

ANEJO Nº21.- REPLANTEO

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1. OBJETO Y ALCANCE

En el presente anejo se adjuntan los listados de ordenador necesarios para el replanteo de los ejes que definen la explanación de la actuación.

El replanteo de la obra se realiza en el sistema de coordenadas ETRS89 UTM-H30.

Se ha utilizado el programa ISTRAM para el diseño de la explanación, del que se extraen los siguientes listados:

- Replanteo de los ejes de la obra.
- Replanteo de los puntos singulares de la obra, que comprenden los puntos del perímetro del aparcamiento, y los puntos interiores del aparcamiento que sirven para el replanteo de las marcas viales.

Los datos de replanteo corresponden a los puntos equidistantes cada 20 m de los ejes proyectados, y a los puntos singulares del trazado en planta.

En el *Documento nº2.- Planos* se recoge una representación gráfica de los listados.

APÉNDICE Nº1.- LISTADOS DE REPLANTEO POR BISECCIÓN

EJE:1:Tronco N-II

PK	AZ1	d1	X	Y	AZ2	d2
*BASE 1: BR28			479944.147	4623443.813	390.4924	236.151
*BASE 2: BR29			479909.010	4623677.335		
-603.037	215.5086	585.212	479802.990	4622875.880	208.3729	808.437
-583.037	215.0204	565.705	479811.910	4622893.781	207.8492	789.548
-563.037	214.4973	546.233	479820.829	4622911.682	207.2998	770.715
-543.037	213.9356	526.802	479829.749	4622929.583	206.7230	751.942
-523.037	213.3309	507.414	479838.669	4622947.483	206.1167	733.233
-503.037	212.6783	488.076	479847.588	4622965.384	205.4787	714.595
-483.037	211.9718	468.793	479856.508	4622983.285	204.8066	696.033
-463.037	211.2049	449.573	479865.427	4623001.186	204.0978	677.552
-443.037	210.3696	430.424	479874.347	4623019.087	203.3493	659.160
-423.037	209.4567	411.355	479883.267	4623036.988	202.5580	640.865
-403.037	208.4552	392.380	479892.186	4623054.888	201.7203	622.674
-401.516	208.3751	390.941	479892.865	4623056.250	201.6545	621.295
-383.037	207.3560	373.504	479901.086	4623072.799	200.8344	604.588
-363.037	206.1669	354.695	479909.841	4623090.781	199.9098	586.555
-343.037	204.9042	335.904	479918.296	4623108.905	198.9601	568.506
-323.037	203.5872	317.079	479926.290	4623127.238	198.0009	550.369
-317.470	203.2141	311.826	479928.411	4623132.385	197.7345	545.296
-303.037	202.2381	298.171	479933.667	4623145.826	197.0488	532.080
-283.037	200.8629	279.168	479940.363	4623164.671	196.1114	513.622
-263.037	199.4558	260.076	479946.370	4623183.746	195.1905	495.001
-243.037	198.0090	240.903	479951.680	4623203.027	194.2882	476.223
-223.037	196.5121	221.657	479956.285	4623222.489	193.4069	457.296
-203.037	194.9506	202.344	479960.179	4623242.105	192.5496	438.228
-183.037	193.3036	182.975	479963.358	4623261.850	191.7196	419.025
-163.037	191.5405	163.558	479965.817	4623281.697	190.9213	399.696
-143.037	189.6141	144.106	479967.553	4623301.620	190.1595	380.248
-123.037	187.4475	124.634	479968.563	4623321.594	189.4406	360.692
-203.037	194.9506	202.344	479960.179	4623242.105	192.5496	438.228

PK	AZ1	d1	X	Y	AZ2	d2
-103.037	184.9072	105.164	479968.846	4623341.590	188.7721	341.035
-83.037	181.7392	85.731	479968.402	4623361.584	188.1636	321.288
-63.037	177.3971	66.406	479967.232	4623381.549	187.6271	301.462
-43.037	170.4691	47.360	479965.336	4623401.458	187.1782	281.569
-23.037	156.1104	29.196	479962.718	4623421.285	186.8373	261.623
-6.669	124.3058	17.127	479960.040	4623437.432	186.6572	245.270
-3.037	111.6112	15.491	479959.381	4623441.003	186.6312	241.640
16.963	37.5370	20.194	479955.376	4623460.597	186.5832	221.642
36.963	11.6514	36.883	479950.860	4623480.080	186.6908	201.645
56.963	2.1222	55.699	479946.003	4623499.482	186.9445	181.660
76.963	397.3109	75.093	479940.976	4623518.839	187.3304	161.687
77.377	397.2370	75.498	479940.871	4623519.240	187.3396	161.274
96.963	394.4844	94.740	479935.949	4623538.197	187.8247	141.722
116.963	392.7391	114.534	479931.112	4623557.603	188.3790	121.755
136.963	391.6953	134.430	479926.660	4623577.101	188.9035	101.776
156.963	391.1659	154.393	479922.791	4623596.722	189.2208	81.782
166.266	391.0643	163.692	479921.246	4623605.896	189.2006	72.480
176.963	391.0463	174.389	479919.701	4623616.480	188.9289	61.787
196.963	391.2413	194.380	479917.488	4623636.356	187.0122	41.847
213.583	391.5790	210.964	479916.323	4623652.934	181.4632	25.473
216.963	391.6635	214.332	479916.160	4623656.310	179.1300	22.207
*BASE 1: BR29			479909.010	4623677.335	3.4878	151.775
*BASE 2: BR30			479917.321	4623828.882		
216.963	179.1300	22.207	479916.160	4623656.310	200.4281	172.576
236.963	109.7906	6.737	479915.668	4623676.303	200.6898	152.588
256.963	21.9752	20.156	479915.830	4623696.302	200.7159	132.589
276.963	12.0094	39.660	479916.447	4623716.292	200.4940	112.594
286.472	10.2019	49.087	479916.843	4623725.793	200.2955	103.090
296.963	8.9220	59.521	479917.324	4623736.273	199.9977	92.609
316.963	7.5121	79.463	479918.365	4623756.245	199.0852	72.644

PK	AZ1	d1	X	Y	AZ2	d2
336.963	6.7704	99.436	479919.565	4623776.209	197.2895	52.720
356.963	6.3621	119.424	479920.925	4623796.163	193.0161	32.917
376.963	6.1439	139.419	479922.444	4623816.105	175.7226	13.766
396.963	6.0444	159.417	479924.123	4623836.034	48.4021	9.871
416.963	6.0238	179.417	479925.961	4623855.950	19.6709	28.413
436.963	6.0584	199.417	479927.959	4623875.850	14.1799	48.157
437.615	6.0603	200.069	479928.027	4623876.498	14.0793	48.805
456.963	6.1114	219.416	479930.041	4623895.741	11.9689	68.058
476.963	6.1556	239.416	479932.124	4623915.632	10.7593	88.004
496.963	6.1930	259.415	479934.206	4623935.524	9.9968	107.970
516.963	6.2250	279.415	479936.288	4623955.415	9.4724	127.947
536.963	6.2527	299.414	479938.371	4623975.306	9.0896	147.930
556.963	6.2770	319.414	479940.453	4623995.198	8.7979	167.916
576.963	6.2984	339.414	479942.535	4624015.089	8.5683	187.906
596.963	6.3174	359.413	479944.617	4624034.980	8.3829	207.898
616.963	6.3344	379.413	479946.700	4624054.871	8.2300	227.891
636.963	6.3498	399.413	479948.782	4624074.763	8.1017	247.885
656.963	6.3636	419.413	479950.864	4624094.654	7.9926	267.880
676.963	6.3762	439.412	479952.947	4624114.545	7.8987	287.876
678.963	6.3774	441.413	479953.155	4624116.535	7.8900	289.876
696.963	6.3727	459.412	479954.922	4624134.447	7.7946	307.870
716.963	6.3343	479.410	479956.632	4624154.374	7.6517	327.857
736.963	6.2650	499.403	479958.077	4624174.322	7.4765	347.836
756.963	6.1683	519.388	479959.256	4624194.287	7.2742	367.803
776.963	6.0474	539.362	479960.168	4624214.266	7.0491	387.758
784.336	5.9972	546.723	479960.438	4624221.634	6.9610	395.111
796.963	5.9108	559.328	479960.867	4624234.253	6.8127	407.704
816.963	5.7817	579.294	479961.548	4624254.242	6.5957	427.653
836.963	5.6612	599.263	479962.229	4624274.230	6.3980	447.607
856.963	5.5484	619.234	479962.911	4624294.219	6.2172	467.565
876.963	5.4427	639.207	479963.592	4624314.207	6.0512	487.526
896.963	5.3434	659.181	479964.273	4624334.195	5.8983	507.490
916.963	5.2499	679.157	479964.954	4624354.184	5.7569	527.457
936.963	5.1618	699.134	479965.635	4624374.172	5.6259	547.426
956.963	5.0786	719.113	479966.316	4624394.161	5.5040	567.398

