAJÓN DE H=120 cm, ANCHO DE LOSA INFERIOR > 3 m I/ TRANSPORTE, COLOCACIÓN Y TODOS LOS MATERIALES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNI-DAD DE OBRA.			
04.01.01.03.06	kg ACERO ESPECIAL Y1030H EN BARRAS PARA PRETENSAR	1064,88	6,23	6.634,20
(601.0020)	ACERO ESPECIAL Y1030H EN BARRAS PARA PRETENSAR.			
TOTAL 04.01.01.03				301.628,67
04.01.01.04	ACABADOS Y EQUIPAMIENTOS			
04.01.01.04.01	dm³ APARATO DE APOYO DE NEOPRENO ZUNCHADO (STANDARD, ANCLADO O GOFRADO) SUSTITUIBLE	220,80	28,77	6.352,42
(692.0100)	APARATO DE APOYO DE NEOPRENO ZUNCHADO (STANDARD, ANCLADO O GO-FRADO) SUSTITUIBLE, TOTALMENTE COLOCADO I/ NIVELACIÓN DEL APOYO CON MORTERO ESPECIAL DE ALTA RESISTENCIA Y AUTONIVELANTE.			
04.01.01.04.02	ud SUMIDERO DE FUNDICIÓN 200 MM X 200 MM	4,00	75,28	301,12
(690.0080)	SUMIDERO DE FUNDICIÓN DE 200 X 200 MM. EN TABLERO, INCLUYENDO EL TU-BO DE DESAGÜE DE PVC DE 110 MM. DE DIÁMETRO , REJILLA DE FUNDICIÓN Y MARCO PARA LA MISMA, TOTALMENTE COLOCADO.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.01.01.04.03	m JUNTA DE DILATACIÓN PARA TABLERO DE 70 mm DE MOVIMIENTO MÁXIMO, TIPO JNA O SIMILAR	18,80	374,58	7.042,10
(694.0020)	JUNTA DE DILATACIÓN PARA TABLERO DE 70 mm DE MOVIMIENTO MÁXIMO, TIPO JNA O SIMILAR, TOTALMENTE COLOCADA i/ P.P. DE OPERACIONES DE CORTE Y DEMOLICIÓN, PERFORACIONES, RESINA EPOXI, PERNOS, ANCLAJES QUÍMICOS Y SELLADORES.			
04.01.01.04.04	ud REDACCIÓN DE "PROYECTO E INFORME DE PRUEBA DE CARGA" EN PUENTE HIPERESTÁTICO	1,00	3.324,72	3.324,72
(695.0020)	REDACCIÓN DE "PROYECTO E INFORME DE PRUEBA DE CARGA" DESCRIBIENDO LOS MEDIOS EMPLEADOS Y LOS RESULTADOS OBTENIDOS i/ LA REALIZACIÓN DE LOS CÁLCULOS Y LA DEFINICIÓN DE LOS PLANOS QUE SE CONSIDERE NECESARIO, EN PUENTES HIPERESTÁTICOS			
04.01.01.04.05	día PUESTA A DISPOSICIÓN Y PRESTACIÓN DE SERVICIO DE VEHÍCULO DE SUMINISTRO DE CARGA	6,00	465,47	2.792,82
(695.0120)	PUESTA A DISPOSICIÓN Y PRESTACIÓN DE SERVICIO DE VEHÍCULO DE SUMINISTRO DE CARGA			
04.01.01.04.06	ud REALIZACIÓN DE PRUEBA DE CARGA EN PUENTE HIPERESTÁTICO DE HASTA 4 VANOS DE LUZ MÁXIMA > 40 m	1,00	4.313,63	4.313,63
(695.0100)	REALIZACIÓN DE PRUEBA DE CARGA EN PUENTE HIPERESTÁTICO DE HASTA 4 VANOS DE LUZ MÁXIMA > 40 m			
TOTAL 04.01.01.04				24.126,81
TOTAL 04.01.01				797.759,91

04.01.02 VD2-PUENTE 2

04.01.02.01 TRABAJOS PREVIOS Y CIMENTACIONES

04.01.02.01.01	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	644,41	0,57	367,31
(300.0010)	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VERTEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.01.02.01.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	894,99	6,70	5.996,43
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.01.02.01.03	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA	565,40	8,45	4.777,63
(332.0050)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMOS, YACIMIENTO GRANULAR Y/O CANTERA, i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
04.01.02.01.04	ud EQUIPO Y MEDIOS AUXILIARES PILOTES HASTA 1200 mm	1,00	8.000,00	8.000,00
(680.1000)	TRANSPORTE, MONTAJE Y RETIRADA DEL EQUIPO Y MEDIOS AUXILIARES PARA EJECUCIÓN DE PILOTES DE DIÁMETRO HASTA 1200 mm.			
04.01.02.01.05	ud EQUIPO Y MEDIOS AUXILIARES PARA CAMBIO ENTRE TAJOS DE PILOTES DE HASTA 1200 mm DISTANCIADOS MÁS DE 2 km CON GÓNDOLA	1,00	5.000,00	5.000,00
(680.1020)	TRANSPORTE, MONTAJE Y RETIRADA DEL EQUIPO Y MEDIOS AUXILIARES PARA CAMBIO ENTRE TAJOS PARA PILOTES HASTA 1200 mm DISTANCIADOS MÁS DE 2 km CON GÓNDOLA.			
04.01.02.01.06	ud ENSAYO POR "CROSS-HOLE" ULTRASÓNICO (4 TUBOS, 6 DIAGRAFÍAS POR PILOTE) HASTA 35 m DE PROFUNDIDAD	24,00	75,00	1.800,00
(308.0060)	ENSAYO DE INTEGRIDAD ESTRUCTURAL POR "CROSS-HOLE" ULTRASÓNICO DE PILOTE INSTRUMENTADO CON CUATRO (4) TUBOS (6 DIAGRAFÍAS POR PILOTE) HASTA 35 m DE PROFUNDIDAD.			
04.01.02.01.07	m SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEG	696,00	5,20	3.619,20
(308.0020)	SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEGURAR SU ESTANQUEIDAD, COMPLETAMENTE FIJADO A LA ARMADURA DEL PILOTE			
04.01.02.01.08	m PILOTE DE DIÁMETRO DE 1000 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD	174,00	85,78	14.925,72
(671.0050)	PERFORACIÓN DE PILOTE DE DIÁMETRO DE 1000 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD i/ CAMISA Y SU RECUPERACIÓN.			
04.01.02.01.09	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA	32,46	66,48	2.157,94
(610.0010)	HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.			
04.01.02.01.10	m² ENCOFRADO OCULTO PLANO	321,70	28,44	9.149,15
(680.0010)	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.01.02.01.11	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS	529,13	109,05	57.701,63
(610.0060)	HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS.			
04.01.02.01.12	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	51737,26	1,81	93.644,44
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.01.02.01.13	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP	285,16	2,32	661,57
(690.0070)	PINTADO DE IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINO-SA CATIÓNICA AL 50% DE BETÚN, C50 BF5 IMP.			
04.01.02.01.14	m MICROPILOTE HASTA 180 mm INYECCIÓN TIPO IRS LECHADA HASTA 40 kg CEMENTO	2496,00	69,61	173.746,56
(671.1060)	MICROPILOTE DE HASTA 180 mm DE DIÁMETRO E INYECCIÓN TIPO IRS CON LE-CHADA DE CEMENTO DE HASTA 40 kg DE CEMENTO/m (SIN ARMADURA).			
04.01.02.01.15	t ACERO PARA ARMADURA TUBULAR PARA MICROPILOTES (INCLUIDO UNIONES ROSCADAS).	49,92	2.200,00	109.824,00
(671.1220)	ACERO PARA ARMADURA TUBULAR PARA MICROPILOTES (INCLUIDO TODAS LAS UNIONES ROSCADAS NECESARIAS).			
04.01.02.01.16	m ANCLAJE PROVISIONAL CON INYECCIÓN REPETITIVA Y SELECTIVA (IRS) TIPO 2B (8 CABLES)	380,00	155,35	59.033,00
(675.1060)	ANCLAJE TIPO 2B (8 CABLES), PROBADO Y ACEPTADO i/ EMPLAZAMIENTOS, PER-FORACIÓN, SUMINISTRO Y COLOCACIÓN DEL TIRANTE, INYECCIÓN Y MATERIAL AUXILIAR (CENTRADORES, SEPARADORES, TUBOS, ETC).			
04.01.02.01.17	ud PARTE FIJA DEL ANCLAJE TIPO 1, 2A, 2B, 5, 6A Y 6B	19,00	106,00	2.014,00
(675.1250)	PARTE FIJA DEL ANCLAJE TIPO 1, 2A, 2B, 5, 6A Y 6B, i/ ELIMINACIÓN DE LONGI-TUD DEL TIRANTE SOBRANTE, CABEZA DE ANCLAJE Y TESADO CON ENSAYO DE ACEPTACIÓN, SELLADO, IMPERMEABILIZACIÓN Y CUALQUIER OPERACIÓN NECE-SARIA PARA LA PUESTA EN SERVICIO.			
TOTAL 04.01.02.01				552.418,58

04.01.02.02	ALZADOS			
04.01.02.02.01	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	47711,25	1,81	86.357,36
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DO-BLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RE-COCIDO Y SEPARADORES.			
04.01.02.02.02	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	311,07	113,62	35.343,77
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TA-BLEROS, LOSAS, MUROS Y MARCOS.			
04.01.02.02.03	m² ENCOFRADO VISTO PLANO	836,00	33,91	28.348,76
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRA-DO, EJECUTADO CON MADERA MACHIHEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PA-RA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.01.02.02.04	m² ENCOFRADO VISTO CURVO	88,13	44,95	3.961,44
(680.0040)	ENCOFRADO PARA PARAMENTOS VISTOS CURVOS Y POSTERIOR DESENCOFRA-DO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELE-MENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.01.02.02.05	m³ ALIGERAMIENTO DE POLIESTIRENO EXPANDIDO	0,11	79,18	8,71
(682.0010)	ALIGERAMIENTO DE POLIESTIRENO EXPANDIDO.			
04.01.02.02.06	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA	400,75	29,17	11.689,88
(690.0050)	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, ALE-TAS?) CON LÁMINA ASFÁLTICA. CONSTITUÍDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOPLETE AL SOPORTE PREVIAMENTE IMPRIMADO (SOLAPES DE 8 cm MÍNIMO); LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHE-RIDA AL SOPORTE CON SOPLETE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CO-RRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEX-TIL. LISTA PARA VERTER TIERRAS.			
TOTAL 04.01.02.02				165.709,92

04.01.02.03	TABLERO			
04.01.02.03.01	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	38750,25	1,81	70.137,95
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DO-BLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RE-COCIDO Y SEPARADORES.			
04.01.02.03.02	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	221,43	113,62	25.158,88
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TA-BLEROS, LOSAS, MUROS Y MARCOS.			
04.01.02.03.03	m² PRELOSA PREFABRICADA DE HORMIGÓN CON CELOSÍA DE HASTA 8 cm DE ESPESOR	1006,50	85,92	86.478,48
(630.3010)	PRELOSA PREFABRICADA DE HORMIGÓN CON CELOSÍA DE HASTA 8 cm DE ESPE-SOR, COMPLETAMENTE EJECUTADA i/ SUMINISTRO, TRANSPORTE Y COLOCA-CIÓN.			
04.01.02.03.04	m² IMPERMEABILIZACIÓN DE TABLEROS DE PUENTES CON LÁMINA SBS EN SISTEMA BICAPA	1006,50	34,26	34.482,69
(690.0031)	IMPERMEABILIZACIÓN DEL TABLERO MEDIANTE LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO SBS EN SISTEMA BICAPA, FORMADA POR CAPA INFERIOR DE MA-SA NOMINAL 3kg/m2 Y FIELTRO DE FIBRA DE VIDRIO Y CAPA SUPERIOR AUTO-PROTEGIDA CON GRÁNULOS CERÁMICOS, DE 6 kg/m2 DE MASA NOMINAL, TO-TALMENTE ADHERIDA AL SOPORTE CON SOPLETE, INCLUSO PREPARACIÓN Y LIMPIEZA PREVIA DEL SOPORTE, SOLAPES Y PRUEBAS DE ESTANQUEIDAD. TOTAL-MENTE TERMINADA.			
04.01.02.03.05	m VIGA PREFABRICADA PRETENSADA ARTESA TIPO MONOCAJÓN DE H=120 cm	110,00	2.048,96	225.385,60
(614.0100)	VIGA PREFABRICADA PRETENSADA ARTESA TIPO MONOCAJÓN DE H= 120 cm, ANCHO DE LOSA INFERIOR > 3 m i/ TRANSPORTE, COLOCACIÓN Y TODOS LOS MATERIALES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNI-DAD DE OBRA.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.01.02.03.06	kg ACERO ESPECIAL Y1030H EN BARRAS PARA PRETENSAR	1064,88	6,23	6.634,20
(601.0020)	ACERO ESPECIAL Y1030H EN BARRAS PARA PRETENSAR.			
TOTAL 04.01.02.03				448.277,80
04.01.02.04	ACABADOS Y EQUIPAMIENTOS			
04.01.02.04.01	dm³ APARATO DE APOYO DE NEOPRENO ZUNCHADO (STANDARD, ANCLADO O GOFRADO) SUSTITUIBLE	276,00	28,77	7.940,52
(692.0100)	APARATO DE APOYO DE NEOPRENO ZUNCHADO (STANDARD, ANCLADO O GOFRADO) SUSTITUIBLE, TOTALMENTE COLOCADO i/ NIVELACIÓN DEL APOYO CON MORTERO ESPECIAL DE ALTA RESISTENCIA Y AUTONIVELANTE.			
04.01.02.04.02	ud SUMIDERO DE FUNDICIÓN 200 MM X 200 MM	4,00	75,28	301,12
(690.0080)	SUMIDERO DE FUNDICIÓN DE 200 X 200 MM. EN TABLERO, INCLUYENDO EL TUBO DE DESAGÜE DE PVC DE 110 MM. DE DIÁMETRO , REJILLA DE FUNDICIÓN Y MARCO PARA LA MISMA, TOTALMENTE COLOCADO.			
04.01.02.04.03	m JUNTA DE DILATACIÓN PARA TABLERO DE 70 mm DE MOVIMIENTO MÁXIMO, TIPO JNA O SIMILAR	18,30	374,58	6.854,81
(694.0020)	JUNTA DE DILATACIÓN PARA TABLERO DE 70 mm DE MOVIMIENTO MÁXIMO, TIPO JNA O SIMILAR, TOTALMENTE COLOCADA i/ P.P. DE OPERACIONES DE CORTE Y DEMOLICIÓN, PERFORACIONES, RESINA EPOXI, PERNOS, ANCLAJES QUÍMICOS Y SELLADORES.			
04.01.02.04.04	ud REDACCIÓN DE "PROYECTO E INFORME DE PRUEBA DE CARGA" EN PUENTE HIPERESTÁTICO	1,00	3.324,72	3.324,72
(695.0020)	REDACCIÓN DE "PROYECTO E INFORME DE PRUEBA DE CARGA" DESCRIBIENDO LOS MEDIOS EMPLEADOS Y LOS RESULTADOS OBTENIDOS i/ LA REALIZACIÓN DE LOS CÁLCULOS Y LA DEFINICIÓN DE LOS PLANOS QUE SE CONSIDERE NECESARIO, EN PUENTES HIPERESTÁTICOS			
04.01.02.04.05	día PUESTA A DISPOSICIÓN Y PRESTACIÓN DE SERVICIO DE VEHÍCULO DE SUMINISTRO DE CARGA	6,00	465,47	2.792,82
(695.0120)	PUESTA A DISPOSICIÓN Y PRESTACIÓN DE SERVICIO DE VEHÍCULO DE SUMINISTRO DE CARGA			
04.01.02.04.06	ud REALIZACIÓN DE PRUEBA DE CARGA EN PUENTE HIPERESTÁTICO DE HASTA 4 VANOS DE LUZ MÁXIMA > 40 m	1,00	4.313,63	4.313,63
(695.0100)	REALIZACIÓN DE PRUEBA DE CARGA EN PUENTE HIPERESTÁTICO DE HASTA 4 VANOS DE LUZ MÁXIMA > 40 m			
TOTAL 04.01.02.04				25.527,62
TOTAL 04.01.02				1.191.933,92

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.01.03	VD3A-PUENTE BARRANCO DE LA FUENTE			
04.01.03.01	TRABAJOS PREVIOS Y CIMENTACIONES			
04.01.03.01.01	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	502,14	0,57	286,22
(300.0010)	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VERTEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.01.03.01.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	786,66	6,70	5.270,62
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.01.03.01.03	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA	375,33	8,45	3.171,54
(332.0050)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMOS, YACIMIENTO GRANULAR Y/O CANTERA, i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
04.01.03.01.04	ud EQUIPO Y MEDIOS AUXILIARES PILOTES HASTA 1200 mm	1,00	8.000,00	8.000,00
(680.1000)	TRANSPORTE, MONTAJE Y RETIRADA DEL EQUIPO Y MEDIOS AUXILIARES PARA EJECUCIÓN DE PILOTES DE DIÁMETRO HASTA 1200 mm.			
04.01.03.01.05	ud EQUIPO Y MEDIOS AUXILIARES PARA CAMBIO ENTRE TAJOS DE PILOTES DE HASTA 1200 mm DISTANCIADOS MÁS DE 2 km CON GÓNDOLA	1,00	5.000,00	5.000,00
(680.1020)	TRANSPORTE, MONTAJE Y RETIRADA DEL EQUIPO Y MEDIOS AUXILIARES PARA CAMBIO ENTRE TAJOS PARA PILOTES HASTA 1200 mm DISTANCIADOS MÁS DE 2 km CON GÓNDOLA.			
04.01.03.01.06	m PILOTE DE DIÁMETRO DE 1200 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD	180,00	96,52	17.373,60
(671.0060)	PERFORACIÓN DE PILOTE DE DIÁMETRO DE 1200 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD i/ CAMISA Y SU RECUPERACIÓN.			
04.01.03.01.07	m PILOTE DE DIÁMETRO DE 1000 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD	92,00	85,78	7.891,76
(671.0050)	PERFORACIÓN DE PILOTE DE DIÁMETRO DE 1000 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD i/ CAMISA Y SU RECUPERACIÓN.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN		CANTIDAD	PRECIO	IMPORTE
04.01.03.01.08	m	PILOTE DE DIÁMETRO DESDE 650 HASTA 850 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD	76,00	65,13	4.949,88
(671.0040)		PERFORACIÓN DE PILOTE DE DIÁMETRO DESDE 650 HASTA 850 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD I/ CAMISA Y SU RECUPERACIÓN.			
04.01.03.01.09	ud	ENSAYO POR "CROSS-HOLE" ULTRASÓNICO (4 TUBOS, 6 DIAGRAFÍAS POR PILOTE) HASTA 35 m DE PROFUNDIDAD	264,00	75,00	19.800,00
(308.0060)		ENSAYO DE INTEGRIDAD ESTRUCTURAL POR "CROSS-HOLE" ULTRASÓNICO DE PILOTE INSTRUMENTADO CON CUATRO (4) TUBOS (6 DIAGRAFÍAS POR PILOTE) HASTA 35 m DE PROFUNDIDAD.			
04.01.03.01.10	m	SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEG	1316,00	5,20	6.843,20
(308.0020)		SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEGURAR SU ESTANQUEIDAD, COMPLETAMENTE FIJADO A LA ARMADURA DEL PILOTE			
04.01.03.01.11	m³	HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA	39,73	66,48	2.641,25
(610.0010)		HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.			
04.01.03.01.12	m²	ENCOFRADO OCULTO PLANO	241,70	28,44	6.873,95
(680.0010)		ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.01.03.01.13	m³	HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS	764,44	109,05	83.362,18
(610.0060)		HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS.			
04.01.03.01.14	kg	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	99744,31	1,81	180.537,20
(600.0010)		ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
04.01.03.01.15	m²	IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP	626,09	2,32	1.452,53
(690.0070)		PINTADO DE IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINO-SA CATIÓNICA AL 50% DE BETÚN, C50 BF5 IMP.			
TOTAL 04.01.03.01					353.453,93

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CODIGO	RESUMEN		CANTIDAD	PRECIO	IMPORTE
04.01.03.02 ALZADOS					
04.01.03.02.01	kg	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	97198,20	1,81	175.928,74
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.				
04.01.03.02.02	m³	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	645,83	113,62	73.379,20
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.				
04.01.03.02.03	m²	ENCOFRADO VISTO PLANO	1039,04	33,91	35.233,85
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHIHEMBRAIDA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.				
04.01.03.02.04	m²	ENCOFRADO VISTO CURVO	135,65	44,95	6.097,47
(680.0040)	ENCOFRADO PARA PARAMENTOS VISTOS CURVOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.				
04.01.03.02.05	m²	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA	485,20	29,17	14.153,28
(690.0050)	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, ALERTAS?) CON LÁMINA ASFÁLTICA. CONSTITUÍDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOPLATE AL SOPORTE PREVIAMENTE IMPRIMADO (SOLAPES DE 8 cm MÍNIMO); LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHERIDA AL SOPORTE CON SOPLATE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CORRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEXTIL. LISTA PARA VERTER TIERRAS.				
04.01.03.02.06	m³	ALIGERAMIENTO DE POLIESTIRENO EXPANDIDO	0,17	79,18	13,46
(682.0010)	ALIGERAMIENTO DE POLIESTIRENO EXPANDIDO.				
TOTAL 04.01.03.02					304.806,00
04.01.03.03 TABLERO					
04.01.03.03.01	kg	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	18967,20	1,81	34.330,63
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.				

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.01.03.03.02	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	151,74	113,62	17.240,70
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
04.01.03.03.03	m VIGA PREFABRICADA DOBLE T DE H=120 cm	338,40	456,33	154.422,07
(614.1020)	VIGA PREFABRICADA DOBLE T DE H=120 cm i/ TRANSPORTE, COLOCACIÓN Y TODOS LOS MATERIALES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA.			
04.01.03.03.04	m² PRELOSA PREFABRICADA DE HORMIGÓN DE HASTA 6 cm DE ESPESOR	722,56	55,50	40.102,08
(630.3000)	PRELOSA PREFABRICADA DE HORMIGÓN DE HASTA 6 cm DE ESPESOR, COMPLETAMENTE EJECUTADA i/ SUMINISTRO, TRANSPORTE Y COLOCACIÓN.			
04.01.03.03.05	m² IMPERMEABILIZACIÓN DE TABLEROS DE PUENTES CON LÁMINA SBS EN SISTEMA BICAPA	722,56	34,26	24.754,91
(690.0031)	IMPERMEABILIZACIÓN DEL TABLERO MEDIANTE LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO SBS EN SISTEMA BICAPA, FORMADA POR CAPA INFERIOR DE MASA NOMINAL 3kg/m2 Y FIELTRO DE FIBRA DE VIDRIO Y CAPA SUPERIOR AUTOPROTEGIDA CON GRÁNULOS CERÁMICOS, DE 6 kg/m2 DE MASA NOMINAL, TOTALMENTE ADHERIDA AL SOPORTE CON SOPLETE, INCLUSO PREPARACIÓN Y LIMPIEZA PREVIA DEL SOPORTE, SOLAPES Y PRUEBAS DE ESTANQUEIDAD. TOTALMENTE TERMINADA.			
TOTAL 04.01.03.03				270.850,39

04.01.03.04 ACABADOS Y EQUIPAMIENTO

04.01.03.04.01	dm³ APARATO DE APOYO DE NEOPRENO ZUNCHADO (STANDARD, ANCLADO O GOFRADO) SUSTITUIBLE	195,84	28,77	5.634,32
(692.0100)	APARATO DE APOYO DE NEOPRENO ZUNCHADO (STANDARD, ANCLADO O GOFRADO) SUSTITUIBLE, TOTALMENTE COLOCADO i/ NIVELACIÓN DEL APOYO CON MORTERO ESPECIAL DE ALTA RESISTENCIA Y AUTONIVELANTE.			
04.01.03.04.02	ud SUMIDERO DE FUNDICIÓN 200 MM X 200 MM	4,00	75,28	301,12
(690.0080)	SUMIDERO DE FUNDICIÓN DE 200 X 200 MM. EN TABLERO, INCLUYENDO EL TUBO DE DESAGÜE DE PVC DE 110 MM. DE DIÁMETRO , REJILLA DE FUNDICIÓN Y MARCO PARA LA MISMA, TOTALMENTE COLOCADO.			
04.01.03.04.03	m JUNTA DE DILATACIÓN PARA TABLERO DE 50 mm DE MOVIMIENTO MÁXIMO, TIPO JNA O SIMILAR	25,60	286,32	7.329,79
(694.0010)	JUNTA DE DILATACIÓN PARA TABLERO DE 50 mm DE MOVIMIENTO MÁXIMO, TIPO JNA O SIMILAR, TOTALMENTE COLOCADA i/ P.P. DE OPERACIONES DE CORTE Y DEMOLICIÓN, PERFORACIONES, RESINA EPOXI, PERNOS, ANCLAJES QUÍMICOS Y SELLADORES.			
04.01.03.04.04	ud REDACCIÓN DE "PROYECTO E INFORME DE PRUEBA DE CARGA" EN PUENTE ISOSTÁTICO	1,00	1.819,35	1.819,35
(695.0010)	REDACCIÓN DE "PROYECTO E INFORME DE PRUEBA DE CARGA" DESCRIBIENDO LOS MEDIOS EMPLEADOS Y LOS RESULTADOS OBTENIDOS i/ LA REALIZACIÓN DE LOS CÁLCULOS Y LA DEFINICIÓN DE LOS PLANOS QUE SE CONSIDERE NECESARIO, EN PUENTES ISOSTÁTICOS			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.01.03.04.05	día PUESTA A DISPOSICIÓN Y PRESTACIÓN DE SERVICIO DE VEHÍCULO DE SUMINISTRO DE CARGA	6,00	465,47	2.792,82
(695.0120)	PUESTA A DISPOSICIÓN Y PRESTACIÓN DE SERVICIO DE VEHÍCULO DE SUMINISTRO DE CARGA			
04.01.03.04.06	ud REALIZACIÓN DE PRUEBA DE CARGA EN PUENTE ISOSTÁTICO DE UN VANO > 20 m O EN EL 1ER VANO DE UN PUENTE DE VARIOS VANOS ISOSTÁTICOS	1,00	2.775,98	2.775,98
(695.0060)	REALIZACIÓN DE PRUEBA DE CARGA EN PUENTE ISOSTÁTICO DE UN VANO > 20 m O EN EL 1ER VANO DE UN PUENTE DE VARIOS VANOS ISOSTÁTICOS DE LUCES > 20 m			
TOTAL 04.01.03.04				20.653,38
TOTAL 04.01.03				949.763,70

04.01.04 VD3B-AMPLIACIÓN BARRANCO DE LA FUENTE

04.01.04.01 TRABAJOS PREVIOS Y CIMENTACIONES

04.01.04.01.01	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	558,46	0,57	318,32
(300.0010)	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VERTEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.01.04.01.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	856,84	6,70	5.740,83
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEOS DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.01.04.01.03	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA	499,30	8,45	4.219,09
(332.0050)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMOS, YACIMIENTO GRANULAR Y/O CANTERA, i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
04.01.04.01.04	ud EQUIPO Y MEDIOS AUXILIARES PILOTES HASTA 1200 mm	1,00	8.000,00	8.000,00
(680.1000)	TRANSPORTE, MONTAJE Y RETIRADA DEL EQUIPO Y MEDIOS AUXILIARES PARA EJECUCIÓN DE PILOTES DE DIÁMETRO HASTA 1200 mm.			
04.01.04.01.05	ud EQUIPO Y MEDIOS AUXILIARES PARA CAMBIO ENTRE TAJOS DE PILOTES DE HASTA 1200 mm DISTANCIADOS MÁS DE 2 km CON GÓNDOLA	1,00	5.000,00	5.000,00
(680.1020)	TRANSPORTE, MONTAJE Y RETIRADA DEL EQUIPO Y MEDIOS AUXILIARES PARA CAMBIO ENTRE TAJOS PARA PILOTES HASTA 1200 mm DISTANCIADOS MÁS DE 2			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	km CON GÓNDOLA.			
04.01.04.01.06	m PILOTE DE DIÁMETRO DESDE 650 HASTA 850 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD	209,00	65,13	13.612,17
(671.0040)	PERFORACIÓN DE PILOTE DE DIÁMETRO DESDE 650 HASTA 850 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD I/ CAMISA Y SU RECUPERACIÓN.			
04.01.04.01.07	ud ENSAYO POR "CROSS-HOLE" ULTRASÓNICO (4 TUBOS, 6 DIAGRAFÍAS POR PILOTE) HASTA 35 m DE PROFUNDIDAD	22,00	75,00	1.650,00
(308.0060)	ENSAYO DE INTEGRIDAD ESTRUCTURAL POR "CROSS-HOLE" ULTRASÓNICO DE PILOTE INSTRUMENTADO CON CUATRO (4) TUBOS (6 DIAGRAFÍAS POR PILOTE) HASTA 35 m DE PROFUNDIDAD.			
04.01.04.01.08	m SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEG	456,00	5,20	2.371,20
(308.0020)	SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEGURAR SU ESTANQUEIDAD, COMPLETAMENTE FIJADO A LA ARMADURA DEL PILOTE			
04.01.04.01.09	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA	40,98	66,48	2.724,35
(610.0010)	HORMIGÓN DE LIMPIEZA C12/15 EN CIMENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.			
04.01.04.01.10	m² ENCOFRADO OCULTO PLANO	248,68	28,44	7.072,46
(680.0010)	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.01.04.01.11	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS	509,90	109,05	55.604,60
(610.0060)	HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS.			
04.01.04.01.12	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	49285,00	1,81	89.205,85
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
04.01.04.01.13	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP	187,48	2,32	434,95
(690.0070)	PINTADO DE IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINO-SA CATIÓNICA AL 50% DE BETÚN, C50 BF5 IMP.			
TOTAL 04.01.04.01				195.953,82

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.01.04.02	ALZADOS			
04.01.04.02.01	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	38749,50	1,81	70.136,60
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
04.01.04.02.02	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	226,18	113,62	25.698,57
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
04.01.04.02.03	m² ENCOFRADO VISTO PLANO	431,24	33,91	14.623,35
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHIIHEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.01.04.02.04	m² ENCOFRADO VISTO CURVO	146,95	44,95	6.605,40
(680.0040)	ENCOFRADO PARA PARAMENTOS VISTOS CURVOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.01.04.02.05	m³ ALIGERAMIENTO DE POLIESTIRENO EXPANDIDO	0,17	79,18	13,46
(682.0010)	ALIGERAMIENTO DE POLIESTIRENO EXPANDIDO.			
04.01.04.02.06	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA	194,80	29,17	5.682,32
(690.0050)	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, ALETAS?) CON LÁMINA ASFÁLTICA. CONSTITUÍDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOPLETE AL SOPORTE PREVIAMENTE IMPRIMADO (SOLAPES DE 8 cm MÍNIMO); LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHERIDA AL SOPORTE CON SOPLETE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CORRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEXTIL. LISTA PARA VERTER TIERRAS.			
TOTAL 04.01.04.02				122.759,70
04.01.04.03	TABLERO			
04.01.04.03.01	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	19035,00	1,81	34.453,35
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.01.04.03.02	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	152,28	113,62	17.302,05
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
04.01.04.03.03	m VIGA PREFABRICADA DOBLE T DE H=120 cm	394,80	456,33	180.159,08
(614.1020)	VIGA PREFABRICADA DOBLE T DE H=120 cm i/ TRANSPORTE, COLOCACIÓN Y TODOS LOS MATERIALES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA.			
04.01.04.03.04	m² PRELOSA PREFABRICADA DE HORMIGÓN DE HASTA 6 cm DE ESPESOR	761,40	55,50	42.257,70
(630.3000)	PRELOSA PREFABRICADA DE HORMIGÓN DE HASTA 6 cm DE ESPESOR, COMPLETAMENTE EJECUTADA i/ SUMINISTRO, TRANSPORTE Y COLOCACIÓN.			
04.01.04.03.05	m² IMPERMEABILIZACIÓN DE TABLEROS DE PUENTES CON LÁMINA SBS EN SISTEMA BICAPA	761,40	34,26	26.085,56
(690.0031)	IMPERMEABILIZACIÓN DEL TABLERO MEDIANTE LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO SBS EN SISTEMA BICAPA, FORMADA POR CAPA INFERIOR DE MASA NOMINAL 3kg/m2 Y FIELTRO DE FIBRA DE VIDRIO Y CAPA SUPERIOR AUTOPROTEGIDA CON GRÁNULOS CERÁMICOS, DE 6 kg/m2 DE MASA NOMINAL, TOTALMENTE ADHERIDA AL SOPORTE CON SOPLETE, INCLUSO PREPARACIÓN Y LIMPIEZA PREVIA DEL SOPORTE, SOLAPES Y PRUEBAS DE ESTANQUEIDAD. TOTALMENTE TERMINADA.			
04.01.04.03.06	m³ HIDRODEMOLICIÓN AUTOMATIZADA	20,87	1.832,13	38.236,55
(301.0085)	HIDRODEMOLICIÓN AUTOMATIZADA DE CUALQUIER ELEMENTO HASTA DEJAR ARMADURAS A LA VISTA Y SIN RASTRO DE OXIDACIÓN, EJECUTADA CON TÉCNICAS DE HIDRODEMOLICIÓN CON ROBOT ESPECÍFICO DE ALTA PRESIÓN (1000 BAR O SUPERIOR), QUE PERMITA LA EJECUCIÓN CONTROLADA AUTOMÁTICAMENTE. INCLUIDO PARTE PROPORCIONAL DE REPLANTEO, LIMPIEZA, MEDIOS AUXILIARES, HERRAMIENTAS, MAQUINARIA Y MANO DE OBRA ESPECIALIZADA, ACOPIOS INTERMEDIOS, CONTROL, ASEGURAMIENTO DE LA CALIDAD Y CARGA Y TRANSPORTE DE MATERIAL DEMOLIDO A GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.			
04.01.04.03.07	ud OPERACIONES DE IZADO DE LOS TABLEROS	1,00	178.504,00	178.504,00
(SE01N)				
TOTAL 04.01.04.03				516.998,29
04.01.04.04	ACABADOS Y EQUIPAMIENTO			
04.01.04.04.01	dm³ APARATO DE APOYO DE NEOPRENO ZUNCHADO (STANDARD, ANCLADO O GOFRADO) SUSTITUIBLE	227,36	28,77	6.541,15
(692.0100)	APARATO DE APOYO DE NEOPRENO ZUNCHADO (STANDARD, ANCLADO O GOFRADO) SUSTITUIBLE, TOTALMENTE COLOCADO i/ NIVELACIÓN DEL APOYO CON MORTERO ESPECIAL DE ALTA RESISTENCIA Y AUTONIVELANTE.			
04.01.04.04.02	ud SUMIDERO DE FUNDICIÓN 200 MM X 200 MM	4,00	75,28	301,12
(690.0080)	SUMIDERO DE FUNDICIÓN DE 200 X 200 MM. EN TABLERO, INCLUYENDO EL TUBO DE DESAGÜE DE PVC DE 110 MM. DE DIÁMETRO , REJILLA DE FUNDICIÓN Y MARCO PARA LA MISMA, TOTALMENTE COLOCADO.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.01.04.04.03	m JUNTA DE DILATACIÓN PARA TABLERO DE 50 mm DE MOVIMIENTO MÁXIMO, TIPO JNA O SIMILAR	27,00	286,32	7.730,64
(694.0010)	JUNTA DE DILATACIÓN PARA TABLERO DE 50 mm DE MOVIMIENTO MÁXIMO, TIPO JNA O SIMILAR, TOTALMENTE COLOCADA i/ P.P. DE OPERACIONES DE CORTE Y DEMOLICIÓN, PERFORACIONES, RESINA EPOXI, PERNOS, ANCLAJES QUÍMICOS Y SELLADORES.			
04.01.04.04.04	ud REDACCIÓN DE "PROYECTO E INFORME DE PRUEBA DE CARGA" EN PUENTE ISOSTÁTICO	1,00	1.819,35	1.819,35
(695.0010)	REDACCIÓN DE "PROYECTO E INFORME DE PRUEBA DE CARGA" DESCRIBIENDO LOS MEDIOS EMPLEADOS Y LOS RESULTADOS OBTENIDOS i/ LA REALIZACIÓN DE LOS CÁLCULOS Y LA DEFINICIÓN DE LOS PLANOS QUE SE CONSIDERE NECESARIO, EN PUENTES ISOSTÁTICOS			
04.01.04.04.05	día PUESTA A DISPOSICIÓN Y PRESTACIÓN DE SERVICIO DE VEHÍCULO DE SUMINISTRO DE CARGA	6,00	465,47	2.792,82
(695.0120)	PUESTA A DISPOSICIÓN Y PRESTACIÓN DE SERVICIO DE VEHÍCULO DE SUMINISTRO DE CARGA			
04.01.04.04.06	ud REALIZACIÓN DE PRUEBA DE CARGA EN PUENTE ISOSTÁTICO DE UN VANO > 20 m O EN EL 1ER VANO DE UN PUENTE DE VARIOS VANOS ISOSTÁTICOS	1,00	2.775,98	2.775,98
(695.0060)	REALIZACIÓN DE PRUEBA DE CARGA EN PUENTE ISOSTÁTICO DE UN VANO > 20 m O EN EL 1ER VANO DE UN PUENTE DE VARIOS VANOS ISOSTÁTICOS DE LUCES > 20 m			
TOTAL 04.01.04.04				21.961,06
TOTAL 04.01.04				857.672,87
TOTAL 04.01				3.797.130,40
04.02	PASOS SUPERIORES			
04.02.01	PS1-PASO SUPERIOR 1			
04.02.01.01	TRABAJOS PREVIOS Y CIMENTACIONES			
04.02.01.01.01	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	468,00	0,57	266,76
(300.0010)	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VERTEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.02.01.01.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	728,00	6,70	4.877,60
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEÓ DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.02.01.01.03	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA	393,84	8,45	3.327,95
(332.0050)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCE- DENTE DE PRÉSTAMOS, YACIMIENTO GRANULAR Y/O CANTERA, I/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMI- NACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
04.02.01.01.04	m PILOTE DE DIÁMETRO DE 1000 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD	360,00	85,78	30.880,80
(671.0050)	PERFORACIÓN DE PILOTE DE DIÁMETRO DE 1000 mm (INCLUIDO) CON ENTUBA- CIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD i/ CAMISA Y SU RECUPERACIÓN.			
04.02.01.01.05	ud EQUIPO Y MEDIOS AUXILIARES PILOTES HASTA 1200 mm	1,00	8.000,00	8.000,00
(680.1000)	TRANSPORTE, MONTAJE Y RETIRADA DEL EQUIPO Y MEDIOS AUXILIARES PARA EJECUCIÓN DE PILOTES DE DIÁMETRO HASTA 1200 mm.			
04.02.01.01.06	ud EQUIPO Y MEDIOS AUXILIARES PARA CAMBIO ENTRE TAJOS DE PILOTES DE HASTA 1200 mm DISTANCIADOS MÁS DE 2 km CON GÓNDOLA	1,00	5.000,00	5.000,00
(680.1020)	TRANSPORTE, MONTAJE Y RETIRADA DEL EQUIPO Y MEDIOS AUXILIARES PARA CAMBIO ENTRE TAJOS PARA PILOTES HASTA 1200 mm DISTANCIADOS MÁS DE 2 km CON GÓNDOLA.			
04.02.01.01.07	ud ENSAYO POR "CROSS-HOLE" ULTRASÓNICO (4 TUBOS, 6 DIAGRAFÍAS POR PILOTE) HASTA 35 m DE PROFUNDIDAD	30,00	75,00	2.250,00
(308.0060)	ENSAYO DE INTEGRIDAD ESTRUCTURAL POR "CROSS-HOLE" ULTRASÓNICO DE PILOTE INSTRUMENTADO CON CUATRO (4) TUBOS (6 DIAGRAFÍAS POR PILOTE) HASTA 35 m DE PROFUNDIDAD.			
04.02.01.01.08	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA	38,92	66,48	2.587,40
(610.0010)	HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.			
04.02.01.01.09	m³ SUELO SELECCIONADO PROCEDENTE DE YACIMIENTO GRANULAR O CANTERA PARA FORMACION DE EXPLANADA	855,00	9,22	7.883,10
(330.0055)	SUELO SELECCIONADO PROCEDENTE DE YACIMIENTO GRANU- LAR O CANTERA PARA FORMACIÓN DE EXPLANADA EN CORO- NACIÓN DE TERRAPLÉN Y EN FONDO DE DESMONTE i/ CANON DE CANTERA, EXCAVACIÓN DEL MATERIAL, CARGA Y TRANS- PORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES.			
04.02.01.01.10	m SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEG	1080,00	5,20	5.616,00
(308.0020)	SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEGURAR SU ESTANQUEIDAD, COMPLETAMENTE FIJADO A LA ARMADURA DEL PILOTE			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.02.01.01.11	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	67548,00	1,81	122.261,88
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DO- BLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RE- COCIDO Y SEPARADORES.			
04.02.01.01.12	m² ENCOFRADO OCULTO PLANO	203,68	28,44	5.792,66
(680.0010)	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCO- FRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECU- CIÓN.			
04.02.01.01.13	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS	664,76	109,05	72.492,08
(610.0060)	HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS.			
04.02.01.01.14	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP	300,48	2,32	697,11
(690.0070)	PINTADO DE IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINO- SA CATIÓNICA AL 50% DE BETÚN, C50 BF5 IMP.			
04.02.01.01.15	m² SUMINISTRO Y COLOCACIÓN DE GEOTEXTIL NO TEJIDO TIPO 4 COMO FILTRO	855,00	3,56	3.043,80
(290.0040)	GEOTEXTIL FORMADO 100 % POR FIBRAS DE PROLIPROPILENO VIRGEN TIPO 4 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIEN- TES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 6,5 kN/m HASTA 7,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 6,5 kN/m HASTA 7,3 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA DESDE 50% HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA DESDE 55% HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1110 N HASTA 1230 N, PERFORA- CIÓN DINÁMICA (CAIDA CONO) DESDE 33 mm HASTA 31 mm Y PERMEABILIDAD AL AGUA DESDE 3,5 10-6/m²/s HASTA 4,5 10-6/m²/s.			
04.02.01.01.16	m³ DEMOLICIÓN DE LOSA DE HORMIGÓN ARMADO O PRETENSADO, EN TABLERO	590,68	423,16	249.952,15
(301.0080)	DEMOLICIÓN DE LOSA DE HORMIGÓN ARMADO O PRETENSADO, EN TABLERO DE ESTRUCTURAS, i/ DESESCOMBRO, CARGA Y TRANSPORTE DE MATERIAL DE- MOLIDO A GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.			
04.02.01.01.17	m³ DEMOLICIÓN DE FÁBRICA HORMIGÓN ARMADO	604,00	33,07	19.974,28
(301.0020)	DEMOLICIÓN DE FÁBRICA HORMIGÓN ARMADO i/ DESESCOMBRO, CARGA Y TRANSPORTE DE MATERIAL DEMOLIDO A GESTOR AUTORIZADO HASTA UNA DIS- TANCIA DE 60 km.			
04.02.01.01.18	m² CORTE CON DISCO	90,50	624,81	56.545,31
(301.0090)	CORTE CON DISCO i/DESESCOMBRO, CARGA Y TRANSPORTE DE MATERIAL DE- MOLIDO A GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.			
TOTAL 04.02.01.01				601.448,88

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.02.01.02	ALZADOS			
04.02.01.02.01	m² ENCOFRADO VISTO CURVO	96,00	44,95	4.315,20
(680.0040)	ENCOFRADO PARA PARAMENTOS VISTOS CURVOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.02.01.02.02	m² ENCOFRADO VISTO PLANO	147,40	33,91	4.998,33
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHICHEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.02.01.02.03	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	128,95	113,62	14.651,30
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
04.02.01.02.04	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	23458,50	1,81	42.459,89
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
04.02.01.02.05	m³ ALIGERAMIENTO DE POLIESTIRENO EXPANDIDO	0,19	79,18	15,04
(682.0010)	ALIGERAMIENTO DE POLIESTIRENO EXPANDIDO.			
04.02.01.02.06	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA	47,40	29,17	1.382,66
(690.0050)	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, ALERTAS?) CON LÁMINA ASFÁLTICA. CONSTITUÍDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOPLETE AL SOPORTE PREVIAMENTE IMPRIMADO (SOLAPES DE 8 cm MÍNIMO); LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHERIDA AL SOPORTE CON SOPLETE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CORRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEXTIL. LISTA PARA VERTER TIERRAS.			
TOTAL 04.02.01.02				67.822,42
04.02.01.03	TABLERO			
04.02.01.03.01	kg ACERO LAMINADO ESTRUCTURAL S355 J2+N EN CHAPAS	408193,50	3,96	1.616.446,26
(620.0030)	ACERO LAMINADO ESTRUCTURAL S355 J2+N EN CHAPAS i/ P.P. DE DESPUNTES, CORTE, DOBLADO, SOLDADURAS, TRANSPORTE, POSICIONAMIENTO Y COLOCACIÓN EN OBRA, PROTECCIÓN ANTI-CORROSIÓN TOTALMENTE MONTADO.			
04.02.01.03.02	m² PRELOSA PREFABRICADA DE HORMIGÓN CON CELOSÍA DE HASTA 8 cm DE ESPESOR	1651,65	85,92	141.909,77
(630.3010)	PRELOSA PREFABRICADA DE HORMIGÓN CON CELOSÍA DE HASTA 8 cm DE ESPESOR, COMPLETAMENTE EJECUTADA i/ SUMINISTRO, TRANSPORTE Y COLOCA-			
RD6373-F3-PR-LE-D04				33

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	CIÓN.			
04.02.01.03.03	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	363,36	113,62	41.284,96
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
04.02.01.03.04	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	63813,75	1,81	115.502,89
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
04.02.01.03.05	m² IMPERMEABILIZACIÓN DE TABLEROS DE PUENTES CON LÁMINA SBS EN SISTEMA BICAPA	1651,65	34,26	56.585,53
(690.0031)	IMPERMEABILIZACIÓN DEL TABLERO MEDIANTE LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO SBS EN SISTEMA BICAPA, FORMADA POR CAPA INFERIOR DE MASA NOMINAL 3kg/m2 Y FIELTRO DE FIBRA DE VIDRIO Y CAPA SUPERIOR AUTOPROTEGIDA CON GRÁNULOS CERÁMICOS, DE 6 kg/m2 DE MASA NOMINAL, TOTALMENTE ADHERIDA AL SOPORTE CON SOPLETE, INCLUSO PREPARACIÓN Y LIMPIEZA PREVIA DEL SOPORTE, SOLAPES Y PRUEBAS DE ESTANQUEIDAD. TOTALMENTE TERMINADA.			
04.02.01.03.06	m² PINTURA ESTRUCTURA METÁLICA AMBIENTE C4	1233,38	22,14	27.307,03
(SE02_N)	Pintado de estructura de acero con sistema de protección con grado de durabilidad H, para clase de exposición C4, formado por 3 capas, capa de imprimación de 125 µm, capa intermedia de 125 µm, y capa de acabado de 70 µm, con un espesor total de protección de 320 µm, aplicado de forma manual, según UNE-EN ISO 12944.			
TOTAL 04.02.01.03				1.999.036,44
04.02.01.04	ACABADOS Y EQUIPAMIENTOS			
04.02.01.04.01	dm³ APARATO DE APOYO DE NEOPRENO ZUNCHADO (STANDARD, ANCLADO O GOFRADO) SUSTITUIBLE	420,00	28,77	12.083,40
(692.0100)	APARATO DE APOYO DE NEOPRENO ZUNCHADO (STANDARD, ANCLADO O GOFRADO) SUSTITUIBLE, TOTALMENTE COLOCADO i/ NIVELACIÓN DEL APOYO CON MORTERO ESPECIAL DE ALTA RESISTENCIA Y AUTONIVELANTE.			
04.02.01.04.02	ud SUMIDERO DE FUNDICIÓN 200 MM X 200 MM	4,00	75,28	301,12
(690.0080)	SUMIDERO DE FUNDICIÓN DE 200 X 200 MM. EN TABLERO, INCLUYENDO EL TUBO DE DESAGÜE DE PVC DE 110 MM. DE DIÁMETRO , REJILLA DE FUNDICIÓN Y MARCO PARA LA MISMA, TOTALMENTE COLOCADO.			
04.02.01.04.03	m³ PAVIMENTO DE HORMIGÓN EN MASA HF-4,5 CON JUNTAS	57,92	151,03	8.747,66
(550.0020)	PAVIMENTO DE HORMIGÓN EN MASA HF-4,5 TOTALMENTE TERMINADO i/ P.P. DE JUNTAS, SELLADO Y CURADO CON PRODUCTO FILMÓGENO.			
04.02.01.04.04	m BARANDILLA METÁLICA PEATONAL PINTADA S/DO	240,00	234,58	56.299,20
(S04_N)	M DE BARANDILLA METÁLICA PEATONAL APROBADA POR LA DO, PROTEGIDA FRENTE A LA CORROSIÓN. i/ PASAMANOS, TOTALMENTE INSTALADA			
RD6373-F3-PR-LE-D04				33

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.02.01.04.05	m JUNTA DE DILATACIÓN PARA TABLERO DE 80 mm DE MOVIMIENTO MÁXIMO, TIPO JNA O SIMILAR	30,80	478,98	14.752,58
(694.0030)	JUNTA DE DILATACIÓN PARA TABLERO DE 80 mm DE MOVI- MIENTO MÁXIMO, TIPO JNA O SIMILAR, TOTALMENTE COLOCA- DA i/ P.P. DE OPERACIONES DE CORTE Y DEMOLICIÓN, PERFO- RACIONES, RESINA EPOXI, PERNOS, ANCLAJES QUÍMICOS Y SE- LLADORES.			
04.02.01.04.06	ud REDACCIÓN DE "PROYECTO E INFORME DE PRUEBA DE CARGA" EN PUENTE HIPERESTÁTICO	1,00	3.324,72	3.324,72
(695.0020)	REDACCIÓN DE "PROYECTO E INFORME DE PRUEBA DE CARGA" DESCRIBIENDO LOS MEDIOS EMPLEADOS Y LOS RESULTADOS OBTENIDOS i/ LA REALIZACIÓN DE LOS CÁLCULOS Y LA DEFINICIÓN DE LOS PLANOS QUE SE CONSIDERE NECE- SARIO, EN PUENTES HIPERESTÁTICOS			
04.02.01.04.07	día PUESTA A DISPOSICIÓN Y PRESTACIÓN DE SERVICIO DE VEHÍCULO DE SUMINISTRO DE CARGA	6,00	465,47	2.792,82
(695.0120)	PUESTA A DISPOSICIÓN Y PRESTACIÓN DE SERVICIO DE VEHÍCULO DE SUMINIS- TRO DE CARGA			
04.02.01.04.08	ud REALIZACIÓN DE PRUEBA DE CARGA EN PUENTE HIPERESTÁTICO DE HASTA 4 VANOS DE LUZ MÁXIMA > 40 m	1,00	4.313,63	4.313,63
(695.0100)	REALIZACIÓN DE PRUEBA DE CARGA EN PUENTE HIPERESTÁTICO DE HASTA 4 VA- NOS DE LUZ MÁXIMA > 40 m			
TOTAL 04.02.01.04				102.615,13
TOTAL 04.02.01				2.770.922,87

04.02.02 PS2-PASO SUPERIOR 2

04.02.02.01 TRABAJOS PREVIOS Y CIMENTACIONES

04.02.02.01.01	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	558,00	0,57	318,06
(300.0010)	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VER- TEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DIS- TANCIA.			
04.02.02.01.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMENTOS EN TIERRA O TRÁNSITO	1313,00	6,70	8.797,10
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMENTOS EN TIERRA O TRÁNSI- TO, CONSIDERÁNDOSE ZANJAS Y CIMENTOS AQUELLOS QUE TENGAN UNA AN- CHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIEN- TO Y DRENAJE DURANTE LA EJECUCIÓN, SANEOS DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.02.02.01.03	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA	297,39	8,45	2.512,95
(332.0050)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCE- DENTE DE PRÉSTAMOS, YACIMIENTO GRANULAR Y/O CANTERA, i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMI- NACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
04.02.02.01.04	m³ SUELO SELECCIONADO PROCEDENTE DE YACIMIENTO GRANULAR O CANTERA PARA FORMACION DE EXPLANADA	1062,00	9,22	9.791,64
(330.0055)	SUELO SELECCIONADO PROCEDENTE DE YACIMIENTO GRANU- LAR O CANTERA PARA FORMACIÓN DE EXPLANADA EN CORO- NACIÓN DE TERRAPLÉN Y EN FONDO DE DESMONTE i/ CANON DE CANTERA, EXCAVACIÓN DEL MATERIAL, CARGA Y TRANS- PORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES.			
04.02.02.01.05	m PILOTE DE DIÁMETRO DE 1000 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD	420,00	85,78	36.027,60
(671.0050)	PERFORACIÓN DE PILOTE DE DIÁMETRO DE 1000 mm (INCLUIDO) CON ENTUBA- CIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD i/ CAMISA Y SU RECUPERACIÓN.			
04.02.02.01.06	ud EQUIPO Y MEDIOS AUXILIARES PILOTES HASTA 1200 mm	1,00	8.000,00	8.000,00
(680.1000)	TRANSPORTE, MONTAJE Y RETIRADA DEL EQUIPO Y MEDIOS AUXILIARES PARA EJECUCIÓN DE PILOTES DE DIÁMETRO HASTA 1200 mm.			
04.02.02.01.07	ud EQUIPO Y MEDIOS AUXILIARES PARA CAMBIO ENTRE TAJOS DE PILOTES DE HASTA 1200 mm DISTANCIADOS MÁS DE 2 km CON GÓNDOLA	1,00	5.000,00	5.000,00
(680.1020)	TRANSPORTE, MONTAJE Y RETIRADA DEL EQUIPO Y MEDIOS AUXILIARES PARA CAMBIO ENTRE TAJOS PARA PILOTES HASTA 1200 mm DISTANCIADOS MÁS DE 2 km CON GÓNDOLA.			
04.02.02.01.08	ud ENSAYO POR "CROSS-HOLE" ULTRASÓNICO (4 TUBOS, 6 DIAGRAFÍAS POR PILOTE) HASTA 35 m DE PROFUNDIDAD	35,00	75,00	2.625,00
(308.0060)	ENSAYO DE INTEGRIDAD ESTRUCTURAL POR "CROSS-HOLE" ULTRASÓNICO DE PILOTE INSTRUMENTADO CON CUATRO (4) TUBOS (6 DIAGRAFÍAS POR PILOTE) HASTA 35 m DE PROFUNDIDAD.			
04.02.02.01.09	m SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEG	1680,00	5,20	8.736,00
(308.0020)	SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEGURAR SU ESTANQUEIDAD, COMPLETAMENTE FIJADO A LA ARMADURA DEL PILOTE			
04.02.02.01.10	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA	45,62	66,48	3.032,82
(610.0010)	HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.02.02.01.11	m² ENCOFRADO OCULTO PLANO	228,92	28,44	6.510,48
(680.0010)	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.02.02.01.12	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS	807,28	109,05	88.033,88
(610.0060)	HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS.			
04.02.02.01.13	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	81676,00	1,81	147.833,56
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
04.02.02.01.14	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP	360,32	2,32	835,94
(690.0070)	PINTADO DE IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIÓNICA AL 50% DE BETÚN, C50 BF5 IMP.			
04.02.02.01.15	m³ DEMOLICIÓN DE FÁBRICA HORMIGÓN ARMADO	386,00	33,07	12.765,02
(301.0020)	DEMOLICIÓN DE FÁBRICA HORMIGÓN ARMADO i/ DESESCOMBRO, CARGA Y TRANSPORTE DE MATERIAL DEMOLIDO A GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.			
04.02.02.01.16	m³ DEMOLICIÓN DE LOSA DE HORMIGÓN ARMADO O PRETENSADO, EN TABLERO	442,48	423,16	187.239,84
(301.0080)	DEMOLICIÓN DE LOSA DE HORMIGÓN ARMADO O PRETENSADO, EN TABLERO DE ESTRUCTURAS, i/ DESESCOMBRO, CARGA Y TRANSPORTE DE MATERIAL DEMOLIDO A GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.			
04.02.02.01.17	m² CORTE CON DISCO	90,50	624,81	56.545,31
(301.0090)	CORTE CON DISCO i/DESESCOMBRO, CARGA Y TRANSPORTE DE MATERIAL DEMOLIDO A GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.			
04.02.02.01.18	m² SUMINISTRO Y COLOCACIÓN DE GEOTEXTIL NO TEJIDO TIPO 4 COMO FILTRO	684,00	3,56	2.435,04
(290.0040)	GEOTEXTIL FORMADO 100 % POR FIBRAS DE PROLIPROPILENO VIRGEN TIPO 4 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIENTES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 6,5 kN/m HASTA 7,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 6,5 kN/m HASTA 7,3 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA DESDE 50% HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA DESDE 55% HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1110 N HASTA 1230 N, PERFORACIÓN DINÁMICA (CAIDA CONO) DESDE 33 mm HASTA 31 mm Y PERMEABILIDAD AL AGUA DESDE 3,5 10-6/m²/s HASTA 4,5 10-6/m²/s.			
TOTAL 04.02.02.01				587.040,24

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.02.02.02	ALZADOS			
04.02.02.02.01	m² ENCOFRADO VISTO PLANO	505,28	33,91	17.134,04
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHICHEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.02.02.02.02	m² ENCOFRADO VISTO CURVO	96,00	44,95	4.315,20
(680.0040)	ENCOFRADO PARA PARAMENTOS VISTOS CURVOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.02.02.02.03	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	206,60	113,62	23.473,89
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
04.02.02.02.04	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	30090,00	1,81	54.462,90
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
04.02.02.02.05	m³ ALIGERAMIENTO DE POLIESTIRENO EXPANDIDO	0,19	79,18	15,04
(682.0010)	ALIGERAMIENTO DE POLIESTIRENO EXPANDIDO.			
04.02.02.02.06	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA	269,45	29,17	7.859,86
(690.0050)	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, ALERTAS?) CON LÁMINA ASFÁLTICA. CONSTITUÍDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOPLETE AL SOPORTE PREVIAMENTE IMPRIMADO (SOLAPES DE 8 cm MÍNIMO); LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHERIDA AL SOPORTE CON SOPLETE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CORRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEXTIL. LISTA PARA VERTER TIERRAS.			
TOTAL 04.02.02.02				107.260,93
04.02.02.03	TABLERO			
04.02.02.03.01	kg ACERO LAMINADO ESTRUCTURAL S355 J2+N EN CHAPAS	490091,81	3,96	1.940.763,57
(620.0030)	ACERO LAMINADO ESTRUCTURAL S355 J2+N EN CHAPAS i/ P.P. DE DESPUNTES, CORTE, DOBLADO, SOLDADURAS, TRANSPORTE, POSICIONAMIENTO Y COLOCACIÓN EN OBRA, PROTECCIÓN ANTI-CORROSIÓN TOTALMENTE MONTADO.			
04.02.02.03.02	m² PRELOSA PREFABRICADA DE HORMIGÓN CON CELOSÍA DE HASTA 8 cm DE ESPESOR	1701,70	85,92	146.210,06
(630.3010)	PRELOSA PREFABRICADA DE HORMIGÓN CON CELOSÍA DE HASTA 8 cm DE ESPESOR, COMPLETAMENTE EJECUTADA i/ SUMINISTRO, TRANSPORTE Y COLOCA-			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	CIÓN.			
04.02.02.03.03	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	374,37	113,62	42.535,92
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
04.02.02.03.04	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	65747,50	1,81	119.002,98
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
04.02.02.03.05	m² IMPERMEABILIZACIÓN DE TABLEROS DE PUENTES CON LÁMINA SBS EN SISTEMA BICAPA	1701,70	34,26	58.300,24
(690.0031)	IMPERMEABILIZACIÓN DEL TABLERO MEDIANTE LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO SBS EN SISTEMA BICAPA, FORMADA POR CAPA INFERIOR DE MASA NOMINAL 3kg/m2 Y FIELTRO DE FIBRA DE VIDRIO Y CAPA SUPERIOR AUTOPROTEGIDA CON GRÁNULOS CERÁMICOS, DE 6 kg/m2 DE MASA NOMINAL, TOTALMENTE ADHERIDA AL SOPORTE CON SOPLETE, INCLUSO PREPARACIÓN Y LIMPIEZA PREVIA DEL SOPORTE, SOLAPES Y PRUEBAS DE ESTANQUEIDAD. TOTALMENTE TERMINADA.			
04.02.02.03.06	m² PINTURA ESTRUCTURA METÁLICA AMBIENTE C4	1270,75	22,14	28.134,41
(SE02_N)	Pintado de estructura de acero con sistema de protección con grado de durabilidad H, para clase de exposición C4, formado por 3 capas, capa de imprimación de 125 µm, capa intermedia de 125 µm, y capa de acabado de 70 µm, con un espesor total de protección de 320 µm, aplicado de forma manual, según UNE-EN ISO 12944.			
TOTAL 04.02.02.03				2.334.947,18

04.02.02.04 ACABADOS Y EQUIPAMIENTO

04.02.02.04.01	dm³ APARATO DE APOYO DE NEOPRENO ZUNCHADO (STANDARD, ANCLADO O GOFRADO) SUSTITUIBLE	512,00	28,77	14.730,24
(692.0100)	APARATO DE APOYO DE NEOPRENO ZUNCHADO (STANDARD, ANCLADO O GOFRADO) SUSTITUIBLE, TOTALMENTE COLOCADO i/ NIVELACIÓN DEL APOYO CON MORTERO ESPECIAL DE ALTA RESISTENCIA Y AUTONIVELANTE.			
04.02.02.04.02	ud SUMIDERO DE FUNDICIÓN 200 MM X 200 MM	4,00	75,28	301,12
(690.0080)	SUMIDERO DE FUNDICIÓN DE 200 X 200 MM. EN TABLERO, INCLUYENDO EL TUBO DE DESAGÜE DE PVC DE 110 MM. DE DIÁMETRO , REJILLA DE FUNDICIÓN Y MARCO PARA LA MISMA, TOTALMENTE COLOCADO.			
04.02.02.04.03	m³ PAVIMENTO DE HORMIGÓN EN MASA HF-4,5 CON JUNTAS	59,67	151,03	9.011,96
(550.0020)	PAVIMENTO DE HORMIGÓN EN MASA HF-4,5 TOTALMENTE TERMINADO i/ P.P. DE JUNTAS, SELLADO Y CURADO CON PRODUCTO FILMÓGENO.			
04.02.02.04.04	m BARANDILLA METÁLICA PEATONAL PINTADA S/DO	250,00	234,58	58.645,00
(S04_N)	M DE BARANDILLA METÁLICA PEATONAL APROBADA POR LA DO, PROTEGIDA FRENTE A LA CORROSIÓN. I/ PASAMANOS, TOTALMENTE INSTALADA			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.02.02.04.05	m JUNTA DE DILATACIÓN PARA TABLERO DE 80 mm DE MOVIMIENTO MÁXIMO, TIPO JNA O SIMILAR	30,80	478,98	14.752,58
(694.0030)	JUNTA DE DILATACIÓN PARA TABLERO DE 80 mm DE MOVIMIENTO MÁXIMO, TIPO JNA O SIMILAR, TOTALMENTE COLOCADA i/ P.P. DE OPERACIONES DE CORTE Y DEMOLICIÓN, PERFORACIONES, RESINA EPOXI, PERNOS, ANCLAJES QUÍMICOS Y SELLADORES.			
04.02.02.04.06	ud REDACCIÓN DE "PROYECTO E INFORME DE PRUEBA DE CARGA" EN PUENTE HIPERESTÁTICO	1,00	3.324,72	3.324,72
(695.0020)	REDACCIÓN DE "PROYECTO E INFORME DE PRUEBA DE CARGA" DESCRIBIENDO LOS MEDIOS EMPLEADOS Y LOS RESULTADOS OBTENIDOS i/ LA REALIZACIÓN DE LOS CÁLCULOS Y LA DEFINICIÓN DE LOS PLANOS QUE SE CONSIDERE NECESARIO, EN PUENTES HIPERESTÁTICOS			
04.02.02.04.07	día PUESTA A DISPOSICIÓN Y PRESTACIÓN DE SERVICIO DE VEHÍCULO DE SUMINISTRO DE CARGA	6,00	465,47	2.792,82
(695.0120)	PUESTA A DISPOSICIÓN Y PRESTACIÓN DE SERVICIO DE VEHÍCULO DE SUMINISTRO DE CARGA			
04.02.02.04.08	ud REALIZACIÓN DE PRUEBA DE CARGA EN PUENTE HIPERESTÁTICO DE HASTA 4 VANOS DE LUZ MÁXIMA > 40 m	1,00	4.313,63	4.313,63
(695.0100)	REALIZACIÓN DE PRUEBA DE CARGA EN PUENTE HIPERESTÁTICO DE HASTA 4 VANOS DE LUZ MÁXIMA > 40 m			
TOTAL 04.02.02.04				107.872,07
TOTAL 04.02.02				3.137.120,42

04.02.03 PS3-PASO SUPERIOR 3

04.02.03.01 TRABAJOS PREVIOS Y CIMENTACIONES

04.02.03.01.01	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	504,00	0,57	287,28
(300.0010)	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VERTEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.02.03.01.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	818,00	6,70	5.480,60
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.02.03.01.03	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA	431,00	8,45	3.641,95
(332.0050)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCE- DENTE DE PRÉSTAMOS, YACIMIENTO GRANULAR Y/O CANTERA, I/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMI- NACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
04.02.03.01.04	m³ SUELO SELECCIONADO PROCEDENTE DE YACIMIENTO GRANULAR O CANTERA PARA FORMACION DE EXPLANADA	855,00	9,22	7.883,10
(330.0055)	SUELO SELECCIONADO PROCEDENTE DE YACIMIENTO GRANU- LAR O CANTERA PARA FORMACIÓN DE EXPLANADA EN CORO- NACIÓN DE TERRAPLÉN Y EN FONDO DE DESMONTE i/ CANON DE CANTERA, EXCAVACIÓN DEL MATERIAL, CARGA Y TRANS- PORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES.			
04.02.03.01.05	m PILOTE DE DIÁMETRO DE 1000 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD	420,00	85,78	36.027,60
(671.0050)	PERFORACIÓN DE PILOTE DE DIÁMETRO DE 1000 mm (INCLUIDO) CON ENTUBA- CIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD i/ CAMISA Y SU RECUPERACIÓN.			
04.02.03.01.06	ud EQUIPO Y MEDIOS AUXILIARES PILOTES HASTA 1200 mm	1,00	8.000,00	8.000,00
(680.1000)	TRANSPORTE, MONTAJE Y RETIRADA DEL EQUIPO Y MEDIOS AUXILIARES PARA EJECUCIÓN DE PILOTES DE DIÁMETRO HASTA 1200 mm.			
04.02.03.01.07	ud EQUIPO Y MEDIOS AUXILIARES PARA CAMBIO ENTRE TAJOS DE PILOTES DE HASTA 1200 mm DISTANCIADOS MÁS DE 2 km CON GÓNDOLA	1,00	5.000,00	5.000,00
(680.1020)	TRANSPORTE, MONTAJE Y RETIRADA DEL EQUIPO Y MEDIOS AUXILIARES PARA CAMBIO ENTRE TAJOS PARA PILOTES HASTA 1200 mm DISTANCIADOS MÁS DE 2 km CON GÓNDOLA.			
04.02.03.01.08	ud ENSAYO POR "CROSS-HOLE" ULTRASÓNICO (4 TUBOS, 6 DIAGRAFÍAS POR PILOTE) HASTA 35 m DE PROFUNDIDAD	35,00	75,00	2.625,00
(308.0060)	ENSAYO DE INTEGRIDAD ESTRUCTURAL POR "CROSS-HOLE" ULTRASÓNICO DE PILOTE INSTRUMENTADO CON CUATRO (4) TUBOS (6 DIAGRAFÍAS POR PILOTE) HASTA 35 m DE PROFUNDIDAD.			
04.02.03.01.09	m SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEG	1680,00	5,20	8.736,00
(308.0020)	SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEGURAR SU ESTANQUEIDAD, COMPLETAMENTE FIJADO A LA ARMADURA DEL PILOTE			
04.02.03.01.10	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA	45,52	66,48	3.026,17
(610.0010)	HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.02.03.01.11	m² ENCOFRADO OCULTO PLANO	228,12	28,44	6.487,73
(680.0010)	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCO- FRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECU- CIÓN.			
04.02.03.01.12	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS	815,97	109,05	88.981,53
(610.0060)	HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS.			
04.02.03.01.13	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	79701,00	1,81	144.258,81
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DO- BLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RE- COCIDO Y SEPARADORES.			
04.02.03.01.14	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP	276,32	2,32	641,06
(690.0070)	PINTADO DE IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINO- SA CATIÓNICA AL 50% DE BETÚN, C50 BF5 IMP.			
04.02.03.01.15	m³ DEMOLICIÓN DE FÁBRICA HORMIGÓN ARMADO	1390,13	33,07	45.971,60
(301.0020)	DEMOLICIÓN DE FÁBRICA HORMIGÓN ARMADO i/ DESESCOMBRO, CARGA Y TRANSPORTE DE MATERIAL DEMOLIDO A GESTOR AUTORIZADO HASTA UNA DIS- TANCIA DE 60 km.			
04.02.03.01.16	m³ DEMOLICIÓN DE LOSA DE HORMIGÓN ARMADO O PRETENSADO, EN TABLERO	590,68	423,16	249.952,15
(301.0080)	DEMOLICIÓN DE LOSA DE HORMIGÓN ARMADO O PRETENSADO, EN TABLERO DE ESTRUCTURAS, i/ DESESCOMBRO, CARGA Y TRANSPORTE DE MATERIAL DE- MOLIDO A GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.			
04.02.03.01.17	m² CORTE CON DISCO	90,50	624,81	56.545,31
(301.0090)	CORTE CON DISCO i/DESESCOMBRO, CARGA Y TRANSPORTE DE MATERIAL DE- MOLIDO A GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.			
04.02.03.01.18	m² SUMINISTRO Y COLOCACIÓN DE GEOTEXTIL NO TEJIDO TIPO 4 COMO FILTRO	855,00	3,56	3.043,80
(290.0040)	GEOTEXTIL FORMADO 100 % POR FIBRAS DE PROLIPROPILENO VIRGEN TIPO 4 i/ P.P. DE SOLAPES, TOTALMENTE COLOCADO COMO FILTRO, Y CON LAS SIGUIEN- TES PROPIEDADES FÍSICAS: RESISTENCIA A LA TRACCIÓN LONGITUDINAL DESDE 6,5 kN/m HASTA 7,2 kN/m, RESISTENCIA A LA TRACCIÓN TRANSVERSAL DESDE 6,5 kN/m HASTA 7,3 kN/m, ELONGACIÓN LONGITUDINAL EN ROTURA DESDE 50% HASTA 55%, ELONGACIÓN TRANSVERSAL EN ROTURA DESDE 55% HASTA 60%, PUNZONAMIENTO ESTÁTICO (CBR) DESDE 1110 N HASTA 1230 N, PERFORA- CIÓN DINÁMICA (CAIDA CONO) DESDE 33 mm HASTA 31 mm Y PERMEABILIDAD AL AGUA DESDE 3,5 10-6/m²/s HASTA 4,5 10-6/m²/s.			
TOTAL 04.02.03.01				676.589,69

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.02.03.02	ALZADOS			
04.02.03.02.01	m² ENCOFRADO VISTO CURVO	102,18	44,95	4.592,99
(680.0040)	ENCOFRADO PARA PARAMENTOS VISTOS CURVOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.02.03.02.02	m² ENCOFRADO VISTO PLANO	392,90	33,91	13.323,24
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHIHEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.02.03.02.03	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	246,35	113,62	27.990,29
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
04.02.03.02.04	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	36952,13	1,81	66.883,36
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
04.02.03.02.05	m³ ALIGERAMIENTO DE POLIESTIRENO EXPANDIDO	0,18	79,18	14,25
(682.0010)	ALIGERAMIENTO DE POLIESTIRENO EXPANDIDO.			
04.02.03.02.06	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA	183,45	29,17	5.351,24
(690.0050)	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, ALERTAS?) CON LÁMINA ASFÁLTICA. CONSTITUÍDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOPLETE AL SOPORTE PREVIAMENTE IMPRIMADO (SOLAPES DE 8 cm MÍNIMO); LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHERIDA AL SOPORTE CON SOPLETE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CORRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEXTIL. LISTA PARA VERTER TIERRAS.			
TOTAL 04.02.03.02				118.155,37

04.02.03.03	TABLERO			
04.02.03.03.01	kg ACERO LAMINADO ESTRUCTURAL S355 J2+N EN CHAPAS	443949,88	3,96	1.758.041,52
(620.0030)	ACERO LAMINADO ESTRUCTURAL S355 J2+N EN CHAPAS i/ P.P. DE DESPUNTES, CORTE, DOBLADO, SOLDADURAS, TRANSPORTE, POSICIONAMIENTO Y COLOCACIÓN EN OBRA, PROTECCIÓN ANTI-CORROSIÓN TOTALMENTE MONTADO.			
04.02.03.03.02	m² PRELOSA PREFABRICADA DE HORMIGÓN CON CELOSÍA DE HASTA 8 cm DE ESPESOR	1740,20	85,92	149.517,98
(630.3010)	PRELOSA PREFABRICADA DE HORMIGÓN CON CELOSÍA DE HASTA 8 cm DE ESPESOR, COMPLETAMENTE EJECUTADA i/ SUMINISTRO, TRANSPORTE Y COLOCA-			
RD6373-F3-PR-LE-D04				38

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	CIÓN.			
04.02.03.03.03	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	382,84	113,62	43.498,28
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
04.02.03.03.04	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	67235,00	1,81	121.695,35
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
04.02.03.03.05	m² IMPERMEABILIZACIÓN DE TABLEROS DE PUENTES CON LÁMINA SBS EN SISTEMA BICAPA	1740,20	34,26	59.619,25
(690.0031)	IMPERMEABILIZACIÓN DEL TABLERO MEDIANTE LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO SBS EN SISTEMA BICAPA, FORMADA POR CAPA INFERIOR DE MASA NOMINAL 3kg/m2 Y FIELTRO DE FIBRA DE VIDRIO Y CAPA SUPERIOR AUTOPROTEGIDA CON GRÁNULOS CERÁMICOS, DE 6 kg/m2 DE MASA NOMINAL, TOTALMENTE ADHERIDA AL SOPORTE CON SOPLETE, INCLUSO PREPARACIÓN Y LIMPIEZA PREVIA DEL SOPORTE, SOLAPES Y PRUEBAS DE ESTANQUEIDAD. TOTALMENTE TERMINADA.			
04.02.03.03.06	m² PINTURA ESTRUCTURA METÁLICA AMBIENTE C4	1299,50	22,14	28.770,93
(SE02_N)	Pintado de estructura de acero con sistema de protección con grado de durabilidad H, para clase de exposición C4, formado por 3 capas, capa de imprimación de 125 µm, capa intermedia de 125 µm, y capa de acabado de 70 µm, con un espesor total de protección de 320 µm, aplicado de forma manual, según UNE-EN ISO 12944.			
TOTAL 04.02.03.03				2.161.143,31

04.02.03.04	ACABADOS Y EQUIPAMIENTO			
04.02.03.04.01	dm³ APARATO DE APOYO DE NEOPRENO ZUNCHADO (STANDARD, ANCLADO O GOFRADO) SUSTITUIBLE	429,60	28,77	12.359,59
(692.0100)	APARATO DE APOYO DE NEOPRENO ZUNCHADO (STANDARD, ANCLADO O GOFRADO) SUSTITUIBLE, TOTALMENTE COLOCADO i/ NIVELACIÓN DEL APOYO CON MORTERO ESPECIAL DE ALTA RESISTENCIA Y AUTONIVELANTE.			
04.02.03.04.02	ud SUMIDERO DE FUNDICIÓN 200 MM X 200 MM	4,00	75,28	301,12
(690.0080)	SUMIDERO DE FUNDICIÓN DE 200 X 200 MM. EN TABLERO, INCLUYENDO EL TUBO DE DESAGÜE DE PVC DE 110 MM. DE DIÁMETRO , REJILLA DE FUNDICIÓN Y MARCO PARA LA MISMA, TOTALMENTE COLOCADO.			
04.02.03.04.03	m³ PAVIMENTO DE HORMIGÓN EN MASA HF-4,5 CON JUNTAS	61,02	151,03	9.215,85
(550.0020)	PAVIMENTO DE HORMIGÓN EN MASA HF-4,5 TOTALMENTE TERMINADO i/ P.P. DE JUNTAS, SELLADO Y CURADO CON PRODUCTO FILMÓGENO.			
04.02.03.04.04	m BARANDILLA METÁLICA PEATONAL PINTADA S/DO	250,00	234,58	58.645,00
(S04_N)	M DE BARANDILLA METÁLICA PEATONAL APROBADA POR LA DO, PROTEGIDA FRENTE A LA CORROSIÓN. i/ PASAMANOS, TOTALMENTE INSTALADA			
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PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.02.03.04.05	m JUNTA DE DILATACIÓN PARA TABLERO DE 80 mm DE MOVIMIENTO MÁXIMO, TIPO JNA O SIMILAR	30,80	478,98	14.752,58
(694.0030)	JUNTA DE DILATACIÓN PARA TABLERO DE 80 mm DE MOVIMIENTO MÁXIMO, TIPO JNA O SIMILAR, TOTALMENTE COLOCADA i/ P.P. DE OPERACIONES DE CORTE Y DEMOLICIÓN, PERFORACIONES, RESINA EPOXI, PERNOS, ANCLAJES QUÍMICOS Y SELLADORES.			
04.02.03.04.06	ud REDACCIÓN DE "PROYECTO E INFORME DE PRUEBA DE CARGA" EN PUENTE HIPERESTÁTICO	1,00	3.324,72	3.324,72
(695.0020)	REDACCIÓN DE "PROYECTO E INFORME DE PRUEBA DE CARGA" DESCRIBIENDO LOS MEDIOS EMPLEADOS Y LOS RESULTADOS OBTENIDOS i/ LA REALIZACIÓN DE LOS CÁLCULOS Y LA DEFINICIÓN DE LOS PLANOS QUE SE CONSIDERE NECESARIO, EN PUENTES HIPERESTÁTICOS			
04.02.03.04.07	día PUESTA A DISPOSICIÓN Y PRESTACIÓN DE SERVICIO DE VEHÍCULO DE SUMINISTRO DE CARGA	6,00	465,47	2.792,82
(695.0120)	PUESTA A DISPOSICIÓN Y PRESTACIÓN DE SERVICIO DE VEHÍCULO DE SUMINISTRO DE CARGA			
04.02.03.04.08	ud REALIZACIÓN DE PRUEBA DE CARGA EN PUENTE HIPERESTÁTICO DE HASTA 4 VANOS DE LUZ MÁXIMA > 40 m	1,00	4.313,63	4.313,63
(695.0100)	REALIZACIÓN DE PRUEBA DE CARGA EN PUENTE HIPERESTÁTICO DE HASTA 4 VANOS DE LUZ MÁXIMA > 40 m			
TOTAL 04.02.03.04				105.705,31
04.02.03.05	PASO INFERIOR			
04.02.03.05.01	m² ENCOFRADO VISTO PLANO	995,30	33,91	33.750,62
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHIHEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.02.03.05.02	m³ CIMBRA CUAJADA	1123,50	12,21	13.717,94
(681.0010)	CIMBRA CUAJADA i/ PROYECTO, PREPARACIÓN DE LA SUPERFICIE DE APOYO, NIVELACIÓN Y APUNTALAMIENTO DE LA CIMBRA, PRUEBAS DE CARGA, TRANSPORTES, MONTAJE Y DESMONTAJE, TOTALMENTE TERMINADA Y MONTADA.			
04.02.03.05.03	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	786,13	113,62	89.320,09
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
04.02.03.05.04	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	77429,00	1,81	140.146,49
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
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PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.02.03.05.05	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA	478,43	29,17	13.955,80
(690.0050)	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, ALERTAS?) CON LÁMINA ASFÁLTICA. CONSTITUÍDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOPLETE AL SOPORTE PREVIAMENTE IMPRIMADO (SOLAPES DE 8 cm MÍNIMO); LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHERIDA AL SOPORTE CON SOPLETE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CORRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEXTIL. LISTA PARA VERTER TIERRAS.			
04.02.03.05.06	m² IMPERMEABILIZACIÓN DE TABLEROS DE PUENTES CON LÁMINA SBS EN SISTEMA BICAPA	187,25	34,26	6.415,19
(690.0031)	IMPERMEABILIZACIÓN DEL TABLERO MEDIANTE LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO SBS EN SISTEMA BICAPA, FORMADA POR CAPA INFERIOR DE MASA NOMINAL 3kg/m2 Y FIELTRO DE FIBRA DE VIDRIO Y CAPA SUPERIOR AUTOPROTEGIDA CON GRÁNULOS CERÁMICOS, DE 6 kg/m2 DE MASA NOMINAL, TOTALMENTE ADHERIDA AL SOPORTE CON SOPLETE, INCLUSO PREPARACIÓN Y LIMPIEZA PREVIA DEL SOPORTE, SOLAPES Y PRUEBAS DE ESTANQUEIDAD. TOTALMENTE TERMINADA.			
TOTAL 04.02.03.05				297.306,13
TOTAL 04.02.03				3.358.899,81
TOTAL 04.02				9.266.943,10
04.03	PASOS INFERIORES			
04.03.01	PE1-PÉRGOLA 1			
04.03.01.01	TRABAJOS PREVIOS Y CIMENTACIONES			
04.03.01.01.01	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	3768,00	0,57	2.147,76
(300.0010)	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VERTEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.03.01.01.02	m³ EXCAVACIÓN EN VACIADO ENTRE PANTALLAS EN CUALQUIER TIPO DE TERRENO A CIELO ABIERTO	23052,00	4,32	99.584,64
(320.0050)	EXCAVACIÓN EN VACIADO ENTRE PANTALLAS EN CUALQUIER TIPO DE TERRENO A CIELO ABIERTO i/ CARGA Y TRANSPORTE A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.03.01.01.03	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	9420,00	6,70	63.114,00
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEOS DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA			
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PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	DISTANCIA.			
04.03.01.01.04	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA	5652,00	8,45	47.759,40
(332.0050)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCE- DENTE DE PRÉSTAMOS, YACIMIENTO GRANULAR Y/O CANTERA, I/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMI- NACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
04.03.01.01.05	ud EQUIPO Y MEDIOS AUXILIARES PILOTES HASTA 1200 mm	1,00	8.000,00	8.000,00
(680.1000)	TRANSPORTE, MONTAJE Y RETIRADA DEL EQUIPO Y MEDIOS AUXILIARES PARA EJECUCIÓN DE PILOTES DE DIÁMETRO HASTA 1200 mm.			
04.03.01.01.06	m SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEG	18345,60	5,20	95.397,12
(308.0020)	SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEGURAR SU ESTANQUEIDAD, COMPLETAMENTE FIJADO A LA ARMADURA DEL PILOTE			
04.03.01.01.07	ud ENSAYO POR "CROSS-HOLE" ULTRASÓNICO (3 TUBOS, 3 DIAGRAFÍAS POR PILOTE) HASTA 20 m DE PROFUNDIDAD	1310,40	50,00	65.520,00
(308.0040)	ENSAYO DE INTEGRIDAD ESTRUCTURAL POR "CROSS-HOLE" ULTRASÓNICO DE PILOTE INSTRUMENTADO CON TRES (3) TUBOS (3 DIAGRAFÍAS POR PILOTE) HAS- TA 20 m DE PROFUNDIDAD.			
04.03.01.01.08	m PILOTE DE DIÁMETRO DESDE 650 HASTA 850 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD	6160,00	65,13	401.200,80
(671.0040)	PERFORACIÓN DE PILOTE DE DIÁMETRO DESDE 650 HASTA 850 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD I/ CAMISA Y SU RECUPERACIÓN.			
04.03.01.01.09	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS	3871,20	109,05	422.154,36
(610.0060)	HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS.			
04.03.01.01.10	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	460500,00	1,81	833.505,00
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DO- BLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RE- COCIDO Y SEPARADORES.			
04.03.01.01.11	m ANCLAJE PROVISIONAL CON INYECCIÓN REPETITIVA Y SELECTIVA (IRS) TIPO 2B (8 CABLES)	2590,00	155,35	402.356,50
(675.1060)	ANCLAJE TIPO 2B (8 CABLES), PROBADO Y ACEPTADO i/ EMPLAZAMIENTOS, PER- FORACIÓN, SUMINISTRO Y COLOCACIÓN DEL TIRANTE, INYECCIÓN Y MATERIAL AUXILIAR (CENTRADORES, SEPARADORES, TUBOS, ETC).			
04.03.01.01.12	ud PARTE FIJA DEL ANCLAJE TIPO 1, 2A, 2B, 5, 6A Y 6B	148,00	106,00	15.688,00
(675.1250)	PORTE FIJA DEL ANCLAJE TIPO 1, 2A, 2B, 5, 6A Y 6B, i/ ELIMINACIÓN DE LONGI- TUD DEL TIRANTE SOBRANTE, CABEZA DE ANCLAJE Y TESADO CON ENSAYO DE ACEPTACIÓN, SELLADO, IMPERMEABILIZACIÓN Y CUALQUIER OPERACIÓN NECE-			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	SARIA PARA LA PUESTA EN SERVICIO.			
TOTAL 04.03.01.01				2.456.427,58
04.03.01.02	ALZADOS Y LOSAS			
04.03.01.02.01	m² ENCOFRADO OCULTO PLANO	1968,00	28,44	55.969,92
(680.0010)	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCO- FRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECU- CIÓN.			
04.03.01.02.02	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	1289,96	113,62	146.565,26
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TA- BLEROS, LOSAS, MUROS Y MARCOS.			
04.03.01.02.03	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	141990,00	1,81	257.001,90
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DO- BLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RE- COCIDO Y SEPARADORES.			
04.03.01.02.04	m VIGA PREFABRICADA DOBLE T DE H=90 cm	1814,40	401,72	728.880,77
(614.1000)	VIGA PREFABRICADA DOBLE T DE H=90 cm i/ TRANSPORTE, COLOCACIÓN Y TO- DOS LOS MATERIALES Y MEDIOS NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA.			
04.03.01.02.05	m² PRELOSA PREFABRICADA DE HORMIGÓN DE HASTA 6 cm DE ESPESOR	1904,00	55,50	105.672,00
(630.3000)	PRELOSA PREFABRICADA DE HORMIGÓN DE HASTA 6 cm DE ESPESOR, COMPLE- TAMENTE EJECUTADA i/ SUMINISTRO, TRANSPORTE Y COLOCACIÓN.			
04.03.01.02.06	m² IMPERMEABILIZACIÓN DE TABLEROS DE PUENTES CON LÁMINA SBS EN SISTEMA BICAPA	1904,00	34,26	65.231,04
(690.0031)	IMPERMEABILIZACIÓN DEL TABLERO MEDIANTE LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO SBS EN SISTEMA BICAPA, FORMADA POR CAPA INFERIOR DE MA- SA NOMINAL 3kg/m2 Y FIELTRO DE FIBRA DE VIDRIO Y CAPA SUPERIOR AUTO- PROTEGIDA CON GRÁNULOS CERÁMICOS, DE 6 kg/m2 DE MASA NOMINAL, TO- TALMENTE ADHERIDA AL SOPORTE CON SOLETE, INCLUSO PREPARACIÓN Y LIMPIEZA PREVIA DEL SOPORTE, SOLAPES Y PRUEBAS DE ESTANQUEIDAD. TOTAL- MENTE TERMINADA.			
04.03.01.02.07	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA	984,00	29,17	28.703,28
(690.0050)	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, ALE- TAS?) CON LÁMINA ASFÁLTICA. CONSTITUÍDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOLETE AL SOPORTE PREVIAMENTE IMPRIMADO (SOLAPES DE 8 cm MÍNIMO); LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHE- RIDA AL SOPORTE CON SOLETE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CO- RRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEX- TIL. LISTA PARA VERTER TIERRAS.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
TOTAL 04.03.01.02				1.388.024,17
04.03.01.03	ACABADOS Y EQUIPAMIENTOS			
04.03.01.03.01	dm³ APARATO DE APOYO DE NEOPRENO ZUNCHADO (STANDARD, ANCLADO O GOFRADO) SUSTITUIBLE	1152,00	28,77	33.143,04
(692.0100)	APARATO DE APOYO DE NEOPRENO ZUNCHADO (STANDARD, ANCLADO O GOFRADO) SUSTITUIBLE, TOTALMENTE COLOCADO I/ NIVELACIÓN DEL APOYO CON MORTERO ESPECIAL DE ALTA RESISTENCIA Y AUTONIVELANTE.			
04.03.01.03.02	m JUNTA DE DILATACIÓN PARA TABLERO DE 50 mm DE MOVIMIENTO MÁXIMO, TIPO JNA O SIMILAR	480,00	286,32	137.433,60
(694.0010)	JUNTA DE DILATACIÓN PARA TABLERO DE 50 mm DE MOVIMIENTO MÁXIMO, TIPO JNA O SIMILAR, TOTALMENTE COLOCADA I/ P.P. DE OPERACIONES DE CORTE Y DEMOLICIÓN, PERFORACIONES, RESINA EPOXI, PERNOS, ANCLAJES QUÍMICOS Y SELLADORES.			
04.03.01.03.03	ud REDACCIÓN DE "PROYECTO E INFORME DE PRUEBA DE CARGA" EN PUENTE ISOSTÁTICO	1,00	1.819,35	1.819,35
(695.0010)	REDACCIÓN DE "PROYECTO E INFORME DE PRUEBA DE CARGA" DESCRIBIENDO LOS MEDIOS EMPLEADOS Y LOS RESULTADOS OBTENIDOS I/ LA REALIZACIÓN DE LOS CÁLCULOS Y LA DEFINICIÓN DE LOS PLANOS QUE SE CONSIDERE NECESARIO, EN PUENTES ISOSTÁTICOS			
04.03.01.03.04	ud REALIZACIÓN DE PRUEBA DE CARGA EN PUENTE ISOSTÁTICO DE UN VANO <= 20 m O EN EL 1ER VANO DE UN PUENTE DE VARIOS VANOS ISOSTÁTICOS	1,00	1.692,58	1.692,58
(695.0040)	REALIZACIÓN DE PRUEBA DE CARGA EN PUENTE ISOSTÁTICO DE UN VANO <= 20 m O EN EL 1ER VANO DE UN PUENTE DE VARIOS VANOS ISOSTÁTICOS DE LUCES <= 20 m			
04.03.01.03.05	día PUESTA A DISPOSICIÓN Y PRESTACIÓN DE SERVICIO DE VEHÍCULO DE SUMINISTRO DE CARGA	6,00	465,47	2.792,82
(695.0120)	PUESTA A DISPOSICIÓN Y PRESTACIÓN DE SERVICIO DE VEHÍCULO DE SUMINISTRO DE CARGA			
04.03.01.03.06	m³ HORMIGÓN PROYECTADO H/MP/30 EN SOSTENIMIENTO DE TÚNELES Y OBRAS SUBTERRÁNEAS	468,00	269,02	125.901,36
(803.0420)	HORMIGÓN PROYECTADO H/MP/30 CON CUALQUIER ESPESOR EN SOSTENIMIENTO DE TÚNELES Y OBRAS SUBTERRÁNEAS I/ LOS ADITIVOS NECESARIOS Y P.P. POR RECHAZO EN LA COLOCACIÓN, SIN ADICIÓN DE FIBRAS.			
04.03.01.03.07	m² MALLA ELECTROSOLDADA SOSTENIMIENTO TÚNELES ACERO CORRUGADO B 500 T DE DIÁMETRO 10 mm CUADRÍCULA 15 X 15	3120,00	48,48	151.257,60
(803.0240)	MALLA ELECTROSOLDADA EN SOSTENIMIENTO DE TÚNELES CON ACERO CORRUGADO B 500 T DE Ø 10 mm EN CUADRÍCULA 15 X 15, COLOCADO EN OBRA I/ P.P. DE ALAMBRE DE ATAR, SEGÚN EHE-08 Y CTE-SE-A.			
04.03.01.03.08	m² CHAPA NERVADA O TROQUELADA 2 mm Y 9 ONDAS POR PANEL COMO ENCOFRADO PERDIDO EN SOSTENIMIENTO O EN RELLENOS DE TÚNELES Y OBRAS SUB	3120,00	86,35	269.412,00
(803.0630)	CHAPA NERVADA O TROQUELADA DE 2 mm DE ESPESOR Y 9 ONDAS POR PANEL COMO ENCOFRADO PERDIDO EN SOSTENIMIENTO O EN RELLENOS DE TÚNELES Y OBRAS SUBTERRÁNEAS I/ P.P. DE PERFILES Y PUNTALES PROVISIONALES PARA SUJECCIÓN Y FIJACIÓN DEL ENCOFRADO.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.03.01.03.09	ud BARRA Ø16 DE ACERO CORRUGADO B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, ANCLADA A POSTERIORI L<0,70 m	3432,00	16,84	57.794,88
(675.0010)	BARRA ø 16 DE ACERO CORRUGADO B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, ANCLADA A POSTERIORI I/ PERFORACIÓN, COLOCACIÓN E INYECCIÓN DE RESINA EPOXI, SEGÚN DEFINICIÓN EN PLANOS (LONGITUD < 0,70 m).			
TOTAL 04.03.01.03				781.247,23
04.03.01.04	CONTENCIÓN COLECTOR			
04.03.01.04.01	m MICROPILOTE HASTA 180 mm INYECCIÓN TIPO IRS LECHADA HASTA 40 kg CEMENTO	6770,40	69,61	471.287,54
(671.1060)	MICROPILOTE DE HASTA 180 mm DE DIÁMETRO E INYECCIÓN TIPO IRS CON LECHADA DE CEMENTO DE HASTA 40 kg DE CEMENTO/m (SIN ARMADURA).			
04.03.01.04.02	t ACERO PARA ARMADURA TUBULAR PARA MICROPILOTES (INCLUIDO UNIONES ROSCADAS).	135,41	2.200,00	297.902,00
(671.1220)	ACERO PARA ARMADURA TUBULAR PARA MICROPILOTES (INCLUIDO TODAS LAS UNIONES ROSCADAS NECESARIAS).			
04.03.01.04.03	m ANCLAJE PROVISIONAL CON INYECCIÓN REPETITIVA Y SELECTIVA (IRS) TIPO 2B (8 CABLES)	2880,00	155,35	447.408,00
(675.1060)	ANCLAJE TIPO 2B (8 CABLES), PROBADO Y ACEPTADO I/ EMPLAZAMIENTOS, PERFORACIÓN, SUMINISTRO Y COLOCACIÓN DEL TIRANTE, INYECCIÓN Y MATERIAL AUXILIAR (CENTRADORES, SEPARADORES, TUBOS, ETC).			
04.03.01.04.04	ud PARTE FIJA DEL ANCLAJE TIPO 1, 2A, 2B, 5, 6A Y 6B	144,00	106,00	15.264,00
(675.1250)	PORTE FIJA DEL ANCLAJE TIPO 1, 2A, 2B, 5, 6A Y 6B, I/ ELIMINACIÓN DE LONGITUD DEL TIRANTE SOBANTE, CABEZA DE ANCLAJE Y TESADO CON ENSAYO DE ACEPTACIÓN, SELLADO, IMPERMEABILIZACIÓN Y CUALQUIER OPERACIÓN NECESARIA PARA LA PUESTA EN SERVICIO.			
04.03.01.04.05	kg ACERO LAMINADO ESTRUCTURAL S355 J2+N EN CHAPAS	30542,16	3,96	120.946,95
(620.0030)	ACERO LAMINADO ESTRUCTURAL S355 J2+N EN CHAPAS I/ P.P. DE DESPUNTES, CORTE, DOBLADO, SOLDADURAS, TRANSPORTE, POSICIONAMIENTO Y COLOCACIÓN EN OBRA, PROTECCIÓN ANTI-CORROSIÓN TOTALMENTE MONTADO.			
TOTAL 04.03.01.04				1.352.808,49
TOTAL 04.03.01				5.978.507,47

04.03.02 PE2-PÉRGOLA 2

04.03.02.01 TRABAJOS PREVIOS Y CIMENTACIONES

04.03.02.01.01	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	2640,00	0,57	1.504,80
(300.0010)	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS I/ DESTOCÓNADO, ARRANQUE, CARGA Y TRANSPORTE A VEREDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.03.02.01.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRANSITO	2816,00	6,70	18.867,20
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.03.02.01.03	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA	1408,00	8,45	11.897,60
(332.0050)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMOS, YACIMIENTO GRANULAR Y/O CANTERA, i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
04.03.02.01.04	m² ENCOFRADO OCULTO PLANO	704,00	28,44	20.021,76
(680.0010)	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.03.02.01.05	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS	1408,00	109,05	153.542,40
(610.0060)	HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS.			
04.03.02.01.06	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	112640,00	1,81	203.878,40
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
04.03.02.01.07	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA	147,84	66,48	9.828,40
(610.0010)	HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.			
04.03.02.01.08	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP	2112,00	2,32	4.899,84
(690.0070)	PINTADO DE IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIÓNICA AL 50% DE BETÚN, C50 BF5 IMP.			
TOTAL 04.03.02.01				424.440,40

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.03.02.02	ALZADOS Y LOSAS			
04.03.02.02.01	m² ENCOFRADO VISTO PLANO	8624,00	33,91	292.439,84
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHIHEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.03.02.02.02	m³ CIMBRA CUAJADA	20592,00	12,21	251.428,32
(681.0010)	CIMBRA CUAJADA i/ PROYECTO, PREPARACIÓN DE LA SUPERFICIE DE APOYO, NIVELACIÓN Y APUNTALAMIENTO DE LA CIMBRA, PRUEBAS DE CARGA, TRANSPORTES, MONTAJE Y DESMONTAJE, TOTALMENTE TERMINADA Y MONTADA.			
04.03.02.02.03	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	3599,40	113,62	408.963,83
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
04.03.02.02.04	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	413700,00	1,81	748.797,00
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
04.03.02.02.05	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA	3168,00	29,17	92.410,56
(690.0050)	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, ALERTAS?) CON LÁMINA ASFÁLTICA. CONSTITUÍDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOPLETE AL SOPORTE PREVIAMENTE IMPRIMADO (SOLAPES DE 8 cm MÍNIMO); LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHERIDA AL SOPORTE CON SOPLETE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CORRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEXTIL. LISTA PARA VERTER TIERRAS.			
04.03.02.02.06	m² IMPERMEABILIZACIÓN DE TABLEROS DE PUENTES CON LÁMINA SBS EN SISTEMA BICAPA	663,00	34,26	22.714,38
(690.0031)	IMPERMEABILIZACIÓN DEL TABLERO MEDIANTE LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO SBS EN SISTEMA BICAPA, FORMADA POR CAPA INFERIOR DE MASA NOMINAL 3kg/m2 Y FIELTRO DE FIBRA DE VIDRIO Y CAPA SUPERIOR AUTOPROTEGIDA CON GRÁNULOS CERÁMICOS, DE 6 kg/m2 DE MASA NOMINAL, TOTALMENTE ADHERIDA AL SOPORTE CON SOPLETE, INCLUSO PREPARACIÓN Y LIMPIEZA PREVIA DEL SOPORTE, SOLAPES Y PRUEBAS DE ESTANQUEIDAD. TOTALMENTE TERMINADA.			
TOTAL 04.03.02.02				1.816.753,93

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.03.02.03	ACABADOS Y EQUIPAMIENTOS			
04.03.02.03.01	ud REDACCIÓN DE "PROYECTO E INFORME DE PRUEBA DE CARGA" EN PUENTE HIPERESTÁTICO	1,00	3.324,72	3.324,72
(695.0020)	REDACCIÓN DE "PROYECTO E INFORME DE PRUEBA DE CARGA" DESCRIBIENDO LOS MEDIOS EMPLEADOS Y LOS RESULTADOS OBTENIDOS i/ LA REALIZACIÓN DE LOS CÁLCULOS Y LA DEFINICIÓN DE LOS PLANOS QUE SE CONSIDERE NECESARIO, EN PUENTES HIPERESTÁTICOS			
04.03.02.03.02	día PUESTA A DISPOSICIÓN Y PRESTACIÓN DE SERVICIO DE VEHÍCULO DE SUMINISTRO DE CARGA	6,00	465,47	2.792,82
(695.0120)	PUESTA A DISPOSICIÓN Y PRESTACIÓN DE SERVICIO DE VEHÍCULO DE SUMINISTRO DE CARGA			
04.03.02.03.03	ud REALIZACIÓN DE PRUEBA DE CARGA EN MARCO O PÓRTICO DE HORMIGÓN ARMADO	1,00	1.118,31	1.118,31
(695.0030)	REALIZACIÓN DE PRUEBA DE CARGA EN MARCO O PÓRTICO DE HORMIGÓN ARMADO			
TOTAL 04.03.02.03				7.235,85
TOTAL 04.03.02				2.248.430,18
04.03.03	PI1-PASO INFERIOR 1			
04.03.03.01	m³ DEMOLICIÓN DE FÁBRICA HORMIGÓN ARMADO	26,25	33,07	868,09
(301.0020)	DEMOLICIÓN DE FÁBRICA HORMIGÓN ARMADO i/ DESESCOMBRO, CARGA Y TRANSPORTE DE MATERIAL DEMOLIDO A GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.			
04.03.03.02	m² CORTE CON DISCO	3,50	624,81	2.186,84
(301.0090)	CORTE CON DISCO i/DESESCOMBRO, CARGA Y TRANSPORTE DE MATERIAL DEMOLIDO A GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.			
04.03.03.03	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	170,00	0,57	96,90
(300.0010)	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VERTEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.03.03.04	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	117,98	6,70	790,47
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEOS DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
TOTAL 04.03.03				88.812,60

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.03.03.05	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA	58,99	8,45	498,47
(332.0050)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMOS, YACIMIENTO GRANULAR Y/O CANTERA, i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
04.03.03.06	m³ CIMBRA CUAJADA	349,39	12,21	4.266,05
(681.0010)	CIMBRA CUAJADA i/ PROYECTO, PREPARACIÓN DE LA SUPERFICIE DE APOYO, NIVELACIÓN Y APUNTALAMIENTO DE LA CIMBRA, PRUEBAS DE CARGA, TRANSPORTES, MONTAJE Y DESMONTAJE, TOTALMENTE TERMINADA Y MONTADA.			
04.03.03.07	m² ENCOFRADO VISTO PLANO	481,84	33,91	16.339,19
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHIHEMBADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.03.03.08	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA	12,16	66,48	808,40
(610.0010)	HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.			
04.03.03.09	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	195,34	113,62	22.194,53
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
04.03.03.10	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	19532,75	1,81	35.354,28
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
04.03.03.11	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA	176,06	29,17	5.135,67
(690.0050)	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, ALERTAS?) CON LÁMINA ASFÁLTICA. CONSTITUÍDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOLETE AL SOPORTE PREVIAMENTE IMPRIMADO (SOLAPES DE 8 cm MÍNIMO); LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHERIDA AL SOPORTE CON SOLETE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CORRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEXTIL. LISTA PARA VERTER TIERRAS.			
04.03.03.12	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP	117,98	2,32	273,71
(690.0070)	PINTADO DE IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP.			
TOTAL 04.03.03				88.812,60

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
TOTAL 04.03.....				8.315.750,25
04.04	PASARELAS			
04.04.01	PS1-PASARELA			
04.04.01.01	TRABAJOS PREVIOS Y CIMENTACIONES			
04.04.01.01.01	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	42,00	0,57	23,94
(300.0010)	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VER- TEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DIS- TANCIA.			
04.04.01.01.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	84,00	6,70	562,80
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSI- TO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA AN- CHURA < 3 m y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIEN- TO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.04.01.01.03	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA	58,80	8,45	496,86
(332.0050)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCE- DENTE DE PRÉSTAMOS, YACIMIENTO GRANULAR Y/O CANTERA, i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMI- NACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
04.04.01.01.04	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA	2,40	66,48	159,55
(610.0010)	HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.			
04.04.01.01.05	m² ENCOFRADO OCULTO PLANO	32,00	28,44	910,08
(680.0010)	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCO- FRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECU- CIÓN.			
04.04.01.01.06	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS	24,00	109,05	2.617,20
(610.0060)	HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.04.01.01.07	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	2400,00	1,81	4.344,00
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DO- BLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RE- COCIDO Y SEPARADORES.			
TOTAL 04.04.01.01				9.114,43
04.04.01.02	ALZADOS			
04.04.01.02.01	m² ENCOFRADO VISTO PLANO	52,00	33,91	1.763,32
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRA- DO, EJECUTADO CON MADERA MACHIHEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PA- RA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.04.01.02.02	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	9,20	113,62	1.045,30
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TA- BLEROS, LOSAS, MUROS Y MARCOS.			
04.04.01.02.03	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	1900,00	1,81	3.439,00
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DO- BLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RE- COCIDO Y SEPARADORES.			
04.04.01.02.04	m³ ALIGERAMIENTO DE POLIESTIRENO EXPANDIDO	0,07	79,18	5,54
(682.0010)	ALIGERAMIENTO DE POLIESTIRENO EXPANDIDO.			
04.04.01.02.05	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA	18,00	29,17	525,06
(690.0050)	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, ALE- TAS?) CON LÁMINA ASFÁLTICA. CONSTITUÍDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOPLETE AL SOPORTE PREVIAMENTE IMPRIMADO (SOLAPES DE 8 cm MÍNIMO); LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHE- RIDA AL SOPORTE CON SOPLETE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CO- RRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEX- TIL. LISTA PARA VERTER TIERRAS.			