PK	AZ1	d1	X	Y	AZ2	d2
976.963	4.9998	739.092	479966.997	4624414.149	5.3905	587.371
994.752	4.9333	756.864	479967.602	4624431.928	5.2958	605.139
996.963	4.9252	759.073	479967.677	4624434.138	5.2844	607.347
1016.963	4.8501	779.052	479968.305	4624454.128	5.1797	627.321
1036.963	4.7581	799.020	479968.673	4624474.124	5.0560	647.282
1056.963	4.6323	818.955	479968.548	4624494.123	4.8927	667.210
1070.808	4.5174	832.719	479968.050	4624507.958	4.7469	680.968
1076.963	4.4577	838.824	479967.698	4624514.103	4.6719	687.071
1096.963	4.2268	858.584	479965.973	4624534.027	4.3855	706.821
1105.240	4.1154	866.722	479965.000	4624542.247	4.2487	714.956

EJE:8: Enlace Paso Superior

PK	AZ1	d1	X	Y	AZ2	d2
*BASE 1: BR30			479917.321	4623828.882	203.4878	151.775
*BASE 2: BR29			479909.010	4623677.335		
0.000	2.6979	132.420	479922.931	4623961.183	3.1197	284.189
*BASE 1: BR29			479909.010	4623677.335	190.4924	236.151
*BASE 2: BR28			479944.147	4623443.813		
0.000	3.1197	284.189	479922.931	4623961.183	397.3908	517.805
20.000	7.6031	283.809	479942.825	4623959.122	399.8366	515.311
39.961	12.0675	284.833	479962.679	4623957.066	2.2976	513.587

EJE:9: Glorieta Oeste

PK	AZ1	d1	X	Y	AZ2	d2
*BASE 1: BR29			479909.010	4623677.335	190.4924	236.151
*BASE 2: BR28			479944.147	4623443.813		
0.000	398.4883	288.671	479902.156	4623965.925	394.8910	523.798
20.000	397.0039	306.864	479894.574	4623983.859	394.1725	542.316
40.000	393.4085	315.268	479876.426	4623990.914	392.1597	551.277
60.000	389.6129	309.588	479858.721	4623982.812	389.9934	545.726
80.000	387.5645	292.697	479852.199	4623964.466	388.8719	528.709
100.000	388.7413	273.943	479860.815	4623947.005	389.5520	510.045
120.000	392.8676	265.349	479879.343	4623941.021	391.7491	501.413
*BASE 1: BR28			479944.147	4623443.813	395.5721	386.002
*BASE 2: BR30			479917.321	4623828.882		
120.000	391.7491	501.413	479879.343	4623941.021	379.2117	118.395
140.000	394.0325	508.563	479896.545	4623950.143	389.1976	123.028
157.080	394.8910	523.798	479902.156	4623965.925	392.9838	137.880

EJE:10: Glorieta Este

PK	AZ1	d1	X	Y	AZ2	d2
*BASE 1: BR3			479917.321	4623828.882	203.4878	151.775
*BASE 2: BR29			479909.010	4623677.335		
0.000	48.0579	169.484	480033.453	4623952.325	27.0539	301.837
20.000	41.6858	178.243	480025.871	4623970.259	24.1659	315.374
40.000	34.8259	173.795	480007.723	4623977.314	20.2385	315.804
60.000	30.4291	158.042	479990.018	4623969.212	17.2351	302.910
80.000	31.6437	138.777	479983.496	4623950.866	16.9255	283.491
100.000	39.5394	128.525	479992.112	4623933.405	19.9775	269.217
*BASE 1: BR29			479909.010	4623677.335	190.4924	236.151
*BASE 2: BR28			479944.147	4623443.813		
100.000	19.9775	269.217	479992.112	4623933.405	6.2171	491.936
120.000	24.5733	269.948	480010.640	4623927.421	8.6986	488.158
140.000	27.3653	285.149	480027.842	4623936.543	10.7114	499.788
157.080	27.0539	301.837	480033.453	4623952.325	11.0676	516.295

EJE: 11: Ramal Salida Este

PK	AZ1	d1	X	Y	AZ2	d2
*BASE 1: BR28			479944.147	4623443.813	390.4924	236.151
*BASE 2: BR29			479909.010	4623677.335		
0.000	392.6443	211.284	479919.789	4623653.688	172.7725	25.987
0.000	392.6443	211.284	479919.789	4623653.688	172.7725	25.987
20.000	393.0940	231.222	479919.113	4623673.676	122.1192	10.746
*BASE 1: BR29			479909.010	4623677.335	3.4878	151.775
*BASE 2: BR30			479917.321	4623828.882		
20.000	122.1192	10.746	479919.113	4623673.676	199.2648	155.216
40.000	35.2302	19.207	479919.105	4623693.675	199.1602	135.219
60.000	18.3197	37.886	479919.763	4623713.663	198.6512	115.244
70.436	15.1766	48.108	479920.370	4623724.082	198.1482	104.844
80.000	13.4522	57.564	479921.083	4623733.619	197.4870	95.337
100.000	11.5549	77.464	479922.993	4623753.527	195.2171	75.568
120.000	10.7228	97.432	479925.343	4623773.388	190.8602	56.071
140.000	10.3320	117.421	479927.983	4623793.213	181.5084	37.228
158.603	10.1321	136.020	479930.567	4623811.636	158.3046	21.746
160.000	10.1200	137.417	479930.762	4623813.019	155.2488	20.792
180.000	9.9701	157.414	479933.562	4623832.822	84.8482	16.712
200.000	9.8540	177.411	479936.361	4623852.625	43.0299	30.435
218.883	9.7661	196.292	479939.004	4623871.322	30.0702	47.658
220.000	9.7614	197.409	479939.161	4623872.428	29.5945	48.716
240.000	9.9127	217.393	479942.723	4623892.098	24.3243	68.129
259.383	11.0829	236.250	479949.931	4623910.014	24.3302	87.440
260.000	11.1441	236.824	479950.255	4623910.540	24.4055	88.049
280.000	13.8889	253.648	479963.910	4623924.971	28.7405	106.787
300.000	17.7320	265.856	479982.106	4623932.945	35.4496	122.581
320.000	22.1855	272.232	480001.971	4623933.203	43.3969	134.345
322.009	22.6501	272.523	480003.937	4623932.790	44.2379	135.275

EJE 12: Ramal Entrada Oeste

PK	AZ1	d1	X	Y	AZ2	d2
*BASE 1: BR30			479917.321	4623828.882	203.4878	151.775
*BASE 2: BR29			479909.010	4623677.335		
0.000	373.3902	135.069	479862.494	4623952.323	389.3320	278.895
20.000	375.5358	115.578	479873.991	4623936.031	391.4344	261.055
22.583	375.6517	113.004	479875.147	4623933.721	391.6401	258.613
40.000	375.2148	95.628	479881.024	4623917.353	392.6104	241.645
60.000	371.9080	76.136	479884.804	4623897.725	393.0358	221.716
70.583	368.8058	66.134	479886.197	4623887.234	393.1079	211.135
80.000	365.0949	57.429	479887.387	4623877.893	393.1629	201.720
100.000	351.9875	40.025	479889.916	4623858.053	393.2987	181.724
120.000	322.8482	26.569	479892.445	4623838.214	393.4682	161.730
140.000	272.0190	24.694	479894.974	4623818.375	393.6854	141.736
160.000	236.8292	36.245	479897.503	4623798.535	393.9739	121.745
177.414	222.5557	50.775	479899.705	4623781.260	394.3152	104.341
180.000	221.1221	53.081	479900.031	4623778.695	394.3750	101.757
200.000	213.3108	71.598	479902.460	4623758.844	394.8949	81.771
220.000	208.8578	90.787	479904.730	4623738.973	395.5864	61.786
240.000	206.0582	110.296	479906.841	4623719.085	396.6954	41.806
260.000	204.1799	129.982	479908.793	4623699.180	399.3670	21.846
280.000	202.8640	149.773	479910.585	4623679.261	43.6513	2.488
*BASE 1: BR29			479909.010	4623677.335	190.4924	236.151
*BASE 2: BR28			479944.147	4623443.813		
280.000	43.6513	2.488	479910.585	4623679.261	390.9861	237.828
300.000	188.7745	18.291	479912.219	4623659.328	390.6366	217.867
315.580	191.7522	33.828	479913.380	4623643.791	390.2818	202.331