TOTAL 04.04.01.02 6.778,22

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.04.01.03	TABLEROS			
04.04.01.03.01	kg ACERO LAMINADO ESTRUCTURAL S355 J2+N EN CHAPAS	112465,60	3,96	445.363,78
(620.0030)	ACERO LAMINADO ESTRUCTURAL S355 J2+N EN CHAPAS i/ P.P. DE DESPUNTES, CORTE, DOBLADO, SOLDADURAS, TRANSPORTE, POSICIONAMIENTO Y COLOCACIÓN EN OBRA, PROTECCIÓN ANTI-CORROSIÓN TOTALMENTE MONTADO.			
04.04.01.03.02	kg ACERO ESPECIAL Y1030H EN BARRAS PARA PRETENSAR	6892,93	6,23	42.942,95
(601.0020)	ACERO ESPECIAL Y1030H EN BARRAS PARA PRETENSAR.			
04.04.01.03.03	m² PRELOSA PREFABRICADA DE HORMIGÓN DE HASTA 6 cm DE ESPESOR	350,00	55,50	19.425,00
(630.3000)	PRELOSA PREFABRICADA DE HORMIGÓN DE HASTA 6 cm DE ESPESOR, COMPLETAMENTE EJECUTADA i/ SUMINISTRO, TRANSPORTE Y COLOCACIÓN.			
04.04.01.03.04	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	87,50	113,62	9.941,75
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
04.04.01.03.05	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	10937,50	1,81	19.796,88
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
04.04.01.03.06	m² IMPERMEABILIZACIÓN DE TABLEROS DE PUENTES CON LÁMINA SBS EN SISTEMA BICAPA	350,00	34,26	11.991,00
(690.0031)	IMPERMEABILIZACIÓN DEL TABLERO MEDIANTE LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO SBS EN SISTEMA BICAPA, FORMADA POR CAPA INFERIOR DE MASA NOMINAL 3kg/m2 Y FIELTRO DE FIBRA DE VIDRIO Y CAPA SUPERIOR AUTOPROTEGIDA CON GRÁNULOS CERÁMICOS, DE 6 kg/m2 DE MASA NOMINAL, TOTALMENTE ADHERIDA AL SOPORTE CON SOPLETE, INCLUSO PREPARACIÓN Y LIMPIEZA PREVIA DEL SOPORTE, SOLAPES Y PRUEBAS DE ESTANQUEIDAD. TOTALMENTE TERMINADA.			
04.04.01.03.07	m² PINTURA ESTRUCTURA METÁLICA AMBIENTE C4	849,12	22,14	18.799,52
(SE02_N)	Pintado de estructura de acero con sistema de protección con grado de durabilidad H, para clase de exposición C4, formado por 3 capas, capa de imprimación de 125 µm, capa intermedia de 125 µm, y capa de acabado de 70 µm, con un espesor total de protección de 320 µm, aplicado de forma manual, según UNE-EN ISO 12944.			
04.04.01.03.08	u IZADO Y MONTAJE DE ESTRUCTURA METÁLICA GRANDES DIMENSIONES	1,00	10.734,09	10.734,09
(SE03_N)	Operación de izado y montaje de estructura metálica del tablero de la pasarela mediante grúa autopropulsada desde lugar de acopio intermedio en obra hasta su ubicación definitiva sobre aparatos de apoyo, totalmente montada, nivelada y anclada.			
TOTAL 04.04.01.03				578.994,97

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.04.01.04	ACABADOS Y EQUIPAMIENTOS			
04.04.01.04.01	m JUNTA DE DILATACIÓN PARA TABLERO DE 70 mm DE MOVIMIENTO MÁXIMO, TIPO JNA O SIMILAR	10,00	374,58	3.745,80
(694.0020)	JUNTA DE DILATACIÓN PARA TABLERO DE 70 mm DE MOVIMIENTO MÁXIMO, TIPO JNA O SIMILAR, TOTALMENTE COLOCADA i/ P.P. DE OPERACIONES DE CORTE Y DEMOLICIÓN, PERFORACIONES, RESINA EPOXI, PERNOS, ANCLAJES QUÍMICOS Y SELLADORES.			
04.04.01.04.02	dm³ APARATO DE APOYO DE NEOPRENO ZUNCHADO (STANDARD, ANCLADO O GOFRADO) SUSTITUIBLE	72,00	28,77	2.071,44
(692.0100)	APARATO DE APOYO DE NEOPRENO ZUNCHADO (STANDARD, ANCLADO O GOFRADO) SUSTITUIBLE, TOTALMENTE COLOCADO i/ NIVELACIÓN DEL APOYO CON MORTERO ESPECIAL DE ALTA RESISTENCIA Y AUTONIVELANTE.			
04.04.01.04.03	ud REDACCIÓN DE "PROYECTO E INFORME DE PRUEBA DE CARGA" EN PUENTE HIPERESTÁTICO	1,00	3.324,72	3.324,72
(695.0020)	REDACCIÓN DE "PROYECTO E INFORME DE PRUEBA DE CARGA" DESCRIBIENDO LOS MEDIOS EMPLEADOS Y LOS RESULTADOS OBTENIDOS i/ LA REALIZACIÓN DE LOS CÁLCULOS Y LA DEFINICIÓN DE LOS PLANOS QUE SE CONSIDERE NECESARIO, EN PUENTES HIPERESTÁTICOS			
04.04.01.04.04	ud REALIZACIÓN DE PRUEBA DE CARGA EN PUENTE HIPERESTÁTICO DE HASTA 4 VANOS DE LUZ MÁXIMA > 40 m	1,00	4.313,63	4.313,63
(695.0100)	REALIZACIÓN DE PRUEBA DE CARGA EN PUENTE HIPERESTÁTICO DE HASTA 4 VANOS DE LUZ MÁXIMA > 40 m			
04.04.01.04.05	m BARANDILLA METÁLICA PEATONAL PINTADA S/DO	160,00	234,58	37.532,80
(S04_N)	M DE BARANDILLA METÁLICA PEATONAL APROBADA POR LA DO, PROTEGIDA FRENTE A LA CORROSIÓN. I/ PASAMANOS, TOTALMENTE INSTALADA			
TOTAL 04.04.01.04				50.988,39
TOTAL 04.04.01				645.876,01
TOTAL 04.04.....				645.876,01
04.05	MUROS			
04.05.01	M1-MURO 1			
04.05.01.01	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	530,20	0,57	302,21
(300.0010)	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VERTEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.05.01.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	520,56	6,70	3.487,75
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA AN-			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	CHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.05.01.03	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA	284,38	8,45	2.403,01
(332.0050)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMOS, YACIMIENTO GRANULAR Y/O CANTERA, i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
04.05.01.04	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA	33,74	66,48	2.243,04
(610.0010)	HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.			
04.05.01.05	m² ENCOFRADO VISTO PLANO	1116,17	33,91	37.849,32
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHIHEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.05.01.06	m² ENCOFRADO OCULTO PLANO	125,82	28,44	3.578,32
(680.0010)	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.05.01.07	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS	220,19	109,05	24.011,72
(610.0060)	HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS.			
04.05.01.08	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	279,04	113,62	31.704,52
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
04.05.01.09	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	41103,71	1,81	74.397,72
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
04.05.01.10	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA	557,10	29,17	16.250,61
(690.0050)	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, ALERTAS?) CON LÁMINA ASFÁLTICA. CONSTITUIDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOPLETE AL SOPORTE PREVIAMENTE IMPRIMADO			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	(SOLAPES DE 8 cm MÍNIMO); LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHERIDA AL SOPORTE CON SOPLETE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CORRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEXTIL. LISTA PARA VERTER TIERRAS.			
04.05.01.11	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP	531,63	2,32	1.233,38
(690.0070)	PINTADO DE IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP.			
TOTAL 04.05.01				197.461,60
04.05.02	M2-MURO 2			
04.05.02.01	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	1421,25	0,57	810,11
(300.0010)	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VERTEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.05.02.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	4310,50	6,70	28.880,35
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.05.02.03	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA	3225,00	8,45	27.251,25
(332.0050)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMOS, YACIMIENTO GRANULAR Y/O CANTERA, i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
04.05.02.04	m³ EXCAVACIÓN EN VACIADO ENTRE PANTALLAS EN CUALQUIER TIPO DE TERRENO A CIELO ABIERTO	4792,90	4,32	20.705,33
(320.0050)	EXCAVACIÓN EN VACIADO ENTRE PANTALLAS EN CUALQUIER TIPO DE TERRENO A CIELO ABIERTO i/ CARGA Y TRANSPORTE A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.05.02.05	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA	40,05	66,48	2.662,52
(610.0010)	HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.05.02.06	m² ENCOFRADO OCULTO PLANO	132,00	28,44	3.754,08
(680.0010)	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.05.02.07	m² ENCOFRADO VISTO PLANO	1110,00	33,91	37.640,10
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHIHEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.05.02.08	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS	1123,03	109,05	122.466,42
(610.0060)	HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS.			
04.05.02.09	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	340,50	113,62	38.687,61
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
04.05.02.10	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	157455,50	1,81	284.994,46
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
04.05.02.11	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA	555,00	29,17	16.189,35
(690.0050)	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, ALERTAS?) CON LÁMINA ASFÁLTICA. CONSTITUIDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOPLETE AL SOPORTE PREVIAMENTE IMPRIMADO (SOLAPES DE 8 cm MÍNIMO); LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHERIDA AL SOPORTE CON SOPLETE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CORRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEXTIL. LISTA PARA VERTER TIERRAS.			
04.05.02.12	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP	560,30	2,32	1.299,90
(690.0070)	PINTADO DE IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIÓNICA AL 50% DE BETÚN, C50 BF5 IMP.			
04.05.02.13	ud EQUIPO Y MEDIOS AUXILIARES PILOTES HASTA 1200 mm	1,00	8.000,00	8.000,00
(680.1000)	TRANSPORTE, MONTAJE Y RETIRADA DEL EQUIPO Y MEDIOS AUXILIARES PARA EJECUCIÓN DE PILOTES DE DIÁMETRO HASTA 1200 mm.			
04.05.02.14	m PILOTE DE DIÁMETRO DESDE 650 HASTA 850 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD	1271,45	65,13	82.809,54
(671.0040)	PERFORACIÓN DE PILOTE DE DIÁMETRO DESDE 650 HASTA 850 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD i/			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	CAMISA Y SU RECUPERACIÓN.			
04.05.02.15	m SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEG	3814,36	5,20	19.834,67
(308.0020)	SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEGURAR SU ESTANQUEIDAD, COMPLETAMENTE FIJADO A LA ARMADURA DEL PILOTE			
04.05.02.16	ud ENSAYO POR "CROSS-HOLE" ULTRASÓNICO (3 TUBOS, 3 DIAGRAFÍAS POR PILOTE) HASTA 20 m DE PROFUNDIDAD	90,82	50,00	4.541,00
(308.0040)	ENSAYO DE INTEGRIDAD ESTRUCTURAL POR "CROSS-HOLE" ULTRASÓNICO DE PILOTE INSTRUMENTADO CON TRES (3) TUBOS (3 DIAGRAFÍAS POR PILOTE) HASTA 20 m DE PROFUNDIDAD.			
04.05.02.17	m ANCLAJE PERMANENTE CON INYECCIÓN REPETITIVA Y SELECTIVA (IRS) TIPO 4B (8 CABLES)	542,50	212,32	115.183,60
(675.1120)	ANCLAJE TIPO 4B (8 CABLES), PROBADO Y ACEPTADO i/ EMPLAZAMIENTOS, PERFORACIÓN, SUMINISTRO Y COLOCACIÓN DEL TIRANTE, INYECCIÓN Y MATERIAL AUXILIAR (CENTRADORES, SEPARADORES, TUBOS, ETC).			
04.05.02.18	ud PARTE FIJA DEL ANCLAJE TIPO 3, 4A, 4B, 7, 8A Y 8B	31,00	263,79	8.177,49
(675.1270)	PORTE FIJA DEL ANCLAJE TIPO 3, 4A, 4B, 7, 8A Y 8B, i/ ELIMINACIÓN DE LONGITUD DEL TIRANTE SOBRANTE, CABEZA DE ANCLAJE Y TESADO CON ENSAYO DE ACEPTACIÓN, SELLADO, IMPERMEABILIZACIÓN Y CUALQUIER OPERACIÓN NECESARIA PARA LA PUESTA EN SERVICIO.			
04.05.02.19	m³ HORMIGÓN PROYECTADO H/MP/30 EN SOSTENIMIENTO DE TÚNELES Y OBRAS SUBTERRÁNEAS	127,25	269,02	34.232,80
(803.0420)	HORMIGÓN PROYECTADO H/MP/30 CON CUALQUIER ESPESOR EN SOSTENIMIENTO DE TÚNELES Y OBRAS SUBTERRÁNEAS i/ LOS ADITIVOS NECESARIOS Y P.P. POR RECHAZO EN LA COLOCACIÓN, SIN ADICIÓN DE FIBRAS.			
04.05.02.20	m² MALLA ELECTROSOLDADA SOSTENIMIENTO TÚNELES ACERO CORRUGADO B 500 T DE DIÁMETRO 10 mm CUADRÍCULA 15 X 15	848,30	48,48	41.125,58
(803.0240)	MALLA ELECTROSOLDADA EN SOSTENIMIENTO DE TÚNELES CON ACERO CORRUGADO B 500 T DE Ø 10 mm EN CUADRÍCULA 15 X 15, COLOCADO EN OBRA i/ P.P. DE ALAMBRE DE ATAR, SEGÚN EHE-08 Y CTE-SE-A.			
04.05.02.21	m² CHAPA NERVADA O TROQUELADA 2 mm Y 9 ONDAS POR PANEL COMO ENCOFRADO PERDIDO EN SOSTENIMIENTO O EN RELLENOS DE TÚNELES Y OBRAS SUB	848,30	86,35	73.250,71
(803.0630)	CHAPA NERVADA O TROQUELADA DE 2 mm DE ESPESOR Y 9 ONDAS POR PANEL COMO ENCOFRADO PERDIDO EN SOSTENIMIENTO O EN RELLENOS DE TÚNELES Y OBRAS SUBTERRÁNEAS i/ P.P. DE PERFILES Y PUNTALES PROVISIONALES PARA SUJECIÓN Y FIJACIÓN DEL ENCOFRADO.			
04.05.02.22	ud BARRA Ø16 DE ACERO CORRUGADO B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, ANCLADA A POSTERIORI L<0,70 m	1271,45	16,84	21.411,22
(675.0010)	BARRA ø 16 DE ACERO CORRUGADO B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, ANCLADA A POSTERIORI i/ PERFORACIÓN, COLOCACIÓN E INYECCIÓN DE RESINA EPOXI, SEGÚN DEFINICIÓN EN PLANOS (LONGITUD < 0,70 m).			
TOTAL 04.05.02.....				993.908,09

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.05.03	M3-MURO 3			
04.05.03.01	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	1421,25	0,57	810,11
(300.0010)	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VERTEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.05.03.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	2962,00	6,70	19.845,40
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.05.03.03	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA	1908,00	8,45	16.122,60
(332.0050)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMOS, YACIMIENTO GRANULAR Y/O CANTERA, i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
04.05.03.04	m³ EXCAVACIÓN EN VACIADO ENTRE PANTALLAS EN CUALQUIER TIPO DE TERRENO A CIELO ABIERTO	4792,90	4,32	20.705,33
(320.0050)	EXCAVACIÓN EN VACIADO ENTRE PANTALLAS EN CUALQUIER TIPO DE TERRENO A CIELO ABIERTO i/ CARGA Y TRANSPORTE A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.05.03.05	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA	31,05	66,48	2.064,20
(610.0010)	HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.			
04.05.03.06	m² ENCOFRADO OCULTO PLANO	102,00	28,44	2.900,88
(680.0010)	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.05.03.07	m² ENCOFRADO VISTO PLANO	952,50	33,91	32.299,28
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHIHEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.05.03.08	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS	994,03	109,05	108.398,97
(610.0060)	HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS.			
04.05.03.09	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	229,13	113,62	26.033,75
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
04.05.03.10	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	139427,38	1,81	252.363,56
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
04.05.03.11	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA	476,25	29,17	13.892,21
(690.0050)	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, ALERTAS?) CON LÁMINA ASFÁLTICA. CONSTITUÍDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOPLETE AL SOPORTE PREVIAMENTE IMPRIMADO (SOLAPES DE 8 cm MÍNIMO); LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHERIDA AL SOPORTE CON SOPLETE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CORRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEXTIL. LISTA PARA VERTER TIERRAS.			
04.05.03.12	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP	470,30	2,32	1.091,10
(690.0070)	PINTADO DE IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP.			
04.05.03.13	ud EQUIPO Y MEDIOS AUXILIARES PILOTES HASTA 1200 mm	1,00	8.000,00	8.000,00
(680.1000)	TRANSPORTE, MONTAJE Y RETIRADA DEL EQUIPO Y MEDIOS AUXILIARES PARA EJECUCIÓN DE PILOTES DE DIÁMETRO HASTA 1200 mm.			
04.05.03.14	m PILOTE DE DIÁMETRO DESDE 650 HASTA 850 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD	1271,45	65,13	82.809,54
(671.0040)	PERFORACIÓN DE PILOTE DE DIÁMETRO DESDE 650 HASTA 850 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD i/ CAMISA Y SU RECUPERACIÓN.			
04.05.03.15	m SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEG	3814,36	5,20	19.834,67
(308.0020)	SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEGURAR SU ESTANQUEIDAD, COMPLETAMENTE FIJADO A LA ARMADURA DEL PILOTE			
04.05.03.16	ud ENSAYO POR "CROSS-HOLE" ULTRASÓNICO (3 TUBOS, 3 DIAGRAFÍAS POR PILOTE) HASTA 20 m DE PROFUNDIDAD	90,82	50,00	4.541,00
(308.0040)	ENSAYO DE INTEGRIDAD ESTRUCTURAL POR "CROSS-HOLE" ULTRASÓNICO DE PILOTE INSTRUMENTADO CON TRES (3) TUBOS (3 DIAGRAFÍAS POR PILOTE) HASTA 20 m DE PROFUNDIDAD.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN		CANTIDAD	PRECIO	IMPORTE
04.05.03.17	m	ANCLAJE PERMANENTE CON INYECCIÓN REPETITIVA Y SELECTIVA (IRS) TIPO 4B (8 CABLES)	542,50	212,32	115.183,60
(675.1120)		ANCLAJE TIPO 4B (8 CABLES), PROBADO Y ACEPTADO i/ EMPLAZAMIENTOS, PERFORACIÓN, SUMINISTRO Y COLOCACIÓN DEL TIRANTE, INYECCIÓN Y MATERIAL AUXILIAR (CENTRADORES, SEPARADORES, TUBOS, ETC).			
04.05.03.18	ud	PARTE FIJA DEL ANCLAJE TIPO 3, 4A, 4B, 7, 8A Y 8B	31,00	263,79	8.177,49
(675.1270)		PARTE FIJA DEL ANCLAJE TIPO 3, 4A, 4B, 7, 8A Y 8B, i/ ELIMINACIÓN DE LONGITUD DEL TIRANTE SOBRANTE, CABEZA DE ANCLAJE Y TESADO CON ENSAYO DE ACEPTACIÓN, SELLADO, IMPERMEABILIZACIÓN Y CUALQUIER OPERACIÓN NECESARIA PARA LA PUESTA EN SERVICIO.			
04.05.03.19	m³	HORMIGÓN PROYECTADO H/MP/30 EN SOSTENIMIENTO DE TÚNELES Y OBRAS SUBTERRÁNEAS	127,25	269,02	34.232,80
(803.0420)		HORMIGÓN PROYECTADO H/MP/30 CON CUALQUIER ESPESOR EN SOSTENIMIENTO DE TÚNELES Y OBRAS SUBTERRÁNEAS i/ LOS ADITIVOS NECESARIOS Y P.P. POR RECHAZO EN LA COLOCACIÓN, SIN ADICIÓN DE FIBRAS.			
04.05.03.20	m²	MALLA ELECTROSOLDADA SOSTENIMIENTO TÚNELES ACERO CORRUGADO B 500 T DE DIÁMETRO 10 mm CUADRÍCULA 15 X 15	848,30	48,48	41.125,58
(803.0240)		MALLA ELECTROSOLDADA EN SOSTENIMIENTO DE TÚNELES CON ACERO CORRUGADO B 500 T DE Ø 10 mm EN CUADRÍCULA 15 X 15, COLOCADO EN OBRA i/ P.P. DE ALAMBRE DE ATAR, SEGÚN EHE-08 Y CTE-SE-A.			
04.05.03.21	m²	CHAPA NERVADA O TROQUELADA 2 mm Y 9 ONDAS POR PANEL COMO ENCOFRADO PERDIDO EN SOSTENIMIENTO O EN RELLENOS DE TÚNELES Y OBRAS SUB	848,30	86,35	73.250,71
(803.0630)		CHAPA NERVADA O TROQUELADA DE 2 mm DE ESPESOR Y 9 ONDAS POR PANEL COMO ENCOFRADO PERDIDO EN SOSTENIMIENTO O EN RELLENOS DE TÚNELES Y OBRAS SUBTERRÁNEAS i/ P.P. DE PERFILES Y PUNTALES PROVISIONALES PARA SUJECCIÓN Y FIJACIÓN DEL ENCOFRADO.			
04.05.03.22	ud	BARRA Ø16 DE ACERO CORRUGADO B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, ANCLADA A POSTERIORI L<0,70 m	1271,45	16,84	21.411,22
(675.0010)		BARRA ø 16 DE ACERO CORRUGADO B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, ANCLADA A POSTERIORI i/ PERFORACIÓN, COLOCACIÓN E INYECCIÓN DE RESINA EPOXI, SEGÚN DEFINICIÓN EN PLANOS (LONGITUD < 0,70 m).			
TOTAL 04.05.03					905.094,00
04.05.04	M4-MURO 4				
04.05.04.01	m²	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	676,50	0,57	385,61
(300.0010)		DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VERTEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.05.04.02	m³	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	340,13	6,70	2.278,87
(321.0010)		EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA AN-			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN		CANTIDAD	PRECIO	IMPORTE
		CHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEOS DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.05.04.03	m³	EXCAVACIÓN EN VACIADO ENTRE PANTALLAS EN CUALQUIER TIPO DE TERRENO A CIELO ABIERTO	2210,85	4,32	9.550,87
(320.0050)		EXCAVACIÓN EN VACIADO ENTRE PANTALLAS EN CUALQUIER TIPO DE TERRENO A CIELO ABIERTO i/ CARGA Y TRANSPORTE A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.05.04.04	m³	HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA	7,22	66,48	479,99
(610.0010)		HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.			
04.05.04.05	m²	ENCOFRADO OCULTO PLANO	120,40	28,44	3.424,18
(680.0010)		ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.05.04.06	m³	HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS	427,80	109,05	46.651,59
(610.0060)		HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS.			
04.05.04.07	kg	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	56514,88	1,81	102.291,93
(600.0010)		ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
04.05.04.08	ud	EQUIPO Y MEDIOS AUXILIARES PILOTES HASTA 1200 mm	1,00	8.000,00	8.000,00
(680.1000)		TRANSPORTE, MONTAJE Y RETIRADA DEL EQUIPO Y MEDIOS AUXILIARES PARA EJECUCIÓN DE PILOTES DE DIÁMETRO HASTA 1200 mm.			
04.05.04.09	m	PILOTE DE DIÁMETRO DESDE 650 HASTA 850 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD	644,92	65,13	42.003,64
(671.0040)		PERFORACIÓN DE PILOTE DE DIÁMETRO DESDE 650 HASTA 850 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD i/ CAMISA Y SU RECUPERACIÓN.			
04.05.04.10	m	ANCLAJE PERMANENTE CON INYECCIÓN REPETITIVA Y SELECTIVA (IRS) TIPO 4B (8 CABLES)	105,00	212,32	22.293,60
(675.1120)		ANCLAJE TIPO 4B (8 CABLES), PROBADO Y ACEPTADO i/ EMPLAZAMIENTOS, PERFORACIÓN, SUMINISTRO Y COLOCACIÓN DEL TIRANTE, INYECCIÓN Y MATERIAL AUXILIAR (CENTRADORES, SEPARADORES, TUBOS, ETC).			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.05.04.11	ud PARTE FIJA DEL ANCLAJE TIPO 3, 4A, 4B, 7, 8A Y 8B	6,00	263,79	1.582,74
(675.1270)	PARTE FIJA DEL ANCLAJE TIPO 3, 4A, 4B, 7, 8A Y 8B, i/ ELIMINACIÓN DE LONGI-TUD DEL TIRANTE SOBRANTE, CABEZA DE ANCLAJE Y TESADO CON ENSAYO DE ACEPTACIÓN, SELLADO, IMPERMEABILIZACIÓN Y CUALQUIER OPERACIÓN NECE-SARIA PARA LA PUESTA EN SERVICIO.			
04.05.04.12	m SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEG	1934,75	5,20	10.060,70
(308.0020)	SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEGURAR SU ESTANQUEIDAD, COMPLETAMENTE FIJADO A LA ARMADURA DEL PILOTE			
04.05.04.13	ud ENSAYO POR "CROSS-HOLE" ULTRASÓNICO (3 TUBOS, 3 DIAGRAFÍAS POR PILOTE) HASTA 20 m DE PROFUNDIDAD	54,78	50,00	2.739,00
(308.0040)	ENSAYO DE INTEGRIDAD ESTRUCTURAL POR "CROSS-HOLE" ULTRASÓNICO DE PILOTE INSTRUMENTADO CON TRES (3) TUBOS (3 DIAGRAFÍAS POR PILOTE) HAS-TA 20 m DE PROFUNDIDAD.			
04.05.04.14	m³ HORMIGÓN PROYECTADO H/MP/30 EN SOSTENIMIENTO DE TÚNELES Y OBRAS SUBTERRÁNEAS	58,70	269,02	15.791,47
(803.0420)	HORMIGÓN PROYECTADO H/MP/30 CON CUALQUIER ESPESOR EN SOSTENI-MIENTO DE TÚNELES Y OBRAS SUBTERRÁNEAS i/ LOS ADITIVOS NECESARIOS Y P.P. POR RECHAZO EN LA COLOCACIÓN, SIN ADICIÓN DE FIBRAS.			
04.05.04.15	ud BARRA Ø16 DE ACERO CORRUGADO B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, ANCLADA A POSTERIORI L<0,70 m	657,38	16,84	11.070,28
(675.0010)	BARRA ø 16 DE ACERO CORRUGADO B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, ANCLADA A POSTERIORI i/ PERFORACIÓN, COLO-CACIÓN E INYECCIÓN DE RESINA EPOXI, SEGÚN DEFINICIÓN EN PLANOS (LONGI-TUD < 0,70 m).			
04.05.04.16	m² MALLA ELECTROSOLDADA SOSTENIMIENTO TÚNELES ACERO CORRUGADO B 500 T DE DIÁMETRO 10 mm CUADRÍCULA 15 X 15	391,30	48,48	18.970,22
(803.0240)	MALLA ELECTROSOLDADA EN SOSTENIMIENTO DE TÚNELES CON ACERO CO-RRUGADO B 500 T DE Ø 10 mm EN CUADRÍCULA 15 X 15, COLOCADO EN OBRA i/ P.P. DE ALAMBRE DE ATAR, SEGÚN EHE-08 Y CTE-SE-A.			
04.05.04.17	m² CHAPA NERVADA O TROQUELADA 2 mm Y 9 ONDAS POR PANEL COMO ENCOFRADO PERDIDO EN SOSTENIMIENTO O EN RELLENOS DE TÚNELES Y OBRAS SUB	391,30	86,35	33.788,76
(803.0630)	CHAPA NERVADA O TROQUELADA DE 2 mm DE ESPESOR Y 9 ONDAS POR PANEL COMO ENCOFRADO PERDIDO EN SOSTENIMIENTO O EN RELLENOS DE TÚNELES Y OBRAS SUBTERRÁNEAS i/ P.P. DE PERFILES Y PUNTALES PROVISIONALES PARA SUJECIÓN Y FIJACIÓN DEL ENCOFRADO.			
TOTAL 04.05.04				331.363,45

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.05.05	M5-MURO 5			
04.05.05.01	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	676,50	0,57	385,61
(300.0010)	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VER-TEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DIS-TANCIA.			
04.05.05.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	1045,13	6,70	7.002,37
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSI-TO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA AN-CHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIEN-TO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.05.05.03	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA	600,00	8,45	5.070,00
(332.0050)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCE-DENTE DE PRÉSTAMOS, YACIMIENTO GRANULAR Y/O CANTERA, i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMI-NACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
04.05.05.04	m³ EXCAVACIÓN EN VACIADO ENTRE PANTALLAS EN CUALQUIER TIPO DE TERRENO A CIELO ABIERTO	2210,85	4,32	9.550,87
(320.0050)	EXCAVACIÓN EN VACIADO ENTRE PANTALLAS EN CUALQUIER TIPO DE TERRENO A CIELO ABIERTO i/ CARGA Y TRANSPORTE A VERTEDERO HASTA UNA DISTAN-CIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.05.05.05	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA	18,32	66,48	1.217,91
(610.0010)	HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.			
04.05.05.06	m² ENCOFRADO VISTO PLANO	246,00	33,91	8.341,86
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRA-DO, EJECUTADO CON MADERA MACHIHEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PA-RA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.05.05.07	m² ENCOFRADO OCULTO PLANO	156,40	28,44	4.448,02
(680.0010)	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCO-FRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECU-CIÓN.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.05.05.08	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS	490,80	109,05	53.521,74
(610.0060)	HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS.			
04.05.05.09	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	61,50	113,62	6.987,63
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
04.05.05.10	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	65852,38	1,81	119.192,81
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
04.05.05.11	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA	123,00	29,17	3.587,91
(690.0050)	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, AL-TAS?) CON LÁMINA ASFÁLTICA. CONSTITUÍDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOPLETE AL SOPORTE PREVIAMENTE IMPRIMADO (SOLAPES DE 8 cm MÍNIMO); LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHE-RIDA AL SOPORTE CON SOPLETE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CO-RRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEX-TIL. LISTA PARA VERTER TIERRAS.			
04.05.05.12	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP	126,00	2,32	292,32
(690.0070)	PINTADO DE IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINO-SA CATIÓNICA AL 50% DE BETÚN, C50 BF5 IMP.			
04.05.05.13	ud EQUIPO Y MEDIOS AUXILIARES PILOTES HASTA 1200 mm	1,00	8.000,00	8.000,00
(680.1000)	TRANSPORTE, MONTAJE Y RETIRADA DEL EQUIPO Y MEDIOS AUXILIARES PARA EJECUCIÓN DE PILOTES DE DIÁMETRO HASTA 1200 mm.			
04.05.05.14	m PILOTE DE DIÁMETRO DESDE 650 HASTA 850 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD	644,92	65,13	42.003,64
(671.0040)	PERFORACIÓN DE PILOTE DE DIÁMETRO DESDE 650 HASTA 850 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD i/ CAMISA Y SU RECUPERACIÓN.			
04.05.05.15	m ANCLAJE PERMANENTE CON INYECCIÓN REPETITIVA Y SELECTIVA (IRS) TIPO 4B (8 CABLES)	105,00	212,32	22.293,60
(675.1120)	ANCLAJE TIPO 4B (8 CABLES), PROBADO Y ACEPTADO i/ EMPLAZAMIENTOS, PER-FORACIÓN, SUMINISTRO Y COLOCACIÓN DEL TIRANTE, INYECCIÓN Y MATERIAL AUXILIAR (CENTRADORES, SEPARADORES, TUBOS, ETC).			
04.05.05.16	ud PARTE FIJA DEL ANCLAJE TIPO 3, 4A, 4B, 7, 8A Y 8B	6,00	263,79	1.582,74
(675.1270)	PORTE FIJA DEL ANCLAJE TIPO 3, 4A, 4B, 7, 8A Y 8B, i/ ELIMINACIÓN DE LONGI-TUD DEL TIRANTE SOBRANTE, CABEZA DE ANCLAJE Y TESADO CON ENSAYO DE ACEPTACIÓN, SELLADO, IMPERMEABILIZACIÓN Y CUALQUIER OPERACIÓN NECE-SARIA PARA LA PUESTA EN SERVICIO.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.05.05.17	m SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEG	1934,75	5,20	10.060,70
(308.0020)	SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEGURAR SU ESTANQUEIDAD, COMPLETAMENTE FIJADO A LA ARMADURA DEL PILOTE			
04.05.05.18	ud ENSAYO POR "CROSS-HOLE" ULTRASÓNICO (3 TUBOS, 3 DIAGRAFÍAS POR PILOTE) HASTA 20 m DE PROFUNDIDAD	54,78	50,00	2.739,00
(308.0040)	ENSAYO DE INTEGRIDAD ESTRUCTURAL POR "CROSS-HOLE" ULTRASÓNICO DE PILOTE INSTRUMENTADO CON TRES (3) TUBOS (3 DIAGRAFÍAS POR PILOTE) HAS-TA 20 m DE PROFUNDIDAD.			
04.05.05.19	m³ HORMIGÓN PROYECTADO H/MP/30 EN SOSTENIMIENTO DE TÚNELES Y OBRAS SUBTERRÁNEAS	58,70	269,02	15.791,47
(803.0420)	HORMIGÓN PROYECTADO H/MP/30 CON CUALQUIER ESPESOR EN SOSTENI-MIENTO DE TÚNELES Y OBRAS SUBTERRÁNEAS i/ LOS ADITIVOS NECESARIOS Y P.P. POR RECHAZO EN LA COLOCACIÓN, SIN ADICIÓN DE FIBRAS.			
04.05.05.20	ud BARRA Ø16 DE ACERO CORRUGADO B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, ANCLADA A POSTERIORI L<0,70 m	657,38	16,84	11.070,28
(675.0010)	BARRA ø 16 DE ACERO CORRUGADO B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, ANCLADA A POSTERIORI i/ PERFORACIÓN, COLO-CACIÓN E INYECCIÓN DE RESINA EPOXI, SEGÚN DEFINICIÓN EN PLANOS (LONGI-TUD < 0,70 m).			
04.05.05.21	m² MALLA ELECTROSOLDADA SOSTENIMIENTO TÚNELES ACERO CORRUGADO B 500 T DE DIÁMETRO 10 mm CUADRÍCULA 15 X 15	391,30	48,48	18.970,22
(803.0240)	MALLA ELECTROSOLDADA EN SOSTENIMIENTO DE TÚNELES CON ACERO CO-RRUGADO B 500 T DE Ø 10 mm EN CUADRÍCULA 15 X 15, COLOCADO EN OBRA i/ P.P. DE ALAMBRE DE ATAR, SEGÚN EHE-08 Y CTE-SE-A.			
04.05.05.22	m² CHAPA NERVADA O TROQUELADA 2 mm Y 9 ONDAS POR PANEL COMO ENCOFRADO PERDIDO EN SOSTENIMIENTO O EN RELLENOS DE TÚNELES Y OBRAS SUB	391,30	86,35	33.788,76
(803.0630)	CHAPA NERVADA O TROQUELADA DE 2 mm DE ESPESOR Y 9 ONDAS POR PANEL COMO ENCOFRADO PERDIDO EN SOSTENIMIENTO O EN RELLENOS DE TÚNELES Y OBRAS SUBTERRÁNEAS i/ P.P. DE PERFILES Y PUNTALES PROVISIONALES PARA SUJECIÓN Y FIJACIÓN DEL ENCOFRADO.			
TOTAL 04.05.05				385.899,46
04.05.06	M6-MURO 6			
04.05.06.01	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	16,25	0,57	9,26
(300.0010)	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VER-TEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DIS-TANCIA.			
04.05.06.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	2,60	6,70	17,42
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSI-TO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA AN-CHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIEN- TO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.05.06.03	ud TRANSPORTE, MONTAJE Y RETIRADA DE EQUIPO	1,00	3.500,00	3.500,00
(671.1000)	TRANSPORTE, MONTAJE Y RETIRADA DE EQUIPO.			
04.05.06.04	m MICROPILOTE HASTA 180 mm INYECCIÓN TIPO IRS LECHADA HASTA 40 kg CEMENTO	390,00	69,61	27.147,90
(671.1060)	MICROPILOTE DE HASTA 180 mm DE DIÁMETRO E INYECCIÓN TIPO IRS CON LE- CHADA DE CEMENTO DE HASTA 40 kg DE CEMENTO/m (SIN ARMADURA).			
04.05.06.05	t ACERO PARA ARMADURA TUBULAR PARA MICROPILOTES (INCLUIDO UNIONES ROSCADAS).	7,92	2.200,00	17.424,00
(671.1220)	ACERO PARA ARMADURA TUBULAR PARA MICROPILOTES (INCLUIDO TODAS LAS UNIONES ROSCADAS NECESARIAS).			
04.05.06.06	m³ HORMIGÓN C25/30 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS	2,60	99,75	259,35
(610.0030)	HORMIGÓN C25/30 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS.			
04.05.06.07	m³ HORMIGÓN PROYECTADO H/MP/30 EN SOSTENIMIENTO DE TÚNELES Y OBRAS SUBTERRÁNEAS	32,50	269,02	8.743,15
(803.0420)	HORMIGÓN PROYECTADO H/MP/30 CON CUALQUIER ESPESOR EN SOSTENI- MIENTO DE TÚNELES Y OBRAS SUBTERRÁNEAS i/ LOS ADITIVOS NECESARIOS Y P.P. POR RECHAZO EN LA COLOCACIÓN, SIN ADICIÓN DE FIBRAS.			
04.05.06.08	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA	0,98	66,48	65,15
(610.0010)	HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.			
04.05.06.09	m² ENCOFRADO VISTO PLANO	5,20	33,91	176,33
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRA- DO, EJECUTADO CON MADERA MACHIHembrADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PA- RA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.05.06.10	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	156,00	1,81	282,36
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DO- BLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RE- COCIDO Y SEPARADORES.			
TOTAL 04.05.06				57.624,92

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.05.07	M7-MURO 7			
04.05.07.01	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	4200,00	0,57	2.394,00
(300.0010)	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VER- TEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DIS- TANCIA.			
04.05.07.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	4281,75	6,70	28.687,73
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSI- TO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA AN- CHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIEN- TO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.05.07.03	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA	1652,25	8,45	13.961,51
(332.0050)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCE- DENTE DE PRÉSTAMOS, YACIMIENTO GRANULAR Y/O CANTERA, i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMI- NACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
04.05.07.04	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA	262,50	66,48	17.451,00
(610.0010)	HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.			
04.05.07.05	m² ENCOFRADO VISTO PLANO	9150,00	33,91	310.276,50
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRA- DO, EJECUTADO CON MADERA MACHIHembrADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PA- RA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.05.07.06	m² ENCOFRADO OCULTO PLANO	1140,00	28,44	32.421,60
(680.0010)	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCO- FRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECU- CIÓN.			
04.05.07.07	ud EQUIPO Y MEDIOS AUXILIARES PILOTES HASTA 1200 mm	1,00	8.000,00	8.000,00
(680.1000)	TRANSPORTE, MONTAJE Y RETIRADA DEL EQUIPO Y MEDIOS AUXILIARES PARA EJECUCIÓN DE PILOTES DE DIÁMETRO HASTA 1200 mm.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN		CANTIDAD	PRECIO	IMPORTE
04.05.07.08	m	PILOTE DE DIÁMETRO DESDE 650 HASTA 850 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD	2880,00	65,13	187.574,40
(671.0040)		PERFORACIÓN DE PILOTE DE DIÁMETRO DESDE 650 HASTA 850 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD i/ CAMISA Y SU RECUPERACIÓN.			
04.05.07.09	m	SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEG	11520,00	5,20	59.904,00
(308.0020)		SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEGURAR SU ESTANQUEIDAD, COMPLETAMENTE FIJADO A LA ARMADURA DEL PILOTE			
04.05.07.10	ud	ENSAYO POR "CROSS-HOLE" ULTRASÓNICO (3 TUBOS, 3 DIAGRAFÍAS POR PILOTE) HASTA 20 m DE PROFUNDIDAD	240,00	50,00	12.000,00
(308.0040)		ENSAYO DE INTEGRIDAD ESTRUCTURAL POR "CROSS-HOLE" ULTRASÓNICO DE PILOTE INSTRUMENTADO CON TRES (3) TUBOS (3 DIAGRAFIAS POR PILOTE) HAS- TA 20 m DE PROFUNDIDAD.			
04.05.07.11	m³	HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS	4164,79	109,05	454.170,35
(610.0060)		HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS.			
04.05.07.12	m³	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	3262,50	113,62	370.685,25
(610.0070)		HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TA- BLEROS, LOSAS, MUROS Y MARCOS.			
04.05.07.13	kg	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	994087,50	1,81	1.799.298,38
(600.0010)		ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DO- BLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RE- COCIDO Y SEPARADORES.			
04.05.07.14	m²	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA	4575,00	29,17	133.452,75
(690.0050)		IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, ALE- TAS?) CON LÁMINA ASFÁLTICA. CONSTITUÍDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOPLETE AL SOPORTE PREVIAMENTE IMPRIMADO (SOLAPES DE 8 cm MÍNIMO); LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHE- RIDA AL SOPORTE CON SOPLETE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CO- RRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEX- TIL. LISTA PARA VERTER TIERRAS.			
04.05.07.15	m²	IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP	3274,50	2,32	7.596,84
(690.0070)		PINTADO DE IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINO- SA CATIÓNICA AL 50% DE BETÚN, C50 BF5 IMP.			
TOTAL 04.05.07					3.437.874,31

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN		CANTIDAD	PRECIO	IMPORTE
04.05.08	M8-MURO 8				
04.05.08.01	m²	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	577,50	0,57	329,18
(300.0010)		DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VER- TEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DIS- TANCIA.			
04.05.08.02	m³	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	1159,65	6,70	7.769,66
(321.0010)		EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSI- TO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA AN- CHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIEN- TO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.05.08.03	m³	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA	193,27	8,45	1.633,13
(332.0050)		RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCE- DENTE DE PRÉSTAMOS, YACIMIENTO GRANULAR Y/O CANTERA, i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMI- NACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
04.05.08.04	m³	HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA	79,62	66,48	5.293,14
(610.0010)		HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.			
04.05.08.05	m²	ENCOFRADO VISTO PLANO	2575,35	33,91	87.330,12
(680.0030)		ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRA- DO, EJECUTADO CON MADERA MACHIHEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PA- RA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.05.08.06	m²	ENCOFRADO OCULTO PLANO	288,75	28,44	8.212,05
(680.0010)		ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCO- FRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECU- CIÓN.			
04.05.08.07	ud	EQUIPO Y MEDIOS AUXILIARES PILOTES HASTA 1200 mm	1,00	8.000,00	8.000,00
(680.1000)		TRANSPORTE, MONTAJE Y RETIRADA DEL EQUIPO Y MEDIOS AUXILIARES PARA EJECUCIÓN DE PILOTES DE DIÁMETRO HASTA 1200 mm.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN		CANTIDAD	PRECIO	IMPORTE
04.05.08.08	m	PILOTE DE DIÁMETRO DESDE 650 HASTA 850 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD	820,80	65,13	53.458,70
(671.0040)		PERFORACIÓN DE PILOTE DE DIÁMETRO DESDE 650 HASTA 850 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD I/ CAMISA Y SU RECUPERACIÓN.			
04.05.08.09	m	SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEG	2462,40	5,20	12.804,48
(308.0020)		SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEGURAR SU ESTANQUEIDAD, COMPLETAMENTE FIJADO A LA ARMADURA DEL PILOTE			
04.05.08.10	ud	ENSAYO POR "CROSS-HOLE" ULTRASÓNICO (3 TUBOS, 3 DIAGRAFÍAS POR PILOTE) HASTA 20 m DE PROFUNDIDAD	68,40	50,00	3.420,00
(308.0040)		ENSAYO DE INTEGRIDAD ESTRUCTURAL POR "CROSS-HOLE" ULTRASÓNICO DE PILOTE INSTRUMENTADO CON TRES (3) TUBOS (3 DIAGRAFIAS POR PILOTE) HAS- TA 20 m DE PROFUNDIDAD.			
04.05.08.11	m³	HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS	1434,24	109,05	156.403,87
(610.0060)		HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS.			
04.05.08.12	m³	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	1053,23	113,62	119.667,99
(610.0070)		HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TA- BLEROS, LOSAS, MUROS Y MARCOS.			
04.05.08.13	kg	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	386943,76	1,81	700.368,21
(600.0010)		ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DO- BLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RE- COCIDO Y SEPARADORES.			
04.05.08.14	m²	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA	1287,68	29,17	37.561,63
(690.0050)		IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, ALE- TAS?) CON LÁMINA ASFÁLTICA. CONSTITUÍDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOPLETE AL SOPORTE PREVIAMENTE IMPRIMADO (SOLAPES DE 8 cm MÍNIMO); LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHE- RIDA AL SOPORTE CON SOPLETE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CO- RRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEX- TIL. LISTA PARA VERTER TIERRAS.			
04.05.08.15	m²	IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP	562,35	2,32	1.304,65
(690.0070)		PINTADO DE IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINO- SA CATIÓNICA AL 50% DE BETÚN, C50 BF5 IMP.			
TOTAL 04.05.08					1.203.556,81

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN		CANTIDAD	PRECIO	IMPORTE
04.05.09	M9-MURO 9				
04.05.09.01	m²	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	525,00	0,57	299,25
(300.0010)		DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS I/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VER- TEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DIS- TANCIA.			
04.05.09.02	m³	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	234,00	6,70	1.567,80
(321.0010)		EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSI- TO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA AN- CHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO I/ ENTIBACIÓN, AGOTAMIEN- TO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.05.09.03	m³	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA	72,00	8,45	608,40
(332.0050)		RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCE- DENTE DE PRÉSTAMOS, YACIMIENTO GRANULAR Y/O CANTERA, i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMI- NACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
04.05.09.04	m³	HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA	32,10	66,48	2.134,01
(610.0010)		HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.			
04.05.09.05	m²	ENCOFRADO VISTO PLANO	786,00	33,91	26.653,26
(680.0030)		ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRA- DO, EJECUTADO CON MADERA MACHIHEMBRADA I/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PA- RA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.05.09.06	m²	ENCOFRADO OCULTO PLANO	108,00	28,44	3.071,52
(680.0010)		ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCO- FRADO I/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECU- CIÓN.			
04.05.09.07	m³	HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS	162,00	109,05	17.666,10
(610.0060)		HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.05.09.08	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	173,10	113,62	19.667,62
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
04.05.09.09	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	22702,50	1,81	41.091,53
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
04.05.09.10	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA	393,00	29,17	11.463,81
(690.0050)	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, AL-TAS?) CON LÁMINA ASFÁLTICA. CONSTITUÍDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOPLETE AL SOPORTE PREVIAMENTE IMPRIMADO (SOLAPES DE 8 cm MÍNIMO); LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHE-RIDA AL SOPORTE CON SOPLETE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CO-RRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEX-TIL. LISTA PARA VERTER TIERRAS.			
04.05.09.11	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP	364,50	2,32	845,64
(690.0070)	PINTADO DE IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINO-SA CATIÓNICA AL 50% DE BETÚN, C50 BF5 IMP.			
TOTAL 04.05.09				125.068,94
04.05.10	M10-MURO 10			
04.05.10.01	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	1372,20	0,57	782,15
(300.0010)	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VER-TEREDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DIS-TANCIA.			
04.05.10.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	1723,84	6,70	11.549,73
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSI-TO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA AN-CHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIEN-TO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.05.10.03	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA	496,75	8,45	4.197,54
(332.0050)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCE-DENTE DE PRÉSTAMOS, YACIMIENTO GRANULAR Y/O CANTERA, i/ CANON DE			
RD6373-F3-PR-LE-D04				55

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMI-NACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
04.05.10.04	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA	106,87	66,48	7.104,72
(610.0010)	HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.			
04.05.10.05	m² ENCOFRADO VISTO PLANO	3958,02	33,91	134.216,46
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRA-DO, EJECUTADO CON MADERA MACHIHEMBRAIDA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PA-RA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.05.10.06	m² ENCOFRADO OCULTO PLANO	496,75	28,44	14.127,57
(680.0010)	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCO-FRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECU-CIÓN.			
04.05.10.07	ud EQUIPO Y MEDIOS AUXILIARES PILOTES HASTA 1200 mm	2,00	8.000,00	16.000,00
(680.1000)	TRANSPORTE, MONTAJE Y RETIRADA DEL EQUIPO Y MEDIOS AUXILIARES PARA EJECUCIÓN DE PILOTES DE DIÁMETRO HASTA 1200 mm.			
04.05.10.08	m PILOTE DE DIÁMETRO DESDE 650 HASTA 850 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD	864,00	65,13	56.272,32
(671.0040)	PERFORACIÓN DE PILOTE DE DIÁMETRO DESDE 650 HASTA 850 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD i/ CAMISA Y SU RECUPERACIÓN.			
04.05.10.09	m PILOTE DE DIÁMETRO DE 1000 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD	467,52	85,78	40.103,87
(671.0050)	PERFORACIÓN DE PILOTE DE DIÁMETRO DE 1000 mm (INCLUIDO) CON ENTUBA-CIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD i/ CAMISA Y SU RECUPERACIÓN.			
04.05.10.10	m SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEG	4462,08	5,20	23.202,82
(308.0020)	SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEGURAR SU ESTANQUEIDAD, COMPLETAMENTE FIJADO A LA ARMADURA DEL PILOTE			
04.05.10.11	ud ENSAYO POR "CROSS-HOLE" ULTRASÓNICO (3 TUBOS, 3 DIAGRAFÍAS POR PILOTE) HASTA 20 m DE PROFUNDIDAD	110,96	50,00	5.548,00
(308.0040)	ENSAYO DE INTEGRIDAD ESTRUCTURAL POR "CROSS-HOLE" ULTRASÓNICO DE PILOTE INSTRUMENTADO CON TRES (3) TUBOS (3 DIAGRAFÍAS POR PILOTE) HAS-TA 20 m DE PROFUNDIDAD.			
04.05.10.12	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS	2088,91	109,05	227.795,64
(610.0060)	HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS.			
RD6373-F3-PR-LE-D04				55

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.05.10.13	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	1607,14	113,62	182.603,25
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
04.05.10.14	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	500686,22	1,81	906.242,06
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
04.05.10.15	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA	1979,01	29,17	57.727,72
(690.0050)	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, ALERTAS?) CON LÁMINA ASFÁLTICA. CONSTITUÍDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOPLETE AL SOPORTE PREVIAMENTE IMPRIMADO (SOLAPES DE 8 cm MÍNIMO); LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHERIDA AL SOPORTE CON SOPLETE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CORRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEXTIL. LISTA PARA VERTER TIERRAS.			
04.05.10.16	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP	1488,48	2,32	3.453,27
(690.0070)	PINTADO DE IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIÓNICA AL 50% DE BETÚN, C50 BF5 IMP.			
TOTAL 04.05.10				1.690.927,12
04.05.11	M11-MURO 11			
04.05.11.01	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	1866,90	0,57	1.064,13
(300.0010)	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VERTEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.05.11.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMENTOS EN TIERRA O TRÁNSITO	4511,24	6,70	30.225,31
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.05.11.03	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA	2061,17	8,45	17.416,89
(332.0050)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMOS, YACIMIENTO GRANULAR Y/O CANTERA, i/ CANON DE			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
04.05.11.04	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA	169,56	66,48	11.272,35
(610.0010)	HORMIGÓN DE LIMPIEZA C12/15 EN CIMENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.			
04.05.11.05	m² ENCOFRADO VISTO PLANO	8089,12	33,91	274.302,06
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHIHEMBRA I/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.05.11.06	m² ENCOFRADO OCULTO PLANO	933,36	28,44	26.544,76
(680.0010)	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.05.11.07	ud ENSAYO POR "CROSS-HOLE" ULTRASÓNICO (3 TUBOS, 3 DIAGRAFÍAS POR PILOTE) HASTA 20 m DE PROFUNDIDAD	248,90	50,00	12.445,00
(308.0040)	ENSAYO DE INTEGRIDAD ESTRUCTURAL POR "CROSS-HOLE" ULTRASÓNICO DE PILOTE INSTRUMENTADO CON TRES (3) TUBOS (3 DIAGRAFÍAS POR PILOTE) HASTA 20 m DE PROFUNDIDAD.			
04.05.11.08	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS	4809,60	109,05	524.486,88
(610.0060)	HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS.			
04.05.11.09	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	3889,00	113,62	441.868,18
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
04.05.11.10	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	1400234,45	1,81	2.534.424,35
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
04.05.11.11	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA	4044,56	29,17	117.979,82
(690.0050)	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, ALERTAS?) CON LÁMINA ASFÁLTICA. CONSTITUÍDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOPLETE AL SOPORTE PREVIAMENTE IMPRIMADO (SOLAPES DE 8 cm MÍNIMO); LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHERIDA AL SOPORTE CON SOPLETE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CORRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEXTIL. LISTA PARA VERTER TIERRAS.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN		CANTIDAD	PRECIO	IMPORTE
04.05.11.12	m²	IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP	2177,84	2,32	5.052,59
(690.0070)		PINTADO DE IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINO-SA CATIÓNICA AL 50% DE BETÚN, C50 BF5 IMP.			
04.05.11.13	ud	EQUIPO Y MEDIOS AUXILIARES PILOTES HASTA 1200 mm	1,00	8.000,00	8.000,00
(680.1000)		TRANSPORTE, MONTAJE Y RETIRADA DEL EQUIPO Y MEDIOS AUXILIARES PARA EJECUCIÓN DE PILOTES DE DIÁMETRO HASTA 1200 mm.			
04.05.11.14	m	PILOTE DE DIÁMETRO DE 1000 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD	2987,04	85,78	256.228,29
(671.0050)		PERFORACIÓN DE PILOTE DE DIÁMETRO DE 1000 mm (INCLUIDO) CON ENTUBA-CIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD i/ CAMISA Y SU RECUPERACIÓN.			
04.05.11.15	m	SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEG	11947,01	5,20	62.124,45
(308.0020)		SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEGURAR SU ESTANQUEIDAD, COMPLETAMENTE FIJADO A LA ARMADURA DEL PILOTE			
TOTAL 04.05.11					4.323.435,06

04.05.12	M12-MURO 12				
04.05.12.01	m²	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	347,20	0,57	197,90
(300.0010)		DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VER-TEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DIS-TANCIA.			
04.05.12.02	m³	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	490,42	6,70	3.285,81
(321.0010)		EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSI-TO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA AN-CHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIEN-TO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.05.12.03	m³	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA	300,33	8,45	2.537,79
(332.0050)		RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCE-DENTE DE PRÉSTAMOS, YACIMIENTO GRANULAR Y/O CANTERA, i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMI-NACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN		CANTIDAD	PRECIO	IMPORTE
04.05.12.04	m³	HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA	33,42	66,48	2.221,76
(610.0010)		HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.			
04.05.12.05	m²	ENCOFRADO VISTO PLANO	954,80	33,91	32.377,27
(680.0030)		ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRA-DO, EJECUTADO CON MADERA MACHIHEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PA-RA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.05.12.06	m²	ENCOFRADO OCULTO PLANO	104,16	28,44	2.962,31
(680.0010)		ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCO-FRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECU-CIÓN.			
04.05.12.07	m³	HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS	190,09	109,05	20.729,31
(610.0060)		HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS.			
04.05.12.08	m³	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	310,31	113,62	35.257,42
(610.0070)		HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TA-BLEROS, LOSAS, MUROS Y MARCOS.			
04.05.12.09	kg	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	35028,14	1,81	63.400,93
(600.0010)		ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DO-BLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RE-COCIDO Y SEPARADORES.			
04.05.12.10	m²	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA	477,40	29,17	13.925,76
(690.0050)		IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, ALE-TAS?) CON LÁMINA ASFÁLTICA. CONSTITUÍDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOPLETE AL SOPORTE PREVIAMENTE IMPRIMADO (SOLAPES DE 8 cm MÍNIMO); LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHE-RIDA AL SOPORTE CON SOPLETE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CO-RRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEX-TIL. LISTA PARA VERTER TIERRAS.			
04.05.12.11	m²	IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP	364,56	2,32	845,78
(690.0070)		PINTADO DE IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINO-SA CATIÓNICA AL 50% DE BETÚN, C50 BF5 IMP.			
TOTAL 04.05.12					177.742,04

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.05.13	M13-MURO 13			
04.05.13.01	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	499,75	0,57	284,86
(300.0010)	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VERTEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.05.13.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	564,72	6,70	3.783,62
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.05.13.03	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA	345,83	8,45	2.922,26
(332.0050)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMOS, YACIMIENTO GRANULAR Y/O CANTERA, i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
04.05.13.04	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA	38,48	66,48	2.558,15
(610.0010)	HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.			
04.05.13.05	m² ENCOFRADO VISTO PLANO	1199,40	33,91	40.671,65
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHIHEMBRAIDA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.05.13.06	m² ENCOFRADO OCULTO PLANO	119,94	28,44	3.411,09
(680.0010)	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.05.13.07	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS	218,89	109,05	23.869,95
(610.0060)	HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.05.13.08	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	389,81	113,62	44.290,21
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
04.05.13.09	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	42608,69	1,81	77.121,73
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
04.05.13.10	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA	599,70	29,17	17.493,25
(690.0050)	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, ALERTAS?) CON LÁMINA ASFÁLTICA. CONSTITUIDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOPLETE AL SOPORTE PREVIAMENTE IMPRIMADO (SOLAPES DE 8 cm MÍNIMO); LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHERIDA AL SOPORTE CON SOPLETE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CORRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEXTIL. LISTA PARA VERTER TIERRAS.			
04.05.13.11	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP	419,79	2,32	973,91
(690.0070)	PINTADO DE IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP.			
TOTAL 04.05.13				217.380,68
04.05.14	M14-MURO 14			
04.05.14.01	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	519,50	0,57	296,12
(300.0010)	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VERTEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.05.14.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	669,50	6,70	4.485,65
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
04.05.14.03	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA	364,31	8,45	3.078,42
(332.0050)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMOS, YACIMIENTO GRANULAR Y/O CANTERA, i/ CANON DE			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
04.05.14.04	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA	45,34	66,48	3.014,20
(610.0010)	HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.			
04.05.14.05	m² ENCOFRADO VISTO PLANO	1266,80	33,91	42.957,19
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHIHEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.05.14.06	m² ENCOFRADO OCULTO PLANO	88,68	28,44	2.522,06
(680.0010)	ENCOFRADO PARA PARAMENTOS OCULTOS PLANOS Y POSTERIOR DESENCOFRADO i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
04.05.14.07	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS	782,28	109,05	85.307,63
(610.0060)	HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS.			
04.05.14.08	m³ HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	241,70	113,62	27.461,95
(610.0070)	HORMIGÓN C30/37 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
04.05.14.09	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	110144,80	1,81	199.362,09
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
04.05.14.10	m² IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS CON LÁMINA ASFÁLTICA	443,40	29,17	12.933,98
(690.0050)	IMPERMEABILIZACIÓN DE PARAMENTOS ENTERRADOS (MUROS, ESTRIBOS, ALTAS?) CON LÁMINA ASFÁLTICA. CONSTITUÍDA POR: IMPRIMACIÓN ASFÁLTICA, MÍNIMO 0,5 kg/m², BANDA DE REFUERZO ASFÁLTICA COLOCADA EN TODOS LOS ÁNGULOS ADHERIDA CON SOPLETE AL SOPORTE PREVIAMENTE IMPRIMADO (SOLAPES DE 8 cm MÍNIMO); LÁMINA ASFÁLTICA DE BETÚN ELASTÓMERO ADHERIDA AL SOPORTE CON SOPLETE, LÁMINA DRENANTE FIJADA MECÁNICAMENTE AL SOPORTE (MEDIANTE DISPAROS O FIJACIONES), TUBERÍA DE DRENAJE CORRUGADA Y FLEXIBLE PERFORADA, RELLENO GRANULAR ENVUELTO EN GEOTEXTIL. LISTA PARA VERTER TIERRAS.			
04.05.14.11	m² IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIONICA AL 50% DE BETÚN, C50 BF5 IMP	310,38	2,32	720,08
(690.0070)	PINTADO DE IMPERMEABILIZACIÓN DE PARAMENTO CON EMULSIÓN BITUMINOSA CATIÓNICA AL 50% DE BETÚN, C50 BF5 IMP.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
04.05.14.12	ud EQUIPO Y MEDIOS AUXILIARES PILOTES HASTA 1200 mm	1,00	8.000,00	8.000,00
(680.1000)	TRANSPORTE, MONTAJE Y RETIRADA DEL EQUIPO Y MEDIOS AUXILIARES PARA EJECUCIÓN DE PILOTES DE DIÁMETRO HASTA 1200 mm.			
04.05.14.13	m PILOTE DE DIÁMETRO DESDE 650 HASTA 850 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD	477,09	65,13	31.072,87
(671.0040)	PERFORACIÓN DE PILOTE DE DIÁMETRO DESDE 650 HASTA 850 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD i/ CAMISA Y SU RECUPERACIÓN.			
04.05.14.14	m SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEG	2511,00	5,20	13.057,20
(308.0020)	SUMINISTRO Y COLOCACIÓN DE TUBO SÓNICO DE ACERO ROSCADO 2" Y 2,3 MM DE ESPESOR INLCUSO P.P. DE MANGUITOS Y TAPONES PARA SU ASEGURAR SU ESTANQUEIDAD, COMPLETAMENTE FIJADO A LA ARMADURA DEL PILOTE			
04.05.14.15	ud ENSAYO POR "CROSS-HOLE" ULTRASÓNICO (3 TUBOS, 3 DIAGRAFÍAS POR PILOTE) HASTA 20 m DE PROFUNDIDAD	117,00	50,00	5.850,00
(308.0040)	ENSAYO DE INTEGRIDAD ESTRUCTURAL POR "CROSS-HOLE" ULTRASÓNICO DE PILOTE INSTRUMENTADO CON TRES (3) TUBOS (3 DIAGRAFÍAS POR PILOTE) HASTA 20 m DE PROFUNDIDAD.			
04.05.14.16	m³ HORMIGÓN PROYECTADO H/MP/30 EN SOSTENIMIENTO DE TÚNELES Y OBRAS SUBTERRÁNEAS	67,50	269,02	18.158,85
(803.0420)	HORMIGÓN PROYECTADO H/MP/30 CON CUALQUIER ESPESOR EN SOSTENIMIENTO DE TÚNELES Y OBRAS SUBTERRÁNEAS i/ LOS ADITIVOS NECESARIOS Y P.P. POR RECHAZO EN LA COLOCACIÓN, SIN ADICIÓN DE FIBRAS.			
04.05.14.17	ud BARRA Ø16 DE ACERO CORRUGADO B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, ANCLADA A POSTERIORI L<0,70 m	755,00	16,84	12.714,20
(675.0010)	BARRA ø 16 DE ACERO CORRUGADO B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, ANCLADA A POSTERIORI i/ PERFORACIÓN, COLOCACIÓN E INYECCIÓN DE RESINA EPOXI, SEGÚN DEFINICIÓN EN PLANOS (LONGITUD < 0,70 m).			
04.05.14.18	m² MALLA ELECTROSOLDADA SOSTENIMIENTO TÚNELES ACERO CORRUGADO B 500 T DE DIÁMETRO 10 mm CUADRÍCULA 15 X 15	450,00	48,48	21.816,00
(803.0240)	MALLA ELECTROSOLDADA EN SOSTENIMIENTO DE TÚNELES CON ACERO CORRUGADO B 500 T DE Ø 10 mm EN CUADRÍCULA 15 X 15, COLOCADO EN OBRA i/ P.P. DE ALAMBRE DE ATAR, SEGÚN EHE-08 Y CTE-SE-A.			
04.05.14.19	m² CHAPA NERVADA O TROQUELADA 2 mm Y 9 ONDAS POR PANEL COMO ENCOFRADO PERDIDO EN SOSTENIMIENTO O EN RELLENOS DE TÚNELES Y OBRAS SUB	450,00	86,35	38.857,50
(803.0630)	CHAPA NERVADA O TROQUELADA DE 2 mm DE ESPESOR Y 9 ONDAS POR PANEL COMO ENCOFRADO PERDIDO EN SOSTENIMIENTO O EN RELLENOS DE TÚNELES Y OBRAS SUBTERRÁNEAS i/ P.P. DE PERFILES Y PUNTALES PROVISIONALES PARA SUJECIÓN Y FIJACIÓN DEL ENCOFRADO.			
TOTAL 04.05.14				531.665,99
TOTAL 04.05.....				14.579.002,47
TOTAL 04.....				36.604.702,23

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
06	SOLUCIONES AL TRÁFICO DURANTE LAS OBRAS			
06.01	FASE 1. PASO SUPERIOR 2			
06.01.01	m MARCA VIAL BLANCA REFLECTANTE, TERMOPLÁSTICA EN CALIENTE, ANCHO 15 cm	690,00	0,71	489,90
(700.0020)	MARCA VIAL DE TIPO II (RW), DE PINTURA BLANCA REFLECTANTE, TIPO TERMOPLÁSTICA EN CALIENTE, DE 15 cm DE ANCHO SIN RESALTES i/ LIMPIEZA Y PREPARACIÓN DE LA SUPERFICIE Y PREMARCAJE (MEDIDA LA LONGITUD REALMENTE PINTADA).			
06.01.02	m2 CARTEL TIPO FLECHA EN CHAPA DE ACERO GALVANIZADO, CON RA3, FONDO AMARILLO	5,00	403,08	2.015,40
(701.0220_N)	CARTEL TIPO FLECHA EN CHAPA DE ACERO GALVANIZADO, FONDO AMARILLO, RETRORREFLECTANTE CLASE RA3, i/ TORNILLERÍA, ELEMENTOS DE FIJACIÓN, POSTES Y CIMENTACIÓN Y TRANSPORTE A LUGAR DE EMPLEO.			
06.01.03	m2 PANEL EN LAMAS DE ACERO GALVANIZADO CLASE RA3, FONDO AMARILLO	5,00	418,70	2.093,50
(701.0260_N)	PANEL EN LAMAS DE ACERO GALVANIZADO RETRORREFLECTANTE CLASE RA3 Y FONDO AMARILLO i/ PARTE PROPORCIONAL DE POSTES, EXCAVACIÓN Y HORMIGONADO DE CIMIENTOS, TOTALMENTE COLOCADO Y TRANSPORTE A LUGAR DE EMPLEO.			
06.01.04	m² MARCA VIAL BLANCA REFLECTANTE, TIPO ACRÍLICA, EN SÍMBOLOS	5,00	7,90	39,50
(700.0130)	MARCA VIAL DE TIPO II (RW), DE PINTURA BLANCA REFLECTANTE, TIPO ACRÍLICA DE BASE SOLVENTE, EN SÍMBOLOS Y CEBREADOS i/ LIMPIEZA Y PREPARACIÓN DE LA SUPERFICIE Y PREMARCAJE (MEDIDA LA SUPERFICIE REALMENTE PINTADA).			
06.01.05	ud CONO TIPO TB-6	10,00	12,19	121,90
(701.0005_N)	CONO TIPO TB-6, DE 75 CM DE ALTURA, CON TODAS LAS PUESTAS NECESARIAS DURANTE LA EJECUCIÓN DE LAS OBRAS, INCLUSO COLOCACIÓN, RETIRADA Y TRANSPORTES A LOS LUGARES DE UTILIZACIÓN, CON UTILIZACIÓN MÁXIMA DE 10 OCASIONES.			
06.01.06	ud SEÑAL TRIANGULAR FONDO AMARILLO DE 175 cm DE LADO Y RETRORREFLECTANCIA DE CLASE RA2	3,00	314,72	944,16
(701.0020_N)	SEÑAL TRIANGULAR DE 175 CM DE LADO, RETRORREFLECTANTE DE CLASE RA2, COLOCADA SOBRE POSTE GALVANIZADO, FIJADO A TIERRA MEDIANTE HORMIGONADO i/ TORNILLERÍA Y ELEMENTOS DE FIJACIÓN Y TRANSPORTE A LUGAR DE EMPLEO.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
06.01.07	ud SEÑAL CIRCULAR FONDO AMARILLO DE 120 cm DE DIÁMETRO Y RETRORREFLECTANCIA DE CLASE RA2	3,00	292,10	876,30
(701.0060_N)	SEÑAL CIRCULAR DE 120 CM DE DIÁMETRO, RETRORREFLECTANTE DE CLASE RA2, COLOCADA SOBRE POSTE GALVANIZADO, FIJADO A TIERRA MEDIANTE HORMIGONADO i/ TORNILLERÍA Y ELEMENTOS DE FIJACIÓN Y TRANSPORTE A LUGAR DE EMPLEO.			
06.01.08	ud PANEL DIRECCIONAL 160x40 cm, CON CLASE RA2	4,00	49,09	196,36
(703.0080_N)	PANEL DIRECCIONAL (TIPO SARGENTO) TB-1, CON MONTAJE SOBRE POSTES PORTÁILES, EN DESVÍOS PROVISIONALES, CON TODAS LAS PUESTAS NECESARIAS DURANTE LA EJECUCIÓN DE LAS OBRAS, INCLUSO MONTAJES, DESMONTAJES Y TRANSPORTES A LOS LUGARES DE UTILIZACIÓN, AMORTIZABLE EN 10 USOS.			
06.01.09	m BARRERA DE SEGURIDAD PREFABRICADA DE HORMIGÓN EN DESVÍOS. NIVEL DE CONTENCIÓN N2,D A O B, ANCHURA DE TRABAJO W3 O INFERIOR.	500,00	21,56	10.780,00
(704.0012_N)	BARRERA DE SEGURIDAD PREFABRICADA DE HORMIGÓN PARA CONTENCIÓN DE VEHÍCULOS EN DESVÍOS. NIVEL DE CONTENCIÓN N2, ÍNDICE DE SEVERIDAD A O B, ANCHURA DE TRABAJO W3 O INFERIOR. INCLUIDOS CAPTAFAROS, TOTALMENTE INSTALADA, INCLUSO CUALQUIER TIPO DE TRABAJO O APORTES DE MATERIAL NECESARIOS PARA SU CORRECTA CIMENTACIÓN,AMORTIZABLE EN 10 USOS. NOTA 1: SE MEDIRÁ LA TRANSICIÓN HACIA OTRO TIPO DE BARRERAS O LOS ABATIMIENTOS COMO LONGITUD DE BARRERA.			
TOTAL 06.01.....				17.557,02
06.02	FASE 2. PASO SUPERIOR 1			
06.02.01	m MARCA VIAL AMARILLA REFLECTANTE, TIPO ACRÍLICA, ANCHO 10 cm	840,00	0,37	310,80
(700.0100)	MARCA VIAL DE PINTURA AMARILLA REFLECTANTE, TIPO ACRÍLICA, DE 10 cm DE ANCHO i/ PREPARACIÓN DE LA SUPERFICIE, PREMARCAJE Y ELIMINACIÓN POSTERIOR (MEDIDA LA LONGITUD REALMENTE PINTADA).			
06.02.02	m BORRADO CON PINTURA NEGRA DE MARCAS VIALES	840,00	0,41	344,40
(700.1010_N)	BORRADO CON PINTURA NEGRA DE MARCAS VIALES LONGITUDINALES EJECUTADO EN HORARIO NOCTURNO, INCLUSO BARRIDO.			
06.02.03	m2 CARTEL TIPO FLECHA EN CHAPA DE ACERO GALVANIZADO, CON RA3, FONDO AMARILLO	10,00	403,08	4.030,80
(701.0220_N)	CARTEL TIPO FLECHA EN CHAPA DE ACERO GALVANIZADO, FONDO AMARILLO, RETRORREFLECTANTE CLASE RA3, i/ TORNILLERÍA, ELEMENTOS DE FIJACIÓN, POSTES Y CIMENTACIÓN Y TRANSPORTE A LUGAR DE EMPLEO.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
06.02.04	m2 PANEL EN LAMAS DE ACERO GALVANIZADO CLASE RA3, FONDO AMARILLO	25,00	418,70	10.467,50
(701.0260_N)	PANEL EN LAMAS DE ACERO GALVANIZADO RETRORREFLEC-TANTE CLASE RA3 Y FONDO AMARILLO i/ PARTE PROPORCIO-NAL DE POSTES, EXCAVACIÓN Y HORMIGONADO DE CIMIEN-TOS, TOTALMENTE COLOCADO Y TRANSPORTE A LUGAR DE EMPLEO.			
06.02.05	ud BARRERA DE SEGURIDAD PORTATIL TIPO NEW JERSEY DE PEAD	2000,00	41,39	82.780,00
(704.0014_N)	BARRERA DE SEGURIDAD PORTATIL TIPO NEW JERSEY DE POLIETILENO DE ALTA DENSIDAD, DE 1,20x0,60x0,40 m, CON CAPACIDAD DE LAS-TRADO DE 150 I, COLOR ROJO O BLANCO, AMORTIZABLE EN 5 USOS.			
06.02.06	m² MARCA VIAL BLANCA REFLECTANTE, TIPO ACRÍLICA, EN SÍMBOLOS	5,00	7,90	39,50
(700.0130)	MARCA VIAL DE TIPO II (RW), DE PINTURA BLANCA REFLECTAN-TE, TIPO ACRÍLICA DE BASE SOLVENTE, EN SÍMBOLOS Y CEBREA-DOS i/ LIMPIEZA Y PREPARACIÓN DE LA SUPERFICIE Y PREMAR-CAJE (MEDIDA LA SUPERFICIE REALMENTE PINTADA).			
06.02.07	ud SEÑAL TRIANGULAR FONDO AMARILLO DE 175 cm DE LADO Y RETRORREFLECTANCIA DE CLASE RA2	8,00	314,72	2.517,76
(701.0020_N)	SEÑAL TRIANGULAR DE 175 CM DE LADO, RETRORREFLECTANTE DE CLASE RA2, COLOCADA SOBRE POSTE GALVANIZADO, FIJADO A TIE-RRA MEDIANTE HORMIGONADO i/ TORNILLERÍA Y ELEMENTOS DE FI-JACIÓN Y TRANSPORTE A LUGAR DE EMPLEO.			
06.02.08	ud SEÑAL CIRCULAR FONDO AMARILLO DE 120 cm DE DIÁMETRO Y RETRORREFLECTANCIA DE CLASE RA2	8,00	292,10	2.336,80
(701.0060_N)	SEÑAL CIRCULAR DE 120 CM DE DIÁMETRO, RETRORREFLECTANTE DE CLASE RA2, COLOCADA SOBRE POSTE GALVANIZADO, FIJADO A TIE-RRA MEDIANTE HORMIGONADO i/ TORNILLERÍA Y ELEMENTOS DE FI-JACIÓN Y TRANSPORTE A LUGAR DE EMPLEO.			
06.02.09	ud PANEL DIRECCIONAL 160x40 cm, CON CLASE RA2	20,00	49,09	981,80
(703.0080_N)	PANEL DIRECCIONAL (TIPO SARGENTO) TB-1, CON MONTAJE SOBRE POSTES PORTÁILES, EN DESVÍOS PROVISIONALES, CON TODAS LAS PUESTAS NECESARIAS DURANTE LA EJECUCIÓN DE LAS OBRAS, INCLUSO MONTAJES, DESMONTAJES Y TRANSPOR-TES A LOS LUGARES DE UTILIZACIÓN, AMORTIZABLE EN 10 USOS.			
06.02.10	m BARRERA DE SEGURIDAD PREFABRICADA DE HORMIGÓN EN DESVÍOS. NIVEL DE CONTENCIÓN N2,D A O B, ANCHURA DE TRABAJO W3 O INFERIOR.	30,00	21,56	646,80
(704.0012_N)	BARRERA DE SEGURIDAD PREFABRICADA DE HORMIGÓN PARA CONTENCIÓN DE VEHÍCULOS EN DESVÍOS. NIVEL DE CONTEN-CIÓN N2, ÍNDICE DE SEVERIDAD A O B, ANCHURA DE TRABAJO W3 O INFERIOR. INCLUIDOS CAPTAFAROS, TOTALMENTE INSTA-			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	LADA, INCLUSO CUALQUIER TIPO DE TRABAJO O APORTES DE MATERIAL NECESARIOS PARA SU CORRECTA CIMENTA-CIÓN,AMORTIZABLE EN 10 USOS. NOTA 1: SE MEDIRÁ LA TRANSICIÓN HACIA OTRO TIPO DE BA-RRERAS O LOS ABATIMIENTOS COMO LONGITUD DE BARRERA.			
06.02.11	ud CONO TIPO TB-6	10,00	12,19	121,90
(701.0005_N)	CONO TIPO TB-6, DE 75 CM DE ALTURA, CON TODAS LAS PUES-TAS NECESARIAS DURANTE LA EJECUCIÓN DE LAS OBRAS, IN-CLUSO COLOCACIÓN, RETIRADA Y TRANSPORTES A LOS LUGA-RES DE UTILIZACIÓN, CON UTILIZACIÓN MÁXIMA DE 10 OCA-SIONES.			
TOTAL 06.02.....				104.578,06
06.03	FASE 2. PASO SUPERIOR 3			
06.03.01	MOVIMIENTO DE TIERRAS			
06.03.01.01	m³ EXCAVACIÓN EN DESMONTE EN TIERRA CON MEDIOS MECÁNICOS SIN EXPLOSIVOS	6768,06	2,37	16.040,30
(320.0020)	EXCAVACIÓN EN DESMONTE EN TIERRA CON MEDIOS MECÁNI-COS (TIPO EXCAVADORA O SIMILAR) SIN EXPLOSIVOS i/ AGO-TAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, FORMACIÓN, Y PERFILADO DE CUNETAS, REFINO DE TALUDES, CARGA Y TRANSPORTE A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
06.03.01.02	m3 TERRAPLÉN O PEDRAPLEN O RELLENO TODO-UNO CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN	3384,03	1,10	3.722,43
(330.0020)	TERRAPLÉN, PEDRAPLÉN O RELLENO TODO-UNO CON MATE-RIALES PROCEDENTES DE LA EXCAVACIÓN, i/ EXTENDIDO, HU-MECTACIÓN, NIVELACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE TALUDES TOTALMENTE TERMINADO.			
	(EN CASO DE QUE LOS MATERIALES SEAN PROVISTOS POR LA ADMINISTRACIÓN, SE PAGARÁ, SI PROCEDE, EL SUPLEMENTO DE TRANSPORTE POR LA DISTANCIA ADICIONAL).			
06.03.01.03	m² DEMOLICIÓN DE FIRME O PAVIMENTO EXISTENTE	20,00	3,90	78,00
(301.0040)	DEMOLICIÓN DE FIRME O PAVIMENTO EXISTENTE DE CUALQUIER TIPO O ESPESOR i/ BAJAS POR RENDIMIENTO POR PASO DE VEHÍCULOS, DE-MOLICIÓN DE ACERAS, ISLETAS, BORDILLOS Y TODA CLASE DE PIEZAS ESPECIALES DE PAVIMENTACIÓN, DESESCOMBRO, CARGA Y TRANS-PORTE DE MATERIAL DEMOLIDO A GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.			
06.03.01.04	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	14916,70	0,57	8.502,52
(300.0010)	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VER- TEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DIS- TANCIA.			
06.03.01.05	m³ SUELO ESTABILIZADO "IN SITU" CON CEMENTO, TIPO S-EST3, CON MATERIAL DE PRÉSTAMO	4060,83	10,41	42.273,24
(512.0130)	SUELO ESTABILIZADO "IN SITU" CON CEMENTO, TIPO S-EST3 CON MATERIAL DE PRÉSTAMO, EXTENDIDO Y COMPACTADO i/ CANON DE PRÉSTAMO, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 5 km, PREPARACIÓN DE LA MEZCLA, HUMECTA- CIÓN O SECADO Y PREPARACIÓN DE LA SUPERFICIE TOTAL- MENTE TERMINADO, SIN INCLUIR CONGLOMERANTE.			
06.03.01.06	t CEMENTO PARA ESTABILIZACIÓN DE SUELOS, SUELO-CEMENTO O GRAVA-CEMENTO	243,65	106,00	25.826,90
(202.0020)	CEMENTO EMPLEADO EN ESTABILIZACIÓN DE SUELOS, FABRICACIÓN DE SUELO-CEMENTO, O COMO POLVO MINERAL DE APORTACIÓN EN MEZCLAS BITUMINOSAS EN CALIENTE PUESTO A PIE DE OBRA O PLAN- TA.			
06.03.01.07	t EMULSIÓN C60B3 ADH EN RIEGOS DE ADHERENCIA O C60B3 CUR EN RIEGOS DE CURADO	6,77	624,16	4.225,56
(531.0020)	EMULSIÓN C60B3 ADH EN RIEGOS DE ADHERENCIA O C60B3 CUR EN RIEGOS DE CURADO i/ EL BARRIDO Y LA PREPARACIÓN DE LA SUPERFICIE, TOTALMENTE TERMINADO.			
06.03.01.08	m³ SUELO SELECCIONADO PROCEDENTE DE YACIMIENTO GRANULAR O CANTERA PARA FORMACION DE EXPLANADA	4060,83	9,22	37.440,85
(330.0055)	SUELO SELECCIONADO PROCEDENTE DE YACIMIENTO GRANU- LAR O CANTERA PARA FORMACIÓN DE EXPLANADA EN CORO- NACIÓN DE TERRAPLÉN Y EN FONDO DE DESMONTE i/ CANON DE CANTERA, EXCAVACIÓN DEL MATERIAL, CARGA Y TRANS- PORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES.			
TOTAL 06.03.01				138.109,80
06.03.02	FIRMES			
06.03.02.01	t MBC TIPO AC22 BIN S, EXCEPTO BETÚN Y POLVO MINERAL	1624,33	29,35	47.674,09
(542.0050)	MEZCLA BITUMINOSA EN CALIENTE TIPO AC22 BIN S, EXTENDI- DA Y COMPACTADA, EXCEPTO BETÚN Y POLVO MINERAL DE APORTACIÓN.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
06.03.02.02	t EMULSIÓN C60B3 ADH EN RIEGOS DE ADHERENCIA O C60B3 CUR EN RIEGOS DE CURADO	18,27	624,16	11.405,90
(531.0020)	EMULSIÓN C60B3 ADH EN RIEGOS DE ADHERENCIA O C60B3 CUR EN RIEGOS DE CURADO i/ EL BARRIDO Y LA PREPARACIÓN DE LA SUPERFICIE, TOTALMENTE TERMINADO.			
06.03.02.03	t ÁRIDO EMPLEADO EN RIEGOS DE IMPRIMACIÓN O DE CURADO	270,72	18,29	4.951,51
(530.0010)	ÁRIDO DE COBERTURA EMPLEADO EN RIEGOS DE IMPRIMA- CIÓN O DE CURADO i/ LA EXTENSIÓN, COMPACTACIÓN Y BA- RRIDO, TOTALMENTE TERMINADO.			
06.03.02.04	m3 IMPERMEABILIZACION DE BERMAS	947,53	4,63	4.387,06
(332.0041_N)	IMPERMEABILIZACION DE BERMAS CON MATERIAL PROCEDEN- TE DE PRÉSTAMOS.			
06.03.02.05	t BETÚN ASFÁLTICO CONVENCIONAL TIPO 50/70	155,94	689,00	107.439,90
(211.0020)	BETÚN ASFÁLTICO CONVENCIONAL EN MEZCLAS BITUMINOSAS TIPO 50/70			
06.03.02.06	t CARBONATO EMPLEADO COMO POLVO MINERAL DE APORTACIÓN	215,43	59,86	12.895,46
(542.0110)	CARBONATO EMPLEADO COMO POLVO MINERAL DE APORTA- CIÓN, PUESTO A PIE DE OBRA O PLANTA.			
06.03.02.07	m³ SUELO-CEMENTO FABRICADO EN CENTRAL CON MATERIAL GRANULAR PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA	2707,22	16,45	44.533,77
(513.0010)	SUELO-CEMENTO FABRICADO EN CENTRAL i/ TRANSPORTE, EXTENDI- DO, COMPACTACIÓN, PREFISURACIÓN Y PREPARACIÓN DE LA SUPER- FICIE DE ASIENTO, SIN INCLUIR CEMENTO NI RIEGO DE CURADO. EM- PLEANDO MATERIAL GRANULAR PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA			
06.03.02.08	t CEMENTO PARA ESTABILIZACIÓN DE SUELOS, SUELOCEMENTO O GRAVACEMENTO	162,43	106,00	17.217,58
(202.0030)	CEMENTO PARA ESTABILIZACIÓN DE SUELOS Y FABRICACIÓN DE SUELOCEMENTO O GRAVACEMENTO, PUESTO A PIE DE OBRA			
06.03.02.09	t BETÚN MODIFICADO CON POLÍMEROS (CON O SIN CAUCHO) TIPO PMB 45/80-60	43,86	773,80	33.936,55
(215.0020)	BETÚN PMB 45/80-60 MODIFICADO CON POLÍMEROS (CON O SIN CAUCHO) PARA MEZCLAS BITUMINOSAS, A PIE DE OBRA O PLANTA.			
06.03.02.10	t EMULSIÓN C60BP3 ADH, MODIFICADA CON POLÍMEROS, EN RIEGO DE ADHERENCIA	6,77	657,43	4.449,49
(531.0040)	EMULSIÓN C60BP3 ADH, MODIFICADA CON POLÍMEROS, EN RIEGO DE ADHERENCIA i/ BARRIDO Y PREPARACIÓN DE LA SU-			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	PERFICIE, TOTALMENTE TERMINADO.			
06.03.02.11	m BORDILLO PREF. HORM. NO MONTABLE 0.10x0.20x0.40 m	157,08	15,62	2.453,59
(570.006_N)	BORDILLO PREFABRICADO DE HORMIGÓN NO MONTABLE DE 0.10 X 0.20 X 0.40 M, TOTALMENTE COLOCADO, INCLUSO BASE DE ASIENTO DE HORMIGÓN C20/25, REJUNTADO CON MORTE-RO DE CEMENTO.			
06.03.02.12	m BORDILLO MONTABLE PREF. HORM. 0.20x0.22x0.5 m	21,00	25,45	534,45
(570.004_N)	BORDILLO PREFABRICADO DE HORMIGÓN MONTABLE DE 0.20 X 0.22 X 0.50 M, TOTALMENTE COLOCADO, INCLUSO BASE DE ASIENTO DE HORMIGÓN C20/25, REJUNTADO CON MORTERO DE CEMENTO.			
06.03.02.13	m3 HORMIGÓN MAGRO EN BASE DE FIRME	18,10	88,50	1.601,85
(551.0010)	HORMIGÓN MAGRO VIBRADO EN BASE DE FIRME, COMPLETA-MENTE TERMINADO i/ CURADO			
06.03.02.14	m² MBC TIPO BBTM 11B EN CAPA DE RODADURA, EXCEPTO BETÚN Y POLVO MINERAL	13536,11	2,68	36.276,77
(543.0020)	MEZCLA BITUMINOSA EN CALIENTE TIPO BBTM 11B EN CAPA DE RODADURA, EXTENDIDA Y COMPACTADA, EXCEPTO BETÚN Y POLVO MINERAL DE APORTACIÓN, CON UN ESPESOR DE 3 cm.			
06.03.02.15	t MBC TIPO AC32 BASE S, EXCEPTO BETÚN Y POLVO MINERAL	2274,07	29,36	66.766,70
(542.0080)	MEZCLA BITUMINOSA EN CALIENTE TIPO AC32 BASE S, EXTEN-DIDA Y COMPACTADA, EXCEPTO BETÚN Y POLVO MINERAL DE APORTACIÓN.			
TOTAL 06.03.02				396.524,67
06.03.03	SEÑALIZACIÓN			
06.03.03.01	m MARCA VIAL AMARILLA REFLECTANTE, TIPO ACRÍLICA, ANCHO 10 cm	1150,00	0,37	425,50
(700.0100)	MARCA VIAL DE PINTURA AMARILLA REFLECTANTE, TIPO ACRÍ-LICA, DE 10 cm DE ANCHO i/ PREPARACIÓN DE LA SUPERFICIE, PREMARCAJE Y ELIMINACIÓN POSTERIOR (MEDIDA LA LONGI-TUD REALMENTE PINTADA).			
06.03.03.02	m BORRADO CON PINTURA NEGRA DE MARCAS VIALES	1150,00	0,41	471,50
(700.1010_N)	BORRADO CON PINTURA NEGRA DE MARCAS VIALES LONGITU-DINALES EJECUTADO EN HORARIO NOCTURNO, INCLUSO BA-RRIDO.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
06.03.03.03	ud SEÑAL TRIANGULAR FONDO AMARILLO DE 175 cm DE LADO Y RETRORREFLECTANCIA DE CLASE RA2	31,00	314,72	9.756,32
(701.0020_N)	SEÑAL TRIANGULAR DE 175 CM DE LADO, RETRORREFLECTANTE DE CLASE RA2, COLOCADA SOBRE POSTE GALVANIZADO, FIJADO A TIE-RRA MEDIANTE HORMIGONADO i/ TORNILLERÍA Y ELEMENTOS DE FI-JACIÓN Y TRANSPORTE A LUGAR DE EMPLEO.			
06.03.03.04	ud SEÑAL CIRCULAR FONDO AMARILLO DE 120 cm DE DIÁMETRO Y RETRORREFLECTANCIA DE CLASE RA2	31,00	292,10	9.055,10
(701.0060_N)	SEÑAL CIRCULAR DE 120 CM DE DIÁMETRO, RETRORREFLECTANTE DE CLASE RA2, COLOCADA SOBRE POSTE GALVANIZADO, FIJADO A TIE-RRA MEDIANTE HORMIGONADO i/ TORNILLERÍA Y ELEMENTOS DE FI-JACIÓN Y TRANSPORTE A LUGAR DE EMPLEO.			
06.03.03.05	m2 CARTEL TIPO FLECHA EN CHAPA DE ACERO GALVANIZADO, CON RA3, FONDO AMARILLO	12,00	403,08	4.836,96
(701.0220_N)	CARTEL TIPO FLECHA EN CHAPA DE ACERO GALVANIZADO, FONDO AMARILLO, RETRORREFLECTANTE CLASE RA3, i/ TORNI-LLERÍA, ELEMENTOS DE FIJACIÓN, POSTES Y CIMENTACIÓN Y TRANSPORTE A LUGAR DE EMPLEO.			
06.03.03.06	m2 PANEL EN LAMAS DE ACERO GALVANIZADO CLASE RA3, FONDO AMARILLO	22,00	418,70	9.211,40
(701.0260_N)	PANEL EN LAMAS DE ACERO GALVANIZADO RETRORREFLEC-TANTE CLASE RA3 Y FONDO AMARILLO i/ PARTE PROPORCIO-NAL DE POSTES, EXCAVACIÓN Y HORMIGONADO DE CIMIEN-TOS, TOTALMENTE COLOCADO Y TRANSPORTE A LUGAR DE EMPLEO.			
06.03.03.07	ud LUZ AMBAR INTERMITENTE TL-2	60,00	22,93	1.375,80
(701.0004_N)	LUZ AMBAR INTERMITENTE TIPO TL-2 EN DESVÍOS PROVISIO-NALES DE CARRETERAS, TOTALMENTE INSTALADA, CON TODAS LAS PUESTA NECESARIAS DURANTE LA EJECUCIÓN DE LAS OBRAS, INCLUSO MONTAJES, DESMONTAJES Y TRANSPORTES A LOS LUGARES DE UTILIZACIÓN, AMORTIZABLE EN 10 USOS.			
06.03.03.08	ud PANEL DIRECCIONAL 160x40 cm, CON CLASE RA2	20,00	49,09	981,80
(703.0080_N)	PANEL DIRECCIONAL (TIPO SARGENTO) TB-1, CON MONTAJE SOBRE POSTES PORTÁILES, EN DESVÍOS PROVISIONALES, CON TODAS LAS PUESTAS NECESARIAS DURANTE LA EJECUCIÓN DE LAS OBRAS, INCLUSO MONTAJES, DESMONTAJES Y TRANSPOR-TES A LOS LUGARES DE UTILIZACIÓN, AMORTIZABLE EN 10 USOS.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
06.03.03.09	ud PANEL DE ZONA EXCLUIDA TB-5 Y CLASE RA-2	20,00	91,87	1.837,40
(703.013_N)	PANEL DE ZONA EXCLUIDA AL TRÁFICO Y CLASE RA-2 80 CM X 20 CM (CON PIES) TB-5, AMORTIZABLE EN 10 USOS.			
06.03.03.10	m BARRERA DE SEGURIDAD PREFABRICADA DE HORMIGÓN EN DESVÍOS. NIVEL DE CONTENCIÓN N2,D A O B, ANCHURA DE TRABAJO W3 O INFERIOR.	668,00	21,56	14.402,08
(704.0012_N)	BARRERA DE SEGURIDAD PREFABRICADA DE HORMIGÓN PARA CONTENCIÓN DE VEHÍCULOS EN DESVÍOS. NIVEL DE CONTENCIÓN N2, ÍNDICE DE SEVERIDAD A O B, ANCHURA DE TRABAJO W3 O INFERIOR. INCLUIDOS CAPTAFAROS, TOTALMENTE INSTALADA, INCLUSO CUALQUIER TIPO DE TRABAJO O APORTES DE MATERIAL NECESARIOS PARA SU CORRECTA CIMENTACIÓN,AMORTIZABLE EN 10 USOS. NOTA 1: SE MEDIRÁ LA TRANSICIÓN HACIA OTRO TIPO DE BARRERAS O LOS ABATIMIENTOS COMO LONGITUD DE BARRERA.			
06.03.03.11	ud CONO TIPO TB-6	40,00	12,19	487,60
(701.0005_N)	CONO TIPO TB-6, DE 75 CM DE ALTURA, CON TODAS LAS PUESTAS NECESARIAS DURANTE LA EJECUCIÓN DE LAS OBRAS, INCLUSO COLOCACIÓN, RETIRADA Y TRANSPORTES A LOS LUGARES DE UTILIZACIÓN, CON UTILIZACIÓN MÁXIMA DE 10 OCASIONES.			
06.03.03.12	h SEÑALISTA	200,00	34,70	6.940,00
(703.0130_N)	SEÑALISTA			
06.03.03.13	ud BARRERA DE SEGURIDAD PORTATIL TIPO NEW JERSEY DE PEAD	500,00	41,39	20.695,00
(704.0014_N)	BARRERA DE SEGURIDAD PORTATIL TIPO NEW JERSEY DE POLIETILENO DE ALTA DENSIDAD, DE 1,20x0,60x0,40 m, CON CAPACIDAD DE LASTRADO DE 150 I, COLOR ROJO O BLANCO, AMORTIZABLE EN 5 USOS.			
TOTAL 06.03.03				80.476,46
TOTAL 06.03.....				615.110,93

06.04FASE 3. OBRAS EN TRONCO

06.04.01	MOVIMIENTO DE TIERRAS	1,00	24.510,92	24.510,92
(06.04.01)				
06.04.02	PAVIMENTOS	1,00	176.741,38	176.741,38
(06.04.02)				

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
06.04.03	SEÑALIZACIÓN Y BALIZAMIENTO	1,00	628.218,52	628.218,52
(06.04.03)				
TOTAL 06.04.....				829.470,82
06.05	CIERRE DEL BYPASS			
06.05.01	ud LUZ AMBAR INTERMITENTE TL-2	50,00	22,93	1.146,50
(701.0004_N)	LUZ AMBAR INTERMITENTE TIPO TL-2 EN DESVÍOS PROVISIONALES DE CARRETERAS, TOTALMENTE INSTALADA, CON TODAS LAS PUESTA NECESARIAS DURANTE LA EJECUCIÓN DE LAS OBRAS, INCLUSO MONTAJES, DESMONTAJES Y TRANSPORTES A LOS LUGARES DE UTILIZACIÓN, AMORTIZABLE EN 10 USOS.			
06.05.02	ud CONO TIPO TB-6	200,00	12,19	2.438,00
(701.0005_N)	CONO TIPO TB-6, DE 75 CM DE ALTURA, CON TODAS LAS PUESTAS NECESARIAS DURANTE LA EJECUCIÓN DE LAS OBRAS, INCLUSO COLOCACIÓN, RETIRADA Y TRANSPORTES A LOS LUGARES DE UTILIZACIÓN, CON UTILIZACIÓN MÁXIMA DE 10 OCASIONES.			
06.05.03	ud SEÑAL TRIANGULAR FONDO AMARILLO DE 175 cm DE LADO Y RETRORREFLECTANCIA DE CLASE RA2	15,00	314,72	4.720,80
(701.0020_N)	SEÑAL TRIANGULAR DE 175 CM DE LADO, RETRORREFLECTANTE DE CLASE RA2, COLOCADA SOBRE POSTE GALVANIZADO, FIJADO A TIERRA MEDIANTE HORMIGONADO I/ TORNILLERÍA Y ELEMENTOS DE FIJACIÓN Y TRANSPORTE A LUGAR DE EMPLEO.			
06.05.04	ud SEÑAL CIRCULAR FONDO AMARILLO DE 120 cm DE DIÁMETRO Y RETRORREFLECTANCIA DE CLASE RA2	15,00	292,10	4.381,50
(701.0060_N)	SEÑAL CIRCULAR DE 120 CM DE DIÁMETRO, RETRORREFLECTANTE DE CLASE RA2, COLOCADA SOBRE POSTE GALVANIZADO, FIJADO A TIERRA MEDIANTE HORMIGONADO i/ TORNILLERÍA Y ELEMENTOS DE FIJACIÓN Y TRANSPORTE A LUGAR DE EMPLEO.			
06.05.05	ud SEÑAL RECTANGULAR FONDO AMARILLO DE 120X180 cm DE LADO Y RETRORREFLECTANCIA DE CLASE RA2	15,00	453,47	6.802,05
(701.0170_N)	SEÑAL RECTANGULAR DE 120X180 CM DE LADO, RETRORREFLECTANTE DE CLASE RA2,DE FONDO AMARILLO, COLOCADA SOBRE POSTES GALVANIZADOS, FIJADOS A TIERRA MEDIANTE HORMIGONADO I/ TORNILLERIA Y ELEMENTOS DE FIJACION Y TRANSPORTE A LUGAR DE EMPLEO.			
06.05.06	m2 CARTEL TIPO FLECHA EN CHAPA DE ACERO GALVANIZADO, CON RA3, FONDO AMARILLO	4,00	403,08	1.612,32
(701.0220_N)	CARTEL TIPO FLECHA EN CHAPA DE ACERO GALVANIZADO, FONDO AMARILLO, RETRORREFLECTANTE CLASE RA3, I/ TORNILLERÍA, ELEMENTOS DE FIJACIÓN, POSTES Y CIMENTACIÓN Y TRANSPORTE A LUGAR DE EMPLEO.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
06.05.07	m2 PANEL EN LAMAS DE ACERO GALVANIZADO CLASE RA3, FONDO AMARILLO	75,60	418,70	31.653,72
(701.0260_N)	PANEL EN LAMAS DE ACERO GALVANIZADO RETRORREFLEC-TANTE CLASE RA3 Y FONDO AMARILLO i/ PARTE PROPORCIO-NAL DE POSTES, EXCAVACIÓN Y HORMIGONADO DE CIMIEN-TOS, TOTALMENTE COLOCADO Y TRANSPORTE A LUGAR DE EMPLEO.			
06.05.08	ud PANEL DIRECCIONAL 160x40 cm, CON CLASE RA2	20,00	49,09	981,80
(703.0080_N)	PANEL DIRECCIONAL (TIPO SARGENTO) TB-1, CON MONTAJE SOBRE POSTES PORTÁILES, EN DESVÍOS PROVISIONALES, CON TODAS LAS PUESTAS NECESARIAS DURANTE LA EJECUCIÓN DE LAS OBRAS, INCLUSO MONTAJES, DESMONTAJES Y TRANSPOR-TES A LOS LUGARES DE UTILIZACIÓN, AMORTIZABLE EN 10 USOS.			
06.05.09	h SEÑALISTA	40,00	34,70	1.388,00
(703.0130_N)	SEÑALISTA			
06.05.10	ud PANEL DE ZONA EXCLUIDA TB-5 Y CLASE RA-2	2,00	91,87	183,74
(703.013_N)	PANEL DE ZONA EXCLUIDA AL TRÁFICO Y CLASE RA-2 80 CM X 20 CM (CON PIES) TB-5, AMORTIZABLE EN 10 USOS.			
06.05.11	m BARRERA DE SEGURIDAD PREFABRICADA DE HORMIGÓN EN DESVÍOS. NIVEL DE CONTENCIÓN N2,D A O B, ANCHURA DE TRABAJO W3 O INFERIOR.	3000,00	21,56	64.680,00
(704.0012_N)	BARRERA DE SEGURIDAD PREFABRICADA DE HORMIGÓN PARA CONTENCIÓN DE VEHÍCULOS EN DESVÍOS. NIVEL DE CONTEN-CIÓN N2, ÍNDICE DE SEVERIDAD A O B, ANCHURA DE TRABAJO W3 O INFERIOR. INCLUIDOS CAPTAFAROS, TOTALMENTE INSTA-LADA, INCLUSO CUALQUIER TIPO DE TRABAJO O APORTES DE MATERIAL NECESARIOS PARA SU CORRECTA CIMENTA-CIÓN,AMORTIZABLE EN 10 USOS. NOTA 1: SE MEDIRÁ LA TRANSICIÓN HACIA OTRO TIPO DE BA-RRERAS O LOS ABATIMIENTOS COMO LONGITUD DE BARRERA.			
06.05.12	ud BARRERA DE SEGURIDAD PORTATIL TIPO NEW JERSEY DE PEAD	3000,00	41,39	124.170,00
(704.0014_N)	BARRERA DE SEGURIDAD PORTATIL TIPO NEW JERSEY DE POLIETILENO DE ALTA DENSIDAD, DE 1,20x0,60x0,40 m, CON CAPACIDAD DE LAS-TRADO DE 150 I, COLOR ROJO O BLANCO, AMORTIZABLE EN 5 USOS.			
TOTAL 06.05.....				244.158,43

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
06.06	PUENTE CV-35			
06.06.01	ud LUZ AMBAR INTERMITENTE TL-2	25,00	22,93	573,25
(701.0004_N)	LUZ AMBAR INTERMITENTE TIPO TL-2 EN DESVÍOS PROVISIO-NALES DE CARRETERAS, TOTALMENTE INSTALADA, CON TODAS LAS PUESTA NECESARIAS DURANTE LA EJECUCIÓN DE LAS OBRAS, INCLUSO MONTAJES, DESMONTAJES Y TRANSPORTES A LOS LUGARES DE UTILIZACIÓN, AMORTIZABLE EN 10 USOS.			
06.06.02	ud CONO TIPO TB-6	100,00	12,19	1.219,00
(701.0005_N)	CONO TIPO TB-6, DE 75 CM DE ALTURA, CON TODAS LAS PUES-TAS NECESARIAS DURANTE LA EJECUCIÓN DE LAS OBRAS, IN-CLUSO COLOCACIÓN, RETIRADA Y TRANSPORTES A LOS LUGA-RES DE UTILIZACIÓN, CON UTILIZACIÓN MÁXIMA DE 10 OCA-SIONES.			
06.06.03	ud SEÑAL TRIANGULAR FONDO AMARILLO DE 175 cm DE LADO Y RETRORREFLECTANCIA DE CLASE RA2	10,00	314,72	3.147,20
(701.0020_N)	SEÑAL TRIANGULAR DE 175 CM DE LADO, RETRORREFLECTANTE DE CLASE RA2, COLOCADA SOBRE POSTE GALVANIZADO, FIJADO A TIE-RRA MEDIANTE HORMIGONADO i/ TORNILLERÍA Y ELEMENTOS DE FI-JACIÓN Y TRANSPORTE A LUGAR DE EMPLEO.			
06.06.04	ud SEÑAL CIRCULAR FONDO AMARILLO DE 120 cm DE DIÁMETRO Y RETRORREFLECTANCIA DE CLASE RA2	10,00	292,10	2.921,00
(701.0060_N)	SEÑAL CIRCULAR DE 120 CM DE DIÁMETRO, RETRORREFLECTANTE DE CLASE RA2, COLOCADA SOBRE POSTE GALVANIZADO, FIJADO A TIE-RRA MEDIANTE HORMIGONADO i/ TORNILLERÍA Y ELEMENTOS DE FI-JACIÓN Y TRANSPORTE A LUGAR DE EMPLEO.			
06.06.05	ud SEÑAL RECTANGULAR FONDO AMARILLO DE 120X180 cm DE LADO Y RETRORREFLECTANCIA DE CLASE RA2	10,00	453,47	4.534,70
(701.0170_N)	SEÑAL RECTANGULAR DE 120X180 CM DE LADO, RETRORRE-FLECTANTE DE CLASE RA2,DE FONDO AMARILLO, COLOCADA SOBRE POSTES GALVANIZADOS, FIJADOS A TIERRA MEDIANTE HORMIGONADO I/ TORNILLERIA Y ELEMENTOS DE FIJACION Y TRANSPORTE A LUGAR DE EMPLEO.			
06.06.06	m2 CARTEL TIPO FLECHA EN CHAPA DE ACERO GALVANIZADO, CON RA3, FONDO AMARILLO	4,00	403,08	1.612,32
(701.0220_N)	CARTEL TIPO FLECHA EN CHAPA DE ACERO GALVANIZADO, FONDO AMARILLO, RETRORREFLECTANTE CLASE RA3, i/ TORNI-LLERÍA, ELEMENTOS DE FIJACIÓN, POSTES Y CIMENTACIÓN Y TRANSPORTE A LUGAR DE EMPLEO.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
06.06.07	ud PANEL DIRECCIONAL 160x40 cm, CON CLASE RA2	20,00	49,09	981,80
(703.0080_N)	PANEL DIRECCIONAL (TIPO SARGENTO) TB-1, CON MONTAJE SOBRE POSTES PORTÁILES, EN DESVÍOS PROVISIONALES, CON TODAS LAS PUESTAS NECESARIAS DURANTE LA EJECUCIÓN DE LAS OBRAS, INCLUSO MONTAJES, DESMONTAJES Y TRANSPORTES A LOS LUGARES DE UTILIZACIÓN, AMORTIZABLE EN 10 USOS.			
06.06.08	h SEÑALISTA	40,00	34,70	1.388,00
(703.0130_N)	SEÑALISTA			
06.06.09	ud PANEL DE ZONA EXCLUIDA TB-5 Y CLASE RA-2	2,00	91,87	183,74
(703.013_N)	PANEL DE ZONA EXCLUIDA AL TRÁFICO Y CLASE RA-2 80 CM X 20 CM (CON PIES) TB-5, AMORTIZABLE EN 10 USOS.			
06.06.10	m BARRERA DE SEGURIDAD PREFABRICADA DE HORMIGÓN EN DESVÍOS. NIVEL DE CONTENCIÓN N2,D A O B, ANCHURA DE TRABAJO W3 O INFERIOR.	1500,00	21,56	32.340,00
(704.0012_N)	BARRERA DE SEGURIDAD PREFABRICADA DE HORMIGÓN PARA CONTENCIÓN DE VEHÍCULOS EN DESVÍOS. NIVEL DE CONTENCIÓN N2, ÍNDICE DE SEVERIDAD A O B, ANCHURA DE TRABAJO W3 O INFERIOR. INCLUIDOS CAPTAFAROS, TOTALMENTE INSTALADA, INCLUSO CUALQUIER TIPO DE TRABAJO O APORTES DE MATERIAL NECESARIOS PARA SU CORRECTA CIMENTACIÓN,AMORTIZABLE EN 10 USOS. NOTA 1: SE MEDIRÁ LA TRANSICIÓN HACIA OTRO TIPO DE BARRERAS O LOS ABATIMIENTOS COMO LONGITUD DE BARRERA.			
06.06.11	ud BARRERA DE SEGURIDAD PORTATIL TIPO NEW JERSEY DE PEAD	1500,00	41,39	62.085,00
(704.0014_N)	BARRERA DE SEGURIDAD PORTATIL TIPO NEW JERSEY DE POLIETILENO DE ALTA DENSIDAD, DE 1,20x0,60x0,40 m, CON CAPACIDAD DE LASTRADO DE 150 I, COLOR ROJO O BLANCO, AMORTIZABLE EN 5 USOS.			
TOTAL 06.06			110.986,01	
TOTAL 06			1.921.861,27	

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
07	SEÑALIZACIÓN, BALIZAMIENTO Y DEFENSAS			
07.01	SEÑALIZACIÓN VERTICAL			
07.01.01	m² CARTEL TIPO FLECHA EN CHAPA DE ACERO GALVANIZADO, CON RA2	5,00	396,51	1.982,55
(701.0230)	CARTEL TIPO FLECHA EN CHAPA DE ACERO GALVANIZADO, RETRO-RREFLECTANTE CLASE RA2, i/ TORNILLERÍA, ELEMENTOS DE FIJACIÓN, POSTES Y CIMENTACIÓN Y TRANSPORTE A LUGAR DE EMPLEO.			
07.01.02	m² PANEL EN LAMAS DE ACERO GALVANIZADO CLASE RA2	50,00	398,01	19.900,50
(701.0270)	PANEL EN LAMAS DE ACERO GALVANIZADO RETRORREFLECTANTE CLASE RA2 i/ PARTE PROPORCIONAL DE POSTES, EXCAVACIÓN Y HORMIGONADO DE CIMIENTOS, TOTALMENTE COLOCADO Y TRANSPORTE A LUGAR DE EMPLEO.			
07.01.03	m² PANEL EN LAMAS DE ALUMINIO EXTRUSIONADO CLASE RA3, EN PÓRTICOS O BANDEROLAS	648,00	293,47	190.168,56
(701.0280)	PANEL EN LAMAS DE ALUMINIO EXTRUSIONADO RETRORREFLECTANTE DE CLASE RA3, COLOCADO EN PÓRTICOS O BANDEROLAS i/ TRANSPORTE A LUGAR DE EMPLEO (SIN INCLUIR PÓRTICO O BANDEROLA).			
07.01.04	ud BANDEROLA ACERO GALVANIZADO, DE HASTA 7,00 m DE BRAZO Y HASTA 30 m² DE CARTELERÍA (NO INCLUIDA)	2,00	14.979,62	29.959,24
(701.0310)	BANDEROLA DE ACERO GALVANIZADO DE HASTA 7,00 m DE BRAZO Y/O HASTA 30 m² DE CARTEL i/ EXCAVACIÓN, RELLENO, CIMENTACIÓN MEDIANTE HORMIGÓN ARMADO Y ANCLAJES Y TRANSPORTE A LUGAR DE EMPLEO, COMPLETAMENTE COLOCADA (SIN INCLUIR CARTEL).			
07.01.05	ud PÓRTICO ACERO GALVANIZADO, LUZ HASTA 17,00 m Y HASTA 60 m² DE CARTELERÍA (NO INCLUIDA)	12,00	31.168,09	374.017,08
(701.0350)	PÓRTICO DE ACERO GALVANIZADO DE HASTA 17,00 m DE LUZ Y/O HASTA 60 m² DE CARTEL i/ EXCAVACIÓN, RELLENO, CIMENTACIÓN MEDIANTE HORMIGÓN ARMADO Y ANCLAJES Y TRANSPORTE A LUGAR DE EMPLEO, COMPLETAMENTE COLOCADO (SIN INCLUIR CARTEL).			
07.01.06	ud SEÑAL TRIANGULAR DE 175 cm DE LADO Y RETRORREFLECTANCIA DE CLASE RA3	15,00	373,79	5.606,85
(701.0010)	SEÑAL TRIANGULAR DE 175 CM DE LADO, RETRORREFLECTANTE DE CLASE RA3, COLOCADA SOBRE POSTE GALVANIZADO, FIJADO A TIERRA MEDIANTE HORMIGONADO i/ TORNILLERÍA Y ELEMENTOS DE FIJACIÓN Y TRANSPORTE A LUGAR DE EMPLEO.			
07.01.07	ud SEÑAL CIRCULAR DE 120 cm DE DIÁMETRO Y RETRORREFLECTANCIA DE CLASE RA3	20,00	350,00	7.000,00
(701.0050)	SEÑAL CIRCULAR DE 120 CM DE DIÁMETRO, RETRORREFLECTANTE DE CLASE RA3, COLOCADA SOBRE POSTE GALVANIZADO, FIJADO A TIERRA MEDIANTE HORMIGONADO i/ TORNILLERÍA Y ELEMENTOS DE FIJACIÓN Y TRANSPORTE A LUGAR DE EMPLEO.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
07.01.08	ud SEÑAL CUADRADA DE 120 cm DE LADO Y RETRORREFLECTANCIA DE CLASE RA3	10,00	427,53	4.275,30
(701.0120)	SEÑAL CUADRADA DE 120 CM DE LADO, RETRORREFLECTANTE DE CLASE RA3, COLOCADA SOBRE POSTE GALVANIZADO, FIJADO A TIERRA MEDIANTE HORMIGONADO i/ TORNILLERÍA Y ELEMENTOS DE FIJACIÓN Y TRANSPORTE A LUGAR DE EMPLEO.			
07.01.09	ud SEÑAL RECTANGULAR DE 120X180 cm DE LADO Y RETRORREFLECTANCIA DE CLASE RA3	10,00	582,10	5.821,00
(701.0160)	SEÑAL RECTANGULAR DE 120X180 CM DE LADO, RETRORREFLECTANTE DE CLASE RA3, COLOCADA SOBRE POSTES GALVANIZADOS, FIJADOS A TIERRA MEDIANTE HORMIGONADO i/ TORNILLERÍA Y ELEMENTOS DE FIJACIÓN Y TRANSPORTE A LUGAR DE EMPLEO.			
TOTAL 07.01.....				638.731,08
07.02	SEÑALIZACIÓN HORIZONTAL			
07.02.01	m MARCA VIAL BLANCA REFLECTANTE, TERMOPLÁSTICA EN CALIENTE, ANCHO 15 cm	38101,60	0,71	27.052,14
(700.0020)	MARCA VIAL DE TIPO II (RW), DE PINTURA BLANCA REFLECTANTE, TIPO TERMOPLÁSTICA EN CALIENTE, DE 15 cm DE ANCHO SIN RESALTES i/ LIMPIEZA Y PREPARACIÓN DE LA SUPERFICIE Y PREMARCAJE (MEDIDA LA LONGITUD REALMENTE PINTADA).			
07.02.02	m² MARCA VIAL BLANCA REFLECTANTE, TIPO ACRÍLICA, EN SÍMBOLOS	9566,00	7,90	75.571,40
(700.0130)	MARCA VIAL DE TIPO II (RW), DE PINTURA BLANCA REFLECTANTE, TIPO ACRÍLICA DE BASE SOLVENTE, EN SÍMBOLOS Y CEBREADOS i/ LIMPIEZA Y PREPARACIÓN DE LA SUPERFICIE Y PREMARCAJE (MEDIDA LA SUPERFICIE REALMENTE PINTADA).			
07.02.03	m MARCA VIAL BLANCA REFLECTANTE, TERMOPLÁSTICA EN CALIENTE, ANCHO 40 cm	1240,00	1,57	1.946,80
(700.0031_N)	MARCA VIAL DE TIPO II (RR), DE PINTURA BLANCA REFLECTANTE, TIPO TERMOPLÁSTICA EN CALIENTE, DE 40 cm DE ANCHO i/ PREPARACIÓN DE LA SUPERFICIE Y PREMARCAJE (MEDIDA LA LONGITUD REALMENTE PINTADA).			
TOTAL 07.02.....				104.570,34
07.03	BALIZAMIENTO			
07.03.01	ud HITO KILOMÉTRICO S-572 DE 60X40 cm DE LADO DE CLASE RA2	6,00	95,40	572,40
(701.0430)	HITO KILOMÉTRICO S-572 DE 60x40 cm DE LADO, CON MATERIAL RETRORREFLECTANTE DE CLASE RA2 i/ POSTE, TORNILLERÍA Y CIMENTACIÓN, TOTALMENTE COLOCADO.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
07.03.02	ud CAPTAFARO HORIZONTAL CON REFLECTANCIA A DOS CARAS	100,00	7,30	730,00
(702.0020)	CAPTAFARO HORIZONTAL CON REFLECTANCIA A DOS CARAS.			
07.03.03	ud BALIZA CILÍNDRICA CH-75 DE CLASE RA2	30,00	50,05	1.501,50
(703.0010)	BALIZA CILÍNDRICA CH-75 CON MATERIAL REFLECTANTE CLASE RA2, TOTALMENTE COLOCADA.			
07.03.04	ud HITO DE VÉRTICE N-120 RETRORREFLECTANTE DE CLASE RA2	4,00	378,37	1.513,48
(703.0020)	HITO DE VÉRTICE N-120 CON MATERIAL RETRORREFLECTANTE DE CLASE RA2, LASTRADO CON GRAVA O GRAVILLA, TOTALMENTE COLOCADO.			
07.03.05	ud HITO DE ARISTA DE H-155 CM DE TIPO I DE CLASE RA2	75,00	17,51	1.313,25
(703.0045)	HITO DE ARISTA (DE 155 cm) TIPO I (PARA CARRETERA CONVENCIONAL), DE RETRORREFLECTANCIA CLASE RA2, TOTALMENTE COLOCADO, INCLUIDA CIMENTACIÓN.			
07.03.06	ud PANEL DIRECCIONAL DE 80X40 cm, DE CLASE RA2	50,00	136,18	6.809,00
(703.0110)	PANEL DIRECCIONAL DE 80x40 cm Y RETRORREFLECTANCIA CLASE RA2 i/ TORNILLERÍA, ELEMENTOS DE FIJACIÓN, POSTES Y CIMENTACIÓN Y TRANSPORTE A LUGAR DE EMPLEO.			
TOTAL 07.03.....				12.439,63
07.04	DEFENSAS			
07.04.01	m BARRERA DE HORMIGÓN SIMPLE, CLASE DE CONTENCIÓN ALTA, H2, W1 O INFERIOR, D=0,0 m, ÍNDICE DE SEVERIDAD B	15270,00	171,70	2.621.859,00
(704.0740_N)	BARRERA DE HORMIGÓN CON UNA CARA ACTIVA CON NIVEL DE CONTENCIÓN H2, ANCHURA DE TRABAJO W1 O INFERIOR, DEFLEXIÓN DINÁMICA 0,00 m, ÍNDICE DE SEVERIDAD B O INFERIOR i/ PARTE PROPORCIONAL PIEZAS ESPECIALES (JUNTAS DE DILATACIÓN, TERMINALES, TRANSICIONES ENTRE SISTEMAS, ETC.), ANCLAJES, PEDESTALES, TACONES EN ÉSTOS PARA EL PASO DEL AGUA A SUMIDEROS Y TODOS LOS MATERIALES Y OPERACIONES NECESARIOS PARA LA EJECUCIÓN DE LA UNIDAD. NOTA: SE MEDIRÁ EL TERMINAL COMO LONGITUD DE BARRERA (INCLUIR EN PPTP).			
07.04.02	m BARRERA DE HORMIGÓN DOBLE, CLASE DE CONTENCIÓN ALTA, H2, W1 O INFERIOR, D=0,0 m, ÍNDICE DE SEVERIDAD B	2125,00	186,74	396.822,50
(704.2740_N)	BARRERA DE HORMIGÓN CON DOBLE CARA ACTIVA CON NIVEL DE CONTENCIÓN H2, ANCHURA DE TRABAJO W1 O INFERIOR, DEFLEXIÓN DINÁMICA 0,00 m, ÍNDICE DE SEVERIDAD B O INFERIOR i/ PARTE PROPORCIONAL PIEZAS ESPECIALES (JUNTAS DE DILATACIÓN, TERMINALES, TRANSICIONES ENTRE SISTEMAS, ETC.), ANCLAJES, PEDESTALES, TACONES EN ÉSTOS PARA EL PASO DEL AGUA A SUMIDEROS Y TODOS LOS MATERIALES Y OPERACIONES NECESARIOS PARA LA EJECUCIÓN DE LA UNI-			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	DAD. NOTA: SE MEDIRÁ EL TERMINAL COMO LONGITUD DE BARRERA (INCLUIR EN PPTP).			
07.04.03	m BARRERA DE HORMIGÓN PREFABRICADA SIMPLE, CLASE DE CONTENCIÓN ALTA, H4b, W3 O INFERIOR, D=0,1 m O INFERIOR, ÍNDICE DE SEVERIDAD B	1198,00	152,47	182.659,06
(704.0730_N)	BARRERA DE HORMIGÓN PREFABRICADA CON UNA CARA ACTIVA CON NIVEL DE CONTENCIÓN H4b, ANCHURA DE TRABAJO W3 O INFERIOR, DEFLEXIÓN DINÁMICA 0,10 m O INFERIOR, ÍNDICE DE SEVERIDAD B O INFERIOR i/ PARTE PROPORCIONAL PIEZAS ESPECIALES (JUNTAS DE DILATACIÓN, TERMINALES, TRANSICIONES ENTRE SISTEMAS, ETC.), ANCLAJES, PEDESTALES, TACONES EN ÉSTOS PARA EL PASO DEL AGUA A SUMIDEROS Y TODOS LOS MATERIALES Y OPERACIONES NECESARIOS PARA LA EJECUCIÓN DE LA UNIDAD. NOTA: SE MEDIRÁ EL TERMINAL COMO LONGITUD DE BARRERA (INCLUIR EN PPTP).			
07.04.04	m BARRERA METÁLICA SEGURIDAD SIMPLE, CLASE CONTENCIÓN ALTA, H2, W4 O INFERIOR, D=1,1 m O INFERIOR, ÍNDICE DE SEVERIDAD A	2215,00	49,52	109.686,80
(704.0710)	BARRERA METÁLICA DE SEGURIDAD SIMPLE, CON NIVEL DE CONTENCIÓN H2, ANCHURA DE TRABAJO W4 O INFERIOR, DEFLEXIÓN DINÁMICA 1,10 m O INFERIOR, ÍNDICE DE SEVERIDAD A i/ CAPTAFAROS, POSTES, P.P. DE UNIONES, TORNILLERÍA Y ANCLAJES, TOTALMENTE INSTALADA. NOTA: SE MEDIRÁ LA TRANSICIÓN O ABATIMIENTO COMO LONGITUD DE BARRERA (INCLUIR EN PPTP).			
07.04.05	m BARRERA METÁLICA SEGURIDAD SIMPLE, CLASE CONTENCIÓN ALTA, H1, W3 O INFERIOR, D=0,9 m O INFERIOR, ÍNDICE DE SEVERIDAD A	5505,00	43,48	239.357,40
(704.0620)	BARRERA METÁLICA DE SEGURIDAD SIMPLE, CON NIVEL DE CONTENCIÓN H2, ANCHURA DE TRABAJO W4 O INFERIOR, DEFLEXIÓN DINÁMICA 1,10 m O INFERIOR, ÍNDICE DE SEVERIDAD A i/ CAPTAFAROS, POSTES, P.P. DE UNIONES, TORNILLERÍA Y ANCLAJES, TOTALMENTE INSTALADA. NOTA: SE MEDIRÁ LA TRANSICIÓN O ABATIMIENTO COMO LONGITUD DE BARRERA (INCLUIR EN PPTP).			
07.04.06	m BARRERA METÁLICA SEGURIDAD SIMPLE CON SPM, CLASE CONTENCIÓN ALTA, H2, W5 O INFERIOR, D=1,4 m O INFERIOR, ÍNDICE DE SEVERIDAD A,	552,00	75,91	41.902,32
(704.1700)	BARRERA METÁLICA DE SEGURIDAD SIMPLE CON SISTEMA PARA PROTECCIÓN DE MOTOCICLISTAS (SPM), CON NIVEL DE CONTENCIÓN H2, ANCHURA DE TRABAJO W5 O INFERIOR, DEFLEXIÓN DINÁMICA 1,40 m O INFERIOR, ÍNDICE DE SEVERIDAD A Y NIVEL DE SEVERIDAD I i/ CAPTAFAROS, POSTES, P.P. DE UNIONES, TORNILLERÍA Y ANCLAJES, TOTALMENTE INSTALADA. NOTA: SE MEDIRÁ LA TRANSICIÓN O ABATIMIENTO COMO LONGITUD DE BARRERA (INCLUIR EN PPTP).			
07.04.07	m BARRERA METÁLICA SEGURIDAD SIMPLE CON SPM, CLASE CONTENCIÓN ALTA, H1, W5 O INFERIOR, D=1,0 m O INFERIOR, ÍNDICE DE SEVERIDAD A,	731,00	77,62	56.740,22
(704.1610)	BARRERA METÁLICA DE SEGURIDAD SIMPLE CON SISTEMA PARA PROTECCIÓN DE MOTOCICLISTAS (SPM), CON NIVEL DE			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	CONTENCIÓN H1, ANCHURA DE TRABAJO W5 O INFERIOR, DEFLEXIÓN DINÁMICA 1,00 m O INFERIOR, ÍNDICE DE SEVERIDAD A Y NIVEL DE SEVERIDAD I i/ CAPTAFAROS, POSTES, P.P. DE UNIONES, TORNILLERÍA Y ANCLAJES, TOTALMENTE INSTALADA. NOTA: SE MEDIRÁ LA TRANSICIÓN O ABATIMIENTO COMO LONGITUD DE BARRERA (INCLUIR EN PPTP).			
07.04.08	m PRETIL METÁLICO GALVANIZADO Y TERMOLACADO CLASE CONTENCIÓN ALTA, H3, W2 O INFERIOR, ÍNDICE DE SEVERIDAD B	437,00	286,56	125.226,72
(617.0810)	PRETIL METÁLICO GALVANIZADO Y TERMOLACADO CON NIVEL DE CONTENCIÓN H3, ANCHURA DE TRABAJO W2 O INFERIOR, ÍNDICE DE SEVERIDAD B O INFERIOR i/ ANCLAJES Y TODOS LOS MATERIALES Y OPERACIONES NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA. NOTA: SE MEDIRÁ EL TERMINAL O LA TRANSICIÓN COMO LONGITUD DE PRETIL (INCLUIR EN PPTP).			
07.04.09	m PRETIL DE HORMIGÓN CLASE CONTENCIÓN ALTA, H3, W2 O INFERIOR, ÍNDICE DE SEVERIDAD B	1216,00	264,09	321.133,44
(617.0920_N)	PRETIL DE HORMIGÓN CON NIVEL DE CONTENCIÓN H3, ANCHURA DE TRABAJO W2 O INFERIOR, ÍNDICE DE SEVERIDAD B O INFERIOR i/ ANCLAJES Y TODOS LOS MATERIALES Y OPERACIONES NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA. NOTA: SE MEDIRÁ EL TERMINAL O LA TRANSICIÓN COMO LONGITUD DE PRETIL (INCLUIR EN PPTP).			
07.04.10	m PRETIL DE HORMIGÓN CLASE CONTENCIÓN MUY ALTA, H4b, W2 O INFERIOR, ÍNDICE DE SEVERIDAD B	1185,00	271,51	321.739,35
(617.0920)	PRETIL DE HORMIGÓN CON NIVEL DE CONTENCIÓN H4b, ANCHURA DE TRABAJO W2 O INFERIOR, ÍNDICE DE SEVERIDAD B O INFERIOR i/ ANCLAJES Y TODOS LOS MATERIALES Y OPERACIONES NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA. NOTA: SE MEDIRÁ EL TERMINAL O LA TRANSICIÓN COMO LONGITUD DE PRETIL (INCLUIR EN PPTP).			
07.04.11	m BARRERA METÁLICA MÓVIL EN PASO DE MEDIANA, CLASE CONTENCIÓN ALTA, H2, W3 O INFERIOR, D=0,3 m O INFERIOR, ÍNDICE DE SEVERIDAD B	120,00	712,79	85.534,80
(704.3720)	BARRERA METÁLICA MÓVIL EN PASO DE MEDIANA, CON NIVEL DE CONTENCIÓN H2, ANCHURA DE TRABAJO W3 O INFERIOR, DEFLEXIÓN DINÁMICA 0,30 m O INFERIOR, ÍNDICE DE SEVERIDAD B O INFERIOR i/ ANCLAJES Y TODOS LOS MATERIALES Y OPERACIONES NECESARIOS PARA LA CORRECTA EJECUCIÓN DE LA UNIDAD DE OBRA. NOTA: SE MEDIRÁ EL TERMINAL O LA TRANSICIÓN COMO LONGITUD DE BARRERA MÓVIL DE PASO DE MEDIANA (INCLUIR EN PPTP).			
TOTAL 07.04.....				4.502.661,61