EJE 13 : Ramal Entrada Este

PK	AZ1	d1	X	Y	AZ2	d2
*BASE 1: BR29			479909.010	4623677.335	3.4878	151.775
*BASE 2: BR30			479917.321	4623828.882		
0.000	23.3424	311.517	480020.689	4623968.145	40.6496	173.434
0.000	23.3424	311.517	480020.689	4623968.145	40.6496	173.434
18.709	20.0618	320.511	480008.349	4623982.063	34.1345	178.187
20.000	19.8713	321.374	480007.702	4623983.180	33.7333	178.820
40.000	17.5517	337.290	480000.828	4624001.887	28.6288	192.104
59.209	16.0859	354.762	479997.700	4624020.832	25.2459	208.100
60.000	16.0326	355.495	479997.595	4624021.616	25.1241	208.783
80.000	14.7540	374.106	479994.937	4624041.439	22.2887	226.284
100.000	13.5970	392.853	479992.279	4624061.261	19.8646	244.170
120.000	12.5457	411.718	479989.622	4624081.084	17.7738	262.361
140.000	11.5867	430.685	479986.964	4624100.907	15.9559	280.798
160.000	10.7088	449.742	479984.307	4624120.729	14.3631	299.436
180.000	9.9025	468.878	479981.649	4624140.552	12.9578	318.239
200.000	9.1595	488.083	479978.992	4624160.375	11.7097	337.180
220.000	8.4728	507.349	479976.334	4624180.197	10.5949	356.237
240.000	7.8364	526.670	479973.676	4624200.020	9.5935	375.392
240.707	7.8148	527.354	479973.582	4624200.721	9.5599	376.071
260.000	7.2504	546.051	479971.065	4624219.849	8.6968	394.643
280.000	6.7377	565.544	479968.753	4624239.714	7.9286	414.039
300.000	6.3247	585.191	479967.052	4624259.640	7.3174	433.620
313.850	6.1096	598.895	479966.397	4624273.474	6.9989	447.293
320.000	6.0347	605.004	479966.274	4624279.623	6.8871	453.391
335.844	5.8994	620.793	479966.455	4624295.464	6.6794	469.162
335.844	5.8994	620.793	479966.455	4624295.464	6.6794	469.162

EJE 14 : Ramal Salida Oeste

PK	AZ1	d1	X	Y	AZ2	
*BASE 1: BR30			479917.321	4623828.882	203.4878	151.775
*BASE 2: BR29			479909.010	4623677.335		
0.000	5.5493	493.873	479960.317	4624320.880	5.0648	645.587
0.000	5.5493	493.873	479960.317	4624320.880	5.0648	645.587
20.000	5.6584	473.891	479959.386	4624300.902	5.1319	625.598
34.407	5.7000	459.487	479958.406	4624286.528	5.1507	611.193
40.000	5.7071	453.894	479957.957	4624280.954	5.1510	605.600
60.000	5.6920	433.895	479956.064	4624261.044	5.1208	585.602
80.000	5.6186	413.901	479953.803	4624241.172	5.0469	565.614
100.000	5.4946	393.917	479951.277	4624221.332	4.9365	545.637
120.000	5.3292	373.941	479948.587	4624201.514	4.7976	525.671
132.407	5.2107	361.553	479946.881	4624189.225	4.7013	513.289
140.000	5.1336	353.973	479945.834	4624181.704	4.6397	505.712
160.000	4.9139	334.008	479943.076	4624161.895	4.4683	485.757
180.000	4.6662	314.048	479940.319	4624142.086	4.2822	465.805
200.000	4.3849	294.093	479937.561	4624122.278	4.0795	445.858
220.000	4.0626	274.145	479934.804	4624102.469	3.8578	425.915
240.000	3.6898	254.204	479932.046	4624082.660	3.6143	405.979
258.680	3.2847	235.590	479929.471	4624064.158	3.3642	387.364
260.000	3.2535	234.274	479929.289	4624062.851	3.3456	386.049
280.000	2.5788	214.421	479926.004	4624043.127	2.9556	366.187
300.000	0.8707	195.226	479919.991	4624024.090	2.0154	346.929
303.829	0.3365	191.759	479918.334	4624020.639	1.7287	343.430
320.000	397.1326	178.587	479909.280	4624007.288	0.0521	329.953
340.000	391.1266	167.115	479894.103	4623994.376	397.0089	317.391
360.000	383.6023	162.994	479875.801	4623986.499	393.1878	310.942
363.010	382.4277	163.090	479872.873	4623985.799	392.5758	310.573

EJE:15: Vía de Servicio Este

PK	AZ1	d1	X	Y	AZ2	d2
*BASE 1: BR30			479917.321	4623828.882	203.4878	151.775
*BASE 2: BR29			479909.010	4623677.335		
0.000	55.1358	141.470	480025.091	4623920.530	28.3511	269.478
20.000	63.8652	135.924	480031.931	4623901.957	31.8768	256.056
40.000	71.5674	123.858	480029.030	4623882.378	33.7135	237.587
50.631	74.8474	115.227	480023.671	4623873.233	33.7121	226.987
60.000	77.1190	106.747	480017.247	4623866.428	33.0966	217.879
66.256	78.5225	100.924	480012.556	4623862.288	32.4915	211.966
76.256	81.3271	91.876	480005.273	4623855.446	31.5443	202.460
80.000	82.8224	88.793	480002.902	4623852.551	31.3169	198.787
93.057	90.3847	80.536	479996.940	4623841.000	31.3859	185.790
100.000	95.6053	78.112	479995.247	4623834.270	31.9880	179.068
103.057	98.0354	77.379	479994.664	4623831.269	32.3253	176.160
120.000	112.0889	75.530	479991.493	4623814.625	34.4414	160.163
140.000	128.5610	78.166	479987.752	4623794.979	37.5503	141.564
160.000	143.0712	85.528	479984.010	4623775.332	41.5865	123.403
180.000	154.7841	96.541	479980.268	4623755.685	46.9843	105.907
200.000	163.8613	110.114	479976.526	4623736.038	54.4377	89.467
220.000	170.8386	125.420	479972.784	4623716.391	65.0177	74.783
240.000	176.2487	141.899	479969.042	4623696.744	80.0922	63.092
260.000	180.5092	159.187	479965.300	4623677.098	100.2685	56.290
*BASE 1: BR29			479909.010	4623677.335	190.4924	236.151
*BASE 2: BR28			479944.147	4623443.813		
260.000	100.2685	56.290	479965.300	4623677.098	5.7568	234.242
280.000	123.0297	56.184	479961.558	4623657.451	5.1769	214.346

EJE 16: Conexión N-II Sur

PK	AZ1	d1	X	Y	AZ2	d2
*BASE 1: BR30			479917.321	4623828.882	203.4878	151.775
*BASE 2: BR29			479909.010	4623677.335		
0.000	366.3151	150.134	479841.537	4623958.485	385.0054	289.134
0.000	366.3151	150.134	479841.537	4623958.485	385.0054	289.134
20.000	357.9725	151.466	479824.435	4623948.524	380.7543	284.071
30.153	353.7812	149.342	479818.175	4623940.565	378.8462	278.462
40.000	349.8526	145.627	479814.109	4623931.617	377.2598	271.414
60.000	342.1184	135.260	479810.599	4623911.982	374.7188	254.448
70.153	338.0350	129.700	479810.089	4623901.843	373.5790	245.335
80.000	333.7690	124.766	479809.700	4623892.003	372.4152	236.527
100.000	324.1083	116.679	479808.909	4623872.019	369.7656	218.911
109.898	318.8793	113.770	479808.518	4623862.129	368.2914	210.351
120.000	313.3112	111.524	479808.226	4623852.031	366.6876	201.684
129.898	307.7238	109.567	479808.560	4623842.143	365.1530	193.007
140.000	301.9439	107.317	479810.054	4623832.158	363.7947	183.746
160.000	290.2433	101.870	479816.645	4623813.331	362.0185	164.396
180.000	278.0669	95.228	479827.689	4623796.719	361.9316	144.449
182.836	276.2903	94.200	479829.579	4623794.605	362.0987	141.638
200.000	265.0764	88.081	479842.164	4623782.950	364.0773	124.991
202.836	263.1129	87.223	479844.335	4623781.124	364.5236	122.291
220.000	250.5345	84.420	479857.128	4623769.691	367.4160	105.931
222.836	248.3978	84.504	479859.090	4623767.644	367.8527	103.187
240.000	236.2523	89.029	479869.319	4623753.902	369.5541	86.243
260.000	225.8400	101.544	479877.227	4623735.588	368.2038	66.360
264.706	224.0976	105.303	479878.406	4623731.033	367.0223	61.807
280.000	219.9440	118.735	479880.729	4623715.926	359.7386	47.844
284.706	218.9636	123.058	479881.204	4623711.244	356.2752	43.851
300.000	216.2228	137.291	479882.713	4623696.025	339.3352	32.262
320.000	213.3992	156.207	479884.686	4623676.122	296.8281	24.354
*BASE 1: BR29			479909.010	4623677.335	190.4924	236.151

PK	AZ1	d1	X	Y	AZ2	d2
*BASE 2: BR28			479944.147	4623443.813		
320.000	296.8281	24.354	479884.686	4623676.122	384.0477	239.798
340.000	251.8098	30.748	479886.659	4623656.220	383.1729	220.049
360.000	229.3547	45.801	479888.631	4623636.317	382.1257	200.349
380.000	218.6789	63.640	479890.604	4623616.415	380.8507	180.716
400.000	212.7697	82.476	479892.577	4623596.512	379.2656	161.172
410.686	210.6058	92.741	479893.631	4623585.878	378.2506	150.779
420.000	209.0369	101.742	479894.616	4623576.617	377.2737	141.740
429.095	207.5390	110.486	479895.957	4623567.622	376.3694	132.857
440.000	205.5660	120.782	479898.463	4623557.014	375.5810	122.072
458.029	201.9222	137.215	479904.868	4623540.182	375.3606	104.067
460.000	201.5018	138.962	479905.732	4623538.411	375.4430	102.101
476.438	198.0480	153.364	479913.712	4623524.043	376.9176	85.809
480.000	197.3566	156.503	479915.507	4623520.967	377.3716	82.298
494.847	194.9211	169.971	479922.556	4623507.904	379.3137	67.630
500.000	194.2914	174.833	479924.666	4623503.205	379.8227	62.505
520.000	192.8759	194.380	479930.717	4623484.171	379.5484	42.534
525.471	192.7365	199.834	479931.761	4623478.801	378.3388	37.115
540.000	192.7177	214.359	479933.477	4623464.377	369.5305	23.168
543.070	192.7441	217.427	479933.738	4623461.318	365.8479	20.366
554.362	192.8466	228.713	479934.655	4623450.064	337.0751	11.365

EJE 18: Vía de Servicio Oeste

PK	AZ1	d1	X	Y	AZ2	d2
*BASE 1: BR30			479917.321	4623828.882	203.4878	151.775
*BASE 2: BR29	479909.010	4623677.335				
0.000	379.9215	358.448	479806.134	4624169.650	386.8857	502.948
20.000	377.7915	342.240	479800.337	4624150.508	385.6281	485.492
20.852	377.6964	341.559	479800.091	4624149.693	385.5726	484.753
40.000	375.4845	326.325	479794.740	4624131.308	384.3017	468.134
60.000	373.1640	310.039	479790.464	4624111.780	383.0415	450.328
71.988	371.8699	299.782	479789.126	4624099.871	382.4001	439.214
80.000	371.0853	292.652	479788.924	4624091.864	382.0490	431.572
100.000	369.4849	273.991	479790.960	4624071.995	381.4969	411.938
120.000	368.5146	254.428	479796.555	4624052.823	381.4751	391.966
140.000	368.3583	234.465	479805.525	4624034.978	382.0689	372.314
147.625	368.5597	226.877	479809.774	4624028.649	382.4740	365.060
160.000	369.2301	214.727	479817.531	4624019.012	383.3460	353.711
180.000	371.1434	195.709	479831.617	4624004.827	385.2265	336.513
198.761	373.7165	178.537	479845.687	4623992.417	387.3738	321.383
200.000	373.9081	177.419	479846.624	4623991.608	387.5247	320.405
201.271	374.1071	176.275	479847.586	4623990.777	387.6805	319.404

EJE 19: Relleno Interior Glorieta Oeste

PK	AZ1	d1	X	Y	AZ2	d2
*BASE 1: BR29			479909.010	4623677.335	190.4924	236.151
*BASE 2: BR28			479944.147	4623443.813		
0.000	396.2687	289.086	479892.076	4623965.925	393.6718	524.702
20.000	394.0427	304.448	479880.562	4623980.451	392.4918	540.392
40.000	390.3241	298.665	479863.791	4623972.557	390.3984	534.815
60.000	390.5667	280.162	479867.648	4623954.427	390.5327	516.313
*BASE 1: BR28			479944.147	4623443.813	395.5721	386.002
*BASE 2: BR30			479917.321	4623828.882		
60.000	390.5327	516.313	479867.648	4623954.427	376.0148	135.015
80.000	392.7983	513.513	479886.180	4623954.043	384.4756	128.977
93.745	393.6718	524.702	479892.076	4623965.925	388.4027	139.349

EJE 20: Relleno Interior Glorieta Este

PK	AZ1	d1	X	Y	AZ2	d2
*BASE 1: BR30			479917.321	4623828.882	203.4878	151.775
*BASE 2: BR29			479909.010	4623677.335		
0.000	45.1849	162.743	480023.373	4623952.325	25.0905	297.823
20.000	38.2438	167.251	480011.859	4623966.851	21.7303	307.242
40.000	34.3040	151.549	479995.088	4623958.957	18.8842	294.483
60.000	40.1083	138.543	479998.945	4623940.827	20.9398	278.418
*BASE 1: BR29			479909.010	4623677.335	190.4924	236.151
*BASE 2: BR28			479944.147	4623443.813		
60.000	20.9398	278.418	479998.945	4623940.827	6.9908	500.026
80.000	24.8933	284.589	480017.477	4623940.443	9.3326	502.015
93.745	25.0905	297.823	480023.373	4623952.325	9.8394	514.647

EJE 34: Camino de Servicio 1

PK	AZ1	d1	X	Y	AZ2	d2
*BASE 1: BR30			479917.321	4623828.882	195.5721	386.002
*BASE 2: BR28			479944.147	4623443.813		
0.000	52.5248	171.334	480043.181	4623945.135	12.4163	511.010
20.000	57.9983	184.215	480062.876	4623941.793	14.9002	511.938
40.000	61.8984	200.358	480082.853	4623941.764	17.2949	516.909
60.000	64.3410	218.650	480102.558	4623945.050	19.4874	525.673
80.000	65.5493	238.151	480121.445	4623951.559	21.3872	537.811
82.406	65.6230	240.542	480123.637	4623952.552	21.5928	539.473
100.000	66.8220	257.406	480140.554	4623957.040	23.2682	549.525
120.000	69.5750	273.623	480160.286	4623954.729	25.4782	554.754
140.000	73.2989	284.936	480177.561	4623944.917	27.7512	552.799
144.753	74.2756	286.764	480180.991	4623941.630	28.2705	551.286

EJE 35: Reposición Carretera Montbarbat

PK	AZ1	d1	X	Y	AZ2	d2
*BASE 1: BR30			479917.321	4623828.882	203.4878	151.775
*BASE 2: BR29			479909.010	4623677.335		
0.000	71.0432	261.297	480152.051	4623943.678	47.0898	360.566
20.000	70.6095	280.195	480168.183	4623953.692	47.9579	378.871
40.000	66.6813	287.533	480166.365	4623972.592	45.6405	391.674
60.000	63.2834	275.934	480148.621	4623979.348	42.6975	385.519
80.000	64.0810	257.243	480134.694	4623966.443	42.1959	366.765
100.000	68.6862	252.719	480140.079	4623948.236	44.9589	356.063
*BASE 1: BR29			479909.010	4623677.335	190.4924	236.151
*BASE 2: BR28			479944.147	4623443.813		
100.000	44.9589	356.063	480140.079	4623948.236	23.5862	541.140
113.097	47.0898	360.566	480152.051	4623943.678	25.0927	541.377

EJE 36 : Camino de Servicio 2

PK	AZ1	d1	X	Y	AZ2	d2
*BASE 1: BR29			479909.010	4623677.335	3.4878	151.775
*BASE 2: BR30			479917.321	4623828.882		
0.000	43.1619	371.815	480142.222	4623966.918	64.9554	263.883
20.000	40.7285	385.428	480139.112	4623986.540	60.6591	272.117
36.956	38.2107	392.373	480130.629	4624001.128	56.7547	274.170
40.000	37.7362	393.209	480128.677	4624003.463	56.0478	274.135
60.000	34.6716	399.232	480115.850	4624018.808	51.4096	274.746
80.000	31.7047	406.152	480103.022	4624034.153	46.8161	276.805
100.000	28.8432	413.924	480090.195	4624049.498	42.3135	280.280
101.500	28.6329	414.540	480089.233	4624050.649	41.9806	280.596
120.000	26.1265	422.933	480077.748	4624065.149	37.9742	285.586
140.000	23.6163	433.647	480066.213	4624081.484	33.9072	293.218
160.000	21.3295	445.911	480055.630	4624098.452	30.1790	302.980
180.000	19.2745	459.563	480046.033	4624115.995	26.8295	314.644
200.000	17.4527	474.441	480037.454	4624134.059	23.8745	327.971
220.000	15.8600	490.387	480029.920	4624152.583	21.3113	342.725
240.000	14.4882	507.251	480023.456	4624171.507	19.1239	358.687
260.000	13.3262	524.892	480018.084	4624190.769	17.2880	375.653
280.000	12.3616	543.179	480013.821	4624210.306	15.7753	393.442
300.000	11.5808	561.993	480010.680	4624230.055	14.5560	411.893
320.000	10.9703	581.225	480008.673	4624249.952	13.6008	430.865
340.000	10.5167	600.774	480007.805	4624269.930	12.8819	450.234
345.714	10.4141	606.404	480007.766	4624275.644	12.7163	455.825
360.000	10.1775	620.507	480007.788	4624289.930	12.3350	469.840
380.000	9.8639	640.265	480007.817	4624309.930	11.8379	489.486
400.000	9.5690	660.037	480007.847	4624329.930	11.3792	509.160
420.000	9.2913	679.822	480007.876	4624349.930	10.9547	528.858
440.000	9.0293	699.620	480007.906	4624369.930	10.5607	548.578
460.000	8.7817	719.429	480007.936	4624389.930	10.1940	568.318
480.000	8.5474	739.248	480007.965	4624409.930	9.8519	588.076
500.000	8.3253	759.076	480007.995	4624429.930	9.5321	607.849
520.000	8.1146	778.914	480008.024	4624449.930	9.2325	627.636
540.000	7.9143	798.759	480008.054	4624469.930	8.9512	647.437
560.000	7.7237	818.612	480008.083	4624489.930	8.6865	667.249
580.000	7.5421	838.472	480008.113	4624509.930	8.4372	687.073
600.000	7.3690	858.338	480008.143	4624529.930	8.2018	706.906
620.000	7.2037	878.211	480008.172	4624549.930	7.9793	726.749
628.455	7.1360	886.614	480008.185	4624558.385	7.8888	735.140