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
TOTAL 07				5.258.402,66

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
08	ORDENACIÓN ECOLÓGICA, ESTÉTICA Y PAISAJÍSTICA			
08.01	PROTECCIÓN SUELOS Y VEGETACIÓN			
08.01.01	m JALONAMIENTO TEMPORAL CON SOPORTES ANGULARES METÁLICOS	118000,00	0,60	70.800,00
(801.0030)	JALONAMIENTO TEMPORAL DE PROTECCIÓN FORMADO POR SOPORTES ANGULARES METÁLICOS DE 30 mm Y 1 m DE LONGITUD UNIDOS ENTRE SI MEDIANTE UNA CINTA DE SEÑALIZACIÓN DE OBRA Y COLOCADOS CADA 8 m.			
08.01.02	m2 LABOREO MECANIZADO SUELO COMPACTO	57483,00	2,34	134.510,22
(801.0483_N)	LABOREO MECANIZADO EN TERRENO COMPACTO REALIZADO MEDIANTE 2 PASES CON GRADA DE DISCOS, ARRASTRADO POR TRACTOR AGRÍCOLA, A UNA PROFUNDIDAD DE 40 CM, INCLUIDO DESTERRONADO, MEDIDA LA SUPERFICIE EJECUTADA EN OBRA.			
08.01.03	u PROTECCIÓN DEL TRONCO DE EJEMPLARES ARBÓREOS	200,00	8,53	1.706,00
(801.0205N)	Suministro e instalación de rejilla metálica para la protección de árboles de 200cm de altura mínima realizada con perfiles huecos de acero y entrepaño de montantes cuadrados de 30x30mm cada 12cm.			
TOTAL 08.01				207.016,22
08.02	PROTECCIÓN DE LA CALIDAD ACÚSTICA			
08.02.01	PANTALLA MURO VERDE			
08.02.01.01	m² PANEL ACÚSTICO DE POLIMETACRILATO DE METILO	912,00	119,12	108.637,44
(801.0110)	COLOCACIÓN DE PANEL ACÚSTICO DE POLIMETACRILATO DE METILO, SIN INCLUIR PERFILES NI CIMENTACIÓN.			
08.02.01.02	m² PANEL METÁLICO ACÚSTICO FONOABSORBENTE	1520,00	124,88	189.817,60
(801.0100)	COLOCACIÓN DE PANEL METÁLICO ACÚSTICO FONOABSORBENTE DE 5 METROS DE ALTURA SIN INCLUIR PERFILES NI CIMENTACIÓN.			
TOTAL 08.02.01				298.455,04

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
08.02.02	METALICA EN MEDIANA			
08.02.02.01	m² PANEL METÁLICO ACÚSTICO FONOABSORBENTE	5250,00	124,88	655.620,00
(801.0100)	COLOCACIÓN DE PANEL METÁLICO ACÚSTICO FONOABSORBENTE DE 5 METROS DE ALTURA SIN INCLUIR PERFILES NI CIMENTACIÓN.			
TOTAL 08.02.02				655.620,00
08.02.03	SEMICUBIERTA			
08.02.03.01	m² PANEL ACÚSTICO DE POLIMETACRILATO DE METILO	12880,00	119,12	1.534.265,60
(801.0110)	COLOCACIÓN DE PANEL ACÚSTICO DE POLIMETACRILATO DE METILO, SIN INCLUIR PERFILES NI CIMENTACIÓN.			
08.02.03.02	m² PANEL METÁLICO ACÚSTICO FONOABSORBENTE	4600,00	124,88	574.448,00
(801.0100)	COLOCACIÓN DE PANEL METÁLICO ACÚSTICO FONOABSORBENTE DE 5 METROS DE ALTURA SIN INCLUIR PERFILES NI CIMENTACIÓN.			
TOTAL 08.02.03				2.108.713,60
08.02.04	MARQUESINA			
08.02.04.01	m² PANEL ACÚSTICO DE POLIMETACRILATO DE METILO	4600,00	119,12	547.952,00
(801.0110)	COLOCACIÓN DE PANEL ACÚSTICO DE POLIMETACRILATO DE METILO, SIN INCLUIR PERFILES NI CIMENTACIÓN.			
TOTAL 08.02.04				547.952,00
08.02.05	METALICA CON VOLADIZO			
08.02.05.01	m² PANEL METÁLICO ACÚSTICO FONOABSORBENTE	1476,00	124,88	184.322,88
(801.0100)	COLOCACIÓN DE PANEL METÁLICO ACÚSTICO FONOABSORBENTE DE 5 METROS DE ALTURA SIN INCLUIR PERFILES NI CIMENTACIÓN.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
08.02.05.02	m² PANEL ACÚSTICO DE POLIMETACRILATO DE METILO	268,00	119,12	31.924,16
(801.0110)	COLOCACIÓN DE PANEL ACÚSTICO DE POLIMETACRILATO DE METILO, SIN INCLUIR PERFILES NI CIMENTACIÓN.			
TOTAL 08.02.05				216.247,04
08.02.06	PANTALLA MIXTA SOBRE DESMONTE			
08.02.06.01	m² PANEL METÁLICO ACÚSTICO FONOABSORBENTE	1320,00	124,88	164.841,60
(801.0100)	COLOCACIÓN DE PANEL METÁLICO ACÚSTICO FONOABSORBENTE DE 5 METROS DE ALTURA SIN INCLUIR PERFILES NI CIMENTACIÓN.			
TOTAL 08.02.06				259.184,64
08.02.06.02	m² PANEL ACÚSTICO DE POLIMETACRILATO DE METILO	792,00	119,12	94.343,04
(801.0110)	COLOCACIÓN DE PANEL ACÚSTICO DE POLIMETACRILATO DE METILO, SIN INCLUIR PERFILES NI CIMENTACIÓN.			
08.02.07.01	ud PANTALLA MURO VERDE	1,00	298.455,04	298.455,04
(08.02.01)	COLOCACIÓN PANTALLA MURO VERDE			
08.02.07.02	ud METALICA EN MEDIANA	1,00	655.620,00	655.620,00
(08.02.02)	COLOCACIÓN PANTALLA METÁLICA EN MEDIANA			
08.02.07.03	ud SEMICUBIERTA	1,00	2.108.713,60	2.108.713,60
(08.02.03)	COLOCACIÓN PANELES METÁLICOS ACÚSTICOS EN LAS PAREDES Y PLACAS DE METACRILATO EN LA PARTE SUPERIOR. No incluye carcasa principal de acero estructural.			
08.02.07.04	ud MARQUESINA	1,00	547.952,00	547.952,00
(08.02.04)	COLOCACIÓN PANTALLA MARQUESINA			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
08.02.07.05	ud METALICA CON VOLADIZO	1,00	216.247,04	216.247,04
(08.02.05)	COLOCACIÓN PANTALLA METÁLICA CON VOLADIZO			
08.02.07.06	ud PANTALLA MIXTA SOBRE DESMONTE	1,00	259.184,64	259.184,64
(08.02.06)	COLOCACIÓN PANTALLA MIXTA SOBRE DESMONTE			
08.02.07.07	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	3576,00	0,57	2.038,32
(300.0010)	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VERTEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
08.02.07.08	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	4080,00	6,70	27.336,00
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
08.02.07.09	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMO, YACIMIENTO GRANULAR Y/O CANTERA	11209,80	8,45	94.722,81
(332.0050)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE PRÉSTAMOS, YACIMIENTO GRANULAR Y/O CANTERA, i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE AL LUGAR DE EMPLEO HASTA UNA DISTANCIA DE 5 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
08.02.07.10	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA	229,50	66,48	15.257,16
(610.0010)	HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.			
08.02.07.11	m³ HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS	4116,04	109,05	448.854,16
(610.0060)	HORMIGÓN C30/37 EN CIMENTACIONES, PILOTES, PANTALLAS, ENCEPADOS Y ACERAS.			
08.02.07.12	kg ACERO EN BARRAS CORRUGADAS B 500 SD	325435,25	1,39	452.355,00
(600.0020)	ACERO EN BARRAS CORRUGADAS B 500 SD COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN, SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	Y SEPARADORES.			
08.02.07.13	kg ACERO S275JR EN CHAPAS Y PERFILES LAMINADOS	1568733,40	3,59	5.631.752,91
(620.0020)	ACERO LAMINADO ESTRUCTURAL S275JR EN CHAPAS Y PERFILES LAMINADOS i/ P.P. DE DESPUNTES, CORTE, DOBLADO, SOLDADURAS, TRANSPORTE, POSICIONAMIENTO Y COLOCACIÓN EN OBRA, PROTECCIÓN ANTI-CORROSIÓN TOTALMENTE MONTADO.			
08.02.07.14	ud EQUIPO Y MEDIOS AUXILIARES PILOTES HASTA 1200 mm	4,00	8.000,00	32.000,00
(680.1000)	TRANSPORTE, MONTAJE Y RETIRADA DEL EQUIPO Y MEDIOS AUXILIARES PARA EJECUCIÓN DE PILOTES DE DIÁMETRO HASTA 1200 mm.			
08.02.07.15	m² REVESTIMIENTO VEGETATIVO DE TALUD CON GEOMALLA TRIDIMENSIONAL DE MONOFILAMENTOS SINTÉTICOS TERMOSOLDADOS, DE 20 A 22 mm DE ESPES	9180,00	14,24	130.723,20
(290.0130)	REVESTIMIENTO VEGETATIVO Y/O PROTECCIÓN CONTRA LA PÉRDIDA DE FINOS DEL TALUD CON GEOMALLA TRIDIMENSIONAL DE MONOFILAMENTOS SINTÉTICOS TERMOSOLDADOS, DE 20 A 22 mm DE ESPESOR, FIJADA CON GRAPAS DE ACERO CORRUGADO EN FORMA DE U, DE 10 mm DE DIÁMETRO Y DE 20-10-20 cm, CON PREPARACIÓN DE LA SUPERFICIE DEL TERRENO.			
08.02.07.16	m PILOTE DE DIÁMETRO DESDE 650 HASTA 850 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD	794,50	65,13	51.745,79
(671.0040)	PERFORACIÓN DE PILOTE DE DIÁMETRO DESDE 650 HASTA 850 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD i/ CAMISA Y SU RECUPERACIÓN.			
08.02.07.17	m PILOTE DE DIÁMETRO DE 1000 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD	1862,00	85,78	159.722,36
(671.0050)	PERFORACIÓN DE PILOTE DE DIÁMETRO DE 1000 mm (INCLUIDO) CON ENTUBACIÓN RECUPERABLE (HASTA 6 m) HASTA 30 m DE PROFUNDIDAD i/ CAMISA Y SU RECUPERACIÓN.			
TOTAL 08.02.....				11.132.680,03
08.03	INTEGRACIÓN AMBIENTAL			
08.03.01	DESMONTE			
08.03.01.01	m³ EXTENSIÓN DE TIERRA VEGETAL DE LA PROPIA OBRA EN TALUDES	6297,06	1,54	9.697,47
(801.0060)	ACOPIO, MANTENIMIENTO, CARGA, TRANSPORTE Y EXTENSIÓN DE TIERRA VEGETAL DE LA PROPIA OBRA EN TALUDES.			
08.03.01.02	m² HIDROSIEMBRA CON MEZCLA DE SEMILLAS HERBÁCEAS	21125,20	1,14	24.082,73
(801.0070)	HIDROSIEMBRA CON MEZCLA DE SEMILLAS HERBÁCEAS i/ PREPARACIÓN DE LA SUPERFICIE, ABONADO Y MANTENIMIENTO.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
08.03.01.03	ud PLANTACIÓN DE PISTACIA LENTISCUS (LENTISCO, ENTINA O MATA CHARNECA)	672,00	4,38	2.943,36
(801.0260)	EJECUCIÓN DE PLANTACIÓN PISTACIA LENTISCUS (LENTISCO, ENTINA O MATA CHARNECA) DE 1/2 SAVIAS EN ALVEOLO FORESTAL DE 300 cc, EXCAVACIÓN DE HOYO DE PLANTACIÓN DE 30 X 30 X 30 cm CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
08.03.01.04	ud PLANTACIÓN DE RETAMA MONOSPERMA (RETAMA BLANCA)	672,00	4,01	2.694,72
(801.0458_N)	EJECUCIÓN DE PLANTACIÓN DE RETAMA MONOSPERMA (RETAMA BLANCA) DE 1/2 SAVIAS EN ALVEOLO FORESTAL DE 300 cc, EXCAVACIÓN DE HOYO DE PLANTACIÓN DE 30 X 30 X 30 cm CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
08.03.01.05	ud PLANTACIÓN DE SPARTIUM JUNCEUM (RETAMA)	672,00	4,02	2.701,44
(801.0461_N)	EJECUCIÓN DE PLANTACIÓN SPARTIUM JUNCEUM (RETAMA) DE 1/2 SAVIAS EN ALVEOLO FORESTAL DE 300 cc, EXCAVACIÓN DE HOYO DE PLANTACIÓN DE 30 X 30 X 30 cm CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
08.03.01.06	ud PLANTACIÓN DE RHAMNUS LYCIOIDES (ESPINO NEGRO)	336,00	4,07	1.367,52
(801.0462_N)	EJECUCIÓN DE PLANTACIÓN RHAMNUS LYCIOIDES (ESPINO NEGRO) DE 1/2 SAVIAS EN ALVEOLO FORESTAL DE 300 cc, EXCAVACIÓN DE HOYO DE PLANTACIÓN DE 30 X 30 X 30 cm CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
08.03.01.07	ud PLANTACIÓN DE ANTHYLLIS CYTISOIDES (ALBAIDA)	336,00	4,09	1.374,24
(801.0459_N)	EJECUCIÓN DE PLANTACIÓN CISTUS ANTHYLLIS CYTISOIDES (ALBAIDA) DE 1/2 SAVIAS EN ALVEOLO FORESTAL DE 300 cc, EX-			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	CAVACIÓN DE HOYO DE PLANTACIÓN DE 30 X 30 X 30 cm CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
08.03.01.08	ud PLANTACIÓN DE GENISTA SCORPIUS	672,00	4,01	2.694,72
(801.0190_N)	EJECUCIÓN DE PLANTACIÓN GENISTA HIRSUTA (AULAGA O TOJO ALFILETERO) DE 1/2 SAVIAS EN ALVEOLO FORESTAL DE 300 cc, EXCAVACIÓN DE HOYO DE PLANTACIÓN DE 30 X 30 X 30 cm CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
08.03.01.09	m³ EXTENSIÓN DE TIERRA VEGETAL DE LA PROPIA OBRA EN SUPERFICIES HORIZONTALES	700,00	1,10	770,00
(801.0050)	ACOPIO, MANTENIMIENTO, CARGA, TRANSPORTE Y EXTENSIÓN DE TIERRA VEGETAL DE LA PROPIA OBRA, EN SUPERFICIES HORIZONTALES.			
08.03.01.10	ud PLANTACIÓN DE CUPRESSUS SEMPERVIRENS (CIPRÉS COMÚN O CIPRÉS MEDITERRÁNEO)	45,00	6,87	309,15
(801.0320)	EJECUCIÓN DE PLANTACIÓN CUPRESSUS SEMPERVIRENS (CIPRÉS COMÚN O CIPRÉS MEDITERRÁNEO) DE 125/150 cm DE ALTURA, EN CONTENEDOR, PARA SETOS, EXCAVACIÓN DE HOYO DE PLANTACIÓN CON LAS DIMENSIONES NECESARIAS CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ SI FUERA NECESARIO, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
08.03.01.11	ud PLANTACIÓN DE PINUS HALEPENSIS (PINO CARRASCO, PINCARRASCO, PINO DE ALEPO O PINO DE JERUSALÉN)	90,00	62,86	5.657,40
(801.0330)	EJECUCIÓN DE PLANTACIÓN PINUS HALEPENSIS (PINO CARRASCO, PINCARRASCO, PINO DE ALEPO O PINO DE JERUSALÉN) DE 200/250 cm DE ALTURA, EN CEPELLÓN ESCAYOLADO, EXCAVACIÓN DE HOYO DE PLANTACIÓN CON LAS DIMENSIONES NECESARIAS CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ SI FUERA NECESARIO, ABONO MINERAL Y PRIMER RIEGO DE PLAN-			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	TACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
08.03.01.12	ud PLANTACIÓN DE LAVANDULA DENTATA (LAVANDA)	700,00	4,05	2.835,00
(801.0460_N)	EJECUCIÓN DE PLANTACIÓN DE LAVANDULA DENTATA (LAVAN-DA) DE 1/2 SAVIAS EN ALVEOLO FORESTAL DE 300 cc, EXCAVA-CIÓN DE HOYO DE PLANTACIÓN DE 30 X 30 X 30 cm CON ME-DIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EX-CAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, CO-LOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
08.03.01.13	ud PLANTACIÓN DE ROSMARINUS OFFICINALIS POSTRATUS (ROMERO RASTRERO)	701,00	4,02	2.818,02
(801.0467_N)	EJECUCIÓN DE PLANTACIÓN ROSMARINUS OFFICINALIS POS-TRATUS (ROMERO RASTRERO) DE 1/2 SAVIAS EN ALVEOLO FO-RESTAL DE 300 cc, EXCAVACIÓN DE HOYO DE PLANTACIÓN DE 30 X 30 X 30 cm CON MEDIOS MANUALES Y RELLENO DEL HO-YO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FOR-MACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
08.03.01.14	ud PLANTACIÓN DE CUPRESSUS ARIZONICA de 100/125 cm	45,00	10,68	480,60
(801.0320_N)	EJECUCIÓN DE PLANTACIÓN CUPRESSUS SEMPERVIRENS (CI-PRÉS COMÚN O CIPRÉS MEDITERRÁNEO) DE 125/150 cm DE AL-TURA, EN CONTENEDOR, PARA SETOS, EXCAVACIÓN DE HOYO DE PLANTACIÓN CON LAS DIMENSIONES NECESARIAS CON ME-DIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EX-CAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, CO-LOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ SI FUERA NECESA-RIO, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMI-NISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
08.03.01.15	ud PLANTACIÓN DE SANTOLINA CHAMAECYPARISSUS (SANTOLINA)	462,00	11,29	5.215,98
(801.0474_N)	EJECUCIÓN DE PLANTACIÓN SANTOLINA CHAMAECYPARISSUS (SANTOLINA) DE 1/2 SAVIAS EN ALVEOLO FORESTAL DE 300 cc, EXCAVACIÓN DE HOYO DE PLANTACIÓN DE 30 X 30 X 30 cm CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCOR-QUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
08.03.01.16	ud PLANTACIÓN DE NERIUM OLEANDER (ADELFA)	462,00	11,34	5.239,08
(801.0484_N)	EJECUCIÓN DE NERIUM OLEANDER (ADELFA) DE 1/2 SAVIAS EN			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	ALVEOLO FORESTAL DE 300 cc, EXCAVACIÓN DE HOYO DE PLANTACIÓN DE 30 X 30 X 30 cm CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
TOTAL 08.03.01				70.881,43
08.03.02	TERRAPLEN			
08.03.02.01	m³ EXTENSIÓN DE TIERRA VEGETAL DE LA PROPIA OBRA EN TALUDES	8293,95	1,54	12.772,68
(801.0060)	ACOPIO, MANTENIMIENTO, CARGA, TRANSPORTE Y EX-TENSIÓN DE TIERRA VEGETAL DE LA PROPIA OBRA EN TA-LUDES.			
08.03.02.02	m² HIDROSIEMBRA CON MEZCLA DE SEMILLAS HERBÁCEAS	27646,50	1,14	31.517,01
(801.0070)	HIDROSIEMBRA CON MEZCLA DE SEMILLAS HERBÁCEAS i/ PREPARACIÓN DE LA SUPERFICIE, ABONADO Y MANTENI-MIENTO.			
08.03.02.03	ud PLANTACIÓN DE PISTACIA LENTISCUS (LENTISCO, ENTINA O MATA CHARNECA)	885,00	4,38	3.876,30
(801.0260)	EJECUCIÓN DE PLANTACIÓN PISTACIA LENTISCUS (LENTIS-CO, ENTINA O MATA CHARNECA) DE 1/2 SAVIAS EN ALVE-OLO FORESTAL DE 300 cc, EXCAVACIÓN DE HOYO DE PLANTACIÓN DE 30 X 30 X 30 cm CON MEDIOS MANUA-LES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVA-CIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, CO-LOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ, ABONO MINE-RAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
08.03.02.04	ud PLANTACIÓN DE RETAMA MONOSPERMA (RETAMA BLANCA)	885,00	4,01	3.548,85
(801.0458_N)	EJECUCIÓN DE PLANTACIÓN DE RETAMA MONOSPERMA (RETA-MA BLANCA) DE 1/2 SAVIAS EN ALVEOLO FORESTAL DE 300 cc, EXCAVACIÓN DE HOYO DE PLANTACIÓN DE 30 X 30 X 30 cm CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCOR-QUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
08.03.02.05	ud PLANTACIÓN DE SPARTIUM JUNCEUM (RETAMA)	885,00	4,02	3.557,70
(801.0461_N)	EJECUCIÓN DE PLANTACIÓN SPARTIUM JUNCEUM (RETAMA) DE 1/2 SAVIAS EN ALVEOLO FORESTAL DE 300 cc, EXCAVACIÓN			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	DE HOYO DE PLANTACIÓN DE 30 X 30 X 30 cm CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
08.03.02.06	ud PLANTACIÓN DE RHAMNUS LYCIOIDES (ESPINO NEGRO)	443,00	4,07	1.803,01
(801.0462_N)	EJECUCIÓN DE PLANTACIÓN RHAMNUS LYCIOIDES (ESPINO NEGRO) DE 1/2 SAVIAS EN ALVEOLO FORESTAL DE 300 cc, EXCAVACIÓN DE HOYO DE PLANTACIÓN DE 30 X 30 X 30 cm CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
08.03.02.07	ud PLANTACIÓN DE GENISTA SCORPIUS	885,00	4,01	3.548,85
(801.0190_N)	EJECUCIÓN DE PLANTACIÓN GENISTA HIRSUTA (AULAGA O TOJO ALFILETERO) DE 1/2 SAVIAS EN ALVEOLO FORESTAL DE 300 cc, EXCAVACIÓN DE HOYO DE PLANTACIÓN DE 30 X 30 X 30 cm CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
08.03.02.08	ud PLANTACIÓN DE ANTHYLLIS CYTISOIDES (ALBAIDA)	443,00	4,09	1.811,87
(801.0459_N)	EJECUCIÓN DE PLANTACIÓN CISTUS ANTHYLLIS CYTISOIDES (ALBAIDA) DE 1/2 SAVIAS EN ALVEOLO FORESTAL DE 300 cc, EXCAVACIÓN DE HOYO DE PLANTACIÓN DE 30 X 30 X 30 cm CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
TOTAL 08.03.02				62.436,27

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
08.03.03	INSTALACIONES AUXILIARES			
08.03.03.01	m JALONAMIENTO TEMPORAL CON SOPORTES ANGULARES METÁLICOS	2147,00	0,60	1.288,20
(801.0030)	JALONAMIENTO TEMPORAL DE PROTECCIÓN FORMADO POR SOPORTES ANGULARES METÁLICOS DE 30 mm Y 1 m DE LONGITUD UNIDOS ENTRE SI MEDIANTE UNA CINTA DE SEÑALIZACIÓN DE OBRA Y COLOCADOS CADA 8 m.			
08.03.03.02	m³ TIERRA VEGETAL PROCEDENTE DE PRÉSTAMO	17244,90	6,75	116.403,08
(330.0010)	TIERRA VEGETAL PROCEDENTE DE PRÉSTAMO i/ CANON DE PRÉSTAMO, CARGA Y TRANSPORTE HASTA 5 KM AL LUGAR DE EMPLEO, FORMACIÓN DE ACOPIOS, ESCARIFICADO DE TALUDES, EXTENDIDO SOBRE TALUDES Y ZONAS A REVEGETAR Y PERFILADO.			
08.03.03.03	ud PLANTACIÓN DE THYMUS VULGARIS (TOMILLO)	3723,00	4,31	16.046,13
(801.0230)	EJECUCIÓN DE PLANTACIÓN THYMUS VULGARIS (TOMILLO) DE 1/2 SAVIAS EN ALVEOLO FORESTAL DE 300 cc, EXCAVACIÓN DE HOYO DE PLANTACIÓN DE 30 X 30 X 30 cm CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
08.03.03.04	ud PLANTACIÓN DE PISTACIA LENTISCUS (LENTISCO, ENTINA O MATA CHARNECA)	3723,00	4,38	16.306,74
(801.0260)	EJECUCIÓN DE PLANTACIÓN PISTACIA LENTISCUS (LENTISCO, ENTINA O MATA CHARNECA) DE 1/2 SAVIAS EN ALVEOLO FORESTAL DE 300 cc, EXCAVACIÓN DE HOYO DE PLANTACIÓN DE 30 X 30 X 30 cm CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
08.03.03.05	ud PLANTACIÓN DE RHAMNUS LYCIOIDES (ESPINO NEGRO)	3723,00	4,07	15.152,61
(801.0462_N)	EJECUCIÓN DE PLANTACIÓN RHAMNUS LYCIOIDES (ESPINO NEGRO) DE 1/2 SAVIAS EN ALVEOLO FORESTAL DE 300 cc, EXCAVACIÓN DE HOYO DE PLANTACIÓN DE 30 X 30 X 30 cm CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
PORTE Y DESCARGA DE LA PLANTA.				
08.03.03.06	ud PLANTACIÓN DE ERICA MULTIFLORA (BREZO)	2308,00	11,34	26.172,72
(801.0472_N)	EJECUCIÓN DE PLANTACIÓN ERICA MULTIFLORA (BREZO) DE 1/2 SAVIAS EN ALVEOLO FORESTAL DE 300 cc, EXCAVACIÓN DE HOYO DE PLANTACIÓN DE 30 X 30 X 30 cm CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
08.03.03.07	ud PLANTACIÓN DE PINUS HALEPENSIS (PINO CARRASCO, PINCARRASCO, PINO DE ALEPO O PINO DE JERUSALÉN)	1912,00	62,86	120.188,32
(801.0330)	EJECUCIÓN DE PLANTACIÓN PINUS HALEPENSIS (PINO CARRASCO, PINCARRASCO, PINO DE ALEPO O PINO DE JERUSALÉN) DE 200/250 cm DE ALTURA, EN CEPELLÓN ESCAYOLADO, EXCAVACIÓN DE HOYO DE PLANTACIÓN CON LAS DIMENSIONES NECESARIAS CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ SI FUERA NECESARIO, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
08.03.03.08	ud PLANTACIÓN DE ROSMARINUS OFFICINALIS POSTRATUS (ROMERO RASTRERO)	2308,00	4,02	9.278,16
(801.0467_N)	EJECUCIÓN DE PLANTACIÓN ROSMARINUS OFFICINALIS POSTRATUS (ROMERO RASTRERO) DE 1/2 SAVIAS EN ALVEOLO FORESTAL DE 300 cc, EXCAVACIÓN DE HOYO DE PLANTACIÓN DE 30 X 30 X 30 cm CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
08.03.03.09	ud PLANTACIÓN DE CERATONIA SILIQUA (Algarrobo)	1244,00	62,86	78.197,84
(801.0330_N)	EJECUCIÓN DE PLANTACIÓN PINUS HALEPENSIS (PINO CARRASCO, PINCARRASCO, PINO DE ALEPO O PINO DE JERUSALÉN) DE 200/250 cm DE ALTURA, EN CEPELLÓN ESCAYOLADO, EXCAVACIÓN DE HOYO DE PLANTACIÓN CON LAS DIMENSIONES NECESARIAS CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ SI FUERA NECESARIO, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
08.03.03.10	ud PLANTACIÓN DE OLEA EUROPAEA (OLIVO O ACEITUNO)	340,00	85,91	29.209,40
(801.0360)	EJECUCIÓN DE PLANTACIÓN OLEA EUROPAEA (OLIVO O ACEITUNO) DE 25-30 cm DE DIÁMETRO, EN CONTENEDOR, EXCAVACIÓN DE HOYO DE PLANTACIÓN CON LAS DIMENSIONES NECESARIAS CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ SI FUERA NECESARIO, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
08.03.03.11	ud PLANTACIÓN DE OLEA SYLVESTRIS DE 30/40 CT	3723,00	7,60	28.294,80
(801.0463_N)	EJECUCIÓN DE PLANTACIÓN RHAMNUS LYCIOIDES (ESPINO NEGRO) DE 1/2 SAVIAS EN ALVEOLO FORESTAL DE 300 cc, EXCAVACIÓN DE HOYO DE PLANTACIÓN DE 30 X 30 X 30 cm CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
TOTAL 08.03.03.....				456.538,00
08.03.04	BARRANCO TRAVESSAT			
08.03.04.01	m³ TIERRA VEGETAL PROCEDENTE DE PRÉSTAMO	2139,60	6,75	14.442,30
(330.0010)	TIERRA VEGETAL PROCEDENTE DE PRÉSTAMO i/ CANON DE PRÉSTAMO, CARGA Y TRANSPORTE HASTA 5 KM AL LUGAR DE EMPLEO, FORMACIÓN DE ACOPIOS, ESCARIFICADO DE TALUDES, EXTENDIDO SOBRE TALUDES Y ZONAS A REVEGETAR Y PERFILADO.			
08.03.04.02	ud PLANTACIÓN DE TAMARIX CANARIENSIS (TARAY)	381,00	4,34	1.653,54
(801.0466_N)	EJECUCIÓN DE PLANTACIÓN TAMARIX CANARIENSIS (TARAY) DE 1/2 SAVIAS EN ALVEOLO FORESTAL DE 300 cc, EXCAVACIÓN DE HOYO DE PLANTACIÓN DE 30 X 30 X 30 cm CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
08.03.04.03	ud PLANTACIÓN DE CRATAEGUS MONOGYNA (MAJUELO)	96,00	11,36	1.090,56
(801.0471_N)	EJECUCIÓN DE CRATAEGUS MONOGYNA (MAJUELO)DE 1/2 SA-			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	VIAS EN ALVEOLO FORESTAL DE 300 cc, EXCAVACIÓN DE HOYO DE PLANTACIÓN DE 30 X 30 X 30 cm CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
08.03.04.04	ud PLANTACIÓN DE NERIUM OLEANDER (ADELFA)	476,00	11,34	5.397,84
(801.0484_N)	EJECUCIÓN DE NERIUM OLEANDER (ADELFA) DE 1/2 SAVIAS EN ALVEOLO FORESTAL DE 300 cc, EXCAVACIÓN DE HOYO DE PLANTACIÓN DE 30 X 30 X 30 cm CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
08.03.04.05	m² DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS	2000,00	0,57	1.140,00
(300.0010)	DESPEJE Y DESBROCE DEL TERRENO POR MEDIOS MECÁNICOS i/ DESTOCONADO, ARRANQUE, CARGA Y TRANSPORTE A VERTEDERO O GESTOR AUTORIZADO DE AQUELLOS RESTOS QUE SEA NECESARIO, HASTA UNA DISTANCIA DE 60 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
08.03.04.06	m³ EXCAVACIÓN EN DESMONTE EN TIERRA CON MEDIOS MECÁNICOS SIN EXPLOSIVOS	1000,00	2,37	2.370,00
(320.0020)	EXCAVACIÓN EN DESMONTE EN TIERRA CON MEDIOS MECÁNICOS (TIPO EXCAVADORA O SIMILAR) SIN EXPLOSIVOS i/ AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, FORMACIÓN, Y PERFILADO DE CUNETAS, REFINO DE TALUDES, CARGA Y TRANSPORTE A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
08.03.04.07	ud PLANTACIÓN DE PINUS HALEPENSIS (PINO CARRASCO, PINCARRASCO, PINO DE ALEPO O PINO DE JERUSALÉN)	190,00	62,86	11.943,40
(801.0330)	EJECUCIÓN DE PLANTACIÓN PINUS HALEPENSIS (PINO CARRASCO, PINCARRASCO, PINO DE ALEPO O PINO DE JERUSALÉN) DE 200/250 cm DE ALTURA, EN CEPELLÓN ESCAYOLADO, EXCAVACIÓN DE HOYO DE PLANTACIÓN CON LAS DIMENSIONES NECESARIAS CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ SI FUERA NECESARIO, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
08.03.04.08	t GESTIÓN DE RESIDUOS DE ARUNDO DONAX	297,00	20,39	6.055,83
(801.0482N)	CARGA Y TRANSPORTE DE RESIDUOS PROCEDENTES DEL DESBROCE DE LA PARTE AÉREA DE ARUNDO DONAX Y DE LA EXCAVACIÓN DE TIERRAS MEZCLADAS CON RIZOMA A PLANTA DE VALORIZACIÓN AUTORIZADA POR TRANSPORTISTA AUTORIZADO (POR CONSEJERÍA DE MEDIO AMBIENTE), A UNA DISTANCIA DE 20 KM., CONSIDERANDO IDA Y VUELTA, EN CAMIONES DE HASTA 16 T. DE PESO, CARGADOS CON PALA CARGADORA, INCLUSO CANON DE ENTRADA A PLANTA, SIN MEDIDAS DE PROTECCIÓN COLECTIVAS.			
08.03.04.09	m³ EXTENSIÓN DE TIERRA VEGETAL DE LA PROPIA OBRA EN SUPERFICIES HORIZONTALES	710,40	1,10	781,44
(801.0050)	ACOPIO, MANTENIMIENTO, CARGA, TRANSPORTE Y EXTENSIÓN DE TIERRA VEGETAL DE LA PROPIA OBRA, EN SUPERFICIES HORIZONTALES.			
TOTAL 08.03.04.....				44.874,91
08.03.05	ZONAS LIBRES ENTRE ENLACES			
08.03.05.01	m³ EXTENSIÓN DE TIERRA VEGETAL DE LA PROPIA OBRA EN SUPERFICIES HORIZONTALES	6453,90	1,10	7.099,29
(801.0050)	ACOPIO, MANTENIMIENTO, CARGA, TRANSPORTE Y EXTENSIÓN DE TIERRA VEGETAL DE LA PROPIA OBRA, EN SUPERFICIES HORIZONTALES.			
08.03.05.02	ud PLANTACIÓN DE PISTACIA LENTISCUS (LENTISCO, ENTINA O MATA CHARNECA)	753,00	4,38	3.298,14
(801.0260)	EJECUCIÓN DE PLANTACIÓN PISTACIA LENTISCUS (LENTISCO, ENTINA O MATA CHARNECA) DE 1/2 SAVIAS EN ALVEOLO FORESTAL DE 300 cc, EXCAVACIÓN DE HOYO DE PLANTACIÓN DE 30 X 30 X 30 cm CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
08.03.05.03	ud PLANTACIÓN DE RHAMNUS LYCIOIDES (ESPINO NEGRO)	753,00	4,07	3.064,71
(801.0462_N)	EJECUCIÓN DE PLANTACIÓN RHAMNUS LYCIOIDES (ESPINO NEGRO) DE 1/2 SAVIAS EN ALVEOLO FORESTAL DE 300 cc, EXCAVACIÓN DE HOYO DE PLANTACIÓN DE 30 X 30 X 30 cm CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANS-			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
PORTE Y DESCARGA DE LA PLANTA.				
08.03.05.04	ud PLANTACIÓN DE OLEA SYLVESTRIS DE 30/40 CT	377,00	7,60	2.865,20
(801.0463_N)	EJECUCIÓN DE PLANTACIÓN RHAMNUS LYCIOIDES (ESPINO NEGRO) DE 1/2 SAVIAS EN ALVEOLO FORESTAL DE 300 cc, EXCAVACIÓN DE HOYO DE PLANTACIÓN DE 30 X 30 X 30 cm CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
08.03.05.05	ud PLANTACIÓN DE ERICA MULTIFLORA (BREZO)	753,00	11,34	8.539,02
(801.0472_N)	EJECUCIÓN DE PLANTACIÓN ERICA MULTIFLORA (BREZO) DE 1/2 SAVIAS EN ALVEOLO FORESTAL DE 300 cc, EXCAVACIÓN DE HOYO DE PLANTACIÓN DE 30 X 30 X 30 cm CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
08.03.05.06	ud PLANTACIÓN DE CERATONIA SILIQUA (Algarrobo)	151,00	62,86	9.491,86
(801.0330_N)	EJECUCIÓN DE PLANTACIÓN PINUS HALEPENSIS (PINO CARRASCO, PINCARRASCO, PINO DE ALEPO O PINO DE JERUSALÉN) DE 200/250 cm DE ALTURA, EN CEPELLÓN ESCAYOLADO, EXCAVACIÓN DE HOYO DE PLANTACIÓN CON LAS DIMENSIONES NECESARIAS CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ SI FUERA NECESARIO, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
08.03.05.07	ud PLANTACIÓN DE PINUS HALEPENSIS (PINO CARRASCO, PINCARRASCO, PINO DE ALEPO O PINO DE JERUSALÉN)	452,00	62,86	28.412,72
(801.0330)	EJECUCIÓN DE PLANTACIÓN PINUS HALEPENSIS (PINO CARRASCO, PINCARRASCO, PINO DE ALEPO O PINO DE JERUSALÉN) DE 200/250 cm DE ALTURA, EN CEPELLÓN ESCAYOLADO, EXCAVACIÓN DE HOYO DE PLANTACIÓN CON LAS DIMENSIONES NECESARIAS CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ SI FUERA NECESARIO, ABONO MINERAL Y PRIMER RIEGO DE PLAN-			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
TACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.				
08.03.05.08	ud PLANTACIÓN DE OLEA EUROPAEA (OLIVO O ACEITUNO)	151,00	85,91	12.972,41
(801.0360)	EJECUCIÓN DE PLANTACIÓN OLEA EUROPAEA (OLIVO O ACEITUNO) DE 25-30 cm DE DIÁMETRO, EN CONTENEDOR, EXCAVACIÓN DE HOYO DE PLANTACIÓN CON LAS DIMENSIONES NECESARIAS CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ SI FUERA NECESARIO, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
08.03.05.09	ud PLANTACIÓN DE CHAMAEROPS HUMILIS (PALMITO)	1345,00	12,55	16.879,75
(801.0473_N)	EJECUCIÓN DE PLANTACIÓN DE CHAMAEROPS HUMILIS (PALMITO)DE 1/2 SAVIAS EN ALVEOLO FORESTAL DE 300 cc, EXCAVACIÓN DE HOYO DE PLANTACIÓN DE 30 X 30 X 30 cm CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
08.03.05.10	ud PLANTACIÓN DE QUERCUS COCCIFERA 40/60 cm ct	753,00	6,54	4.924,62
(801.0260_N)	EJECUCIÓN DE PLANTACIÓN PISTACIA LENTISCUS (LENTISCO, ENTINA O MATA CHARNECA) DE 1/2 SAVIAS EN ALVEOLO FORESTAL DE 300 cc, EXCAVACIÓN DE HOYO DE PLANTACIÓN DE 30 X 30 X 30 cm CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
TOTAL 08.03.05				97.547,72
08.03.06	ESTRUCTURAS ADAPTADAS PARA FAUNA			
08.03.06.01	m³ EXTENSIÓN DE TIERRA VEGETAL DE LA PROPIA OBRA EN SUPERFICIES HORIZONTALES	240,00	1,10	264,00
(801.0050)	ACOPIO, MANTENIMIENTO, CARGA, TRANSPORTE Y EXTENSIÓN DE TIERRA VEGETAL DE LA PROPIA OBRA, EN SUPERFICIES HORIZONTALES.			
08.03.06.02	ud PLANTACIÓN DE NERIUM OLEANDER (ADELFA)	120,00	11,34	1.360,80
(801.0484_N)	EJECUCIÓN DE NERIUM OLEANDER (ADELFA) DE 1/2 SAVIAS EN ALVEOLO FORESTAL DE 300 cc, EXCAVACIÓN DE HOYO DE			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	PLANTACIÓN DE 30 X 30 X 30 cm CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
08.03.06.03	ud PLANTACIÓN DE PISTACIA LENTISCUS (LENTISCO, ENTINA O MATA CHARNECA)	80,00	4,38	350,40
(801.0260)	EJECUCIÓN DE PLANTACIÓN PISTACIA LENTISCUS (LENTISCO, ENTINA O MATA CHARNECA) DE 1/2 SAVIAS EN ALVEOLO FORESTAL DE 300 cc, EXCAVACIÓN DE HOYO DE PLANTACIÓN DE 30 X 30 X 30 cm CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
TOTAL 08.03.06				1.975,20
08.03.07	ZONA ENTRE PLATAFORMA VIARIA			
08.03.07.01	ud PLANTACIÓN DE PINUS HALEPENSIS (PINO CARRASCO, PINCARRASCO, PINO DE ALEPO O PINO DE JERUSALÉN)	220,00	62,86	13.829,20
(801.0330)	EJECUCIÓN DE PLANTACIÓN PINUS HALEPENSIS (PINO CARRASCO, PINCARRASCO, PINO DE ALEPO O PINO DE JERUSALÉN) DE 200/250 cm DE ALTURA, EN CEPELLÓN ESCAYOLADO, EXCAVACIÓN DE HOYO DE PLANTACIÓN CON LAS DIMENSIONES NECESARIAS CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ SI FUERA NECESARIO, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
08.03.07.02	m³ TIERRA VEGETAL PROCEDENTE DE PRÉSTAMO	1650,00	6,75	11.137,50
(330.0010)	TIERRA VEGETAL PROCEDENTE DE PRÉSTAMO i/ CANON DE PRÉSTAMO, CARGA Y TRANSPORTE HASTA 5 KM AL LUGAR DE EMPLEO, FORMACIÓN DE ACOPIOS, ESCARIFICADO DE TALUDES, EXTENDIDO SOBRE TALUDES Y ZONAS A REVEGETAR Y PERFILADO.			
TOTAL 08.03.07				24.966,70

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
08.03.08	MURO VERDE PANTALLA			
08.03.08.01	m³ EXTENSIÓN DE TIERRA VEGETAL DE LA PROPIA OBRA EN SUPERFICIES HORIZONTALES	536,40	1,10	590,04
(801.0050)	ACOPIO, MANTENIMIENTO, CARGA, TRANSPORTE Y EXTENSIÓN DE TIERRA VEGETAL DE LA PROPIA OBRA, EN SUPERFICIES HORIZONTALES.			
08.03.08.02	ud PLANTACIÓN DE HEDERA HELIX	3576,00	4,01	14.339,76
(801.0300_N)	EJECUCIÓN DE PLANTACIÓN CYTISUS GRANDIFLORUS (ESCOBÓN) DE 1/2 SAVIAS EN ALVEOLO FORESTAL DE 300 cc, EXCAVACIÓN DE HOYO DE PLANTACIÓN DE 30 X 30 X 30 cm CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL i/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
TOTAL 08.03.08				14.929,80
08.03.09	RIEGO VEGETACION			
08.03.09.01	ud RIEGO DE ARBUSTOS	45025,01	1,86	83.746,52
(801.0380)	RIEGO DE ARBUSTOS MEDIANTE CAMIÓN CISTERNA 8000 l i/ CARGA Y TRANSPORTE DESDE PUNTO DE ABASTECIMIENTO HASTA EL LUGAR DE USO.			
08.03.09.02	ud RIEGO DE ÁRBOLES	4570,00	2,31	10.556,70
(801.0370)	RIEGO DE ÁRBOLES MEDIANTE CAMIÓN CISTERNA 8000 l i/ CARGA Y TRANSPORTE DESDE PUNTO DE ABASTECIMIENTO HASTA EL LUGAR DE USO.			
TOTAL 08.03.09				94.303,22
08.03.10	GLORIETA			
08.03.10.01	m³ EXTENSIÓN DE TIERRA VEGETAL DE LA PROPIA OBRA EN SUPERFICIES HORIZONTALES	358,50	1,10	394,35
(801.0050)	ACOPIO, MANTENIMIENTO, CARGA, TRANSPORTE Y EXTENSIÓN DE TIERRA VEGETAL DE LA PROPIA OBRA, EN SUPERFICIES HORIZONTALES.			
08.03.10.02	ud PLANTACIÓN DE OLEA EUROPAEA (OLIVO O ACEITUNO)	12,00	85,91	1.030,92
(801.0360)	EJECUCIÓN DE PLANTACIÓN OLEA EUROPAEA (OLIVO O ACEITUNO) DE 25-30 cm DE DIÁMETRO, EN CONTENE-			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	DOR, EXCAVACIÓN DE HOYO DE PLANTACIÓN CON LAS DIMENSIONES NECESARIAS CON MEDIOS MANUALES Y RELLENO DEL HOYO CON TIERRA DE LA EXCAVACIÓN Y TIERRA VEGETAL I/ FORMACIÓN ALCORQUE, COLOCACIÓN DE TUTOR DE CAÑA DE BAMBÚ SI FUERA NECESARIO, ABONO MINERAL Y PRIMER RIEGO DE PLANTACIÓN, SUMINISTRO, TRANSPORTE Y DESCARGA DE LA PLANTA.			
TOTAL 08.03.10				1.425,27
08.03.11	MOBILIARIO EXISTENTE			
08.03.11.01	ud RETIRADA, ALMACENAMIENTO Y RECOLOCACIÓN ELEMENTO DECORATIVO	22,00	44,19	972,18
(915.0030_N)	RETIRADA, ALMACENAMIENTO Y RECOLOCACIÓN DE ELEMENTO DECORATIVO, INCLUSO TRANSPORTE DE IDA Y VUELVA A LUGAR DE ACOPIO, FORMACIÓN BASE DE CIMENTACIÓN Y ANCLAJE EN NUEVA UBICACIÓN. TOTALMENTE COLOCADO			
TOTAL 08.03.11				972,18
TOTAL 08.03.....				870.850,70
08.04	PROTECCIÓN PATRIMONIO CULTURAL			
08.04.01	m JALONAMIENTO TEMPORAL CON SOPORTES ANGULARES METÁLICOS	400,00	0,60	240,00
(801.0030)	JALONAMIENTO TEMPORAL DE PROTECCIÓN FORMADO POR SOPORTES ANGULARES METÁLICOS DE 30 mm Y 1 m DE LONGITUD UNIDOS ENTRE SI MEDIANTE UNA CINTA DE SEÑALIZACIÓN DE OBRA Y COLOCADOS CADA 8 m.			
08.04.02	ud SEÑAL TRIANGULAR DE 135 cm DE LADO Y RETRORREFLECTANCIA DE CLASE RA2	2,00	234,67	469,34
(701.0040)	SEÑAL TRIANGULAR DE 135 CM DE LADO, RETRORREFLECTANTE DE CLASE RA2, COLOCADA SOBRE POSTE GALVANIZADO, FIJADO A TIERRA MEDIANTE HORMIGONADO I/ TORNILLERÍA Y ELEMENTOS DE FIJACIÓN Y TRANSPORTE A LUGAR DE EMPLEO.			
08.04.03	ud Prospección arqueológica intensiva entorno yacimientos arqueológicos	1,00	3.531,07	3.531,07
(801.0390_N)	PROSPECCIÓN ARQUEOLÓGICA INTENSIVA ANTES DEL INICIO DE LAS OBRAS MEDIANTE LA PRESENCIA DIRECTA DE ARQUEÓLOGO EXPRESAMENTE AUTORIZADO A PIE DE OBRA, INCLUYE LA EMISIÓN DE INFORMES.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
08.04.04	Ha PROSPECCION ARQUEOLÓGICA	1080,00	38,26	41.320,80
(801.0390)	PROSPECCIÓN ARQUEOLÓGICA SUPERFICIAL MEDIANTE LA PRESENCIA DIRECTA DE ARQUEÓLOGO EXPRESAMENTE AUTORIZADO A PIE DE OBRA PREVIA A LA REALIZACIÓN DE LOS MOVIMIENTOS DE TIERRAS, INCLUYE LA EMISIÓN DE INFORMES.			
TOTAL 08.04.....				45.561,21
TOTAL 08.....				12.256.108,16