EJE 37: Glorieta Partida Camino de Servicio

PK	AZ1	d1	X	Y	AZ2	d2
*BASE 1: BR30			479917.321	4623828.882	195.5721	386.002
*BASE 2: BR28			479944.147	4623443.813		
0.000	52.5248	171.334	480043.181	4623945.135	12.4163	511.010
20.000	57.9983	184.215	480062.876	4623941.793	17.2949	511.938
40.000	61.8984	200.358	480082.853	4623941.764	17.2949	516.909
60.000	64.3410	218.650	480102.558	4623945.050	19.4874	525.673
80.000	65.5493	238.151	480121.445	4623951.559	21.3872	537.811
82.406	65.6230	240.542	480123.637	4623952.552	21.5928	539.473
100.000	66.8220	257.406	480140.554	4623957.040	23.2682	549.525
120.000	69.5750	273.623	480160.286	4623954.729	25.4782	554.754
140.000	73.2989	284.936	480177.561	4623944.917	27.7512	552.799
144.753	74.2756	286.764	480180.991	4623941.630	28.2705	551.286

EJE: 38: e38

PK	AZ1	d1	X	Y	AZ2	d2
*BASE 1: BR29			479909.010	4623677.335	3.4878	151.775
*BASE 2: BR30			479917.321	4623828.882		
0.000	47.8480	366.693	480159.390	4623945.242	71.4744	268.583
16.903	50.0746	376.077	480175.248	4623942.950	73.4919	282.025
20.000	50.5979	376.234	480177.535	4623940.862	74.1287	283.286
21.823	50.9063	376.243	480178.815	4623939.565	74.5094	283.953

EJE:39:e39

PK	AZ1	d1	X	Y	AZ2	d2
			479944.147	4623443.813	390.4924	236.151
			479909.010	4623677.335		
0.000	28.3944	554.087	480183.167	4623943.695	50.9183	382.243
			479909.010	4623677.335	3.4878	151.775
			479917.321	4623828.882		
0.000	50.9183	382.243	480183.167	4623943.695	74.0463	289.579
9.368	49.3621	381.641	480176.154	4623949.886	72.1599	285.721
20.000	47.6752	383.986	480170.435	4623958.586	69.8532	284.412
23.277	47.2642	386.111	480170.051	4623964.847	69.1698	285.567

EJE:45:e45

PK	AZ1	d1	X	Y	AZ2	d2
			479909.010	4623677.335	3.4878	151.775
			479917.321	4623828.882		
0.000	396.6082	271.043	479894.576	4623947.993	387.9880	121.263
20.000	0.6865	279.875	479912.028	4623957.194	397.3754	128.421
30.594	3.0764	280.695	479922.569	4623957.702	2.5921	128.927

EJE:46:e46

PK	AZ1	d1	X	Y	AZ2	d2
			479909.010	4623677.335	3.4878	151.775
			479917.321	4623828.882		
0.000	3.1616	287.685	479923.291	4623964.665	2.7972	135.914
7.646	1.4749	288.196	479915.686	4623965.453	399.2380	136.581
20.000	399.0300	293.023	479904.545	4623970.324	394.2653	142.017
28.070	398.0224	299.524	479899.707	4623976.714	392.4503	148.878

EJE:47:e47

PK	AZ1	d1	X	Y	AZ2	d2
			479944.147	4623443.813	395.5721	386.002
			479917.321	4623828.882		
0.000	5.6549	528.527	479991.033	4623970.256	30.5971	159.437
20.000	3.6188	518.079	479973.581	4623961.055	25.6192	143.648
30.595	2.3265	517.079	479963.039	4623960.547	21.2761	139.376

EJE:48:e48

PK	AZ1	d1	X	Y	AZ2	d2
*BASE 1: BR30			479917.321	4623828.882	203.4878	151.775
*BASE 2: BR29			479909.010	4623677.335		
0.000	22.0457	132.573	479962.318	4623953.585	12.1357	281.346
7.641	25.5548	134.617	479969.918	4623952.798	13.8536	282.117
20.000	31.2965	135.035	479981.063	4623947.926	16.5675	280.020
28.070	34.8132	131.886	479985.901	4623941.535	18.0297	275.162

EJE:49:e49

PK	AZ1	d1	X	Y	AZ2	d2
*BASE 1: BR30			479917.321	4623828.882	195.5721	386.002
*BASE 2: BR28			479944.147	4623443.813		
0.000	381.5169	167.794	479869.286	4623989.654	391.3231	550.951
*BASE 1: BR28			479944.147	4623443.813	390.4924	236.151
*BASE 2: BR29			479909.010	4623677.335		
0.000	391.3231	550.951	479869.286	4623989.654	391.9461	314.835
PK	AZ1	d1	X	Y	AZ2	d2
1.374	391.1678	550.664	479867.995	4623989.186	391.6749	314.537
20.000	389.2081	555.865	479850.369	4623991.710	388.2598	319.798
20.949	389.1369	556.582	479849.634	4623992.312	388.1383	320.524
21.504	389.0967	557.010	479849.214	4623992.674	388.0699	320.958

EJE:50 :e50

PK	AZ1	d1	X	Y	AZ2	d2
*BASE 1: BR30			479917.321	4623828.882	203.4878	151.775
*BASE 2: BR29			479909.010	4623677.335		
0.000	373.2898	175.198	479845.952	4623988.885	387.2865	317.867
6.135	374.2679	169.665	479850.595	4623984.875	388.0502	313.039
18.031	373.6374	158.576	479853.515	4623974.055	388.2294	301.865
18.883	373.4089	157.942	479853.252	4623973.245	388.1432	301.118

EJE:51:DEFLECTORA SALIDA GLORIETA OESTE-CAM SERV OEST

PK	AZ1	d1	X	Y	AZ2	d2
*BASE 1: BR30			479917.321	4623828.882	203.4878	151.775
*BASE 2: BR29			479909.010	4623677.335		
0.000	373.0464	156.855	479852.877	4623971.887	388.0117	299.853
0.000	373.0464	156.855	479852.877	4623971.887	388.0117	299.853
15.766	367.1714	152.176	479842.280	4623961.270	385.3049	291.671
18.795	365.9461	152.917	479839.369	4623960.438	384.6445	291.543

EJE:52:DEFLECTORA ENTRDA CAM SERV OEST-GLORIETA OESTE

PK	AZ1	d1	X	Y	AZ2	d2
			479917.321	4623828.882	203.4878	151.775
			479909.010	4623677.335		
0.000	365.4748	148.042	479840.913	4623955.682	384.7252	286.556
18.378	370.8778	135.674	479857.399	4623950.606	388.1165	278.103

EJE:53:DEFLECTORA SALIDA GLORIETA ESTE-CAM SERV ESTE

PK	AZ1	d1	X	Y	AZ2	d2
			479917.321	4623828.882	203.4878	151.775
			479909.010	4623677.335		
0.000	47.7406	134.539	480009.019	4623927.331	24.2261	269.258
0.000	47.7406	134.539	480009.019	4623927.331	24.2261	269.258
13.409	53.3656	139.230	480020.836	4623921.993	27.2931	269.003
17.033	55.0193	138.983	480023.032	4623919.112	28.0539	267.315

EJE:54:DEFLECTORA ENTRADA CAM SERV ESTE-GLORIETA ESTE

PK	AZ1	d1	X	Y	AZ2	d2
			479909.010	4623677.335	3.4878	151.775
			479917.321	4623828.882		
0.000	28.6435	271.647	480027.150	4623921.947	55.2482	143.957
0.040	28.6354	271.667	480027.128	4623921.980	55.2306	143.961
15.557	27.3566	285.002	480027.745	4623936.425	50.8415	154.140

EJE:55:e55

PK	AZ1	d1	X	Y	AZ2	d2
			479909.010	4623677.335	3.4878	151.775
			479917.321	4623828.882		
0.000	27.4147	286.078	480028.431	4623937.295	50.7821	155.238
14.125	29.4399	295.750	480040.954	4623942.021	52.8196	167.588
15.675	29.7621	296.150	480042.472	4623941.707	53.2944	168.500

EJE:56:e56

PK	AZ1	d1	X	Y	AZ2	d2
*BASE 1: BR28			479944.147	4623443.813	390.4924	236.151
*BASE 2: BR29			479909.010	4623677.335		
0.000	12.4202	514.510	480043.890	4623948.562	29.3788	302.914
*BASE 1: BR29			479909.010	4623677.335	3.4878	151.775
*BASE 2: BR30			479917.321	4623828.882		
0.000	29.3788	302.914	480043.890	4623948.562	51.7805	174.192
16.349	26.2921	307.688	480032.502	4623959.153	46.0911	173.888

EJE:57:e57

PK	AZ1	d1	X	Y	AZ2	d2
*BASE 1: BR29			479909.010	4623677.335	3.4878	151.775
*BASE 2: BR30			479917.321	4623828.882		
0.000	42.6037	345.010	480043.890	4623947.929	66.6035	237.686
0.291	42.6287	345.267	480123.311	4623948.047	66.6119	237.975
20.000	45.4311	356.210	480142.179	4623946.626	69.2908	253.820
20.120	45.4523	356.227	480142.279	4623946.561	69.3169	253.879

EJE:58:e58

PK	AZ1	d1	X	Y	AZ2	d2
*BASE 1: BR30			479917.321	4623828.882	203.4878	151.775
*BASE 2: BR29			479909.010	4623677.335		
0.000	63.7601	258.856	480135.356	4623968.407	42.0775	368.721
14.288	64.6972	245.371	480125.922	4623958.082	41.8784	354.781
20.000	64.5369	239.693	480120.776	4623955.604	41.4128	349.684
21.020	64.4996	238.682	480119.844	4623955.189	41.3234	348.789

EJE:59:e59

PK	AZ1	d1	X	Y	AZ2	d2
*BASE 1: BR30			479917.321	4623828.882	203.4878	151.775
*BASE 2: BR29			479909.010	4623677.335		
0.000	58.3114	271.404	480132.584	4623994.177	39.1200	387.780
9.568	60.5224	269.684	480136.794	4623985.603	40.5125	383.294
20.000	62.6695	264.663	480137.771	4623975.335	41.6798	375.680
25.935	63.5686	260.055	480135.943	4623969.711	42.0195	370.112

EJE60:e60

PK	AZ1	d1	X	Y	AZ2	d2
	*BASE 1: BR28		479944.147	4623443.813	390.4924	236.151
	*BASE 2: BR29		479909.010	4623677.335		
0.000	23.9936	575.826	480156.069	4623979.224	43.6623	390.096
	*BASE 1: BR29		479909.010	4623677.335	3.4878	151.775
	*BASE 2: BR30		479917.321	4623828.882		
0.000	43.6623	390.096	480156.069	4623979.224	64.2233	282.140
20.000	40.4836	389.399	480140.279	4623990.617	60.0474	275.443
22.097	40.1729	390.279	480139.267	4623992.453	59.5670	275.71
27.101	39.4353	392.392	480136.827	4623996.820	58.4237	276.381

EJE:87:Auxiliar cuneta guarda talud ejecutado E18

PK	AZ1	d1	X	Y	AZ2	d2
*BASE 1: BR30			479917.321	4623828.882	203.4878	151.775
*BASE 2: BR29			479909.010	4623677.335		
0.000	380.6457	357.245	479810.378	4624169.744	387.4147	502.191
16.654	378.9454	343.467	479805.788	4624153.735	386.4162	487.455
20.000	378.5765	340.771	479804.797	4624150.540	386.2001	484.544
34.889	376.8621	328.922	479800.389	4624136.318	385.2062	471.660
40.000	376.3251	324.618	479799.364	4624131.311	384.9131	467.029
51.966	375.0107	314.636	479796.964	4624119.588	384.2034	456.226
60.000	374.1640	307.750	479795.826	4624111.635	383.7700	448.806
64.458	373.6776	303.953	479795.195	4624107.221	383.5232	444.698
78.076	372.2728	292.028	479794.115	4624093.647	382.8571	431.876
80.000	372.0779	290.323	479794.029	4624091.725	382.7691	430.046
80.052	372.0726	290.277	479794.027	4624091.673	382.7668	429.997
99.732	371.5925	270.711	479800.493	4624073.085	382.9622	410.359
100.000	371.5817	270.446	479800.565	4624072.827	382.9625	410.091
105.676	371.3468	264.857	479802.097	4624067.362	382.9676	404.415
114.270	371.0231	256.366	479804.619	4624059.147	383.0094	395.825
120.000	371.0332	250.636	479807.174	4624054.017	383.1908	390.205
125.184	371.0427	245.452	479809.485	4624049.377	383.3594	385.124
137.460	371.8043	233.515	479817.246	4624039.866	384.2174	373.964
140.000	371.9790	231.056	479818.873	4624037.915	384.4056	371.676
144.288	372.2827	226.909	479821.620	4624034.623	384.7286	367.820
153.294	373.2413	218.551	479828.140	4624028.409	385.5869	360.268

EJE:103:Canal Can Cartella 2022 Propuesta ACA

PK	AZ1	d1	X	Y	AZ2	d2
*BASE 1: BR29			479909.010	4623677.335	3.4878	151.775
*BASE 2: BR30			479917.321	4623828.882		
0.000	36.0370	207.105	480020.084	4623852.135	85.8334	105.361
20.000	30.4130	214.429	480007.596	4623867.757	74.1131	98.290
40.000	25.1982	223.310	479995.109	4623883.380	61.0946	94.979
60.000	20.4115	233.570	479982.622	4623899.002	47.7351	95.818
80.000	16.0499	245.036	479970.134	4623914.625	35.1454	100.703
100.000	12.0949	257.547	479957.647	4623930.248	24.1043	109.092
105.400	11.0934	261.084	479954.275	4623934.465	21.4335	111.864
120.000	7.5318	260.471	479939.754	4623935.985	13.1443	109.428
140.000	2.6484	260.959	479919.863	4623938.068	1.4819	109.215
142.216	2.1091	261.107	479917.659	4623938.299	0.1966	109.417
160.000	398.1762	253.099	479901.760	4623930.330	390.3106	102.634
169.334	396.0153	249.301	479893.416	4623926.147	384.6579	100.160
180.000	393.4745	252.953	479883.127	4623928.960	379.0403	105.758
200.000	388.9186	260.841	479863.835	4623934.234	370.0930	118.152
220.000	384.6504	269.983	479844.543	4623939.508	362.9557	132.419
220.051	384.6399	270.007	479844.494	4623939.521	362.9396	132.457
240.000	384.2629	289.888	479838.078	4623958.411	365.0474	151.846
259.666	383.9387	309.494	479831.753	4623977.032	366.6559	171.085
260.000	383.8900	309.730	479831.465	4623977.201	366.5946	171.376
280.000	381.1059	324.152	479814.212	4623987.316	363.2708	189.031
300.000	378.5633	339.141	479796.958	4623997.431	360.5209	207.113
320.000	376.2393	354.625	479779.704	4624007.545	358.2161	225.519
338.348	374.2810	369.212	479763.875	4624016.825	356.4113	242.628

APÉNDICE Nº2.- LISTADOS DE REPLANTEO. PUNTOS SINGULARES

C.R.S. : WGS 84 (HUSO 31)
EJE : 1 Tronco N-II

TIPO	PK Estac.	Azimet	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA	
BR :	BR28	X:	479944.147	Y:	4623443.813	Z:	94.222	PK:	2.675	Dis=	-14.427		
BO :	BR29	X:	479909.010	Y:	4623677.335	Z:	104.713	PK:	238.027	Distancia:	236.151	Azimet:	390.492392
											Dis=	-6.652	
RECTA	-603.037	29.429078	0.000	479802.990	4622875.880	215.508627	585.212	225.016234	208.372873	808.437	17.880481	126.952	
RECTA	-583.037	29.429078	0.000	479811.910	4622893.781	215.020389	565.705	224.527997	207.849165	789.548	17.356773	125.752	
RECTA	-563.037	29.429078	0.000	479820.829	4622911.682	214.497311	546.233	224.004918	207.299824	770.715	16.807432	124.552	
RECTA	-543.037	29.429078	0.000	479829.749	4622929.583	213.935603	526.802	223.443210	206.723008	751.942	16.230616	123.352	
RECTA	-523.037	29.429078	0.000	479838.669	4622947.483	213.330920	507.414	222.838528	206.116706	733.233	15.624314	122.152	
RECTA	-503.037	29.429078	0.000	479847.588	4622965.384	212.678258	488.076	222.185866	205.478716	714.595	14.986324	120.952	
RECTA	-483.037	29.429078	0.000	479856.508	4622983.285	211.971824	468.793	221.479432	204.806627	696.033	14.314235	119.752	
RECTA	-463.037	29.429078	0.000	479865.427	4623001.186	211.204887	449.573	220.712495	204.097792	677.552	13.605400	118.552	
RECTA	-443.037	29.429078	0.000	479874.347	4623019.087	210.369579	430.424	219.877186	203.349304	659.160	12.856912	117.352	
RECTA	-423.037	29.429078	0.000	479883.267	4623036.988	209.456660	411.355	218.964268	202.557965	640.865	12.065572	116.152	
RECTA	-403.037	29.429078	0.000	479892.186	4623054.888	208.455223	392.380	217.962831	201.720253	622.674	11.227861	114.952	
CLOT.	-401.516	29.429078	0.000	479892.865	4623056.250	208.375077	390.941	217.882685	201.654530	621.295	11.162138	114.861	
CLOT.	-383.037	29.193942	0.000	479901.086	4623072.799	207.355961	373.504	216.863569	200.834447	604.588	10.342055	113.752	
CLOT.	-363.037	28.409512	0.000	479909.841	4623090.781	206.166947	354.695	215.674555	199.909771	586.555	9.417379	112.552	
CLOT.	-343.037	27.074194	0.000	479918.296	4623108.905	204.904171	335.904	214.411779	198.960052	568.506	8.467660	111.352	
CLOT.	-323.037	25.187989	0.000	479926.290	4623127.238	203.587155	317.079	213.094763	198.000862	550.369	7.508470	110.152	
CIRC.	-317.470	24.564987	0.000	479928.411	4623132.385	203.214082	311.826	212.721690	197.734544	545.296	7.242152	109.818	
CIRC.	-303.037	22.894346	0.000	479933.667	4623145.826	202.238092	298.171	211.745700	197.048835	532.080	6.556443	108.952	