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO: ENLACE CV-35 - ENLACE V-30					
CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE	
09	SISTEMA INTELIGENTE DE TRANSPORTE				
09.01	CANALIZACIÓN RED ITS				
09.01.01	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	2923,17	6,70	19.585,24	
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.				
09.01.02	m³ HORMIGÓN C20/25	2184,68	86,69	189.389,91	
(610.0020)	HORMIGÓN C20/25 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.				
09.01.03	m SUMINISTRO Y MONTAJE DE CINTA SEÑALIZADORA DE CABLEADO ELÉCTRICO	7217,70	0,52	3.753,20	
(1105.0118)	SUMINISTRO Y MONTAJE DE CINTA PARA SEÑALIZACIÓN DE CANALIZACIONES ELÉCTRICAS EN ZANJA SUBTERRÁNEA, DE ACUERDO CON LA NORMATIVA VIGENTE.				
09.01.04	m TUBO PVC DE 110 MM DE DIÁMETRO	27496,00	15,43	424.263,28	
(980.3091_N)	TUBO CORRUGADO DE PVC DE DOBLE PARED DE DIÁMETRO 110 MM. PARA PROTECCIÓN DE CABLES EN INSTALACIONES ELÉCTRICAS SUBTERRÁNEAS, GRADO DE PROTECCIÓN 9.				
09.01.05	m TUBO PEAD TRITUBO 50 MM	7217,70	14,69	106.028,01	
(980.3092_N)	TRITUBO DE POLIETILENO DE ALTA DENSIDAD (PEAD) DE 3X50 MM DE DIÁMETRO Y 3 MM DE ESPESOR, FORMADO POR TRES TUBOS IGUALES, UNIDOS ENTRE SÍ POR MEDIO DE UNA MEMBRANA Y DISPUESTOS PARALELAMENTE EN UN MISMO PLANO.				
09.01.06	ud ARQUETA DE PASO RED ITS	16,00	266,43	4.262,88	
(901.1003_N)	ARQUETA 60X60X75 CM PREFABRICADA DE PASO DE LA RED DE ITS, CON VENTANAS PARA ENTRADA DE CONDUCTOS, INCLUSO TAPA Y MARCO, EXCAVACIÓN DE ZANJA, 10 CM. DE HORMIGÓN DE LIMPIEZA HM-20, EMBOCADURA DE CONDUCTOS, RELLENO DE TIERRAS LATERALMENTE Y TRANSPORTE DE SOBRANTES A VERTEDERO.				
09.01.07	t MBC TIPO AC16 SURF S, EXCEPTO BETÚN Y POLVO MINERAL	2041,58	30,61	62.492,76	
(542.0010)	MEZCLA BITUMINOSA EN CALIENTE TIPO AC16 SURF S, EXCEPTO BETÚN Y POLVO MINERAL, TOTALMENTE EXTENDIDA Y				
RD6373-F3-PR-LE-D04					
					80

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PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
10	OBRAS COMPLEMENTARIAS			
10.01	m CERRAMIENTO COMPUESTO POR POSTES METÁLICOS Y MALLA DE ACERO GALVANIZADO SIMPLE TORSIÓN	6455,00	19,97	128.906,35
(915.0010)	CERRAMIENTO DE 2 M DE ALTURA COMPUESTO POR POSTES METÁLICOS CADA 4 M, ARRIOSTRAMIENTO CADA 40 M Y MALLA DE ACERO GALVANIZADO ANUDADA CON DISTANCIA ENTRE LOS HILOS VERTICALES DE 15 CM Y DISTANCIA ENTRE LOS HORIZONTALES CON AUMENTO PROGRESIVO DESDE 5-15 CM EN LA PARTE INFERIOR HASTA 15- 20 CM EN LA SUPERIOR, CON MALLA DE ACERO GALVANIZA DE REFUERZO TRIPLE TORSIÓN DE 1 M PARA PEQUEÑOS VERTEBRADOS ADOSADA EN LA BASE, ENTERRADAS 20 CM i/ PARTE PROPORCIONAL DE CIMIENTOS, TOTALMENTE COLOCADO. EXCEPTO PUERTAS			
10.02	ud PUERTA DE DOS HOJAS, FORMADA POR PERFILES DE ACERO GALVANIZADO Y MALLA DE TRIPLE TORSIÓN	2,00	358,55	717,10
(915.0025)	PUERTA DE DOS HOJAS, FORMADA POR PERFILES DE ACERO GALVANIZADO Y MALLA DE TRIPLE TORSIÓN			
10.03	ud HITO DE EXPROPIACIÓN LISO PREFABRICADO DE HORMIGÓN BASE 20x20 Y ALTURA 1,15 m	500,00	38,35	19.175,00
(915.0030)	HITO DE EXPROPIACIÓN LISO PREFABRICADO EN HORMIGÓN BLANCO DE DIMENSIONES 1,15 M DE ALTURA, 20X20 CM EN LA BASE INFERIOR, 15X15 CM EN EL EXTREMO SUPERIOR, ACABADO EN PUNTA PIRAMIDAL CON INSCRIPCIÓN DEL ENTE AL QUE PERTENECE, 80 KG DE PESO, CON 4 VARILLAS DE ACERO CORRUGADO B 500 S DE 8 MM DE DIÁMETRO Y 1,30 M DE LARGO, ASOMANDO POR LA BASE INFERIOR 20 CM APROXIMADAMENTE, PARA POSTERIOR HORMIGONADO EN HOYO, INCLUSO EXCAVACIÓN DE HOYO Y CIMENTACIÓN DE HORMIGÓN HM-15, TOTALMENTE COLOCADO.			
10.04	ud ESTACION DE AFORO PARA TRES CARRILES, FORMADO POR CAPTADORES DE BUCLE DE INDUCCION MAGNETICA DE CABLE DE COBRE Y CUBIERTA DE PRO	4,00	8.947,70	35.790,80
(703.0110_N)	ESTACION DE AFORO PARA TRES CARRILES, FORMADO POR CAPTADORES DE BUCLE DE INDUCCION MAGNETICA DE CABLE DE COBRE Y CUBIERTA DE PROTECCION, CASETA ARMARIO DE CHAPA GALVANIZADA SOBRE BASAMENTO DE HORMIGON, EQUIPO ADR 1000 PLUS Y EQUIPO DE TELEMETRIA, TOTALMENTE INSTALADO.			
TOTAL 10.....				184.589,25

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11	REPOSICIÓN DE SERVIDUMBRES Y SERVICIOS			
11.01	E-REDES			
11.01.01	ERED-B.01			
11.01.01.01	ud LOCALIZACION REDES EXISTENTES	3,00	47,36	142,08
(910.0125_N)	LOCALIZACIÓN DE SERVICIOS, MEDIANTE EXCAVACIÓN POR MEDIOS MECANICOS O MANUALES, INCLUYENDO EL POSTERIOR RELLENO CON LAS TIERRAS PROCEDENTES DE LA PROPIA EXCAVACIÓN, TOTALMENTE TERMINADO.			
11.01.01.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	59,06	6,70	395,70
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEOS DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
11.01.01.03	m² ENCOFRADO VISTO PLANO	46,80	33,91	1.586,99
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHIHEMBRA I/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
11.01.01.04	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	1400,00	1,81	2.534,00
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
11.01.01.05	m³ HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	19,69	104,31	2.053,86
(610.0050)	HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
11.01.01.06	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA	35,44	3,47	122,98
(332.0040)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
TOTAL 11.01.01				6.835,61

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.01.02	ERED-B.02			
11.01.02.01	ud LOCALIZACION REDES EXISTENTES	1,00	47,36	47,36
(910.0125_N)	LOCALIZACIÓN DE SERVICIOS, MEDIANTE EXCAVACIÓN POR MEDIOS MECANICOS O MANUALES, INCLUYENDO EL POSTERIOR RELLENO CON LAS TIERRAS PROCEDENTES DE LA PROPIA EXCAVACIÓN, TOTALMENTE TERMINADO.			
11.01.02.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	27,56	6,70	184,65
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEOS DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
11.01.02.03	m² ENCOFRADO VISTO PLANO	21,60	33,91	732,46
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHICHEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
11.01.02.04	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	700,00	1,81	1.267,00
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
11.01.02.05	m³ HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	9,19	104,31	958,61
(610.0050)	HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
11.01.02.06	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA	16,54	3,47	57,39
(332.0040)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
TOTAL 11.01.02				3.247,47

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.01.03	ERED-B.03			
11.01.03.01	ud LOCALIZACION REDES EXISTENTES	1,00	47,36	47,36
(910.0125_N)	LOCALIZACIÓN DE SERVICIOS, MEDIANTE EXCAVACIÓN POR MEDIOS MECANICOS O MANUALES, INCLUYENDO EL POSTERIOR RELLENO CON LAS TIERRAS PROCEDENTES DE LA PROPIA EXCAVACIÓN, TOTALMENTE TERMINADO.			
11.01.03.02	m DESMONTAJE CANALIZACIÓN	86,10	14,78	1.272,56
(920.0075_N)	DESMONTAJE DE CANALIZACIÓN EXISTENTE Y QUE QUEDARÁ FUERA DE SERVICIO AL REALIZARSE EL DESVÍO. INCLUIDO CARGA Y TRANSPORTE DE SOBANTES A VERTEDERO.			
11.01.03.03	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	51,59	6,70	345,65
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEOS DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
11.01.03.04	m3 HORMIGÓN MAGRO EN BASE DE FIRME	14,07	88,50	1.245,28
(551.0010)	HORMIGÓN MAGRO VIBRADO EN BASE DE FIRME, COMPLETAMENTE TERMINADO i/ CURADO			
11.01.03.05	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA	18,76	3,47	65,10
(332.0040)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
11.01.03.06	m³ HORMIGÓN C12/C15 EN REGULARIZACIÓN, LIMPIEZA Y RELLENOS EN TÚNELES Y OBRAS SUBTERRÁNEAS	14,07	65,99	928,48
(804.0010)	HORMIGÓN C12/15 EN REGULARIZACIÓN, LIMPIEZA Y RELLENOS EN TÚNELES Y OBRAS SUBTERRÁNEAS.			
11.01.03.07	t MEZCLA BITUMINOSA EN FRÍO, TIPO AF25, CON ÁRIDO ESPECIAL PARA RODADURA, EXCEPTO LIGANTE	11,26	23,73	267,20
(541.0080)	MEZCLA BITUMINOSA EN FRÍO, TIPO AF25, CON ÁRIDO ESPECIAL PARA RODADURA, EXCEPTO LIGANTE			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.01.03.08	m SUMINISTRO Y MONTAJE DE CINTA SEÑALIZADORA DE CABLEADO ELÉCTRICO	90,20	0,52	46,90
(1105.0118)	SUMINISTRO Y MONTAJE DE CINTA PARA SEÑALIZACIÓN DE CANALI- ZACIONES ELÉCTRICAS EN ZANJA SUBTERRÁNEA, DE ACUERDO CON LA NORMATIVA VIGENTE.			
11.01.03.09		164,00	12,43	2.038,52
(1105.0113_N)	SUMINISTRO Y MONTAJE DE TUBO DE PVC DE DIÁMETRO 160 MM SO- BRE CAMA DE ARENA DE 10 CM DE ESPESOR, RELLENO CON ARENA HASTA 25 CM POR ENCIMA DEL TUBO CON P.P DE MEDIOS AUXILIA- RES. COMPLETAMENTE COLOCADO.			
11.01.03.10	m TUBO PEAD TRITUBO 50 MM	82,00	14,69	1.204,58
(980.3092_N)	TRITUBO DE POLIETILENO DE ALTA DENSIDAD (PEAD) DE 3X50 MM DE DIÁMETRO Y 3 MM DE ESPESOR, FORMADO POR TRES TUBOS IGUA- LES, UNIDOS ENTRE SÍ POR MEDIO DE UNA MEMBRANA Y DISPUESTOS PARALELAMENTE EN UN MISMO PLANO.			
11.01.03.11	m SUMINISTRO Y MONTAJE DE CABLE RZ1-K(AS) 0,6/1 KV. SECCIÓN 1X240 MM2	180,40	39,37	7.102,35
(1105.0043)	SUMINISTRO Y MONATJE DE CABLE, DENOMINACIÓN TÉCNICA RZ1-K (AS)0,6/1 KV NORMA CONSTRUCTIVA Y DE ENSAYOS UNE 211025, CON CONDUCTOR DE COBRE CLASE 5 (UNE-EN 60228), POLIETILENO RETICULADO (XLPE) SEGÚN UNE 21123 Y CUBIERTA POLIOLEFINA TER- MOPLÁSTICA SEGÚN UNE 21123 , SECCIÓN 1X240 MM2, CUBIERTA EX- TERIOR LIBRE DE HALÓGENOS, NO PROPAGADOR DE LA LLAMA (UNE-EN 60332-1-2), NO PROPAGADOR DEL INCENDIO (UNE-EN 50399), BAJO CONTENIDO HALÓGENOS (UNE-EN 60754), BAJA EMI- SIÓN DE HUMOS OPACOS (UNE-EN 61034-2), BAJA EMISIÓN DE GA- SES CORROSIVOS (UNE-EN 50267). TEMPERATURA MÁXIMA DEL CON- DUCTOR 90° C. ENSAYO DE TENSIÓN ALTERNA DURANTE 5 MINUTOS: 3500 V. INCLUSO PARTE PROPORCIONAL DE EMPALMES, TERMINALES, CONEXIONES, ETIQUETADO Y MATERIAL AUXILIAR NECESARIO PARA SU INSTALACIÓN. INSTALADO DE ACUERDO CON LAS NORMAS DE INSTALACIÓN, INSTRUCCIONES DEL FABRICANTE Y CONFORME A LAS REGLAS PROFESIONALES. CORRECTAMENTE CONEXIONADO. CUMPLE EL REGLAMENTO EUROPEO DE PRODUCTOS DE CONSTRUCCIÓN (UE) Nº 305/2011. CUMPLE CON LA APLICACIÓN AL REBT/2002 DEL REGLA- MENTO DELEGADO 2016/364 DE LA UE, LOS CABLES SON DE LA REAC- CIÓN AL FUEGO MÍNIMA CCA-S1B,D1,A1.) EN 50575			
11.01.03.12	ud LEGALIZACIÓN, PROYECTO Y LICENCIAS LINEA DE ALTA TENSIÓN.	1,00	4.240,00	4.240,00
(920.0220_N)	REDACCIÓN DEL PROYECTO O PROYECTOS ELÉCTRICOS NECE- SARIOS PARA LA LEGALIZACIÓN DE LAS INSTALACIONES DE AL- TA TENSIÓN ANTE LOS ORGANISMOS OFICIALES, Y A NOMBRE DE LA COMPAÑÍA TITULAR. INCLUIDOS CERTIFICADOS, CERTIFI- CADOS OCA, VISADOS, LICENCIAS Y PERMISOS, TANTO DE PAR- TICULARES COMO DE ORGANISMOS OFICIALES AFECTADOS. SIEMPRE CONFORME A LAS PRESCRIPCIONES DE LA COMPAÑÍA			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
TITULAR.				
TOTAL 11.01.03.....				18.803,98
11.01.04	ERED-B.04			
11.01.04.01	ud LOCALIZACION REDES EXISTENTES	1,00	47,36	47,36
(910.0125_N)	LOCALIZACIÓN DE SERVICIOS, MEDIANTE EXCAVACIÓN POR MEDIOS MECANICOS O MANUALES, INCLUYENDO EL POSTE- RIOR RELLENO CON LAS TIERRAS PROCEDENTES DE LA PROPIA EXCAVACIÓN, TOTALMENTE TERMINADO.			
11.01.04.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	15,75	6,70	105,53
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSI- TO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA AN- CHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO I/ ENTIBACIÓN, AGOTAMIEN- TO Y DRENAJE DURANTE LA EJECUCIÓN, SANEOS DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
11.01.04.03	m² ENCOFRADO VISTO PLANO	12,60	33,91	427,27
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRA- DO, EJECUTADO CON MADERA MACHIHEMBRAIDA I/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PA- RA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
11.01.04.04	m³ HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	5,25	104,31	547,63
(610.0050)	HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRI- BOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MU- ROS Y MARCOS.			
11.01.04.05	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	300,00	1,81	543,00
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, I/ CORTE Y DO- BLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RE- COCIDO Y SEPARADORES.			
11.01.04.06	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA	9,45	3,47	32,79
(332.0040)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATE- RIAL PROCEDENTE DE LA TRAZA I/ EXTENDIDO, HUMECTACIÓN, COM- PACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORO- NACIÓN Y REFINO DE TALUDES (EN SU CASO).			
TOTAL 11.01.04.....				1.703,58

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
TOTAL 11.01				30.590,64
11.02	TELEFÓNICA			
11.02.01	TEL-B.01			
11.02.01.01	ud LOCALIZACION REDES EXISTENTES	1,00	47,36	47,36
(910.0125_N)	LOCALIZACIÓN DE SERVICIOS, MEDIANTE EXCAVACIÓN POR MEDIOS MECANICOS O MANUALES, INCLUYENDO EL POSTERIOR RELLENO CON LAS TIERRAS PROCEDENTES DE LA PROPIA EXCAVACIÓN, TOTALMENTE TERMINADO.			
11.02.01.02	m DESMONTAJE CANALIZACIÓN FIBRA ÓPTICA	511,35	5,44	2.781,74
(930.1001_N)	DESMONTAJE DE LA CANALIZACIÓN DE FIBRA ÓPTICA EXISTENTE, INCLUIDO EL DESMONTAJE DEL CABLE DE FIBRA ÓPTICA EXISTENTE EN EL INTERIOR DE LA CANALIZACIÓN.			
11.02.01.03	ud DEMOLICIÓN DE ARQUETAS	1,00	16,05	16,05
(930.1005_N)	DEMOLICIÓN DE ARQUETAS			
11.02.01.04	m² EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	291,77	6,70	1.954,86
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
11.02.01.05	m³ HORMIGÓN C20/25	157,11	86,69	13.619,87
(610.0020)	HORMIGÓN C20/25 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.			
11.02.01.06	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA	134,66	3,47	467,27
(332.0040)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
11.02.01.07	m TUBO DE PVC DE DIÁMETRO 110 MM	2850,00	7,11	20.263,50
(417.0020_N)	TUBO DE PVC DE DIÁMETRO 110mm . SIN INCLUIR EXCAVACIÓN.			
RD6373-F3-PR-LE-D04				84

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.02.01.08	ud ARQUETA TELEFÓNICA PREFABRICADA TIPO D-II CON TAPA	1,00	703,15	703,15
(910.1095_N)				
11.02.01.09	m CABLE DE TELEFONÍA	2850,00	68,38	194.883,00
(920.1002_N)	CABLE DE TELEFONÍA A REPONER, DE LAS MISMAS CARACTERÍSTICAS QUE EL EXISTENTE, INCLUSO COLOCACIÓN, SEGUN NORMAS PARTICULARES COMPAÑIA TELEFONICA.			
11.02.01.10	ud REDUCCIÓN 50% TEL-B.01	1,00	-124.317,62	-124.317,62
(110.1095_N)	Reducción del 50% del importe de las reposiciones titularidad de TELEFONICA en virtud de lo dispuesto en el Decreto 13 de mayo 1954 y las Normas Complementarias aprobadas con fecha del 13 junio 1958, a las que se da continuidad s/ O.C nº276/79 S.G de 1979, sobre relaciones de la compañía TELEFONICA SAU. , por lo que corresponde al MITMA asumir el 50% de dichos costes			
TOTAL 11.02.01				110.419,18
11.02.02	TEL-B.02			
11.02.02.01	ud LOCALIZACION REDES EXISTENTES	1,00	47,36	47,36
(910.0125_N)	LOCALIZACIÓN DE SERVICIOS, MEDIANTE EXCAVACIÓN POR MEDIOS MECANICOS O MANUALES, INCLUYENDO EL POSTERIOR RELLENO CON LAS TIERRAS PROCEDENTES DE LA PROPIA EXCAVACIÓN, TOTALMENTE TERMINADO.			
11.02.02.02	m DESMONTAJE CANALIZACIÓN FIBRA ÓPTICA	430,50	5,44	2.341,92
(930.1001_N)	DESMONTAJE DE LA CANALIZACIÓN DE FIBRA ÓPTICA EXISTENTE, INCLUIDO EL DESMONTAJE DEL CABLE DE FIBRA ÓPTICA EXISTENTE EN EL INTERIOR DE LA CANALIZACIÓN.			
11.02.02.03	ud DEMOLICIÓN DE ARQUETAS	1,00	16,05	16,05
(930.1005_N)	DEMOLICIÓN DE ARQUETAS			
11.02.02.04	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	159,14	6,70	1.066,24
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA			
RD6373-F3-PR-LE-D04				84

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
11.02.02.05	m³ HORMIGÓN C20/25	168,80	86,69	14.633,27
(610.0020)	HORMIGÓN C20/25 VERTIDO, VIBRADO Y TOTALMENTE COLOCADO.			
11.02.02.06	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA	48,20	3,47	167,25
(332.0040)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA I/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
11.02.02.07	m TUBO DE PVC DE DIÁMETRO 110 MM	3336,00	7,11	23.718,96
(417.0020_N)	TUBO DE PVC DE DIÁMETRO 110mm . SIN INCLUIR EXCAVACIÓN.			
11.02.02.08	ud ARQUETA TELEFÓNICA PREFABRICADA TIPO D-II CON TAPA	2,00	703,15	1.406,30
(910.1095_N)				
11.02.02.09	m CABLE DE TELEFONÍA	3336,00	68,38	228.115,68
(920.1002_N)	CABLE DE TELEFONÍA A REPONER, DE LAS MISMAS CARACTERÍSTICAS QUE EL EXISTENTE, INCLUSO COLOCACIÓN, SEGUN NORMAS PARTICULARES COMPAÑIA TELEFONICA.			
11.02.02.10	ud REDUCCIÓN 50% TEL-B.02	1,00	-143.703,53	-143.703,53
(110.1096_N)	Reducción del 50% del importe de las reposiciones titularidad de TELEFONICA en virtud de lo dispuesto en el Decreto 13 de mayo 1954 y las Normas Complementarias aprobadas con fecha del 13 junio 1958, a las que se da continuidad s/ O.C n°276/79 S.G de 1979, sobre relaciones de la compañía TELEFONICA SAU. , por lo que corresponde al MITMA asumir el 50% de dichos costes			
TOTAL 11.02.02				127.809,50
11.02.03	TEL-B.03			
11.02.03.01	ud LOCALIZACION REDES EXISTENTES	1,00	47,36	47,36
(910.0125_N)	LOCALIZACIÓN DE SERVICIOS, MEDIANTE EXCAVACIÓN POR MEDIOS MECANICOS O MANUALES, INCLUYENDO EL POSTERIOR RELLENO CON LAS TIERRAS PROCEDENTES DE LA PROPIA EXCAVACIÓN, TOTALMENTE TERMINADO.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.02.03.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	18,90	6,70	126,63
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
11.02.03.03	m² ENCOFRADO VISTO PLANO	8,15	33,91	276,37
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHIHEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
11.02.03.04	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	231,53	1,81	419,07
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
11.02.03.05	m³ HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	3,15	104,31	328,58
(610.0050)	HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
11.02.03.06	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA	12,60	3,47	43,72
(332.0040)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA I/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
11.02.03.07	ud REDUCCIÓN 50% TEL-B.03	1,00	-648,90	-648,90
(110.1097_N)	Reducción del 50% del importe de las reposiciones titularidad de TELEFONICA en virtud de lo dispuesto en el Decreto 13 de mayo 1954 y las Normas Complementarias aprobadas con fecha del 13 junio 1958, a las que se da continuidad s/ O.C n°276/79 S.G de 1979, sobre relaciones de la compañía TELEFONICA SAU. , por lo que corresponde al MITMA asumir el 50% de dichos costes			
TOTAL 11.02.03				592,83
TOTAL 11.02.....				238.821,51

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.03	RED PANEUROPEA			
11.03.01	PAN-B.01			
11.03.01.01	ud LOCALIZACION REDES EXISTENTES	1,00	47,36	47,36
(910.0125_N)	LOCALIZACIÓN DE SERVICIOS, MEDIANTE EXCAVACIÓN POR MEDIOS MECANICOS O MANUALES, INCLUYENDO EL POSTERIOR RELLENO CON LAS TIERRAS PROCEDENTES DE LA PROPIA EXCAVACIÓN, TOTALMENTE TERMINADO.			
11.03.01.02	m DESMONTAJE CANALIZACIÓN FIBRA ÓPTICA	1785,00	5,44	9.710,40
(930.1001_N)	DESMONTAJE DE LA CANALIZACIÓN DE FIBRA ÓPTICA EXISTENTE, INCLUIDO EL DESMONTAJE DEL CABLE DE FIBRA ÓPTICA EXISTENTE EN EL INTERIOR DE LA CANALIZACIÓN.			
11.03.01.03	ud DEMOLICIÓN DE ARQUETAS	6,00	16,05	96,30
(930.1005_N)	DEMOLICIÓN DE ARQUETAS			
11.03.01.04	m CANALIZACIÓN EN TIERRA (1,00 x 0,35). SECCIÓN TIPO STD-P12	158,55	86,21	13.668,60
(01.04.01.01)	Canalizado en tierra (1,00 x 0,35), Se incluye el suministro de los tubos de colores de PEAD virgen, deámetro 40mm, 3mm de pared y 10 atm de PN; los trabajos de excavación, tendido y colocación de los 18 monutubos en primas definidos en proyecto; suministro y vertido de HM-20 a modo de losa dpor encima del primas hasta previo a rasante con terminación de aglomerado asfáltico; también se incluye el suministro e instalacion del hilo Plynoz y la anda de señalización; se incluye el cierre de zanja y el mandirlado de los yubos y las pruebas de presión. Sección tipo STD-P12			
11.03.01.05	m CANALIZACIÓN EN TIERRA (1,00 x 0,35). SECCIÓN TIPO STD-P11	854,70	83,33	71.222,15
(01.04.01.05)	Canalizado en tierra (1,00 x 0,35), Se incluye el suministro de los tubos de colores de PEAD virgen, deámetro 40mm, 3mm de pared y 10 atm de PN; los trabajos de excavación, tendido y colocación de los 18 monutubos en primas definidos en proyecto; suministro y vertido de HM-20 a modo de losa dpor encima del primas hasta previo a rasante ; también se incluye el suministro e instalacion del hilo Plynoz y la anda de señalización; se incluye el cierre de zanja y el mandirlado de los yubos y las pruebas de presión. Sección tipo STD-P11			
11.03.01.06	m CANALIZACIÓN EN TIERRA (1,00 x 0,35). SECCIÓN TIPO STD-P23	722,40	83,16	60.074,78
(01.04.01.06)	Canalizado en tierra (1,00 x 0,35), Se incluye el suministro de los tubos de			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	colores de PEAD virgen, deámetro 40mm, 3mm de pared y 10 atm de PN; los trabajos de excavación, tendido y colocación de los 18 monutubos en primas dfinidos en proyecto; suministro y vertido de HM-20 a modo de losa dpor encima del primas hasta previo a rasante ; también se incluye el suministro e instalcion del hilo Plynoz y la banda de señalización; se incluye el cierre de zanja y el mandirlado de los yubos y las pruebas de presión. Sección tipo STD-P23			
11.03.01.07	m CABLE DE FIBRA ÓPTICA 144 FO	1653,00	10,64	17.587,92
(01.04.01.10)	Cable de fibra óptica 144 FO, incluyendo la parte proporcional de pequeño material (manguitos, elemntos de obturación, baliza, ...) las cajas de empalme, el tendido del cable (incluidos transporte de bobina, traslado de personal, catas a mano,...) y el desmontaje del cable antiguo. Tambien incluye la parte proporcional de empalmes y las medidas reflectometricas y de potencia.			
11.03.01.08	m CABLE DE FIBRA ÓPTICA 96 FO	1653,00	10,08	16.662,24
(01.04.13)	Cable de fibra óptica 96 FO, incluyendo la parte proporcional de pequeño material (manguitos, elemntos de obturación, baliza, ...) las cajas de empalme, el tendido del cbale (incluidos transporte de bobina, traslado de perosnal, catas a mano,...) y el desmontaje del cable antiguo. Tambien incluye la parte proporcional de empalmes y las medidas reflectometricas y de potencia.			
11.03.01.09	m CABLE DE FIBRA ÓPTICA 128 FO	3306,00	10,36	34.250,16
(01.04.01.15)	Cable de fibra óptica 128 FO, incluyendo la parte proporcional de pequeño material (manguitos, elemntos de obturación, baliza, ...) las cajas de empalme, el tendido del cbale (incluidos transporte de bobina, traslado de perosnal, catas a mano,...) y el desmontaje del cable antiguo. Tambien incluye la parte proporcional de empalmes y las medidas reflectometricas y de potencia.			
11.03.01.10	ud ARQUETA TELEFÓNICA PREFABRICADA TIPO D-II CON TAPA	6,00	681,85	4.091,10
(910.0095_N)	ARQUETA TIPO D-II PREFABRICADA HOMOLOGADA POR TELEFÓNICA, DE DIMENSIONES EXTERIORES 1,39X1,20X1,10 M.,CON VENTANAS PARA ENTRADA DE CONDUCTOS, INCLUSO EXCAVACIÓN DE ZANJA, 10 CM. DE HORMIGÓN DE LIMPIEZA HM-15, EMBOCADURA DE CONDUCTOS RELLENO DE TIERRAS Y TRANSPORTE DE SOBRANTES A VERTEDE-RO.			
TOTAL 11.03.01				227.411,01

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.03.02	PAN-B.02			
11.03.02.01	ud LOCALIZACION REDES EXISTENTES	2,00	47,36	94,72
(910.0125_N)	LOCALIZACIÓN DE SERVICIOS, MEDIANTE EXCAVACIÓN POR MEDIOS MECANICOS O MANUALES, INCLUYENDO EL POSTERIOR RELLENO CON LAS TIERRAS PROCEDENTES DE LA PROPIA EXCAVACIÓN, TOTALMENTE TERMINADO.			
11.03.02.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	25,00	6,70	167,50
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
11.03.02.03	m² ENCOFRADO VISTO PLANO	31,20	33,91	1.057,99
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHIHEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
11.03.02.04	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	420,00	1,81	760,20
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
11.03.02.05	m³ HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	6,25	104,31	651,94
(610.0050)	HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
11.03.02.06	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA	15,75	3,47	54,65
(332.0040)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
TOTAL 11.03.02				2.787,00
TOTAL 11.03.....				230.198,01

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.04	EMSHI			
11.04.01	EM-B.01			
11.04.01.01	ud LOCALIZACION REDES EXISTENTES	1,00	47,36	47,36
(910.0125_N)	LOCALIZACIÓN DE SERVICIOS, MEDIANTE EXCAVACIÓN POR MEDIOS MECANICOS O MANUALES, INCLUYENDO EL POSTERIOR RELLENO CON LAS TIERRAS PROCEDENTES DE LA PROPIA EXCAVACIÓN, TOTALMENTE TERMINADO.			
11.04.01.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	84,00	6,70	562,80
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
11.04.01.03	m² ENCOFRADO VISTO PLANO	12,00	33,91	406,92
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHIHEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
11.04.01.04	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	1020,92	1,81	1.847,87
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
11.04.01.05	m³ HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	13,39	104,31	1.396,71
(610.0050)	HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
11.04.01.06	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA	63,00	3,47	218,61
(332.0040)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
TOTAL 11.04.01				4.480,27

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.04.02	EM-B.02			
11.04.02.01	ud LOCALIZACION REDES EXISTENTES	1,00	47,36	47,36
(910.0125_N)	LOCALIZACIÓN DE SERVICIOS, MEDIANTE EXCAVACIÓN POR MEDIOS MECANICOS O MANUALES, INCLUYENDO EL POSTERIOR RELLENO CON LAS TIERRAS PROCEDENTES DE LA PROPIA EXCAVACIÓN, TOTALMENTE TERMINADO.			
11.04.02.02	m RETIRADA DE TUBERÍA EXISTENTE	1867,95	10,96	20.472,73
(940.1020_N)	RETIRADA TUBERÍA EXISTENTE. INCLUIDO LA RECOGIDA Y TRANSPORTE DE SOBRANTES A VERTEDERO AUTORIZADO. TODO TOTALMENTE TERMINADO.			
11.04.02.03	ud DEMOLICIÓN ARQUETAS EXISTENTES	9,00	266,05	2.394,45
(940.1001_N)	DEMOLICIÓN DE ARQUETAS DE LA CANALIZACIÓN EXISTENTE. INCLUIDO LA RECOGIDA Y TRANSPORTE DE SOBRANTES A VERTEDERO AUTORIZADO. TODO TOTALMENTE TERMINADO.			
11.04.02.04	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	44666,21	6,70	299.263,61
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
11.04.02.05	m³ RELLENO CON GRAVIN O GRAVA 25 MM EN RELLENOS Y ASIENTOS DE TUBERIAS	10874,43	13,95	151.698,30
(332.0060N)	RELLENO CON GRAVIN O GRAVA DE TAMAÑO MAXIMO 25 MM EN RELLENOS Y ASIENTOS DE TUBERIAS EXENTO DE MATERIA ORGANICA, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE.			
11.04.02.06	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA	37554,30	3,47	130.313,42
(332.0040)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
11.04.02.07	m TUBERÍA ACERO L275, DN1100, CHAPA 14.2MM, JUNTA ABOCARDADA + 2 CORD. SOLDADURA, OBRA NORMAL, NORMAL	1916,25	808,35	1.549.000,69
(EIFN.8fhbbaa)	Suministro e instalación de tubería de acero soldada helicoidalmente de diámetro nominal DN 1100 mm, tanto en zanja como en el interior de			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	galerías o camisas, con parte proporcional de elementos de sujección y centradores, segun el tipo de instalación, conforme a norma UNE-EN 10224 y/o según normativa vigente, acero L275, espesor de chapa 14.2mm, con revestimiento interior de 400 micras de pintura epoxi según AWA C210, apta para el contacto con agua para consumo humano y exterior de 3mm de polietileno extruido en caliente o 1000 micras de poliuretano según DIN 30678 o equivalente, previa preparación de ambas superficies a grado SA 2 1/2. Incluso parte proporcional de junta abocardada + 2 cord. soldadura, manga termorretráctil de protección exterior, tratamiento interior y exterior de las mismas, medios auxiliares y pruebas necesarias para su correcto funcionamiento. Instalada en zanja en obra normal y actuación de entidad normal. Segun especificaciones y normativa de la compañía suministradora			
11.04.02.08	ud DADO DE ANCLAJE CON PIEZA ESPECIAL ACERO PARA CAMBIOS DE DIRECCIÓN DN 1100	6,00	7.760,95	46.565,70
(950.1176_N)	DADO DE ANCLAJE EN HORMIGON HA-30 PARA PIEZAS ESPECIALES EN CAMBIOS DIRECCIÓN, CODOS, TES EN CONDUCCIONES DE AGUA, INCLUSO SUMINISTRO DE PIEZA ESPECIAL DE CALDERERIA EN ACERO SEGUN ESPECIFICACIONES COMPAÑIA SUMINISTRADORA PARA LA DERIVACIÓN O EL CAMBIO DE DIRECCIÓN PARA DIÁMETROS DE DN 1100 MM, INCLUIDO TRASLADO A OBRA, TOTALMENTE INSTALADO Y MONTADO.			
11.04.02.09	m TUBERÍA ACERO L235 PARA ENCAMISAR, DN2500, CHAPA 22MM, JUNTA ABOCARDADA + 1 CORD. SOLDADURA, OBRA NORMAL, NORMAL	138,60	2.922,18	405.014,15
(EIFN.8olaaaa_N)	Suministro e instalación de tubería de acero soldada helicoidalmente para encamisar de diámetro nominal DN 2500 mm, conforme a norma UNE-EN 10224 y/o según normativa vigente, acero L235, espesor de chapa 22mm, con revestimiento interior de 400 micras de pintura epoxi según AWA C210, apta para el contacto con agua para consumo humano y exterior de 3mm de polietileno extruido en caliente o 1000 micras de poliuretano según DIN 30678 o equivalente, previa preparación de ambas superficies a grado SA 2 1/2. Incluso parte proporcional de junta abocardada + 1 cord. soldadura, manga termorretráctil de protección exterior, tratamiento interior y exterior de las mismas, medios auxiliares y pruebas necesarias para su correcto funcionamiento. Instalada en zanja en obra normal y actuación de entidad normal.			
11.04.02.10	ud TRANSPORTE, IMPLANTACIÓN Y POSTERIOR RETIRADA DE EQUIPO PERFORADOR DE ESCUDO CERRADO PARA HINCA DE TUBERIA HA DE DN 2500 mm	1,00	44.520,00	44.520,00
(950.2002_N)	IMPLANTACIÓN, TRANSPORTE, Y RETIRADA DE EQUIPO PERFORADOR DE ESCUDO CERRADO PARA HINCA DE TUBERIA DE HA DE DN 2500 MM INCLUSO MANO DE OBRA PARA DESCARGA, MONTAJE, PUESTA A PUNTO, Y POSTERIOR DESMONTAJE Y CARGA HASTA ALMACEN ORIGEN, INCLUSO EXCAVACIÓN DE POZO DE ATAQUE, ENTIBACIONES, CONSTRUCCIÓN DE ESTRUCTURAS AUXILIARES. MANO DE OBRA, MATERIALES Y MAQUINARIA AUXILIAR, COMPLETAMENTE INSTALADO.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.04.02.11	m TUBERÍA HINCADA DN 2500 mm DE HA CON VIOLA METALICA SEGÚN UNE-EN 1916 Y UNE-ENE 127916	131,25	6.067,89	796.410,56
(950.2001_N)	TUBERÍA HINCADA DE DN 2.500 MM DE DIÁMETRO INTERIOR, DE HORMIGÓN ARMADO, CON VIOLA METÁLICA CONFORME NORMA UNE-EN 1916 Y UNE-EN 127916, Y/O NORMATIVA VIGENTE, EN CUALQUIER TIPO DE TERRENO INCLUSO ROCA, CON EQUIPO DE ESCUDO CERRADO, CORTE INTEGRAL, EXTRACCIÓN DE LOS PRODUCTOS PROCEDENTES DE LA EXCAVACIÓN, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO, Y COLOCADA POR GUÍA MEDIANTE LASER, INCLUSO P.P. DE JUNTAS DE ESTANQUEIDAD, INYECCIONES BENTONÍ-TICAS, MURO DE REACCIÓN Y POSTERIOR DEMOLICIÓN, INCLUSO EX-CABACIÓN DE FOSO DE ATAQUE Y SALIDA, MAQUINARIA Y MEDIOS AUXILIARES, MEDIDO SOBRE PERFIL.			
11.04.02.12	m³ HORMIGÓN C12/C15 EN REGULARIZACIÓN, LIMPIEZA Y RELLENOS EN TÚNELES Y OBRAS SUBTERRÁNEAS	309,82	65,99	20.445,02
(804.0010)	HORMIGÓN C12/15 EN REGULARIZACIÓN, LIMPIEZA Y RELLENOS EN TÚNELES Y OBRAS SUBTERRÁNEAS.			
11.04.02.13	m³ HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	438,15	104,31	45.703,43
(610.0050)	HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
11.04.02.14	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	36750,00	1,81	66.517,50
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
11.04.02.15	m² ENCOFRADO VISTO PLANO	1903,88	33,91	64.560,57
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHIHEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
11.04.02.16	kg PINTURA BITUMINOSA	201,08	2,58	518,79
(903.2014_N)	PINTURA BITUMINOSA.			
11.04.02.17	m² LOSA PREFABRICADA DE HORMIGÓN EN TAPAS DE ARQUETAS	170,01	40,40	6.868,40
(903.2012_N)	LOSA PREFABRICADA DE HORMIGÓN EN TAPAS DE ARQUETAS , INCLUSO P.P. DE CERCO Y ARGOLLAS			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.04.02.18	ud PATE DE ACERO REVESTIDO CON POLIPROPILENO	110,00	7,13	784,30
(418.0010)	PATE DE ACERO REVESTIDO CON POLIPROPILENO			
11.04.02.19	ud CUBETA HORMIGÓN ARMADO	9,00	125,53	1.129,77
(950.1166_N)	POCETA DE DESAGÜE FORMADA POR UNA PIEZA PREFABRICADA DE HORMIGÓN ARMADO, DE ANCHURA 1,40 M EN LA PARTE INFERIOR Y 0,80 M EN LA PARTE SUPERIOR, INCLUSO PP DE REJILLA DE TRAMEX. TOTALMENTE INSTALADA Y CONECTADA, SEGUN ESPECIFICACIONES COMPAÑIA SUMINISTRADORA.			
11.04.02.20	ud TAPA Y MARCO DE FUNDICIÓN ESPECIAL SEGURIDAD CON PISTON HIDRAULICO DN850 MM	9,00	1.292,32	11.630,88
(903.2010_N)	INSTALACIÓN DE TAPA CIRCULAR CON MARCO Y CIERRE ESPECIAL DE SEGURIDAD DIÁMETRO 800 MM, DE FUNDICIÓN DÚCTIL CLASE D400 SEGÚN LA EN-124 CON CERTIFICADO DE CALIDAD Y MARCO CUADRADO Y PASO LIBRE ? 800 MM Y JUNTA DE CAUCHO DE INSONORIZACIÓN Y ANTIVIBRACIÓN DE CLOROPRENO ADHERIDA A LA TAPA. EQUIPADO CON TAPA CIRCULAR 861 MM DE ALTA SEGURIDAD CON DOBLE BLOQUEO EN LA ARTICULACIÓN Y CIERRE HORIZONTAL EMPOTRADO Y DESPLAZADO DEL ALOJAMIENTO DE LA LLAVE. CIERRE MEDIANTE CILINDRO GIRATORIO PARA LLAVE CODIFICADA CON SISTEMA ANTIPÁNICO MEDIANTE PALANCA DE APERTURA DESDE EL INTERIOR. TOTALMENTE INSTALADO Y MONTADO. SEGUN NORMATIVA COMPAÑIA SUMINISTRADORA.			
11.04.02.21	ud HITOS DE SEÑALIZACION DE TUBERIAS	180,00	50,45	9.081,00
(940.1006_N)	HITO DE HORMIGÓN EN MASA PARA DESLINDE DE EXPROPIACIONES O SERVIDUMBRES DE ALTURA MÍNIMA 0.50 M, CON REPLANTEO Y COLOCACIÓN, INCLUSO CIMENTACIÓN, TOTALMENTE INSTALADO.			
11.04.02.22	ud POZO DE REGISTRO PARA BOCA DE HOMBRE O VACIADO DIAMETRO 1000 MM INCLUSO TAPA DN800 TIPO D400	5,00	1.239,44	6.197,20
(950.1167_N)	Pozo de registro de diametro 1000 mm, conformado con piezas prefabricadas de hormigon hasta la altura necesaria, incluso sole- ra hormigón HA-30 de 20 cm y tapa de registro DN 800 mm para trafico pesado D400. Totalmente terminado.			
11.04.02.23	ud VÁLVULA DE MARIPOSA DN1100	4,00	39.231,52	156.926,08
(950.1169_N)	SUMINISTRO Y MONTAJE DE VÁLVULA DE MARIPOSA MOTORIZADA PARA TUBERÍAS DN 1100 MM MOTORIZADA, CON CUERPO DE FUNDICIÓN NODULAR REVESTIDO CON PINTURA DE POLIURETANO AZUL EJE Y DISCO DE ACERO INOXIDABLE SEGUN ESPECIFICACIONES EMPRESA SUMINISTRADORA. INCLUSO PARTE PROPORCIONAL DE ALIMENTACIÓN ELECTRICA Y SISTEMA DE TELEMANDO INCLUSO CASETA DE OBRA CIVIL, PARA ALBERGAR LOS ELEMENTOS CITADOS ANTERIOR-			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	MENTE,TOTALMENTE INSTALADA Y PROBADA, INCLUSO ACCESORIOS DE MONTAJE.			
11.04.02.24	ud CONJUNTO DE CALDERERÍA ACERO AL CARBONO DN 1100 MM EN ARQUETA DE VÁLVULA DE MARIPOSA DN 1100	4,00	6.230,58	24.922,32
(950.1040_N)	Suministro y montaje de conjunto de calderería en acero al carbono DN 1100 mm en arqueta de válvula de mariposa DN 1100, formada por carretes de tubería, bridas, valvulas. Incluso tratamiento antioxidante y pintura. Segun especificaciones compañía suministradora.			
11.04.02.25	ud CONJUNTO DE CALDERERIA ACERO AL CARBONO EN ARQUETA VACIADO	2,00	3.747,69	7.495,38
(950.1020_N)	SUMINISTRO Y MONTAJE DE CONJUNTO DE CALDERERÍA EN ARQUETA DE DESAGUE EN ACERO HASTA DN 1000 MM PARA CONFORMAR INJERTO DE TUBERÍA Y TRAMO DE 4 M DE TUBERÍA DE VACIADO, INCLUYENDO BRIDAS, PIEZAS ESPECIALES, TORNILLERIA DE ACERO INOXIDABLE, TOTALMENTE INSTALADO Y PROBADO SEGÚN ESPECIFICACIONES EMPRESA SUMINISTRADORA.			
11.04.02.26	ud CONJUNTO DE CALDERERIA PARA VENTOSA TRIFUNCIONAL DN150	2,00	1.045,64	2.091,28
(950.1168_N)	SUMINISTRO Y MONTAJE DE VENTOSA TRIFUNCIONAL DINÁMICA DE DN 150 MM PN-16, CON FLOTADOR DE ACERO INOXIDABLE SIN JUNTAS, INCLUSO PIEZAS ESPECIALES DE CALDERERIA, BRIDAS Y VALVULAS, SEGÚN ESPECIFICACIONES DE LA EMPRESA SUMINISTRADORA			
11.04.02.27	ud CONJUNTO VENTILACIÓN ARQUETA 180M3/H	2,00	1.045,64	2.091,28
(950.2068_N)	CONJUNTO VENTILACIÓN ARQUETA 180M3/H, INCLUIDO TRASLADO A OBRA, TOTALMENTE INSTALADO Y MONTADO.			
11.04.02.28	ud CONJUNTO CALDERERIA PARA CONFORMAR BOCA DE HOMBRE DE DN 600 MM	5,00	3.795,55	18.977,75
(950.1161_N)	Suministro y montaje de conjunto de calderería para conformar una boca de hombre en tuberia de acero al carbono hasta DN 1100 mm, formada por carretes de tubería, bridas, bridas ciegas, tornilleria y accesorios necesarios. Incluso tratamiento antioxidante y pintura. Segun especificaciones compañía suministradora.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.04.02.29	ud CONEXION C/TUB. EXISTENTE Ø 1000-1100 EN UN TIEMPO INFERIOR A 48H	4,00	6.053,74	24.214,96
(940.1005_N)	CONEXIÓN CON TUBERÍA EXISTENTE DIÁMETRO 1000-1100 MM. EN DÍA FESTIVO O LABORAL, EN HORARIO NOCTURNO O DIURNO PARA UN MENOR INCIDENCIA DEL SERVICIO, EN UN TIEMPO INFERIOR A 48H CONTEMPLANDO: - MANO DE OBRA, MATERIALES Y MAQUINARIA NECESARIA PARA LA CORRECTA EJECUCIÓN DE LA CONEXIÓN. - CORTE DE TUBERÍA EXISTENTE Y TRANSPORTE A GESTOR AUTORIZADO O VERTEDERO. - OBRA CIVIL (DEMOLICIÓN, EXCAVACIÓN, ENTIBADO, TAPADO Y REPOSICIÓN) NECESARIA DE LA ZONA DE CONEXIÓN. - EJECUCIÓN DE PRE-TOPES EN SECO ASEGURANDO EL CORRECTO ANCLAJE DE TUBERIA Y PIEZAS. - ACHIQUE DEL AGUA Y VACIADO DE LA TUBERÍA EXISTENTE. - MEDIOS AUXILIARES (TORRES DE ILUMINACIÓN, BOMBAS DE ACHIQUE, GRUPO ELECTROGENO,CUÑAS DE MADERA, ETC.) CONSIDERANDO UN EQUIPO DE RESERVA DE TODOS LOS MEDIOS EMPLEADOS PARA SU UTILIZACIÓN EN CASO DE FALLO, INCLUSO PUESTA EN SERVICIO.			
11.04.02.30	m LIMPIEZA TUBERÍAS, DESINFECCIÓN E INSPECCIÓN	1920,00	21,55	41.376,00
(903.0351_N)	UNIDAD DE LIMPIEZA DE CONDUCCIONES DE AGUA POTABLE, MEDIANTE LA INTRODUCCIÓN DE AGUA A PRESIÓN EN LA RED, PARA PROVOCAR EL ARRASTRE DE LOS MATERIALES QUE PUEDAN ESTAR ALOJADOS EN EL INTERIOR DE LOS CONDUCTOS CONSIGUIENDO UNA VELOCIDAD NO INFERIOR A 0.9 M/S, Y POSTERIOR VACIADO DE LA RED, INCLUSO DESINFECCIÓN DE LA MISMA SEGUN NORMATIVA Y PROCEDIMIENTOS DE LA EMPRESA SUMINISTRADORA,. INCLUSO INSPECCIÓN DE LA TUBERIA CON GRABACIÓN DE VIDEO POR MEDIO DE ROBOT E INFORME FINAL.			
11.04.02.31	ud REDACCIÓN DE PROYECTO E INSPECCIÓN POR PARTE EMPRESA SUMINISTRADORA EM-B.02	1,00	34.280,40	34.280,40
(903.3080_N)	REDACCIÓN DEL PROYECTO DE LA REPOSICIÓN, INCLUSO INSPECCIÓN DE LOS TRABAJOS POR PARTE DE LA EMPRESA SUMINISTRADORA.			
TOTAL 11.04.02.....				3.991.513,28

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.04.03	EM-B.03			
11.04.03.01	ud LOCALIZACION REDES EXISTENTES	1,00	47,36	47,36
(910.0125_N)	LOCALIZACIÓN DE SERVICIOS, MEDIANTE EXCAVACIÓN POR MEDIOS MECANICOS O MANUALES, INCLUYENDO EL POSTERIOR RELLENO CON LAS TIERRAS PROCEDENTES DE LA PROPIA EXCAVACIÓN, TOTALMENTE TERMINADO.			
11.04.03.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	63,00	6,70	422,10
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
11.04.03.03	m² ENCOFRADO VISTO PLANO	9,00	33,91	305,19
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHIHEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
11.04.03.04	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	277,83	1,81	502,87
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
11.04.03.05	m³ HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	9,45	104,31	985,73
(610.0050)	HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
11.04.03.06	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA	47,25	3,47	163,96
(332.0040)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
TOTAL 11.04.03				2.427,21
TOTAL 11.04.....				3.998.420,76

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.05	ACUAMED			
11.05.01	AM-B.01			
11.05.01.01	ud LOCALIZACION REDES EXISTENTES	1,00	47,36	47,36
(910.0125_N)	LOCALIZACIÓN DE SERVICIOS, MEDIANTE EXCAVACIÓN POR MEDIOS MECANICOS O MANUALES, INCLUYENDO EL POSTERIOR RELLENO CON LAS TIERRAS PROCEDENTES DE LA PROPIA EXCAVACIÓN, TOTALMENTE TERMINADO.			
11.05.01.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	84,00	6,70	562,80
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
11.05.01.03	m² ENCOFRADO VISTO PLANO	12,00	33,91	406,92
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHIHEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
11.05.01.04	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	984,17	1,81	1.781,35
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
11.05.01.05	m³ HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	13,39	104,31	1.396,71
(610.0050)	HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
11.05.01.06	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA	63,00	3,47	218,61
(332.0040)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
TOTAL 11.05.01				4.413,75