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
CIRC.	-283.037	20.579365	0.000	479940.363	4623164.671	200.862879	279.168	210.370487	196.111437	513.622	5.619045	107.752
CIRC.	-263.037	18.264384	0.000	479946.370	4623183.746	199.455776	260.076	208.963384	195.190527	495.001	4.698134	106.589
CIRC.	-243.037	15.949403	0.000	479951.680	4623203.027	198.009025	240.903	207.516632	194.288195	476.223	3.795803	105.508
CIRC.	-223.037	13.634422	0.000	479956.285	4623222.489	196.512135	221.657	206.019743	193.406902	457.296	2.914510	104.508
CIRC.	-203.037	11.319441	0.000	479960.179	4623242.105	194.950568	202.344	204.458176	192.549556	438.228	2.057164	103.590
CIRC.	-183.037	9.004460	0.000	479963.358	4623261.850	193.303576	182.975	202.811184	191.719623	419.025	1.227231	102.753
CIRC.	-163.037	6.689479	0.000	479965.817	4623281.697	191.540500	163.558	201.048108	190.921269	399.696	0.428877	101.998
CIRC.	-143.037	4.374498	0.000	479967.553	4623301.620	189.614079	144.106	199.121686	190.159538	380.248	399.667146	101.325
CIRC.	-123.037	2.059517	0.000	479968.563	4623321.594	187.447499	124.634	196.955107	189.440605	360.692	398.948213	100.733
CIRC.	-103.037	399.744536	0.000	479968.846	4623341.590	184.907204	105.164	194.414812	188.772099	341.035	398.279707	100.223
CIRC.	-83.037	397.429555	0.000	479968.402	4623361.584	181.739247	85.731	191.246855	188.163566	321.288	397.671174	99.794
CIRC.	-63.037	395.114574	0.000	479967.232	4623381.549	177.397058	66.406	186.904666	187.627097	301.462	397.134704	99.448
CIRC.	-43.037	392.799593	0.000	479965.336	4623401.458	170.469083	47.360	179.976691	187.178235	281.569	396.685843	99.182
CIRC.	-23.037	390.484612	0.000	479962.718	4623421.285	156.110417	29.196	165.618025	186.837287	261.623	396.344895	98.999
CLOT.	-6.669	388.589990	0.000	479960.040	4623437.432	124.305788	17.127	133.813396	186.657159	245.270	396.164767	98.909
CLOT.	-3.037	388.178713	0.000	479959.381	4623441.003	111.611192	15.491	121.118800	186.631227	241.640	396.138835	98.897
CLOT.	16.963	386.239208	0.000	479955.376	4623460.597	37.537017	20.194	47.044625	186.583240	221.642	396.090848	98.877
CLOT.	36.963	384.850590	0.000	479950.860	4623480.080	11.651396	36.883	21.159003	186.690773	201.645	396.198380	98.938
CLOT.	56.963	384.012860	0.000	479946.003	4623499.482	2.122247	55.699	11.629855	186.944482	181.660	396.452090	99.081
CLOT.	76.963	383.726017	0.000	479940.976	4623518.839	397.310910	75.093	6.818518	187.330378	161.687	396.837985	99.306
CLOT.	77.377	383.725899	0.000	479940.871	4623519.240	397.237012	75.498	6.744620	187.339621	161.274	396.847229	99.311
CLOT.	96.963	384.031173	0.000	479935.949	4623538.197	394.484401	94.740	3.992009	187.824739	141.722	397.332347	99.612
CLOT.	116.963	384.972931	0.000	479931.112	4623557.603	392.739066	114.534	2.246674	188.378997	121.755	397.886604	100.000
CLOT.	136.963	386.551308	0.000	479926.660	4623577.101	391.695275	134.430	1.202883	188.903502	101.776	398.411110	100.469

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
CLOT.	156.963	388.766305	0.000	479922.791	4623596.722	391.165906	154.393	0.673514	189.220832	81.782	398.728440	101.020
CIRC.	166.266	390.013502	0.000	479921.246	4623605.896	391.064338	163.692	0.571946	189.200606	72.480	398.708214	101.305
CIRC.	176.963	391.526860	0.000	479919.701	4623616.480	391.046295	174.389	0.553902	188.928894	61.787	398.436501	101.653
CIRC.	196.963	394.356281	0.000	479917.488	4623636.356	391.241258	194.380	0.748865	187.012241	41.847	396.519848	102.502
CLOT.	213.583	396.707576	0.000	479916.323	4623652.934	391.579014	210.964	1.086622	181.463236	25.473	390.970844	103.281
CLOT.	216.963	397.176612	0.000	479916.160	4623656.310	391.663505	214.332	1.171113	179.129966	22.207	388.637574	103.453

PROYECTO :
C.R.S. : WGS 84 (HUSO 31)
EJE : 1 : Tronco N-II

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
BR :	BR29			X: 479909.010	Y: 4623677.335	Z: 104.713	PK: 238.027		Dis= -6.652			
BO :	BR30			X: 479917.321	Y: 4623828.882	Z: 111.011	PK: 389.259		Distancia: 151.775	Azimut: 389.259		3.487797
									Dis= -6.159			
CLOT.	216.963	397.176612	0.000	479916.160	4623656.310	179.129966	22.207	175.642169	200.428112	172.576	396.940315	103.453
CLOT.	236.963	399.580146	0.000	479915.668	4623676.303	109.790641	6.737	106.302844	200.689763	152.588	397.201966	104.459
CLOT.	256.963	1.347059	0.000	479915.830	4623696.302	21.975241	20.156	18.487444	200.715875	132.589	397.228077	105.363
CLOT.	276.963	2.477352	0.000	479916.447	4623716.292	12.009400	39.660	8.521602	200.493963	112.594	397.006166	106.258
CIRC.	286.472	2.791461	0.000	479916.843	4623725.793	10.201866	49.087	6.714069	200.295457	103.090	396.807659	106.703
CIRC.	296.963	3.058606	0.000	479917.324	4623736.273	8.922007	59.521	5.434210	199.997663	92.609	396.509865	107.222
CIRC.	316.963	3.567902	0.000	479918.365	4623756.245	7.512057	79.463	4.024260	199.085215	72.644	395.597417	108.237
CIRC.	336.963	4.077198	0.000	479919.565	4623776.209	6.770371	99.436	3.282574	197.289487	52.720	393.801690	109.267
CIRC.	356.963	4.586494	0.000	479920.925	4623796.163	6.362088	119.424	2.874290	193.016139	32.917	389.528342	110.196
CIRC.	376.963	5.095789	0.000	479922.444	4623816.105	6.143925	139.419	2.656128	175.722585	13.766	372.234787	110.981
CIRC.	396.963	5.605085	0.000	479924.123	4623836.034	6.044379	159.417	2.556582	48.402075	9.871	244.914278	111.409
CIRC.	416.963	6.114381	0.000	479925.961	4623855.950	6.023797	179.417	2.535999	19.670946	28.413	216.183149	111.406
CIRC.	436.963	6.623677	0.000	479927.959	4623875.850	6.058421	199.417	2.570623	14.179911	48.157	210.692114	111.286
RECTA	437.615	6.640280	0.000	479928.027	4623876.498	6.060290	200.069	2.572492	14.079311	48.805	210.591513	111.282
RECTA	456.963	6.640280	0.000	479930.041	4623895.741	6.111432	219.416	2.623635	11.968924	68.058	208.481127	111.255