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.05.02	AM-B.02			
11.05.02.01	ud LOCALIZACION REDES EXISTENTES	1,00	47,36	47,36
(910.0125_N)	LOCALIZACIÓN DE SERVICIOS, MEDIANTE EXCAVACIÓN POR MEDIOS MECANICOS O MANUALES, INCLUYENDO EL POSTERIOR RELLENO CON LAS TIERRAS PROCEDENTES DE LA PROPIA EXCAVACIÓN, TOTALMENTE TERMINADO.			
11.05.02.02	m RETIRADA DE TUBERÍA EXISTENTE	1864,80	10,96	20.438,21
(940.1020_N)	RETIRADA TUBERÍA EXISTENTE. INCLUIDO LA RECOGIDA Y TRANSPORTE DE SOBRANTES A VERTEDERO AUTORIZADO. TODO TOTALMENTE TERMINADO.			
11.05.02.03	ud DEMOLICIÓN ARQUETAS EXISTENTES	9,00	266,05	2.394,45
(940.1001_N)	DEMOLICIÓN DE ARQUETAS DE LA CANALIZACIÓN EXISTENTE. INCLUIDO LA RECOGIDA Y TRANSPORTE DE SOBRANTES A VERTEDERO AUTORIZADO. TODO TOTALMENTE TERMINADO.			
11.05.02.04	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	44666,21	6,70	299.263,61
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
11.05.02.05	m³ RELLENO CON GRAVIN O GRAVA 25 MM EN RELLENOS Y ASIENTOS DE TUBERIAS	12010,95	13,95	167.552,75
(332.0060N)	RELLENO CON GRAVIN O GRAVA DE TAMAÑO MAXIMO 25 MM EN RELLENOS Y ASIENTOS DE TUBERIAS EXENTO DE MATERIA ORGANICA, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE.			
11.05.02.06	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA	38234,70	3,47	132.674,41
(332.0040)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
11.05.02.07	m TUBERÍA HCC, DN1000, HA, PN10, JUNTA SOLDADA	1916,25	533,41	1.022.146,91
(EIFN.7eeaaaa)	Tubería de hormigón armado con camisa de chapa de diámetro nominal DN 1000 mm, PN10 atm, conforme a norma UNE-EN 641 y/o según			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	normativa vigente, con chapa acero para la armadura interior de calidad mínima S275 JR. Incluso parte proporcional de juntas, uniones , medios auxiliares y pruebas necesarias para su correcto funcionamiento. Instalada en zanja, en galería o encamisada, incluso parte proporcional de soportes de hormigon abarazaderas de acero inoxidable y separadores segun tipo de instalacion, totalmente instalada y montada segun especificaciones compañía suministradora.			
11.05.02.08	ud PIEZA ESPECIAL CALDERERIA PARA CAMBIOS DE DIRECCIÓN DN 1000 INCLUSO DADO DE HORMIGON HA-30 DE TOPE	9,00	8.416,20	75.745,80
(950.1175_N)	DADO DE ANCLAJE EN HORMIGON HA-30 PARA PIEZAS ESPECIALES EN CAMBIOS DIRECCIÓN, CODOS, TES EN CONDUCCIONES DE AGUA, INCLUSO SUMINISTRO DE PIEZA ESPECIAL DE CALDERERIA EN ACERO SEGUN ESPECIFICACIONES COMPAÑIA SUMINISTRADORA PARA LA DERIVACIÓN O EL CAMBIO DE DIRECCIÓN PARA DIÁMETROS DE DN 1000 MM, INCLUIDO TRASLADO A OBRA, TOTALMENTE INSTALADO Y MONTADO.			
11.05.02.09	m TUBERÍA HINCADA DN 2500 mm DE HA CON VIROLA METALICA SEGÚN UNE-EN 1916 Y UNE-ENE 127916	131,25	6.067,89	796.410,56
(950.2001_N)	TUBERÍA HINCADA DE DN 2.500 MM DE DIÁMETRO INTERIOR, DE HORMIGÓN ARMADO, CON VIROLA METÁLICA CONFORME NORMA UNE-EN 1916 Y UNE-EN 127916, Y/O NORMATIVA VIGENTE, EN CUALQUIER TIPO DE TERRENO INCLUSO ROCA, CON EQUIPO DE ESCUDO CERRADO, CORTE INTEGRAL, EXTRACCIÓN DE LOS PRODUCTOS PROCEDENTES DE LA EXCAVACIÓN, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO, Y COLOCADA POR GUÍA MEDIANTE LASER, INCLUSO P.P. DE JUNTAS DE ESTANQUEIDAD, INYECCIONES BENTONÍTICAS, MURO DE REACCIÓN Y POSTERIOR DEMOLICIÓN, INCLUSO EXCABACIÓN DE FOSO DE ATAQUE Y SALIDA, MAQUINARIA Y MEDIOS AUXILIARES, MEDIDO SOBRE PERFIL.			
11.05.02.10	m TUBERÍA ACERO L235 PARA ENCAMISAR, DN2500, CHAPA 22MM, JUNTA ABOCARDADA + 1 CORD. SOLDADURA, OBRA NORMAL, NORMAL	138,60	2.922,18	405.014,15
(EIFN.8olaaaa_N)	Suministro e instalación de tubería de acero soldada helicoidalmente para encamisar de diámetro nominal DN 2500 mm, conforme a norma UNE-EN 10224 y/o según normativa vigente, acero L235, espesor de chapa 22mm, con revestimiento interior de 400 micras de pintura epoxi según AWA C210, apta para el contacto con agua para consumo humano y exterior de 3mm de polietileno extruido en caliente o 1000 micras de poliuretano según DIN 30678 o equivalente, previa preparación de ambas superficies a grado SA 2 1/2. Incluso parte proporcional de junta abocardada + 1 cord. soldadura, manga termorretráctil de protección exterior, tratamiento interior y exterior de las mismas, medios auxiliares y pruebas necesarias para su correcto funcionamiento. Instalada en zanja en obra normal y actuación de entidad normal.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.05.02.11	ud TRANSPORTE, IMPLANTACIÓN Y POSTERIOR RETIRADA DE EQUIPO PERFORADOR DE ESCUDO CERRADO PARA HINCA DE TUBERIA HA DE DN 2500 mm	1,00	44.520,00	44.520,00
(950.2002_N)	IMPLANTACIÓN, TRANSPORTE, Y RETIRADA DE EQUIPO PERFORADOR DE ESCUDO CERRADO PARA HINCA DE TUBERIA DE HA DE DN 2500 MM INCLUSO MANO DE OBRA PARA DESCARGA, MONTAJE, PUESTA A PUNTO, Y POSTERIOR DESMONTAJE Y CARGA HASTA ALMACEN ORIGEN, INCLUSO EXCAVACIÓN DE POZO DE ATAQUE, ENTIBACIONES, CONSTRUCCIÓN DE ESTRUCTURAS AUXILIARES. MANO DE OBRA, MATERIALES Y MAQUINARIA AUXILIAR, COMPLETAMENTE INSTALADO.			
11.05.02.12	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA	315,49	66,48	20.973,78
(610.0010)	HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.			
11.05.02.13	m³ HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	443,82	104,31	46.294,86
(610.0050)	HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
11.05.02.14	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	36750,00	1,81	66.517,50
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
11.05.02.15	m² ENCOFRADO VISTO PLANO	1903,88	33,91	64.560,57
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHICHEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
11.05.02.16	kg PINTURA BITUMINOSA	139,60	2,58	360,17
(903.2014_N)	PINTURA BITUMINOSA.			
11.05.02.17	m² LOSA PREFABRICADA DE HORMIGÓN EN TAPAS DE ARQUETAS	170,01	40,40	6.868,40
(903.2012_N)	LOSA PREFABRICADA DE HORMIGÓN EN TAPAS DE ARQUETAS , INCLUSO P.P. DE CERCO Y ARGOLLAS			
11.05.02.18	ud PATE DE ACERO REVESTIDO CON POLIPROPILENO	110,00	7,13	784,30
(418.0010)	PATE DE ACERO REVESTIDO CON POLIPROPILENO			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.05.02.19	ud CUBETA HORMIGÓN ARMADO	11,00	125,53	1.380,83
(950.1166_N)	POCETA DE DESAGÜE FORMADA POR UNA PIEZA PREFABRICADA DE HORMIGÓN ARMADO, DE ANCHURA 1,40 M EN LA PARTE INFERIOR Y 0,80 M EN LA PARTE SUPERIOR, INCLUSO PP DE REJILLA DE TRAMEX. TOTALMENTE INSTALADA Y CONECTADA, SEGUN ESPECIFICACIONES COMPAÑIA SUMINISTRADORA.			
11.05.02.20	ud TAPA Y MARCO DE FUNDICIÓN ESPECIAL SEGURIDAD CON PISTON HIDRAULICO DN850 MM	9,00	1.292,32	11.630,88
(903.2010_N)	INSTALACIÓN DE TAPA CIRCULAR CON MARCO Y CIERRE ESPECIAL DE SEGURIDAD DIÁMETRO 800 MM, DE FUNDICIÓN DÚCTIL CLASE D400 SEGÚN LA EN-124 CON CERTIFICADO DE CALIDAD Y MARCO CUADRAD Y PASO LIBRE ? 800 MM Y JUNTA DE CAUCHO DE INSONORIZACIÓN Y ANTIVIBRACIÓN DE CLOROPRENO ADHERIDA A LA TAPA. EQUIPADO CON TAPA CIRCULAR 861 MM DE ALTA SEGURIDAD CON DOBLE BLOQUEO EN LA ARTICULACIÓN Y CIERRE HORIZONTAL EMPOTRADO Y DESPLAZADO DEL ALOJAMIENTO DE LA LLAVE. CIERRE MEDIANTE CILINDRO GIRATORIO PARA LLAVE CODIFICADA CON SISTEMA ANTIPÁNICO MEDIANTE PALANCA DE APERTURA DESDE EL INTERIOR. TOTALMENTE INSTALADO Y MONTADO. SEGUN NORMATIVA COMPAÑIA SUMINISTRADORA.			
11.05.02.21	ud HITOS DE SEÑALIZACION DE TUBERIAS	180,00	50,45	9.081,00
(940.1006_N)	HITO DE HORMIGÓN EN MASA PARA DESLINDE DE EXPROPIACIONES O SERVIDUMBRES DE ALTURA MÍNIMA 0.50 M, CON REPLANTEO Y COLOCACIÓN, INCLUSO CIMENTACIÓN, TOTALMENTE INSTALADO.			
11.05.02.22	ud POZO DE REGISTRO PARA BOCA DE HOMBRE O VACIADO DIAMETRO 1000 MM INCLUSO TAPA DN800 TIPO D400	5,00	1.239,44	6.197,20
(950.1167_N)	Pozo de registro de diametro 1000 mm, conformado con piezas prefabricadas de hormigon hasta la altura necesaria, incluso solera hormigón HA-30 de 20 cm y tapa de registro DN 800 mm para trafico pesado D400. Totalmente terminado.			
11.05.02.23	ud VÁLVULA DE MARIPOSA DN1000	4,00	128,36	513,44
(950.1159_N)	VÁLVULA DE MARIPOSA MOTORIZADA PARA TUBERÍAS DE DN 1000 MM CON ACTUADOR ELÉCTRICCO MONOFÁSICO DE GIRO 90°, CON CUERPO Y DISCO DE FUNDICIÓN DÚCTIL PN-16. SEGÚN ESPECIFICACIONES DE ACUAJUCAR.			
11.05.02.24	ud CONJUNTO DE CALDERERÍA ACERO AL CARBONO DN 1000 MM EN ARQUETA DE VÁLVULA DE MARIPOSA	2,00	6.230,58	12.461,16
(950.2040_N)	Suministro y montaje de conjunto de calderería en acero al carbono DN 1000 mm en arqueta de válvula de mariposa DN 1100,			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	formada por carretes de tubería, bridas, valvulas. Incluso trata- miento antioxidante y pintura. Segun especificaciones compañía suministradora.			
11.05.02.25	ud CONJUNTO DE CALDERERIA ACERO AL CARBONO PARA CONFORMAR DESAGUE EN ARQUETA DE VÁLVULA DE MARIPOSA	4,00	926,92	3.707,68
(950.2030_N)	PIEZA ESPECIAL EN CALDERERIA PARA CONFORMAR DESAGUE DE DIA- METRO 150 MM CON TUBO DE ACERO SIN SOLDADURA DN.219.1 MM. Y 12.7MM. DE ESPESOR, CON TERMINACIÓN EN BRIDA DN.200, PN-16, DE DIMENSIONES SEGUN PLANOS PARA TUBERIA DE ACERO (SOLDA- DA A LA TUBERIA) EJECUTADA CON CHAPA DE ACERO S275JR Y PRO- TECCION TANTO INTERIOR COMO EXTERIOR CON PINTURA DE EPO- XI-ALIMENTARIA DE ESPESOR MINIMO 300 MICRAS PREVIO TRATA- MIENTO DE LIMPIEZA Y DESENGRASADO DE LA SUPERFICIE INCLUYEN- DO EL MATERIAL INCLUSO TUBULERÍA PARA LAS CONEXIONES NECE- SARIAS, BRIDAS NORMALIZADAS, REFUERZOS, MECANIZADOS, COR- TES Y REBAJES, ELABORACION DE LAS PIEZAS EN TALLER, SOLDADU- RAS, PRETRATAMIENTOS DE LIMPIEZA Y PINTURAS DE PROTECCION, TRANSPORTE AL LUGAR DE EMPLEO, JUNTAS Y TORNILLERIA SEGUN PLIEGO E INSTALACION EN EL INTERIOR DE ZANJAS O ARQUETAS, PROBADAS Y EN SERVICIO.			
11.05.02.26	ud CONJUNTO DE CALDERERIA ACERO AL CARBONO EN ARQUETA VACIADO	2,00	3.747,69	7.495,38
(950.1020_N)	SUMINISTRO Y MONTAJE DE CONJUNTO DE CALDERERÍA EN ARQUE- TA DE DESAGUE EN ACERO HASTA DN 1000 MM PARA CONFORMAR INJERTO DE TUBERÍA Y TRAMO DE 4 M DE TUBERÍA DE VACIADO, IN- CLUYENDO BRIDAS, PIEZAS ESPECIALES, TORNILLERIA DE ACERO INO- XIDABLE, TOTALMENTE INSTALADO Y PROBADO SEGÚN ESPECIFICA- CIONES EMPRESA SUMINISTRADORA.			
11.05.02.27	ud CONJUNTO DE CALDERERIA PARA VENTOSA TRIFUNCIONAL DN150	2,00	1.045,64	2.091,28
(950.1168_N)	SUMINISTRO Y MONTAJE DE VENTOSA TRIFUNCIONAL DINÁMICA DE DN 150 MM PN-16, CON FLOTADOR DE ACERO INOXIDABLE SIN JUN- TAS, INCLUSO PIEZAS ESPECIALES DE CALDERERIA, BRIDAS Y VALVU- LAS, SEGÚN ESPECIFICACIONES DE LA EMPRESA SUMINISTRADORA			
11.05.02.28	ud CONJUNTO VENTILACIÓN ARQUETA 180M3/H	2,00	1.045,64	2.091,28
(950.2068_N)	CONJUNTO VENTILACIÓN ARQUETA 180M3/H, INCLUIDO TRASLADO A OBRA, TOTALMENTE INSTALADO Y MONTADO.			
TOTAL 11.05.02				3.346.332,98

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.05.02.29	ud CONJUNTO CALDERERIA PARA CONFORMAR BOCA DE HOMBRE DE DN 600 MM	5,00	3.795,55	18.977,75
(950.1161_N)	Suministro y montaje de conjunto de calderería para conformar una boca de hombre en tubería de acero al carbono hasta DN 1100 mm, formada por carretes de tubería, bridas, bridas ciegas, tornillería y accesorios necesarios. Incluso tratamiento antioxi- dante y pintura. Segun especificaciones compañía suministrado- ra.			
11.05.02.30	ud CONEXION C/TUB. EXISTENTE Ø 1000-1100 EN UN TIEMPO INFERIOR A 48H	2,00	6.053,74	12.107,48
(940.1005_N)	CONEXIÓN CON TUBERÍA EXISTENTE DIÁMETRO 1000-1100 MM. EN DÍA FESTIVO O LABORAL, EN HORARIO NOCTURNO O DIURNO PARA UN MENOR INCIDENCIA DEL SERVICIO, EN UN TIEMPO INFERIOR A 48H CONTEMPLANDO: - MANO DE OBRA, MATERIALES Y MAQUINARIA NECESARIA PARA LA CORRECTA EJECUCIÓN DE LA CONEXIÓN. - CORTE DE TUBERÍA EXISTENTE Y TRANSPORTE A GESTOR AUTORIZA- DO O VERTEDERO. - OBRA CIVIL (DEMOLICIÓN, EXCAVACIÓN, ENTIBADO, TAPADO Y RE- POSICIÓN) NECESARIA DE LA ZONA DE CONEXIÓN. - EJECUCIÓN DE PRE-TOPES EN SECO ASEGURANDO EL CORRECTO AN- CLAJE DE TUBERÍA Y PIEZAS. - ACHIQUE DEL AGUA Y VACIADO DE LA TUBERÍA EXISTENTE. - MEDIOS AUXILIARES (TORRES DE ILUMINACIÓN, BOMBAS DE ACHI- QUE, GRUPO ELECTROGENO,CUÑAS DE MADERA, ETC.) CONSIDERANDO UN EQUIPO DE RESERVA DE TODOS LOS MEDIOS EM- PLEADOS PARA SU UTILIZACIÓN EN CASO DE FALLO, INCLUSO PUES- TA EN SERVICIO.			
11.05.02.31	m LIMPIEZA TUBERÍAS, DESINFECCIÓN E INSPECCIÓN	1902,60	21,55	41.001,03
(903.0351_N)	UNIDAD DE LIMPIEZA DE CONDUCCIONES DE AGUA POTABLE, ME- DIANTE LA INTRODUCCIÓN DE AGUA A PRESIÓN EN LA RED, PARA PROVOCAR EL ARRASTRE DE LOS MATERIALES QUE PUEDAN ESTAR ALOJADOS EN EL INTERIOR DE LOS CONDUCTOS CONSIGUIENDO UNA VELOCIDAD NO INFERIOR A 0.9 M/S, Y POSTERIOR VACIADO DE LA RED, INCLUSO DESINFECCIÓN DE LA MISMA SEGUN NORMATIVA Y PROCEDIMIENTOS DE LA EMPRESA SUMINISTRADORA,. INCLUSO INS- PECCIÓN DE LA TUBERIA CON GRABACIÓN DE VIDEO POR MEDIO DE ROBOT E INFORME FINAL.			
11.05.02.32	ud REDACCIÓN DE PROYECTO AM-B.02	1,00	45.028,80	45.028,80
(903.3010_N)	REDACCIÓN DEL PROYECTO DE LA REPOSICIÓN DE LA CONDUCCIÓN TURIA SAGUNTO AM-B.02			
TOTAL 11.05.02				3.346.332,98

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.05.03	AM-B.03			
11.05.03.01	ud LOCALIZACION REDES EXISTENTES	1,00	47,36	47,36
(910.0125_N)	LOCALIZACIÓN DE SERVICIOS, MEDIANTE EXCAVACIÓN POR MEDIOS MECANICOS O MANUALES, INCLUYENDO EL POSTERIOR RELLENO CON LAS TIERRAS PROCEDENTES DE LA PROPIA EXCAVACIÓN, TOTALMENTE TERMINADO.			
11.05.03.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	63,00	6,70	422,10
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
11.05.03.03	m² ENCOFRADO VISTO PLANO	14,40	33,91	488,30
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHICHEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
11.05.03.04	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	694,58	1,81	1.257,19
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
11.05.03.05	m³ HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	11,81	104,31	1.231,90
(610.0050)	HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
11.05.03.06	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA	47,25	3,47	163,96
(332.0040)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
TOTAL 11.05.03				3.610,81
TOTAL 11.05.....				3.354.357,54

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.06	AGUAS DE VALENCIA			
11.06.01	AV-B.01			
11.06.01.01	ud LOCALIZACION REDES EXISTENTES	1,00	47,36	47,36
(910.0125_N)	LOCALIZACIÓN DE SERVICIOS, MEDIANTE EXCAVACIÓN POR MEDIOS MECANICOS O MANUALES, INCLUYENDO EL POSTERIOR RELLENO CON LAS TIERRAS PROCEDENTES DE LA PROPIA EXCAVACIÓN, TOTALMENTE TERMINADO.			
11.06.01.02	ud DEMOLICIÓN ARQUETAS EXISTENTES	2,00	266,05	532,10
(940.1001_N)	DEMOLICIÓN DE ARQUETAS DE LA CANALIZACIÓN EXISTENTE. INCLUIDO LA RECOGIDA Y TRANSPORTE DE SOBRANTES A VERTEDERO AUTORIZADO. TODO TOTALMENTE TERMINADO.			
11.06.01.03	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	1446,98	6,70	9.694,77
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
11.06.01.04	m³ HORMIGÓN C12/C15 EN REGULARIZACIÓN, LIMPIEZA Y RELLENOS EN TÚNELES Y OBRAS SUBTERRÁNEAS	11,88	65,99	783,96
(804.0010)	HORMIGÓN C12/15 EN REGULARIZACIÓN, LIMPIEZA Y RELLENOS EN TÚNELES Y OBRAS SUBTERRÁNEAS.			
11.06.01.05	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA	723,49	3,47	2.510,51
(332.0040)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
11.06.01.06	ud HITOS DE SEÑALIZACION DE TUBERIAS	9,00	50,45	454,05
(940.1006_N)	HITO DE HORMIGÓN EN MASA PARA DESLINDE DE EXPROPIACIONES O SERVIDUMBRES DE ALTURA MÍNIMA 0.50 M, CON REPLANTEO Y COLOCACIÓN, INCLUSO CIMENTACIÓN, TOTALMENTE INSTALADO.			
11.06.01.07	m TUBERÍA DE FUNDICIÓN DÚCTIL 200 MM	91,35	41,09	3.753,57
(940.1007_N)	TUBERÍA DE FUNDICIÓN DÚCTIL, 200 MM DE DIÁMETRO NOMINAL, Y CLASE DE PRESIÓN C 40, FABRICADA SEGÚN NORMA UNE EN 545:2011 CON REVESTIMIENTO EXTERIOR DE CINCMETÁLICO, CUBIERTO POR UNA CAPA DE ACABADO DE UN PRODUCTO BITUMINOSO O DE RESI-			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	NA SINTÉTICA COMPATIBLE CON EL CINCO, REVESTIDA INTERIORMENTE CON MORTERO DE CEMENTO, PROBADA, COLOCADA Y MONTADA EN OBRA, INCLUYE P.P. DE UNIÓN FLEXIBLE CUYOS MATERIALES ELASTOMÉRICOS SE AJUSTEN A LOS REQUISITOS DE LA NORMA EN 681-1. NO SE INCLUYEN PIEZAS ESPECIALES, NI EXCAVACIÓN, NI CAMA, NI EXTENDIDO Y RELLENO DE LA TIERRA PROCEDENTE DE LA EXCAVACIÓN. TODO ELLO SE VALORARÁ APARTE SEGÚN LAS NECESIDADES DEL PROYECTO.			
11.06.01.08	ud VÁLVULA MARIPOSA DN 200	2,00	1.068,96	2.137,92
(950.1155_N)	VÁLVULA DE MARIPOSA PARA TUBERÍAS DE DN 200 MM, CON CUERPO Y DISCO DE FUNDICIÓN DÚCTIL PN-16.			
11.06.01.09	ud CARRETE TELESCÓPICO DN 200	2,00	1.513,10	3.026,20
(950.1157_N)	CARRETE TELESCÓPICO DE DESMONTAJE PN16 CON BRIDAS DE ACERO CARBONO, CON TORNILLERÍA DE ACERO INOXIDABLE A2-70. DISEÑADO PARA TUBERÍA DE DN 200 MM.			
11.06.01.10	ud DADO DE ANCLAJE CON CODO PARA CAMBIOS DE DIRECCIÓN DN200	2,00	3.252,35	6.504,70
(950.1178_N)	DADO DE ANCLAJE CON CODO DE FUNDICIÓN DÚCTIL Y ÁNGULOS 1/4, 1/8, 1/16 Y 1/32 PARA CAMBIOS DE DIRECCIÓN EN CONDUCCIONES DE AGUA, PARA DIÁMETROS DE 200 MM, FORMADO CON HORMIGÓN HA-25. INCLUIDO TRASLADO A OBRA, TOTALMENTE INSTALADO.			
11.06.01.11	m LIMPIEZA TUBERÍAS, DESINFECCIÓN E INSPECCIÓN	1,00	21,55	21,55
(903.0351_N)	UNIDAD DE LIMPIEZA DE CONDUCCIONES DE AGUA POTABLE, MEDIANTE LA INTRODUCCIÓN DE AGUA A PRESIÓN EN LA RED, PARA PROVOCAR EL ARRASTRE DE LOS MATERIALES QUE PUEDAN ESTAR ALOJADOS EN EL INTERIOR DE LOS CONDUCTOS CONSIGUIENDO UNA VELOCIDAD NO INFERIOR A 0.9 M/S, Y POSTERIOR VACIADO DE LA RED, INCLUSO DESINFECCIÓN DE LA MISMA SEGUN NORMATIVA Y PROCEDIMIENTOS DE LA EMPRESA SUMINISTRADORA,. INCLUSO INSPECCIÓN DE LA TUBERIA CON GRABACIÓN DE VIDEO POR MEDIO DE ROBOT E INFORME FINAL.			
11.06.01.12	ud TAPA Y MARCO DE FUNDICIÓN ESPECIAL SEGURIDAD CON PISTON HIDRAULICO DN850 MM	2,00	1.292,32	2.584,64
(903.2010_N)	INSTALACIÓN DE TAPA CIRCULAR CON MARCO Y CIERRE ESPECIAL DE SEGURIDAD DIÁMETRO 800 MM, DE FUNDICIÓN DÚCTIL CLASE D400 SEGÚN LA EN-124 CON CERTIFICADO DE CALIDAD Y MARCO CUADRADO Y PASO LIBRE ≥ 800 MM Y JUNTA DE CAUCHO DE INSONORIZACIÓN Y ANTIVIBRACIÓN DE CLOROPRENO ADHERIDA A LA TAPA. EQUIPADO CON TAPA CIRCULAR 861 MM DE ALTA SEGURIDAD CON DOBLE BLOQUEO EN LA ARTICULACIÓN Y CIERRE HORIZONTAL EMPOTRADO Y DESPLAZADO DEL ALOJAMIENTO DE LA LLAVE. CIERRE MEDIANTE CILINDRO GIRATORIO PARA LLAVE CODIFICADA CON SISTE-			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	MA ANTIPÁNICO MEDIANTE PALANCA DE APERTURA DESDE EL INTERIOR. TOTALMENTE INSTALADO Y MONTADO. SEGUN NORMATIVA COMPAÑIA SUMINISTRADORA.			
11.06.01.13	kg PINTURA BITUMINOSA	17,36	2,58	44,79
(903.2014_N)	PINTURA BITUMINOSA.			
11.06.01.14	ud REJILLA Y MARCO DE 1,80 X 1,00 M	4,00	75,34	301,36
(903.2013_N)	rd\uc1{\header\pard\fi0\li0\ri0\ql\sb0\sa0\sl0\fs16\b0\i0\ulnone\strike0\cf0}{\footert\pard\fi0\li0\ri0\ql\sb0\sa0\sl0\fs16\b0\i0\ulnone\strike0\cf0}{\plain\pard\uc1\pard\fi0\li0\ri0\ql\sb0\sa0\sl0\fs16\b0\i0\ulnone\strike0\cf0 ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DE			
11.06.01.15	m² LOSA PREFABRICADA DE HORMIGÓN EN TAPAS DE ARQUETAS	17,36	40,40	701,34
(903.2012_N)	LOSA PREFABRICADA DE HORMIGÓN EN TAPAS DE ARQUETAS , INCLUSO P.P. DE CERCO Y ARGOLLAS			
11.06.01.16	ud PATE DE ACERO REVESTIDO CON POLIPROPILENO	44,00	7,13	313,72
(418.0010)	PATE DE ACERO REVESTIDO CON POLIPROPILENO			
11.06.01.17	m DESMONTAJE DE CONDUCCIÓN DE FIBROCEMENTO	92,40	29,21	2.699,00
(301.0160)	DESMONTAJE DE CONDUCCIÓN DE FIBROCEMENTO i/ CARGA, RETIRADA Y TRANSPORTE DE RESIDUOS A LUGAR DE EMPLEO Y/O GESTOR AUTORIZADO HASTA UNA DISTANCIA DE 60 km.			
TOTAL 11.06.01				36.111,54
TOTAL 11.06.....				36.111,54
11.07	NEDGIA			
11.07.01	NED-B.01			
11.07.01.01	ud LOCALIZACION REDES EXISTENTES	1,00	47,36	47,36
(910.0125_N)	LOCALIZACIÓN DE SERVICIOS, MEDIANTE EXCAVACIÓN POR MEDIOS MECANICOS O MANUALES, INCLUYENDO EL POSTERIOR RELLENO CON LAS TIERRAS PROCEDENTES DE LA PROPIA EXCAVACIÓN, TOTALMENTE TERMINADO.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.07.01.02	m DESMONTAJE TUBERÍA GN EXISTENTE	583,80	8,95	5.225,01
(970.1003_N)	DESMONTAJE TUBERÍA EXISTENTE. INCLUIDO LA RECOGIDA Y TRANSPORTE DE SOBRANTES A VERTEDERO AUTORIZADO. TO-DO TOTALMENTE TERMINADO.			
11.07.01.03	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	357,71	6,70	2.396,66
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
11.07.01.04	m SUMINISTRO Y MONTAJE DE TUBERÍA ACERO NEGRO CON SOLDADURA, DE 4" DE DIÁMETRO (DN-100)	582,75	28,67	16.707,44
(1110.0014)	SUMINISTRO Y MONTAJE DE TUBERÍA ACERO NEGRO CONFORME A NORMA UNE-EN 10255 (W) CON SOLDADURA, DE 4" DE DIÁMETRO (DN-100) INCLUSO PARTE PROPORCIONAL DE UNIONES, SOPORTES, ACCESORIOS, PLATAFORMAS MÓVILES, MANO DE OBRA PRUEBA HIDRÁULICA CON ACABADO ESMALTE ROJO RAL-3000. COMPLETAMENTE INSTALADA			
11.07.01.05	m SUMINISTRO Y MONTAJE DE TUBERÍA PARA ENCAMISAR DE ACERO NEGRO CON SOLDADURA, DE 12" DE DIÁMETRO (DN-200)	357,71	112,19	40.131,48
(1110.0012_N)	SUMINISTRO Y MONTAJE DE TUBERÍA ACERO NEGRO PARA ENCAMISAR CONFORME A NORMA UNE-EN 10255 (W) CON SOLDADURA, DE 12" DE DIÁMETRO INCLUSO PARTE PROPORCIONAL DE UNIONES, SOPORTES, ACCESORIOS, PLATAFORMAS MÓVILES, MANO DE OBRA PRUEBA HIDRÁULICA CON ACABADO ESMALTE ROJO RAL-3000. COMPLPETAMENTE INSTALADA DE ACUERDO A LAS ESPECIFICACIONES DE NEDGIA.			
11.07.01.06	m³ RELLENO LOCALIZADO, HUMECTADO Y COMPACTADO CON ARENA LAVADA DE RÍO	35,30	15,73	555,27
(960.1069_N)	RELLENO LOCALIZADO, HUMECTADO Y COMPACTADO CON ARENA LAVADA DE RÍO PARA LECHO DE ASIENTO DE LA TUBERÍA DE CONDUCCIÓN.			
11.07.01.07	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA	211,80	3,47	734,95
(332.0040)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.07.01.08	m³ RELLENO LOCALIZADO, HUMECTADO Y COMPACTADO CON ARENA DE MIGA	110,61	21,05	2.328,34
(960.1070_N)	RELLENO LOCALIZADO, HUMECTADO Y COMPACTADO CON ARENA DE MIGA SIN MATERIALES QUE PUEDAN DAÑAR LA TUBERÍA DE CONDUCCIÓN.			
11.07.01.09	ud LEGALIZACIÓN INSTALACIÓN DE GAS	1,00	1.823,20	1.823,20
(970.1002_N)	REDACCIÓN DEL PROYECTO/S NECESARIOS PARA LA LEGALIZACIÓN DE LAS INSTALACIONES DE GAS ANTE LOS ORGANISMOS OFICIALES. INCLUIDOS CERTIFICADOS OCA, VISADOS, LICENCIAS Y PERMISOS, TANTO DE PARTICULARES COMO DE ORGANISMOS OFICIALES AFECTADOS.			
11.07.01.10	ud SUPERVISIÓN COMPAÑÍA GAS	1,00	1.968,32	1.968,32
(970.1001_N)	SUPERVISIÓN DE LA COMPAÑÍA PROPIETARIA DEL SERVICIO, DURANTE LA REALIZACIÓN DE LAS OBRAS.			
TOTAL 11.07.01				71.918,03
11.07.02	NED-B.02			
11.07.02.01	ud LOCALIZACION REDES EXISTENTES	1,00	47,36	47,36
(910.0125_N)	LOCALIZACIÓN DE SERVICIOS, MEDIANTE EXCAVACIÓN POR MEDIOS MECANICOS O MANUALES, INCLUYENDO EL POSTERIOR RELLENO CON LAS TIERRAS PROCEDENTES DE LA PROPIA EXCAVACIÓN, TOTALMENTE TERMINADO.			
11.07.02.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	14,31	6,70	95,88
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
11.07.02.03	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA	7,22	3,47	25,05
(332.0040)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.07.02.04	m³ RELLENO LOCALIZADO, HUMECTADO Y COMPACTADO CON ARENA DE MIGA	5,10	21,05	107,36
(960.1070_N)	RELLENO LOCALIZADO, HUMECTADO Y COMPACTADO CON ARENA DE MIGA SIN MATERIALES QUE PUEDAN DAÑAR LA TUBERÍA DE CONDUCCIÓN.			
11.07.02.05	ud ARQUETA PREFABRICADA DE HORMIGÓN CON FONDO DE 100X100X100CM DE DIMENSIONES INTERIORES CON TAPA DE FUNDICIÓN DUCTIL CLASE D-400	1,00	898,93	898,93
(EIQH.2ahacd_N)	Arqueta prefabricada de hormigón con fondo de 100x100x100cm de dimensiones interiores con tapa de fundición ductil clase D-400, incluida la formación de la base de hormigón HA-30/B/20/X0+XA2 de 10cm de espesor, la parte proporcional de embocaduras, recibido de canalizaciones, juntas y cierres herméticos, sin incluir la excavación, ni el relleno perimetral posterior, totalmente ejecutada según DB HS-5 del CTE.			
11.07.02.06	m³ RELLENO LOCALIZADO, HUMECTADO Y COMPACTADO CON ARENA LAVADA DE RÍO	1,13	15,73	17,77
(960.1069_N)	RELLENO LOCALIZADO, HUMECTADO Y COMPACTADO CON ARENA LAVADA DE RÍO PARA LECHO DE ASIENTO DE LA TUBERÍA DE CONDUCCIÓN.			
11.07.02.07	m SUMINISTRO Y MONTAJE DE TUBERÍA ACERO NEGRO CON SOLDADURA, DE 10" DE DIÁMETRO	18,90	87,78	1.659,04
(1110.0015_N)	SUMINISTRO Y MONTAJE DE TUBERÍA ACERO NEGRO CONFORME A NORMA UNE-EN 10255 (W) CON SOLDADURA, DE 10" DE DIÁMETRO INCLUSO PARTE PROPORCIONAL DE UNIONES, SOPORTES, ACCESORIOS, PLATAFORMAS MÓVILES, MANO DE OBRA PRUEBA HIDRÁULICA CON ACABADO ESMALTE ROJO RAL-3000. COMPLETAMENTE INSTALADA			
11.07.02.08	m³ HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA	0,46	66,48	30,58
(610.0010)	HORMIGÓN DE LIMPIEZA C12/15 EN CIMIENTOS DE SOLERAS Y DE PEQUEÑAS OBRAS DE FÁBRICA PUESTO EN OBRA.			
11.07.02.09	ud DEMOLICIÓN ARQUETAS EXISTENTES	1,00	266,05	266,05
(940.1001_N)	DEMOLICIÓN DE ARQUETAS DE LA CANALIZACIÓN EXISTENTE. INCLUIDO LA RECOGIDA Y TRANSPORTE DE SOBRANTES A VERTEDERO AUTORIZADO. TODO TOTALMENTE TERMINADO.			
11.07.02.10	ud SUPERVISIÓN COMPAÑÍA GAS	1,00	1.968,32	1.968,32
(970.1001_N)	SUPERVISIÓN DE LA COMPAÑÍA PROPIETARIA DEL SERVICIO, DURANTE LA REALIZACIÓN DE LAS OBRAS.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.07.02.11	ud LEGALIZACIÓN INSTALACIÓN DE GAS	1,00	1.823,20	1.823,20
(970.1002_N)	REDACCIÓN DEL PROYECTO/S NECESARIOS PARA LA LEGALIZACIÓN DE LAS INSTALACIONES DE GAS ANTE LOS ORGANISMOS OFICIALES. INCLUIDOS CERTIFICADOS OCA, VISADOS, LICENCIAS Y PERMISOS, TANTO DE PARTICULARES COMO DE ORGANISMOS OFICIALES AFECTADOS.			
TOTAL 11.07.02.....				6.939,54
11.07.03	NED-B.03			
11.07.03.01	ud LOCALIZACION REDES EXISTENTES	1,00	47,36	47,36
(910.0125_N)	LOCALIZACIÓN DE SERVICIOS, MEDIANTE EXCAVACIÓN POR MEDIOS MECANICOS O MANUALES, INCLUYENDO EL POSTERIOR RELLENO CON LAS TIERRAS PROCEDENTES DE LA PROPIA EXCAVACIÓN, TOTALMENTE TERMINADO.			
11.07.03.02	ud SUPERVISIÓN COMPAÑÍA GAS	1,00	1.968,32	1.968,32
(970.1001_N)	SUPERVISIÓN DE LA COMPAÑÍA PROPIETARIA DEL SERVICIO, DURANTE LA REALIZACIÓN DE LAS OBRAS.			
11.07.03.03	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	73,33	6,70	491,31
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
11.07.03.04	m² ENCOFRADO VISTO PLANO	234,00	33,91	7.934,94
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHIHEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
11.07.03.05	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	1750,00	1,81	3.167,50
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.07.03.06	m³ HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	24,44	104,31	2.549,34
(610.0050)	HORMIGÓN C25/30 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
11.07.03.07	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA	48,89	3,47	169,65
(332.0040)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
TOTAL 11.07.03				16.328,42
11.07.04	NED-B.04			
11.07.04.01	ud LOCALIZACION REDES EXISTENTES	1,00	47,36	47,36
(910.0125_N)	LOCALIZACIÓN DE SERVICIOS, MEDIANTE EXCAVACIÓN POR MEDIOS MECANICOS O MANUALES, INCLUYENDO EL POSTERIOR RELLENO CON LAS TIERRAS PROCEDENTES DE LA PROPIA EXCAVACIÓN, TOTALMENTE TERMINADO.			
11.07.04.02	ud SUPERVISIÓN COMPAÑÍA GAS	1,00	1.968,32	1.968,32
(970.1001_N)	SUPERVISIÓN DE LA COMPAÑÍA PROPIETARIA DEL SERVICIO, DURANTE LA REALIZACIÓN DE LAS OBRAS.			
11.07.04.03	m DESMONTAJE TUBERÍA GN EXISTENTE	447,30	8,95	4.003,34
(970.1003_N)	DESMONTAJE TUBERÍA EXISTENTE. INCLUIDO LA RECOGIDA Y TRANSPORTE DE SOBRANTES A VERTEDERO AUTORIZADO. TODO TOTALMENTE TERMINADO.			
11.07.04.04	ud LEGALIZACIÓN INSTALACIÓN DE GAS	1,00	1.823,20	1.823,20
(970.1002_N)	REDACCIÓN DEL PROYECTO/S NECESARIOS PARA LA LEGALIZACIÓN DE LAS INSTALACIONES DE GAS ANTE LOS ORGANISMOS OFICIALES. INCLUIDOS CERTIFICADOS OCA, VISADOS, LICENCIAS Y PERMISOS, TANTO DE PARTICULARES COMO DE ORGANISMOS OFICIALES AFECTADOS.			
11.07.04.05	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	310,09	6,70	2.077,60
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSI-			
RD6373-F3-PR-LE-D04				99

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	TO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
11.07.04.06	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA	161,78	3,47	561,38
(332.0040)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
11.07.04.07	m³ RELLENO LOCALIZADO, HUMECTADO Y COMPACTADO CON ARENA LAVADA DE RÍO	26,96	15,73	424,08
(960.1069_N)	RELLENO LOCALIZADO, HUMECTADO Y COMPACTADO CON ARENA LAVADA DE RÍO PARA LECHO DE ASIENTO DE LA TUBERÍA DE CONDUCCIÓN.			
11.07.04.08	m SUMINISTRO Y MONTAJE DE TUBERÍA ACERO NEGRO CON SOLDADURA, DE 10" DE DIÁMETRO	449,40	87,78	39.448,33
(1110.0015_N)	SUMINISTRO Y MONTAJE DE TUBERÍA ACERO NEGRO CONFORME A NORMA UNE-EN 10255 (W) CON SOLDADURA, DE 10" DE DIÁMETRO INCLUSO PARTE PROPORCIONAL DE UNIONES, SOPORTES, ACCESORIOS, PLATAFORMAS MÓVILES, MANO DE OBRA PRUEBA HIDRÁULICA CON ACABADO ESMALTE ROJO RAL-3000. COMPLETAMENTE INSTALADA			
11.07.04.09	m³ RELLENO LOCALIZADO, HUMECTADO Y COMPACTADO CON ARENA DE MIGA	121,34	21,05	2.554,21
(960.1070_N)	RELLENO LOCALIZADO, HUMECTADO Y COMPACTADO CON ARENA DE MIGA SIN MATERIALES QUE PUEDAN DAÑAR LA TUBERÍA DE CONDUCCIÓN.			
TOTAL 11.07.04				52.907,82
11.07.05	NED-B.05			
11.07.05.01	ud LOCALIZACION REDES EXISTENTES	1,00	47,36	47,36
(910.0125_N)	LOCALIZACIÓN DE SERVICIOS, MEDIANTE EXCAVACIÓN POR MEDIOS MECANICOS O MANUALES, INCLUYENDO EL POSTERIOR RELLENO CON LAS TIERRAS PROCEDENTES DE LA PROPIA EXCAVACIÓN, TOTALMENTE TERMINADO.			
11.07.05.02	ud SUPERVISIÓN COMPAÑÍA GAS	1,00	1.968,32	1.968,32
(970.1001_N)	SUPERVISIÓN DE LA COMPAÑÍA PROPIETARIA DEL SERVICIO, DURANTE LA REALIZACIÓN DE LAS OBRAS.			
RD6373-F3-PR-LE-D04				99

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.07.05.03	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	7,56	6,70	50,65
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEOS DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
11.07.05.04	m² ENCOFRADO VISTO PLANO	25,20	33,91	854,53
(680.0030)	ENCOFRADO PARA PARAMENTOS VISTOS PLANOS Y POSTERIOR DESENCOFRADO, EJECUTADO CON MADERA MACHIHEMBRADA i/ LIMPIEZA, HUMEDECIDO, APLICACIÓN DE DESENCOFRANTE, P.P. DE ELEMENTOS COMPLEMENTARIOS PARA SU ESTABILIDAD Y ADECUADA EJECUCIÓN.			
11.07.05.05	kg ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS	176,40	1,81	319,28
(600.0010)	ACERO EN BARRAS CORRUGADAS B 500 B O B 500 C, CON CARACTERÍSTICAS DE DUCTILIDAD MEJORADAS, COLOCADO EN ARMADURAS PASIVAS, i/ CORTE Y DOBLADO, COLOCACIÓN SOLAPES, DESPUNTES Y P.P. DE ATADO CON ALAMBRE RECOCIDO Y SEPARADORES.			
11.07.05.06	m³ HORMIGÓN C35/45 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS	2,52	116,89	294,56
(610.0100)	HORMIGÓN C35/45 EN ALZADOS DE PILAS, ESTRIBOS, CABECEROS, VIGAS, TABLEROS, LOSAS, MUROS Y MARCOS.			
11.07.05.07	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA	5,04	3,47	17,49
(332.0040)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
TOTAL 11.07.05				3.552,19
TOTAL 11.07				151.646,00

11.08 RIEGO

11.08.01 RIE-B.01

11.08.01.01	ud LOCALIZACION REDES EXISTENTES	1,00	47,36	47,36
(910.0125_N)	LOCALIZACIÓN DE SERVICIOS, MEDIANTE EXCAVACIÓN POR MEDIOS MECANICOS O MANUALES, INCLUYENDO EL POSTERIOR RELLENO CON LAS TIERRAS PROCEDENTES DE LA PROPIA EXCAVACIÓN, TOTALMENTE TERMINADO.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.08.01.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	925,12	6,70	6.198,30
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEOS DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
11.08.01.03	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA	495,60	3,47	1.719,73
(332.0040)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
11.08.01.04	m DESMONTAJE TUBERÍAS DE RIEGO EXISTENTES	590,00	16,15	9.528,50
(980.1001_N)	DEMOLICIÓN DE ACEQUIAS DE RIEGO, INCLUSO EXCAVACIÓN Y TRANSPORTE DE TIERRAS A VERTEDERO O LUGAR DE EMPLEO. INCLUYE DESMONTAJE DE TUBERÍAS DE QUE PUEDA INCLUIR LA CANALIZACIÓN DE RIEGO EXISTENTE.			
11.08.01.05	m DEMOLICIÓN PROTECCIÓN HORMIGÓN TUBERÍAS EXISTENTES	121,00	18,63	2.254,23
(980.1006_N)	DEMOLICIÓN DE DADOS DE HORMIGÓN POR LOS QUE CIRCULA LA CANALIZACIÓN DE RIEGO EXISTENTE, INCLUSO RETIRADA DE ESCOMBROS.			
TOTAL 11.08.01				19.748,12

11.08.02 RIE-B.02

11.08.02.01	ud LOCALIZACION REDES EXISTENTES	1,00	47,36	47,36
(910.0125_N)	LOCALIZACIÓN DE SERVICIOS, MEDIANTE EXCAVACIÓN POR MEDIOS MECANICOS O MANUALES, INCLUYENDO EL POSTERIOR RELLENO CON LAS TIERRAS PROCEDENTES DE LA PROPIA EXCAVACIÓN, TOTALMENTE TERMINADO.			
11.08.02.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	928,26	6,70	6.219,34
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEOS DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.08.02.03	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA	493,92	3,47	1.713,90
(332.0040)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
11.08.02.04	m DESMONTAJE TUBERÍAS DE RIEGO EXISTENTES	592,00	16,15	9.560,80
(980.1001_N)	DEMOLICIÓN DE ACEQUIAS DE RIEGO, INCLUSO EXCAVACIÓN Y TRANSPORTE DE TIERRAS A VERTEDERO O LUGAR DE EMPLEO. INCLUYE DESMONTAJE DE TUBERÍAS DE QUE PUEDA INCLUIR LA CANALIZACIÓN DE RIEGO EXISTENTE.			
11.08.02.05	m DEMOLICIÓN PROTECCIÓN HORMIGÓN TUBERÍAS EXISTENTES	28,00	18,63	521,64
(980.1006_N)	DEMOLICIÓN DE DADOS DE HORMIGÓN POR LOS QUE CIRCULA LA CANALIZACIÓN DE RIEGO EXISTENTE, INCLUSO RETIRADA DE ESCOMBROS.			
TOTAL 11.08.02				18.063,04
11.08.03	RIE-B.03			
11.08.03.01	ud LOCALIZACION REDES EXISTENTES	1,00	47,36	47,36
(910.0125_N)	LOCALIZACIÓN DE SERVICIOS, MEDIANTE EXCAVACIÓN POR MEDIOS MECANICOS O MANUALES, INCLUYENDO EL POSTERIOR RELLENO CON LAS TIERRAS PROCEDENTES DE LA PROPIA EXCAVACIÓN, TOTALMENTE TERMINADO.			
11.08.03.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	573,89	6,70	3.845,06
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
11.08.03.03	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA	241,56	3,47	838,21
(332.0040)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.08.03.04	m DEMOLICIÓN PROTECCIÓN HORMIGÓN TUBERÍAS EXISTENTES	14,00	18,63	260,82
(980.1006_N)	DEMOLICIÓN DE DADOS DE HORMIGÓN POR LOS QUE CIRCULA LA CANALIZACIÓN DE RIEGO EXISTENTE, INCLUSO RETIRADA DE ESCOMBROS.			
TOTAL 11.08.03				4.991,45
11.08.04	RIE-B.04			
11.08.04.01	ud LOCALIZACION REDES EXISTENTES	1,00	47,36	47,36
(910.0125_N)	LOCALIZACIÓN DE SERVICIOS, MEDIANTE EXCAVACIÓN POR MEDIOS MECANICOS O MANUALES, INCLUYENDO EL POSTERIOR RELLENO CON LAS TIERRAS PROCEDENTES DE LA PROPIA EXCAVACIÓN, TOTALMENTE TERMINADO.			
11.08.04.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	598,98	6,70	4.013,17
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
11.08.04.03	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA	320,88	3,47	1.113,45
(332.0040)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
11.08.04.04	m DESMONTAJE TUBERÍAS DE RIEGO EXISTENTES	382,00	16,15	6.169,30
(980.1001_N)	DEMOLICIÓN DE ACEQUIAS DE RIEGO, INCLUSO EXCAVACIÓN Y TRANSPORTE DE TIERRAS A VERTEDERO O LUGAR DE EMPLEO. INCLUYE DESMONTAJE DE TUBERÍAS DE QUE PUEDA INCLUIR LA CANALIZACIÓN DE RIEGO EXISTENTE.			
11.08.04.05	m DEMOLICIÓN PROTECCIÓN HORMIGÓN TUBERÍAS EXISTENTES	13,00	18,63	242,19
(980.1006_N)	DEMOLICIÓN DE DADOS DE HORMIGÓN POR LOS QUE CIRCULA LA CANALIZACIÓN DE RIEGO EXISTENTE, INCLUSO RETIRADA DE ESCOMBROS.			
TOTAL 11.08.04				11.585,47

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.08.05	RIE-B.05			
11.08.05.01	ud LOCALIZACION REDES EXISTENTES	1,00	47,36	47,36
(910.0125_N)	LOCALIZACIÓN DE SERVICIOS, MEDIANTE EXCAVACIÓN POR MEDIOS MECANICOS O MANUALES, INCLUYENDO EL POSTE-RIOR RELLENO CON LAS TIERRAS PROCEDENTES DE LA PROPIA EXCAVACIÓN, TOTALMENTE TERMINADO.			
11.08.05.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	368,48	6,70	2.468,82
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA AN-CHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIEN-TO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
11.08.05.03	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA	197,40	3,47	684,98
(332.0040)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATE-RIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COM-PACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORO-NACIÓN Y REFINO DE TALUDES (EN SU CASO).			
11.08.05.04	m DESMONTAJE TUBERÍAS DE RIEGO EXISTENTES	235,00	16,15	3.795,25
(980.1001_N)	DEMOLICIÓN DE ACEQUIAS DE RIEGO, INCLUSO EXCAVACIÓN Y TRANSPORTE DE TIERRAS A VERTEDERO O LUGAR DE EM-PLEO. INCLUYE DESMONTAJE DE TUBERÍAS DE QUE PUEDA IN-CLUIR LA CANALIZACIÓN DE RIEGO EXISTENTE.			
11.08.05.05	m DEMOLICIÓN PROTECCIÓN HORMIGÓN TUBERÍAS EXISTENTES	235,00	18,63	4.378,05
(980.1006_N)	DEMOLICIÓN DE DADOS DE HORMIGÓN POR LOS QUE CIRCU-LA LA CANALIZACIÓN DE RIEGO EXISTENTE, INCLUSO RETIRADA DE ESCOMBROS.			
TOTAL 11.08.05				11.374,46

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.08.06	RIE-B.06			
11.08.06.01	ud LOCALIZACION REDES EXISTENTES	1,00	47,36	47,36
(910.0125_N)	LOCALIZACIÓN DE SERVICIOS, MEDIANTE EXCAVACIÓN POR MEDIOS MECANICOS O MANUALES, INCLUYENDO EL POSTE-RIOR RELLENO CON LAS TIERRAS PROCEDENTES DE LA PROPIA EXCAVACIÓN, TOTALMENTE TERMINADO.			
11.08.06.02	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	498,60	6,70	3.340,62
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA AN-CHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIEN-TO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
11.08.06.03	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA	216,90	3,47	752,64
(332.0040)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATE-RIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COM-PACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORO-NACIÓN Y REFINO DE TALUDES (EN SU CASO).			
11.08.06.04	m³ RELLENO CON ARENA DE RÍO LAVADA	1,73	63,26	109,31
(332.0061_N)	RELLENO CON MATERIAL GRANULAR PROCEDENTE DE PRÉSTA-MO, YACIMIENTO GRANULAR Y/O CANTERA EN TRASDÓS DE ESTRUCTURAS U OBRAS DE DRENAJE i/ CANON DE PRÉSTAMO O CANTERA, CARGA Y TRANSPORTE HASTA UNA DISTANCIA DE 30 km, EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN POR TONGADAS Y TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
11.08.06.05	m CINTA DE ATENCIÓN Y ADVERTENCIA	446,00	4,09	1.824,14
(980.3090_N)	CINTA DE ATENCIÓN Y ADVERTENCIA, HOMOLOGADA POR LA COM-PAÑÍA SUMINISTRADORA.			
11.08.06.06	m LIMPIEZA TUBERÍAS, DESINFECCIÓN E INSPECCIÓN	1,00	21,55	21,55
(903.0351_N)	UNIDAD DE LIMPIEZA DE CONDUCCIONES DE AGUA POTABLE, ME-DIANTE LA INTRODUCCIÓN DE AGUA A PRESIÓN EN LA RED, PARA PROVOCAR EL ARRASTRE DE LOS MATERIALES QUE PUEDAN ESTAR ALOJADOS EN EL INTERIOR DE LOS CONDUCTOS CONSIGUIENDO UNA VELOCIDAD NO INFERIOR A 0.9 M/S, Y POSTERIOR VACIADO DE LA RED, INCLUSO DESINFECCIÓN DE LA MISMA SEGUN NORMATIVA Y PROCEDIMIENTOS DE LA EMPRESA SUMINISTRADORA,. INCLUSO INS-PECCIÓN DE LA TUBERIA CON GRABACIÓN DE VIDEO POR MEDIO DE			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	ROBOT E INFORME FINAL.			
11.08.06.07	ud PRUEBAS Y PUESTA EN SERVICIO TUBERIAS	1,00	958,51	958,51
(903.0352_N)	PUESTA EN SERVICIO QUE INCLUYE: LLENADO Y PUESTA EN CARGA DE LA TUBERÍA, APERTURA DE VÁLVULAS, CORRECCIÓN DE PRESIONES Y RESTITUCIÓN DEL SERVICIO A LA ZONA AFEC-TADA.			
11.08.06.08	m DESMONTAJE TUBERÍAS DE RIEGO EXISTENTES	320,00	16,15	5.168,00
(980.1001_N)	DEMOLICIÓN DE ACEQUIAS DE RIEGO, INCLUSO EXCAVACIÓN Y TRANSPORTE DE TIERRAS A VERTEDERO O LUGAR DE EM- PLEO. INCLUYE DESMONTAJE DE TUBERÍAS DE QUE PUEDA IN- CLUIR LA CANALIZACIÓN DE RIEGO EXISTENTE.			
11.08.06.09	m DEMOLICIÓN PROTECCIÓN HORMIGÓN TUBERÍAS EXISTENTES	165,00	18,63	3.073,95
(980.1006_N)	DEMOLICIÓN DE DADOS DE HORMIGÓN POR LOS QUE CIRCU- LA LA CANALIZACIÓN DE RIEGO EXISTENTE, INCLUSO RETIRADA DE ESCOMBROS.			
11.08.06.10	ud ARQUETA DE CONEXIÓN RIEGO	2,00	152,16	304,32
(980.1009_N)	INSTALACIÓN DE ARQUETA DE HORMIGÓN PREFABRICADA DE CONEXIÓN DE TUBERÍAS DE RIEGO, DE DIMENSIONES 120 X 120 CM, INCLUSO PARTE PROPORCIONAL DE ACCESORIOS Y CONEXIONES.			
11.08.06.11	m TUBO DE RIEGO DE PVC	446,00	29,75	13.268,50
(980.1007_N)	EXTENSIÓN DE LAS TUBERÍAS EXISTENTES DE RIEGO DE PVC, DE LAS MISMAS CARACTERÍSTICAS QUE LAS EXISTENTES PARA CO- NECTAR CON LAS ZONAS NO AFECTADAS POR LA REPOSICIÓN. INCLUSO PARTE PROPORCIONAL DE ACCESORIOS Y DADOS DE ANCLAJE SI FUERAN NECESARIOS.			
11.08.06.12	ud CONEXIÓN CON TUBERÍAS Y ACEQUIAS DE RIEGO EXISTENTES	2,00	42,76	85,52
(980.1003_N)	CONEXIÓN CON TUBERÍAS DE RIEGO EXISTENTES. INCLUYE MA- NO DE OBRA, CORTE DE TUBERÍA EXISTENTE, OBRA CIVIL Y ME- DIOS AUXILIARES. INCLUSO ACCESORIOS PARA LA MISMA.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.08.06.13	m³ HORMIGÓN NO ESTRUCTURAL RELLENO ZANJA	140,85	97,52	13.735,69
(96.1103_N)	HORMIGÓN NO ESTRUCTURAL RELLENO ZANJA			
11.08.06.14	ud REDACCIÓN DEL PROYECTO DE LA REPOSICIÓN DE RIEGO	1,00	63.600,00	63.600,00
(903.3091_N)				
			TOTAL 11.08.06.....	106.290,11
			TOTAL 11.08.....	172.052,65
11.09	DGT			
11.09.01	DGT-B.01			
11.09.01.01	ud LOCALIZACION REDES EXISTENTES	1,00	47,36	47,36
(910.0125_N)	LOCALIZACIÓN DE SERVICIOS, MEDIANTE EXCAVACIÓN POR MEDIOS MECANICOS O MANUALES, INCLUYENDO EL POSTE- RIOR RELLENO CON LAS TIERRAS PROCEDENTES DE LA PROPIA EXCAVACIÓN, TOTALMENTE TERMINADO.			
11.09.01.02	m DESMONTAJE CANALIZACIÓN	3278,10	14,78	48.450,32
(920.0075_N)	DESMONTAJE DE CANALIZACIÓN EXISTENTE Y QUE QUEDARÁ FUERA DE SERVICIO AL REALIZARSE EL DESVÍO. INCLUIDO CAR- GA Y TRANSPORTE DE SOBANTES A VERTEDERO.			
11.09.01.03	ud DEMOLICIÓN DE ARQUETAS	12,00	16,05	192,60
(930.1005_N)	DEMOLICIÓN DE ARQUETAS			
11.09.01.04	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	1586,11	6,70	10.626,94
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSI- TO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA AN- CHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIEN- TO Y DRENAJE DURANTE LA EJECUCIÓN, SANE0 DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
11.09.01.05	m³ HORMIGÓN C20/25	1320,75	86,69	114.495,82
(610.0020)	HORMIGÓN C20/25 VERTIDO, VIBRADO Y TOTALMENTE COLO- CADO.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.09.01.06	mTUBO DE PVC DE DIÁMETRO 110 MM	6713,70	11,62	78.013,19
(417.0020)	TUBO DE PVC DE DIÁMETRO 110mm SOBRE CAMA DE ARENA DE 10 cm DE ESPESOR , RELLENO CON ARENA HASTA 25 cm POR ENCIMA DEL TUBO CON P.P. DE MEDIOS AUXILIARES COLOCADO.HASTA 25 CM POR ENCIMA DEL TUBO CON P.P. DE MEDIOS AUXILIARES COLOCADO . SIN INCLUIR EXCAVACIÓN.			
11.09.01.07	mSUMINISTRO Y MONTAJE DE TRITUBO DE PE DE 40 MM DE DIAMETRO EXTERIOR	3356,85	8,61	28.902,48
(1105.0117_N)	SUMINISTRO Y MONTAJE DE TRITUBO DE PE DE 40 MM DE DIAMETRO EXTERIOR. COMLETAMENTE INSTALADO.			
11.09.01.08	mCABLE ELÉCTRICO PARA BAJA TENSIÓN "PRYSMIAN GROUP". 2x35 mm²	151,20	17,56	2.655,07
(1105.0120_N)	Cable eléctrico multiconductor, Afumex Class ATEX (AS) "PRYSMIAN", tipo RZ1MZ1-K (AS), tensión nominal 0,6/1 kV, de alta seguridad en caso de incendio (AS), reacción al fuego clase Cca-s1b,d1,a1, con conductores de cobre recocido, flexible (clase 5), de 2x35 mm² de sección, aislamiento de polietileno reticulado (XLPE), armadura de alta densidad de hilos de acero galvanizado, cubierta de poliolefina termoplástica, de tipo Afumex Z1, y con las siguientes características: no propagación de la llama, no propagación del incendio, baja emisión de humos opacos, reducida emisión de gases tóxicos, libre de halógenos, nula emisión de gases corrosivos, resistencia a la absorción de agua, resistencia al frío y apto para atmósferas explosivas (zonas ATEX). Incluye: Tendido del cable. Conexionado. Comprobación de su correcto funcionamiento. Criterio de medición de proyecto: Longitud medida según documentación gráfica de Proyecto. Criterio de medición de obra: Se medirá la longitud realmente ejecutada según especificaciones de Proyecto.			
11.09.01.09	mCABLE ELÉCTRICO PARA BAJA TENSIÓN "PRYSMIAN GROUP". 4x35 mm²	3356,85	23,13	77.643,94
(1105.0121_N)	Cable eléctrico multiconductor, Afumex Class ATEX (AS) "PRYSMIAN", tipo RZ1MZ1-K (AS), tensión nominal 0,6/1 kV, de alta seguridad en caso de incendio (AS), reacción al fuego clase Cca-s1b,d1,a1, con conductores de cobre recocido, flexible (clase 5), de 4x35 mm² de sección, aislamiento de polietileno reticulado (XLPE), armadura de alta densidad de hilos de acero galvanizado, cubierta de poliolefina termoplástica, de tipo Afumex Z1, y con las siguientes características: no propagación de la llama, no propagación del incendio, baja emisión de humos opacos, reducida emisión de gases tóxicos, libre de halógenos, nula emisión de gases corrosivos, resistencia a la absorción de agua, resistencia al frío y apto para atmósferas explosivas (zonas ATEX). Incluye: Tendido del cable. Conexionado. Comprobación de su			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	correcto funcionamiento. Criterio de medición de proyecto: Longitud medida según documentación gráfica de Proyecto. Criterio de medición de obra: Se medirá la longitud realmente ejecutada según especificaciones de Proyecto.			
11.09.01.10	mSUMINISTRO, INSTALACIÓN Y CONEXIONADO DE CABLE 4 FO CON CUBIERTA TKEST	3356,85	2,31	7.754,32
(1109.0024_N)	SUMINISTRO, INSTALACIÓN Y CONEXIONADO DE CABLE 4 FO CON CUBIERTA TKEST			
11.09.01.11	mSUMINISTRO, INSTALACIÓN Y CONEXIONADO DE CABLE 36 FO CON CUBIERTA TKEST	3356,85	2,62	8.794,95
(1109.0028_N)	VCABLE 36 FO CON CUBIERTA TKEST			
11.09.01.12	mSUMINISTRO Y MONTAJE DE CABLE DE 3 CUADRETES	3356,85	2,99	10.036,98
(1105.0030_N)	v			
11.09.01.13	mSUMINISTRO Y MONTAJE DE CINTA SEÑALIZADORA DE CABLEADO ELÉCTRICO	3356,85	0,52	1.745,56
(1105.0118)	SUMINISTRO Y MONTAJE DE CINTA PARA SEÑALIZACIÓN DE CANALIZACIONES ELÉCTRICAS EN ZANJA SUBTERRÁNEA, DE ACUERDO CON LA NORMATIVA VIGENTE.			
11.09.01.14	udARQUETA 60X60 CM	14,00	271,55	3.801,70
(990.1003_N)	ARQUETA 60X60X75 CM PREFABRICADA, CON VENTANAS PARA ENTRADA DE CONDUCTOS, INCLUSO EXCAVACIÓN DE ZANJA, 10 CM. DE HORMIGÓN DE LIMPIEZA HM-20, EMBOCADURA DE CONDUCTOS, RELLENO DE TIERRAS LATERALMENTE Y TRANSPORTE DE SOBANTES A VERTEDERO.			
11.09.01.15	udINSTALACIÓN PMV 2G 64x64 + 3 FILAS 12 CARACTERES (h= 420 mm)	1,00	43.481,30	43.481,30
(1112.0010)	SUMINISTRO E INSTALACIÓN DE PANEL DE MENSAJE VARIABLE FORMADO POR DOS ZONAS GRÁFICAS CON RESOLUCIÓN 64 X 64 DE 1280 X 1280 MM Y UNA ZONA ALFANUMÉRICA FORMADA POR 3 LÍNEAS DE 12 CARACTERES CADA UNA, CON ALTURA DE CARACTER 420 MM Y TECNOLOGÍA DE LED'S FULL COLOR EN ZONA GRÁFICA Y ÁMBAR EN ZONA ALFANUMÉRICA, DOTADO DE EQUIPAMIENTO DE CONTROL, DE GESTIÓN INTERNO Y DE ENERGÍA, INCLUYENDO CIMENTACIÓN Y SOPORTE METÁLICO PARA SUSTENTACIÓN EN PÓRTICO O BANDEROLA. INCLUIDO SUMINISTRO, MANO DE OBRA, MATERIALES Y MAQUINARIA (TAMBIÉN DESVÍOS DE TRÁFICO, SEÑALIZACIÓN PROVISIONAL Y TRABAJOS NOCTURNOS EN SU CASO), TOTALMENTE TERMINADO, CONEXIONADO Y EN PERFECTO FUNCIONAMIENTO.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
TOTAL 11.09.01				436.642,53
TOTAL 11.09.....				436.642,53
11.10	ALUMBRADO			
11.10.01	AL-B.01			
11.10.01.01	ud LOCALIZACION REDES EXISTENTES	1,00	47,36	47,36
(910.0125_N)	LOCALIZACIÓN DE SERVICIOS, MEDIANTE EXCAVACIÓN POR MEDIOS MECANICOS O MANUALES, INCLUYENDO EL POSTERIOR RELLENO CON LAS TIERRAS PROCEDENTES DE LA PROPIA EXCAVACIÓN, TOTALMENTE TERMINADO.			
11.10.01.02	m CANALIZACION 40X90 DE 2T DE PVC DE 110 MM	18,00	35,65	641,70
(910.2005_N)	CANALIZACIÓN DE 40 X 90 CM BAJO ARCENES, MEDIANAS, ACERAS Y JARDINES: INCLUYE APERTURA DE ZANJA POR MEDIOS MECÁNICOS, ASIENTO DE 2 TUBOS DE PVC DE 110 MM., RECUBRIMIENTO DE TUBOS CON HORMIGON HM-20, RELLENO DE ZANJA , COMPACTACIÓN, MALLA DE SEÑALIZACION, CUERDAS, Y REPOSICION DE PAVIMENTO, TIERRA O CESPED.			
11.10.01.03	m CANALIZACIÓN 40X90 CRUCE DE CALZADAS 4T DE PVC DE 110 MM	141,00	52,26	7.368,66
(910.2105_N)	CANALIZACIÓN DE 40 X 90 CM BAJO CALZADA: INCLUYE APERTURA DE ZANJA POR MEDIOS MECÁNICOS, ASIENTO DE 4 TUBOS DE PVC DE 110 MM., RECUBRIMIENTO DE TUBOS CON HORMIGON HM-20, RELLENO DE ZANJA , COMPACTACIÓN, MALLA DE SEÑALIZACION, CUERDAS, Y REPOSICION DE PAVIMENTO, TIERRA O CESPED.			
11.10.01.04	m³ RELLENO LOCALIZADO, HUMECTADO Y COMPACTADO CON ARENA LAVADA DE RÍO	26,16	15,73	411,50
(960.1069_N)	RELLENO LOCALIZADO, HUMECTADO Y COMPACTADO CON ARENA LAVADA DE RÍO PARA LECHO DE ASIENTO DE LA TUBERÍA DE CONDUCCIÓN.			
11.10.01.05	m CABLE DE CU 4X6 MM2 PARA RED SUBTERRANEA DE ALUMBRADO PÚBLICO + CABLE TOMA TIERRA 35 MM2	159,00	15,02	2.388,18
(910.2007_N)	CABLE DE COBRE UNIPOLAR 4X6 MM2 ENTUBADO DE TENSION ASIGNADA 0.6/1 KV + CABLE DESNUDO PUESTA TIERRA DE 35 MM2 DE SECCIÓN, COMPLETAMENTE INSTALADO EN CANALIZACIÓN.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.10.01.06	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	73,96	6,70	495,53
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
11.10.01.07	ud PICA DE PUESTA A TIERRA	3,00	31,52	94,56
(910.2008_N)	PICA DE PUESTA A TIERRA DE ACERO COBRIZADO DE 2 M DE LONGITUD Y 15 MM DE DIAMETRO, INCLUSO CONDUCTOR DE COBRE DESNUDO DE 35 MM2 DE CONEXION, GRAPA ABARCON DE CONEXION, MATERIAL AUXILIAR, MEDICIONES, COMPLETAMENTE INSTALADA.			
11.10.01.08	ud EMPALME DE NUEVO CABLEADO CON CABLEADO EXISTENTE.	2,00	64,42	128,84
(910.2013_N)	EMPALME NUEVO CABLEADO CON CABLEADO EXISTENTE			
11.10.01.09	ud CIMENTACIÓN HORMIGÓN TORRE ILUMINACIÓN 30 M	3,00	544,45	1.633,35
(910.2066_N)	CIMENTACIÓN DE HORMIGÓN HM-20/P/20/I PARA TORRE DE ILUMINACIÓN DE 30 m, FORMANDO DADOS DE DIMENSIONES 1535 x 1700 x 2450 mm. INCLUSO PERNOS DE ANCLAJE DE DIÁMETRO D=30 mm. y 1500 mm. DE LONGITUD, Y TUBO CORRUGADO DE PVC DE 110 mm PARA ENTRADA DE CABLES A LA TORRE. INCLUYE TRANSPORTE DE SOBRANTES A VERTEDERO. TOTALMENTE TERMINADA.			
11.10.01.10	ud PROYECTOR OMINISTAR DE SCHREDER (O SIMILAR) CON LED 547W	36,00	1.332,81	47.981,16
(910.2067_N)	PROYECTOR OMNISTAR DE SCHREDER O MODELO DE CALIDAD EQUIVALENTE. CONSTA DE 144 LEDS. UNIDAD ÓPTICA 5147. CONSTA DE DOS PARTES FABRICADAS EN ALEACIÓN DE ALUMINIO INYECTADO Y PINTADO. EL PROTECTOR, DE VIDRIO REFORZADO, ESTÁ SELLADO AL MARCO POR MEDIO DE SILICONA. MONTADO EN UNA HORQUILLA DE FIJACIÓN CON UN DISCO GRADUADO PARA EL AJUSTE DE INCLINACIÓN IN SITU. CAPA DE PINTURA EN POLVO DE POLIÉSTER. GRADO DE PROTECCIÓN IP66, IK08 Y CLASE II.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.10.01.11	ud DESMONTAJE TORRE ILUMINACIÓN Y REUBICACIÓN EN NUEVO PUNTO	3,00	1.070,64	3.211,92
(910.2068_N)	DESMONTAJE TORRE ILUMINACIÓN INCLUYE DESMONTAJE TORRE, PROYECTORES, PARTE PROPORCIONAL CABLEADO CIRCUITO ELECTRICO DE ACOMETIDA Y REUBICACIÓN EN NUEVO PUNTO CAMBIANDO PLACA Y PERNOS DE ANCLAJE.			
11.10.01.12	ud REPOSICIÓN MECANISMO INTERIOR TORRE DE ALUMBRADO	3,00	446,09	1.338,27
(910.2069_N)	REPOSICIÓN MECANISMO INTERIOR EN TORRE DE ALUMBRADO DE 30 m INCLUSO PARTE PROPORCIONAL DE CABLEADO Y PUESTA EN MARCHA.			
11.10.01.13	ud ARQUETA DE CRUCE DE CALZADA	6,00	190,01	1.140,06
(910.2017_N)	ARQUETA REGISTRABLE DE CRUCE DE CALZADA, CON MARCO Y TAPA DE FUNDICION, DE MEDIDAS INTERIORES 60 X 60 X 90 CM, APERTURA DE HUECO, RELLENO DE TRASDÓS COMPACTADO (INCLUSO MATERIAL) Y TAPA DE FUNDICIÓNCON MARCO INCLUIDO, TOTALMENTE TERMINADA.			
11.10.01.14	ud LEGALIZACIÓN INSTALACIONES ALUMBRADO PÚBLICO	1,00	6.360,00	6.360,00
(650.0091_N)	TRAMITACIÓN ANTE ORGANISMOS OFICIALES DE LEGALIZACIÓN DE LA INSTALACIÓN DE ALUMBRADO PÚBLICO. INCLUYENDO PROYECTOS, MEDICIONES, CERTIFICADOS, PERMISOS Y TRAMITACIONES.			
11.10.01.15	ud LEGALIZACIÓN INSTALACIONES BAJA TENSIÓN	1,00	3.392,00	3.392,00
(920.0210_N)	REDACCIÓN DEL PROYECTO O PROYECTOS ELÉCTRICOS NECESARIOS PARA LA LEGALIZACIÓN DE LAS INSTALACIONES DE BAJA TENSIÓN ANTE LOS ORGANISMOS OFICIALES, Y A NOMBRE DE LA COMPAÑÍA TITULAR. INCLUIDOS CERTIFICADOS, VISADOS, LICENCIAS Y PERMISOS, TANTO DE PARTICULARES COMO DE ORGANISMOS OFICIALES AFECTADOS. SIEMPRE CONFORME A LAS PRESCRIPCIONES DE LA COMPAÑÍA TITULAR.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.10.01.16	m SUMINISTRO Y MONTAJE DE CINTA SEÑALIZADORA DE CABLEADO ELÉCTRICO	159,00	0,52	82,68
(1105.0118)	SUMINISTRO Y MONTAJE DE CINTA PARA SEÑALIZACIÓN DE CANALIZACIONES ELÉCTRICAS EN ZANJA SUBTERRÁNEA, DE ACUERDO CON LA NORMATIVA VIGENTE.			
TOTAL 11.10.01				76.715,77
11.10.02	AL-B.02			
11.10.02.01	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	825,15	6,70	5.528,51
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA ANCHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIENTO Y DRENAJE DURANTE LA EJECUCIÓN, SANEAMIENTO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
11.10.02.02	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA	260,96	3,47	905,53
(332.0040)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
11.10.02.03	ud CIMENTACIÓN HORMIGÓN COLUMNA 12 M	26,00	145,34	3.778,84
(910.2076_N)				
11.10.02.04	m CANALIZACION 40X90 DE 2T DE PVC DE 110 MM	1423,00	35,65	50.729,95
(910.2005_N)	CANALIZACIÓN DE 40 X 90 CM BAJO ARCENES, MEDIANAS, ACERAS Y JARDINES: INCLUYE APERTURA DE ZANJA POR MEDIOS MECÁNICOS, ASIENTO DE 2 TUBOS DE PVC DE 110 MM., RECUBRIMIENTO DE TUBOS CON HORMIGON HM-20, RELLENO DE ZANJA , COMPACTACIÓN, MALLA DE SEÑALIZACION, CUERDAS, Y REPOSICION DE PAVIMENTO, TIERRA O CESPED.			
11.10.02.05	m CANALIZACIÓN 40X90 CRUCE DE CALZADAS 4T DE PVC DE 110 MM	107,00	52,26	5.591,82
(910.2105_N)	CANALIZACIÓN DE 40 X 90 CM BAJO CALZADA: INCLUYE APERTURA DE ZANJA POR MEDIOS MECÁNICOS, ASIENTO DE 4 TUBOS DE PVC DE 110 MM., RECUBRIMIENTO DE TUBOS CON HORMIGON HM-20, RELLENO DE ZANJA , COMPACTACIÓN, MALLA DE SEÑALIZACION, CUERDAS, Y REPOSICION DE PAVIMENTO, TIERRA O CESPED.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.10.02.06	m³ RELLENO LOCALIZADO, HUMECTADO Y COMPACTADO CON ARENA LAVADA DE RÍO	301,72	15,73	4.746,06
(960.1069_N)	RELLENO LOCALIZADO, HUMECTADO Y COMPACTADO CON ARENA LAVADA DE RÍO PARA LECHO DE ASIENTO DE LA TUBERÍA DE CONDUCCIÓN.			
11.10.02.07	ud ARQUETA DE DERIVACIÓN	26,00	205,95	5.354,70
(910.2006_N)	ARQUETA REGISTRABLE DE DERIVACION , CON MARCO Y TAPA DE FUNDICION, DE MEDIDAS INTERIORES 40 X 40 X 50 CM, APERTURA DE HUECO, RELLENO DE TRASDÓS COMPACTADO (INCLUSO MATERIAL) Y TAPA DE FUNDICIÓNCON MARCO INCLUIDO, TOTALMENTE TERMINADA.			
11.10.02.08	ud ARQUETA DE CRUCE DE CALZADA	6,00	190,01	1.140,06
(910.2017_N)	ARQUETA REGISTRABLE DE CRUCE DE CALZADA, CON MARCO Y TAPA DE FUNDICION, DE MEDIDAS INTERIORES 60 X 60 X 90 CM, APERTURA DE HUECO, RELLENO DE TRASDÓS COMPACTADO (INCLUSO MATERIAL) Y TAPA DE FUNDICIÓNCON MARCO INCLUIDO, TOTALMENTE TERMINADA.			
11.10.02.09	m CABLE DE CU 4X6 MM2 PARA RED SUBTERRANEA DE ALUMBRADO PÚBLICO + CABLE TOMA TIERRA 35 MM2	1572,00	15,02	23.611,44
(910.2007_N)	CABLE DE COBRE UNIPOLAR 4X6 MM2 ENTUBADO DE TENSION ASIGNADA 0.6/1 KV + CABLE DESNUDO PUESTA TIERRA DE 35 MM2 DE SECCIÓN, COMPLETAMENTE INSTALADO EN CANALIZACIÓN.			
11.10.02.10	ud PICA DE PUESTA A TIERRA	26,00	31,52	819,52
(910.2008_N)	PICA DE PUESTA A TIERRA DE ACERO COBRIZADO DE 2 M DE LONGITUD Y 15 MM DE DIAMETRO, INCLUSO CONDUCTOR DE COBRE DESNUDO DE 35 MM2 DE CONEXION, GRAPA ABARCON DE CONEXION, MATERIAL AUXILIAR, MEDICIONES, COMPLETAMENTE INSTALADA.			
11.10.02.11	ud EMPALME DE NUEVO CABLEADO CON CABLEADO EXISTENTE.	2,00	64,42	128,84
(910.2013_N)	EMPALME NUEVO CABLEADO CON CABLEADO EXISTENTE			
11.10.02.12	ud DESMONTAJE Y RETIRADA PUNTO DE LUZ EXISTENTE	26,00	191,28	4.973,28
(910.2012_N)	DESMONTAJE Y RETIRADA PUNTO LUZ EXISTENTE. INCLUYE DESMONTAJE COLUMNA, LUMUNARIA, Y PARTE PROPORCIO-			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	NAL CABLEADO CIRCUITO ELECTRICO DE ACOMETIDA			
11.10.02.13	ud UD COLUMNA DE ACERO GALVANIZADO DE 12 M	26,00	745,70	19.388,20
(910.2009_N)	COLUMNA DE ACERO GALVANIZADO DE 12 METROS , INCLUIDA EXCAVACIÓN, DADO DE HORMIGON HM-20 DE CIMENTACIÓN, PLACA DE ANCLAJE Y ASIENTO CON PERNOS, POSTERIOR RELLENO, COMPLETAMENTE INSTALADA.			
11.10.02.14	ud LUMINARIA STELVIO HIGH PERFORMANCE 156W	26,00	837,60	21.777,60
(910.2064_N)	LUMINARIAS PARA TRAMO ALUMBRADO DE LA V30, MODELO STELVIO HIGH PERFORMANCE / 3370 / 72 LEDS 700MA / 340251-00-0054 DE DISANO O MODELO DE CALIDAD EQUIVALENTE, CON TECNOLOGÍA LED, UN CONSUMO DE 156 W, UN FLUJO DE 14.831 LM, COLOR DE 4.000K, DRIVERS INTEGRADOS, SISTEMA DE CONTROL ZHAGA SOCKET, O EQUIVALENTE, EQUIPADA CON UN DIFUSOR DE CRISTAL TRANSPARENTE TEMPLADO DE 4 MM DE ESPESOR, CUERPO Y MARCO DE ALUMINIO INYECTADO FUNDIDO A PRESIÓN E INCLUYE MONTAJE EN COLUMNA TRONCOCÓNICA. CLASE I, IP 66, IK09.			
11.10.02.15	ud ACOMETIDA A CENTROS DE MANDO	2,00	3.710,00	7.420,00
(920.5030_N)	REPOSICIÓN DE ACOMETIDAS A CENTROS DE MANDO DESDE LOS CENTRO DE TRANSFORMACIÓN EXISTENTES.			
11.10.02.16	ud CENTRO DE MANDO Y FUERZA PARA CONTROL DE ILUMINACIÓN	2,00	3.442,16	6.884,32
(920.0050_N)	CENTRO DE MANDO Y FUERZA PARA CONTROL DE ILUMINACIÓN EN CARRETERA, PARA 8 SALIDAS, CON GRUPO DE MEDIDA, CABLEADO, INTERRUPTOR CREPUSCULAR Y RELOJ, APARALLAJE, ARMARIO, CONEXIONES, TOTALMENTE INSTALADO Y PROBADO.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.10.02.17	ud LEGALIZACIÓN INSTALACIONES ALUMBRADO PÚBLICO	1,00	6.360,00	6.360,00
(650.0091_N)	TRAMITACIÓN ANTE ORGANISMOS OFICIALES DE LEGALIZA- CIÓN DE LA INSTALACIÓN DE ALUMBRADO PÚBLICO. INCLU- YENDO PROYECTOS, MEDICIONES, CERTIFICADOS, PERMISOS Y TRAMITACIONES.			
11.10.02.18	ud LEGALIZACIÓN INSTALACIONES BAJA TENSIÓN	1,00	3.392,00	3.392,00
(920.0210_N)	REDACCIÓN DEL PROYECTO O PROYECTOS ELÉCTRICOS NECE- SARIOS PARA LA LEGALIZACIÓN DE LAS INSTALACIONES DE BA- JA TENSIÓN ANTE LOS ORGANISMOS OFICIALES, Y A NOMBRE DE LA COMPAÑÍA TITULAR. INCLUIDOS CERTIFICADOS, VISA- DOS, LICENCIAS Y PERMISOS, TANTO DE PARTICULARES COMO DE ORGANISMOS OFICIALES AFECTADOS. SIEMPRE CONFORME A LAS PRESCRIPCIONES DE LA COMPAÑÍA TITULAR.			
11.10.02.19	ud LEGALIZACIÓN CENTRO DE MANDO	2,00	3.392,00	6.784,00
(650.0096_N)	REDACCIÓN DEL PROYECTO O PROYECTOS ELÉCTRICOS NECE- SARIOS PARA LA LEGALIZACIÓN DE CENTRO DE MANDO ANTE LOS ORGANISMOS OFICIALES. INCLUIDOS CERTIFICADOS OCA, VISADOS, LICENCIAS Y PERMISOS, TANTO DE PARTICULARES COMO DE ORGANISMOS OFICIALES AFECTADOS.			
11.10.02.20	m SUMINISTRO Y MONTAJE DE CINTA SEÑALIZADORA DE CABLEADO ELÉCTRICO	1572,00	0,52	817,44
(1105.0118)	SUMINISTRO Y MONTAJE DE CINTA PARA SEÑALIZACIÓN DE CANALI- ZACIONES ELÉCTRICAS EN ZANJA SUBTERRÁNEA, DE ACUERDO CON LA NORMATIVA VIGENTE.			
TOTAL 11.10.02				180.132,11

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.10.03	AL-B.03			
11.10.03.01	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	110,83	6,70	742,56
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSI- TO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA AN- CHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIEN- TO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
11.10.03.02	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA	29,40	3,47	102,02
(332.0040)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATE- RIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COM- PACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORO- NACIÓN Y REFINO DE TALUDES (EN SU CASO).			
11.10.03.03	m CANALIZACION 40X90 DE 2T DE PVC DE 110 MM	220,00	35,65	7.843,00
(910.2005_N)	CANALIZACIÓN DE 40 X 90 CM BAJO ARCENES, MEDIANAS, ACERAS Y JARDINES: INCLUYE APERTURA DE ZANJA POR ME- DIOS MECÁNICOS, ASIENTO DE 2 TUBOS DE PVC DE 110 MM., RECUBRIMIENTO DE TUBOS CON HORMIGON HM-20, RELLENO DE ZANJA , COMPACTACIÓN, MALLA DE SEÑALIZACION, CUER- DAS, Y REPOSICION DE PAVIMENTO, TIERRA O CESPED.			
11.10.03.04	m CABLE DE CU 4X6 MM2 PARA RED SUBTERRANEA DE ALUMBRADO PÚBLICO + CABLE TOMA TIERRA 35 MM2	220,00	15,02	3.304,40
(910.2007_N)	CABLE DE COBRE UNIPOLAR 4X6 MM2 ENTUBADO DE TENSION ASIGNADA 0.6/1 KV + CABLE DESNUDO PUESTA TIERRA DE 35 MM2 DE SECCIÓN, COMPLETAMENTE INSTALADO EN CANALI- ZACIÓN.			
11.10.03.05	m³ RELLENO LOCALIZADO, HUMECTADO Y COMPACTADO CON ARENA LAVADA DE RÍO	44,00	15,73	692,12
(960.1069_N)	RELLENO LOCALIZADO, HUMECTADO Y COMPACTADO CON ARENA LAVADA DE RÍO PARA LECHO DE ASIENTO DE LA TUBERÍA DE CON- DUCCIÓN.			
11.10.03.06	ud CIMENTACIÓN HORMIGÓN COLUMNA 12 M	7,00	145,34	1.017,38
(910.2076_N)				
11.10.03.07	m SUMINISTRO Y MONTAJE DE CINTA SEÑALIZADORA DE CABLEADO ELÉCTRICO	220,00	0,52	114,40
(1105.0118)	SUMINISTRO Y MONTAJE DE CINTA PARA SEÑALIZACIÓN DE CANALI- ZACIONES ELÉCTRICAS EN ZANJA SUBTERRÁNEA, DE ACUERDO CON LA NORMATIVA VIGENTE.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.10.03.08	ud ARQUETA DE DERIVACIÓN	7,00	205,95	1.441,65
(910.2006_N)	ARQUETA REGISTRABLE DE DERIVACION , CON MARCO Y TAPA DE FUNDICION, DE MEDIDAS INTERIORES 40 X 40 X 50 CM, APERTURA DE HUECO, RELLENO DE TRASDÓS COMPACTADO (INCLUSO MATERIAL) Y TAPA DE FUNDICIÓNCON MARCO IN-CLUIDO, TOTALMENTE TERMINADA.			
11.10.03.09	ud PICA DE PUESTA A TIERRA	7,00	31,52	220,64
(910.2008_N)	PICA DE PUESTA A TIERRA DE ACERO COBRIZADO DE 2 M DE LONGITUD Y 15 MM DE DIAMETRO, INCLUSO CONDUCTOR DE COBRE DESNUDO DE 35 MM2 DE CONEXION, GRAPA ABAR-CON DE CONEXION, MATERIAL AUXILIAR, MEDICIONES, COM-PLETAMENTE INSTALADA.			
11.10.03.10	ud EMPALME DE NUEVO CABLEADO CON CABLEADO EXISTENTE.	1,00	64,42	64,42
(910.2013_N)	EMPALME NUEVO CABLEADO CON CABLEADO EXISTENTE			
11.10.03.11	ud DESMONTAJE Y RETIRADA PUNTO DE LUZ EXISTENTE	7,00	191,28	1.338,96
(910.2012_N)	DESMONTAJE Y RETIRADA PUNTO LUZ EXISTENTE. INCLUYE DESMONTAJE COLUMNA, LUMUNARIA, Y PARTE PROPORCIO-NAL CABLEADO CIRCUITO ELECTRICO DE ACOMETIDA			
11.10.03.12	ud UD COLUMNA DE ACERO GALVANIZADO DE 12 M	7,00	745,70	5.219,90
(910.2009_N)	COLUMNA DE ACERO GALVANIZADO DE 12 METROS , INCLUI-DA EXCAVACIÓN, DADO DE HORMIGON HM-20 DE CIMENTA-CIÓN, PLACA DE ANCLAJE Y ASIENTO CON PERNOS, POSTERIOR RELLENO, COMPLETAMENTE INSTALADA.			
11.10.03.13	ud LUMINARIA STELVIO HIGH PERFORMANCE 156W	7,00	837,60	5.863,20
(910.2064_N)	LUMINARIAS PARA TRAMO ALUMBRADO DE LA V30, MODELO STELVIO HIGH PERFORMANCE / 3370 / 72 LEDS 700MA / 340251-00-0054 DE DISANO O MODELO DE CALIDAD EQUIVA-LENTE, CON TECNOLOGÍA LED, UN CONSUMO DE 156 W, UN FLUJO DE 14.831 LM, COLOR DE 4.000K, DRIVERS INTEGRADOS, SISTEMA DE CONTROL ZHAGA SOCKET, O EQUIVALENTE, EQUI-PADA CON UN DIFUSOR DE CRISTAL TRANSPARENTE TEMPLA-DO DE 4 MM DE ESPESOR, CUERPO Y MARCO DE ALUMINIO IN-			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	YECTADO FUNDIDO A PRESIÓN E INCLUYE MONTAJE EN CO-LUMNA TRONCOCÓNICA. CLASE I, IP 66, IK09.			
11.10.03.14	ud LEGALIZACIÓN INSTALACIONES ALUMBRADO PÚBLICO	1,00	6.360,00	6.360,00
(650.0091_N)	TRAMITACIÓN ANTE ORGANISMOS OFICIALES DE LEGALIZA-CIÓN DE LA INSTALACIÓN DE ALUMBRADO PÚBLICO. INCLU-YENDO PROYECTOS, MEDICIONES, CERTIFICADOS, PERMISOS Y TRAMITACIONES.			
11.10.03.15	ud LEGALIZACIÓN INSTALACIONES BAJA TENSIÓN	1,00	3.392,00	3.392,00
(920.0210_N)	REDACCIÓN DEL PROYECTO O PROYECTOS ELÉCTRICOS NECE-SARIOS PARA LA LEGALIZACIÓN DE LAS INSTALACIONES DE BA-JA TENSIÓN ANTE LOS ORGANISMOS OFICIALES, Y A NOMBRE DE LA COMPAÑÍA TITULAR. INCLUIDOS CERTIFICADOS, VISA-DOS, LICENCIAS Y PERMISOS, TANTO DE PARTICULARES COMO DE ORGANISMOS OFICIALES AFECTADOS. SIEMPRE CONFORME A LAS PRESCRIPCIONES DE LA COMPAÑÍA TITULAR.			
TOTAL 11.10.03.....				37.716,65
11.10.04	AL-B.04			
11.10.04.01	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	99,68	6,70	667,86
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSI-TO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA AN-CHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIEN-TO Y DRENAJE DURANTE LA EJECUCIÓN, SANEО DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.10.04.02	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA	49,28	3,47	171,00
(332.0040)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA TRAZA I/ EXTENDIDO, HUMECTACIÓN, COMPACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORONACIÓN Y REFINO DE TALUDES (EN SU CASO).			
11.10.04.03	m CANALIZACION 40X90 DE 2T DE PVC DE 110 MM	147,00	35,65	5.240,55
(910.2005_N)	CANALIZACIÓN DE 40 X 90 CM BAJO ARCENES, MEDIANAS, ACERAS Y JARDINES: INCLUYE APERTURA DE ZANJA POR MEDIOS MECÁNICOS, ASIENTO DE 2 TUBOS DE PVC DE 110 MM., RECUBRIMIENTO DE TUBOS CON HORMIGON HM-20, RELLENO DE ZANJA , COMPACTACIÓN, MALLA DE SEÑALIZACION, CUERDAS, Y REPOSICION DE PAVIMENTO, TIERRA O CESPED.			
11.10.04.04	m CABLE DE CU 4X6 MM2 PARA RED SUBTERRANEA DE ALUMBRADO PÚBLICO + CABLE TOMA TIERRA 35 MM2	147,00	15,02	2.207,94
(910.2007_N)	CABLE DE COBRE UNIPOLAR 4X6 MM2 ENTUBADO DE TENSION ASIGNADA 0.6/1 KV + CABLE DESNUDO PUESTA TIERRA DE 35 MM2 DE SECCIÓN, COMPLETAMENTE INSTALADO EN CANALIZACIÓN.			
11.10.04.05	m SUMINISTRO Y MONTAJE DE CINTA SEÑALIZADORA DE CABLEADO ELÉCTRICO	147,00	0,52	76,44
(1105.0118)	SUMINISTRO Y MONTAJE DE CINTA PARA SEÑALIZACIÓN DE CANALIZACIONES ELÉCTRICAS EN ZANJA SUBTERRÁNEA, DE ACUERDO CON LA NORMATIVA VIGENTE.			
11.10.04.06	m³ RELLENO LOCALIZADO, HUMECTADO Y COMPACTADO CON ARENA LAVADA DE RÍO	29,40	15,73	462,46
(960.1069_N)	RELLENO LOCALIZADO, HUMECTADO Y COMPACTADO CON ARENA LAVADA DE RÍO PARA LECHO DE ASIENTO DE LA TUBERÍA DE CONDUCCIÓN.			
11.10.04.07	ud CIMENTACIÓN HORMIGÓN COLUMNA 12 M	4,00	145,34	581,36
(910.2076_N)				
11.10.04.08	ud EMPALME DE NUEVO CABLEADO CON CABLEADO EXISTENTE.	1,00	64,42	64,42
(910.2013_N)	EMPALME NUEVO CABLEADO CON CABLEADO EXISTENTE			
11.10.04.09	ud ARQUETA DE DERIVACIÓN	4,00	205,95	823,80
(910.2006_N)	ARQUETA REGISTRABLE DE DERIVACION , CON MARCO Y TAPA DE FUNDICION, DE MEDIDAS INTERIORES 40 X 40 X 50 CM, APERTURA DE HUECO, RELLENO DE TRASDÓS COMPACTADO			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	(INCLUSO MATERIAL) Y TAPA DE FUNDICIÓNCON MARCO INCLUIDO, TOTALMENTE TERMINADA.			
11.10.04.10	ud PICA DE PUESTA A TIERRA	4,00	31,52	126,08
(910.2008_N)	PICA DE PUESTA A TIERRA DE ACERO COBRIZADO DE 2 M DE LONGITUD Y 15 MM DE DIAMETRO, INCLUSO CONDUCTOR DE COBRE DESNUDO DE 35 MM2 DE CONEXION, GRAPA ABARCON DE CONEXION, MATERIAL AUXILIAR, MEDICIONES, COMPLETAMENTE INSTALADA.			
11.10.04.11	ud DESMONTAJE Y RETIRADA PUNTO DE LUZ EXISTENTE	4,00	191,28	765,12
(910.2012_N)	DESMONTAJE Y RETIRADA PUNTO LUZ EXISTENTE. INCLUYE DESMONTAJE COLUMNA, LUMUNARIA, Y PARTE PROPORCIONAL CABLEADO CIRCUITO ELECTRICO DE ACOMETIDA			
11.10.04.12	ud UD COLUMNA DE ACERO GALVANIZADO DE 12 M	4,00	745,70	2.982,80
(910.2009_N)	COLUMNA DE ACERO GALVANIZADO DE 12 METROS , INCLUIDA EXCAVACIÓN, DADO DE HORMIGON HM-20 DE CIMENTACIÓN, PLACA DE ANCLAJE Y ASIENTO CON PERNOS, POSTERIOR RELLENO, COMPLETAMENTE INSTALADA.			
11.10.04.13	ud LUMINARIA STELVIO HIGH PERFORMANCE 156W	4,00	837,60	3.350,40
(910.2064_N)	LUMINARIAS PARA TRAMO ALUMBRADO DE LA V30, MODELO STELVIO HIGH PERFORMANCE / 3370 / 72 LEDS 700MA / 340251-00-0054 DE DISANO O MODELO DE CALIDAD EQUIVALENTE, CON TECNOLOGÍA LED, UN CONSUMO DE 156 W, UN FLUJO DE 14.831 LM, COLOR DE 4.000K, DRIVERS INTEGRADOS, SISTEMA DE CONTROL ZHAGA SOCKET, O EQUIVALENTE, EQUIPADA CON UN DIFUSOR DE CRISTAL TRANSPARENTE TEMPLADO DE 4 MM DE ESPESOR, CUERPO Y MARCO DE ALUMINIO INYECTADO FUNDIDO A PRESIÓN E INCLUYE MONTAJE EN COLUMNA TRONCOCÓNICA. CLASE I, IP 66, IK09.			

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
11.10.04.14	ud LEGALIZACIÓN INSTALACIONES ALUMBRADO PÚBLICO	1,00	6.360,00	6.360,00
(650.0091_N)	TRAMITACIÓN ANTE ORGANISMOS OFICIALES DE LEGALIZA- CIÓN DE LA INSTALACIÓN DE ALUMBRADO PÚBLICO. INCLU- YENDO PROYECTOS, MEDICIONES, CERTIFICADOS, PERMISOS Y TRAMITACIONES.			
11.10.04.15	ud LEGALIZACIÓN INSTALACIONES BAJA TENSIÓN	1,00	3.392,00	3.392,00
(920.0210_N)	REDACCIÓN DEL PROYECTO O PROYECTOS ELÉCTRICOS NECE- SARIOS PARA LA LEGALIZACIÓN DE LAS INSTALACIONES DE BA- JA TENSIÓN ANTE LOS ORGANISMOS OFICIALES, Y A NOMBRE DE LA COMPAÑÍA TITULAR. INCLUIDOS CERTIFICADOS, VISA- DOS, LICENCIAS Y PERMISOS, TANTO DE PARTICULARES COMO DE ORGANISMOS OFICIALES AFECTADOS. SIEMPRE CONFORME A LAS PRESCRIPCIONES DE LA COMPAÑÍA TITULAR.			
TOTAL 11.10.04				27.272,23
11.10.05	AL-B.05			
11.10.05.01	m³ EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSITO	10,92	6,70	73,16
(321.0010)	EXCAVACIÓN MECÁNICA DE ZANJAS, POZOS O CIMIENTOS EN TIERRA O TRÁNSI- TO, CONSIDERÁNDOSE ZANJAS Y CIMIENTOS AQUELLOS QUE TENGAN UNA AN- CHURA < 3 m Y UNA PROFUNDIDAD< 6 m, Y POZOS LOS QUE TENGAN UNA PROFUNDIDAD < 2 VECES EL DIÁMETRO O ANCHO i/ ENTIBACIÓN, AGOTAMIEN- TO Y DRENAJE DURANTE LA EJECUCIÓN, SANEO DE DESPRENDIMIENTOS, CARGA Y TRANSPORTE A LUGAR DE EMPLEO O A VERTEDERO HASTA UNA DISTANCIA DE 5 km O AL LUGAR DE UTILIZACIÓN DENTRO DE LA OBRA SEA CUAL SEA LA DISTANCIA.			
11.10.05.02	m³ RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATERIAL PROCEDENTE DE LA EXCAVACIÓN DE LA TRAZA	26,52	3,47	92,02
(332.0040)	RELLENO LOCALIZADO EN ZANJAS, POZOS Y CIMIENTOS CON MATE- RIAL PROCEDENTE DE LA TRAZA i/ EXTENDIDO, HUMECTACIÓN, COM- PACTACIÓN, TERMINACIÓN Y REFINO DE LA SUPERFICIE DE LA CORO- NACIÓN Y REFINO DE TALUDES (EN SU CASO).			
11.10.05.03	m SUMINISTRO Y MONTAJE DE CABLE RZ1-K(AS) 0,6/1 KV. SECCIÓN 1X16 MM2	1020,00	5,10	5.202,00
(1105.0034)	SUMINISTRO Y MONTAJE DE CABLE, DENOMINACIÓN TÉCNICA RZ1-K (AS)0,6/1 KV NORMA CONSTRUCTIVA Y DE ENSAYOS UNE 211025, CON CONDUCTOR DE COBRE CLASE 5 (UNE-EN 60228), POLIETILENO RETICULADO (XLPE) SEGÚN UNE 21123 Y CUBIERTA POLIOLEFINA TER- MOPLÁSTICA SEGÚN UNE 21123 , SECCIÓN 1X16 MM2, CUBIERTA EXTE-			
RD6373-F3-PR-LE-D04				111

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
	RIOR LIBRE DE HALÓGENOS, NO PROPAGADOR DE LA LLAMA (UNE-EN 60332-1-2), NO PROPAGADOR DEL INCENDIO (UNE-EN 50399), BAJO CONTENIDO HALÓGENOS (UNE-EN 60754), BAJA EMISIÓN DE HUMOS OPACOS (UNE-EN 61034-2), BAJA EMISIÓN DE GASES CORROSIVOS (UNE-EN 50267). TEMPERATURA MÁXIMA DEL CONDUCTOR 90° C. EN- SAYO DE TENSIÓN ALTERNA DURANTE 5 MINUTOS: 3500 V. INCLUSO PARTE PROPORCIONAL DE EMPALMES, TERMINALES, CONEXIONES, ETIQUETADO Y MATERIAL AUXILIAR NECESARIO PARA SU INSTALA- CIÓN. INSTALADO DE ACUERDO CON LAS NORMAS DE INSTALACIÓN, INSTRUCCIONES DEL FABRICANTE Y CONFORME A LAS REGLAS PROFE- SIONALES. CORRECTAMENTE CONEXIONADO. CUMPLE EL REGLAMEN- TO EUROPEO DE PRODUCTOS DE CONSTRUCCIÓN (UE) N° 305/2011. CUMPLE CON LA APLICACIÓN AL REBT/2002 DEL REGLAMENTO DELE- GADO 2016/364 DE LA UE, LOS CABLES SON DE LA REACCIÓN AL FUE- GO MÍNIMA CCA-S1B,D1,A1.) EN 50575			
11.10.05.04	t MEZCLA BITUMINOSA EN FRÍO, TIPO AF25, CON ÁRIDO ESPECIAL PARA RODADURA, EXCEPTO LIGANTE	20,59	23,73	488,60
(541.0080)	MEZCLA BITUMINOSA EN FRÍO, TIPO AF25, CON ÁRIDO ESPECIAL PA- RA RODADURA, EXCEPTO LIGANTE			
11.10.05.05	m3 HORMIGÓN MAGRO EN BASE DE FIRME	24,57	88,50	2.174,45
(551.0010)	HORMIGÓN MAGRO VIBRADO EN BASE DE FIRME, COMPLETA- MENTE TERMINADO i/ CURADO			
11.10.05.06	ud EMPALME UNIPOLAR PARA CABLE DE MEDIA TENSIÓN DE 50 A 240 MM².	6,00	203,64	1.221,84
(920.0455_N)	SUMINISTRO Y EJECUCIÓN DE EMPALME ELÁSTICO UNIVERSAL CONTRÁCTIL EN FRÍO, UNIPOLAR, CON ENVOLVENTE SEMICON- DUCTORA, CUERPO EXTRUSIONADO TRICAPA, CUBIERTA EXTE- RIOR CONTRÁCTIL EN FRÍO Y MALLA DE COBRE DE CONTINUI- DAD DEL APANTALLAMIENTO DEL CABLE, PARA CABLES DE 50 A 240 MM² DE SECCIÓN Y AISLAMIENTO DE HEPRZ1 Ó RHZ1Y TENSIÓN ASIGNADA DE 12/20 KV, REALIZADO SEGÚN ESPECIFI- CACIONES DE LA COMPAÑÍA. TOTALMENTE INSTALADO.			
11.10.05.07	m SUMINISTRO Y MONTAJE DE CINTA SEÑALIZADORA DE CABLEADO ELÉCTRICO	178,50	0,52	92,82
(1105.0118)	SUMINISTRO Y MONTAJE DE CINTA PARA SEÑALIZACIÓN DE CANALI- ZACIONES ELÉCTRICAS EN ZANJA SUBTERRÁNEA, DE ACUERDO CON LA NORMATIVA VIGENTE.			
11.10.05.08	ud LEGALIZACIÓN INSTALACIONES BAJA TENSIÓN	1,00	3.392,00	3.392,00
(920.0210_N)	REDACCIÓN DEL PROYECTO O PROYECTOS ELÉCTRICOS NECE- SARIOS PARA LA LEGALIZACIÓN DE LAS INSTALACIONES DE BA- JA TENSIÓN ANTE LOS ORGANISMOS OFICIALES, Y A NOMBRE DE LA COMPAÑÍA TITULAR. INCLUIDOS CERTIFICADOS, VISA- DOS, LICENCIAS Y PERMISOS, TANTO DE PARTICULARES COMO			
RD6373-F3-PR-LE-D04				111

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
DE ORGANISMOS OFICIALES AFECTADOS. SIEMPRE CONFORME A LAS PRESCRIPCIONES DE LA COMPAÑÍA TITULAR.				
11.10.05.09	TUBO DE PVC DE DIÁMETRO 160MM	340,00	11,80	4.012,00
(417.0030_N)	TUBO DE PVC DE DIÁMETRO 160mm SOBRE CAMA DE HORMIGÓN DE 5 cm DE ESPESOR , RELLENO CON ARENA HASTA 10 cm POR ENCIMA DEL TUBO CON P.P. DE MEDIOS AUXILIARES COLOCADO.HASTA 25 CM POR ENCIMA DEL TUBO CON P.P. DE MEDIOS AUXILIARES COLOCADO . SIN INCLUIR EXCAVACIÓN.			
11.10.05.10	m TUBO PEAD TRITUBO 50 MM	170,00	14,69	2.497,30
(980.3092_N)	TRITUBO DE POLIETILENO DE ALTA DENSIDAD (PEAD) DE 3X50 MM DE DIÁMETRO Y 3 MM DE ESPESOR, FORMADO POR TRES TUBOS IGUA-LES, UNIDOS ENTRE SÍ POR MEDIO DE UNA MEMBRANA Y DISPUESTOS PARALELAMENTE EN UN MISMO PLANO.			
11.10.05.11	m³ HORMIGÓN C20/25	36,75	86,69	3.185,86
(610.0020)	HORMIGÓN C20/25 VERTIDO, VIBRADO Y TOTALMENTE COLO-CADO.			
TOTAL 11.10.05				22.432,05
TOTAL 11.10.....				344.268,81
TOTAL 11.....				8.993.109,99

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
12	SEGURIDAD Y SALUD			
12.01	PA SEGURIDAD Y SALUD ____1% DEL PEM	1,00	900.000,00	900.000,00
(SS001)				
TOTAL 12.....				900.000,00

PRESUPUESTOS PARCIALES

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
13	GESTIÓN DE RESIDUOS DE CONSTRUCCIÓN Y DEMOLICIÓN			
13.01	t CLASIFICACIÓN Y RECOGIDA SELECTIVA	79505,00	6,51	517.577,55
(950.0010)	CLASIFICACIÓN Y RECOGIDA SELECTIVA DE RESIDUOS, EXCEPTO TIERRAS Y PIEDRAS DE EXCAVACIÓN, MEDIANTE MEDIOS MANUALES Y MECÁNICOS DE LOS RESIDUOS Y SU DEPÓSITO EN LA ZONA PRINCIPAL DE ALMACENAMIENTO DE RESIDUOS DE LA OBRA.			
13.02	t GESTIÓN DE RNP NO PÉTREOS	2500,00	10,96	27.400,00
(950.0020)	CARGA Y TRANSPORTE DE RESIDUOS DE CONSTRUCCIÓN Y DEMOLICIÓN NO PELIGROSO - RNP- DE CARÁCTER NO PÉTREO (CARTÓN-PAPEL, MADERA, VIDRIO, PLÁSTICOS Y METALES INCLUIDOS ENVASES Y EMBALAJES DE ESTOS MATERIALES ASÍ COMO BIODEGRADABLES DEL DESBROCE) A PLANTA DE VALORIZACIÓN AUTORIZADA POR TRANSPORTISTA AUTORIZADO (POR CONSEJERÍA DE MEDIO AMBIENTE), A UNA DISTANCIA DE 20 KM., CONSIDERANDO IDA Y VUELTA, EN CAMIONES DE HASTA 16 T. DE PESO, CARGADOS CON PALA CARGADORA, INCLUSO CANON DE ENTRADA A PLANTA, SIN MEDIDAS DE PROTECCIÓN COLECTIVAS.			
13.03	t GESTIÓN DE RNP PÉTREOS	2000,00	7,78	15.560,00
(950.0030)	CARGA Y TRANSPORTE DE RESIDUOS DE CONSTRUCCIÓN Y DEMOLICIÓN NO PELIGROSOS -RNP- DE CARÁCTER PÉTREO (EXCEPTO TIERRAS Y PIEDRAS) CONSTITUIDOS POR HORMIGÓN, LADRILLOS, TEJAS Y MATERIALES CERÁMICOS (O MEZCLA DE ÉSTOS), YESO Y/O MEZCLAS BITUMINOSAS A PLANTA DE VALORIZACIÓN POR TRANSPORTISTA AUTORIZADO (POR CONSEJERÍA DE MEDIO AMBIENTE), A UNA DISTANCIA DE 20 KM., CONSIDERANDO IDA Y VUELTA, EN CAMIONES BASCULANTES DE HASTA 16 T. DE PESO, CARGADOS CON PALA CARGADORA INCLUSO CANON DE ENTRADA A PLANTA, SIN MEDIDAS DE PROTECCIÓN COLECTIVAS.			
13.04	t GESTIÓN DE RP (TIERRAS CONTAMINADAS)	5,00	67,89	339,45
(950.0050)	CARGA Y TRANSPORTE DE RESIDUOS PELIGROSOS -RP- (TIERRAS CONTAMINADAS) A PLANTA DE VALORIZACIÓN POR TRANSPORTISTA AUTORIZADO (POR CONSEJERÍA DE MEDIO AMBIENTE), A UNA DISTANCIA DE 20 KM., CONSIDERANDO IDA Y VUELTA, EN CAMIONES BASCULANTES DE HASTA 16 T. DE PESO, CARGADOS CON PALA CARGADORA INCLUSO CANON DE ENTRADA A PLANTA, SIN MEDIDAS DE PROTECCIÓN COLECTIVAS.			

PRESUPUESTOS PARCIALES

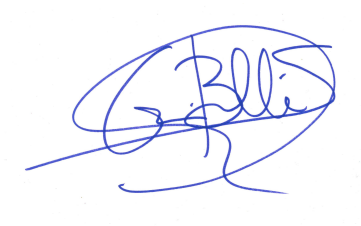
MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO:
ENLACE CV-35 - ENLACE V-30

CÓDIGO	RESUMEN	CANTIDAD	PRECIO	IMPORTE
13.05	t CANON GESTIÓN DE RNP NO PÉTREOS	35000,00	7,42	259.700,00
(950.0060)	CANON DE ENTRADA A PLANTA DE GESTIÓN DE RESIDUOS NO PÉTREOS. NO SE INCLUYE EL TRANSPORTE.			
13.06	t CANON GESTIÓN DE RNP PÉTREOS	25000,00	4,24	106.000,00
(950.0070)	CANON DE ENTRADA A PLANTA DE GESTIÓN DE RESIDUOS PÉTREOS. NO SE INCLUYE EL TRANSPORTE.			
13.07	t CANON GESTIÓN DE TIERRAS	364931,82	2,65	967.069,32
(950.0080)	CANON DE ENTRADA A PLANTA DE GESTIÓN DE RESIDUOS DE TIERRAS. NO SE INCLUYE EL TRANSPORTE.			
TOTAL 13.....				1.893.646,32

PRESUPUESTOS PARCIALES					
MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO: ENLACE CV-35 - ENLACE V-30					
CÓDIGO	RESUMEN		CANTIDAD	PRECIO	IMPORTE
14	VARIOS				
14.01	PA	PARTIDA ALZADA DE ABONO INTEGRO PARA LIMPIEZA Y TERMINACIÓN DE LAS OBRAS, ASÍ COMO RESTAURACIÓN DEL ENTORNO DE ACUERDO CON O.C.	1,00	72.000,00	72.000,00
(999.0001_N)		PARTIDA ALZADA DE ABONO INTEGRO PARA LIMPIEZA Y TERMINACIÓN DE LAS OBRAS, ASÍ COMO RESTAURACIÓN DEL ENTORNO DE ACUERDO CON O.C. 15/2003 P.P.			
14.02	PA	PARTIDA ALZADA DE ABONO INTEGRO PARA EJECUCIÓN DE MEDIDAS DERIVADAS DEL INFORME DE AUDITORÍA DE SEGURIDAD VIARIA S/ O.C. 41/2017	1,00	9.500,00	9.500,00
(999.0002_N)		PARTIDA ALZADA DE ABONO INTEGRO PARA EJECUCIÓN DE MEDIDAS COMO CONSECUENCIA DEL INFORME DE AUDITORÍA DE SEGURIDAD VIARIA EN LA FASE INICIAL EN SERVICIO DE ACUERDO CON O.C. 41/2017			
TOTAL 14					81.500,00
TOTAL					89.017.725,70

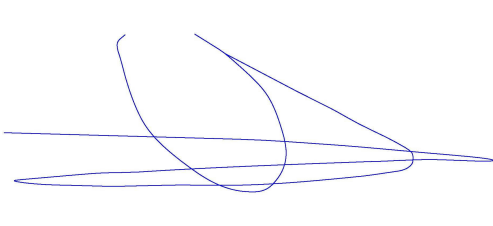
Valencia, octubre de 2023

Autor del Proyecto



Sergio García Belmonte
Ingeniero de Caminos, Canales y Puertos

Director del Proyecto



Vicente Ferrer Pérez
Ingeniero de Caminos, Canales y Puertos

PRESUPUESTOS PARCIALES					
MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO: ENLACE CV-35 - ENLACE V-30					
CÓDIGO	RESUMEN		CANTIDAD	PRECIO	IMPORTE

Presupuesto Estimado

RESUMEN DE PRESUPUESTO

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO: ENLACE CV-35 - ENLACE V-30

CAPÍTULO	RESUMEN	IMPORTE
01	EXPLANACIÓN.....	4.459.694,38
02	DRENAJE.....	8.275.514,81
03	FIRMES.....	7.378.821,35
04	ESTRUCTURAS.....	36.604.702,23
06	SOLUCIONES AL TRÁFICO DURANTE LAS OBRAS.....	1.921.861,27
07	SEÑALIZACIÓN, BALIZAMIENTO Y DEFENSAS.....	5.258.402,66
08	ORDENACIÓN ECOLÓGICA, ESTÉTICA Y PAISAJÍSTICA.....	12.256.108,16
09	SISTEMA INTELIGENTE DE TRANSPORTE.....	809.775,28
10	OBRAS COMPLEMENTARIAS.....	184.589,25
11	REPOSICIÓN DE SERVIDUMBRES Y SERVICIOS.....	8.993.109,99
12	SEGURIDAD Y SALUD.....	900.000,00
13	GESTIÓN DE RESIDUOS DE CONSTRUCCIÓN Y DEMOLICIÓN.....	1.893.646,32
14	VARIOS.....	81.500,00
PRESUPUESTO DE EJECUCIÓN MATERIAL		89.017.725,70
13,00 % Gastos generales.....		11.572.304,34
6,00 % Beneficio industrial.....		5.341.063,54
Suma.....		16.913.367,88
PRESUPUESTO BASE DE LICITACIÓN SIN IVA		105.931.093,58
21% IVA.....		22.245.529,65
PRESUPUESTO BASE DE LICITACIÓN		128.176.623,23

Asciende el presupuesto a la expresada cantidad de CIENTO VEINTIOCHO MILLONES CIENTO SETENTA Y SEIS MIL SEISCIENTOS VEINTITRES con VEINTITRES CÉNTIMOS

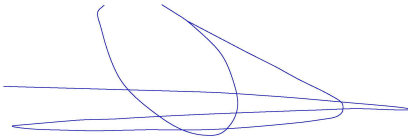
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RESUMEN DE PRESUPUESTO

MEJORAS FUNCIONALES Y DE SEGURIDAD VIAL Y MEDIDAS DE INTEGRACIÓN AMBIENTAL DE LA AUTOVÍA A-7. TRAMO: ENLACE CV-35 - ENLACE V-30

CAPÍTULO	RESUMEN	IMPORTE
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