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
RECTA	476.963	6.640280	0.000	479932.124	4623915.632	6.155610	239.416	2.667813	10.759267	88.004	207.271470	111.420
RECTA	496.963	6.640280	0.000	479934.206	4623935.524	6.192976	259.415	2.705179	9.996794	107.970	206.508997	111.738
RECTA	516.963	6.640280	0.000	479936.288	4623955.415	6.224993	279.415	2.737196	9.472357	127.947	205.984560	112.135
RECTA	536.963	6.640280	0.000	479938.371	4623975.306	6.252733	299.414	2.764935	9.089586	147.930	205.601788	112.607
RECTA	556.963	6.640280	0.000	479940.453	4623995.198	6.276999	319.414	2.789201	8.797928	167.916	205.310130	113.058
RECTA	576.963	6.640280	0.000	479942.535	4624015.089	6.298405	339.414	2.810608	8.568319	187.906	205.080522	113.730
RECTA	596.963	6.640280	0.000	479944.617	4624034.980	6.317429	359.413	2.829632	8.382868	207.898	204.895071	114.430
RECTA	616.963	6.640280	0.000	479946.700	4624054.871	6.334447	379.413	2.846650	8.229955	227.891	204.742158	115.199
RECTA	636.963	6.640280	0.000	479948.782	4624074.763	6.349761	399.413	2.861964	8.101710	247.885	204.613912	115.902
RECTA	656.963	6.640280	0.000	479950.864	4624094.654	6.363615	419.413	2.875818	7.992609	267.880	204.504811	116.479
RECTA	676.963	6.640280	0.000	479952.947	4624114.545	6.376207	439.412	2.888410	7.898664	287.876	204.410866	116.794
CIRC.	678.963	6.640280	0.000	479953.155	4624116.535	6.377404	441.413	2.889607	7.889981	289.876	204.402184	116.821
CIRC.	696.963	5.876345	0.000	479954.922	4624134.447	6.372738	459.412	2.884941	7.794596	307.870	204.306798	116.660
CIRC.	716.963	5.027519	0.000	479956.632	4624154.374	6.334326	479.410	2.846528	7.651721	327.857	204.163924	116.133
CIRC.	736.963	4.178692	0.000	479958.077	4624174.322	6.265003	499.403	2.777206	7.476499	347.836	203.988702	115.320
CIRC.	756.963	3.329866	0.000	479959.256	4624194.287	6.168349	519.388	2.680551	7.274212	367.803	203.786415	114.358
CIRC.	776.963	2.481040	0.000	479960.168	4624214.266	6.047412	539.362	2.559614	7.049056	387.758	203.561259	113.375
RECTA	784.336	2.168128	0.000	479960.438	4624221.634	5.997236	546.723	2.509439	6.960978	395.111	203.473181	113.018
RECTA	796.963	2.168128	0.000	479960.867	4624234.253	5.910844	559.328	2.423046	6.812677	407.704	203.324879	112.407
RECTA	816.963	2.168128	0.000	479961.548	4624254.242	5.781702	579.294	2.293904	6.595658	427.653	203.107860	111.519
RECTA	836.963	2.168128	0.000	479962.229	4624274.230	5.661166	599.263	2.173368	6.397986	447.607	202.910188	110.929

TIPO	PK Estac.	Azimet	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
RECTA	856.963	2.168128	0.000	479962.911	4624294.219	5.548404	619.234	2.060607	6.217187	467.565	202.729390	110.636
RECTA	876.963	2.168128	0.000	479963.592	4624314.207	5.442689	639.207	1.954892	6.051192	487.526	202.563395	110.458
RECTA	896.963	2.168128	0.000	479964.273	4624334.195	5.343380	659.181	1.855583	5.898257	507.490	202.410460	110.415
RECTA	916.963	2.168128	0.000	479964.954	4624354.184	5.249913	679.157	1.762116	5.756899	527.457	202.269102	110.372
RECTA	936.963	2.168128	0.000	479965.635	4624374.172	5.161788	699.134	1.673990	5.625855	547.426	202.138057	110.139
RECTA	956.963	2.168128	0.000	479966.316	4624394.161	5.078559	719.113	1.590761	5.504034	567.398	202.016237	109.528
RECTA	976.963	2.168128	0.000	479966.997	4624414.149	4.999829	739.092	1.512032	5.390499	587.371	201.902701	108.945
CLOT.	994.752	2.168128	0.000	479967.602	4624431.928	4.933295	756.864	1.445498	5.295811	605.139	201.808013	108.544
CLOT.	996.963	2.163582	0.000	479967.677	4624434.138	4.925240	759.073	1.437443	5.284425	607.347	201.796628	108.465
CLOT.	1016.963	1.709319	0.000	479968.305	4624454.128	4.850129	779.052	1.362332	5.179710	627.321	201.691913	107.889
CLOT.	1036.963	0.511014	0.000	479968.673	4624474.124	4.758120	799.020	1.270323	5.055967	647.282	201.568169	107.310
CLOT.	1056.963	398.568670	0.000	479968.548	4624494.123	4.632339	818.955	1.144542	4.892683	667.210	201.404885	106.627
CIRC.	1070.808	396.788298	0.000	479968.050	4624507.958	4.517449	832.719	1.029651	4.746929	680.968	201.259131	106.063
CIRC.	1076.963	395.917520	0.000	479967.698	4624514.103	4.457703	838.824	0.969906	4.671948	687.071	201.184151	105.804
CIRC.	1096.963	393.088099	0.000	479965.973	4624534.027	4.226774	858.584	0.738977	4.385450	706.821	200.897653	104.948
CIRC.	1105.240	391.917153	0.000	479965.000	4624542.247	4.115446	866.722	0.627648	4.248684	714.956	200.760887	104.555

C.R.S. : WGS 84 (HUSO 31)
 EJE : 8 : Enlace Paso Superior

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR :	BR30	X: 479917.321	Y: 4623828.882	Z: 111.011	PK: 8.050	Dis= 132.175					
						Distancia: 151.775	Azimet: 203.487797				
BO :	BR29	X: 479909.010	Y: 4623677.335	Z: 104.713	PK: 15.397	Dis= 283.772					

TIPO	PK Estac.	Azimet	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
RECTA	0.000	106.570521	0.000	479922.931	4623961.183	2.697862	132.420	199.210065	3.119729	284.189	399.631932	119.230

C.R.S. : WGS 84 (HUSO 31)
 EJE : 8 : Enlace Paso Superior

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR :	BR29	X: 479909.010	Y: 4623677.335	Z: 104.713	PK: 15.397	Dis= 283.772					
						Distancia: 236.151	Azimet: 190.492392				
BO :	BR28	X: 479944.147	Y: 4623443.813	Z: 94.222	PK: 39.961	Dis= 513.587					

TIPO	PK Estac.	Azimet	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
RECTA	0.000	106.570521	0.000	479922.931	4623961.183	3.119729	284.189	212.627337	397.390850	517.805	6.898457	119.230
RECTA	20.000	106.570521	0.000	479942.825	4623959.122	7.603098	283.809	217.110706	399.836626	515.311	9.344234	119.630
RECTA	39.961	106.570521	0.000	479962.679	4623957.066	12.067502	284.833	221.575109	2.297642	513.587	11.805249	120.030

C.R.S. : WGS 84 (HUSO 31)
EJE : 9 : Glorieta Oeste

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR :	BR29	X: 479909.010	Y: 4623677.335	Z: 104.713	PK: 120.558	Dis= 265.343						
BO :	BR28	X: 479944.147	Y: 4623443.813	Z: 94.222	PK: 121.000	Dis= 501.392	Distancia: 236.151	Azimet: 190.492392				
TIPO	PK Estac.	Azimet	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
CIRC.	0.000	0.000000	0.000	479902.156	4623965.925	398.488315	288.671	207.995923	394.890965	523.798	4.398572	119.280
CIRC.	20.000	349.070418	0.000	479894.574	4623983.859	397.003931	306.864	206.511539	394.172502	542.316	3.680109	119.280
CIRC.	40.000	298.140836	0.000	479876.426	4623990.914	393.408548	315.268	202.916155	392.159709	551.277	1.667317	119.280
CIRC.	60.000	247.211255	0.000	479858.721	4623982.812	389.612863	309.588	199.120470	389.993449	545.726	399.501057	119.280
CIRC.	80.000	196.281673	0.000	479852.199	4623964.466	387.564523	292.697	197.072131	388.871901	528.709	398.379509	119.280
CIRC.	100.000	145.352091	0.000	479860.815	4623947.005	388.741272	273.943	198.248880	389.551959	510.045	399.059567	119.280
CIRC.	120.000	94.422509	0.000	479879.343	4623941.021	392.867570	265.349	202.375178	391.749134	501.413	1.256742	119.280

PROYECTO :
C.R.S. : WGS 84 (HUSO 31)
EJE : 9 : Glorieta Oeste

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR28 X: 479944.147 Y: 4623443.813 Z: 94.222 PK: 121.000 Dis= 501.392
Distancia: 386.002 Azimut: 395.572115
BO : BR30 X: 479917.321 Y: 4623828.882 Z: 111.011 PK: 124.937 Dis= 117.808

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
CIRC.	120.000	94.422509	0.000	479879.343	4623941.021	391.749134	501.413	396.177020	379.211727	118.395	183.639612	119.280
CIRC.	140.000	43.492927	0.000	479896.545	4623950.143	394.032459	508.563	398.460345	389.197600	123.028	193.625485	119.280
CIRC.	157.080	0.000000	0.000	479902.156	4623965.925	394.890965	523.798	399.318850	392.983794	137.880	197.411680	119.280

C.R.S. : WGS 84 (HUSO 31)
EJE : 10 : Glorieta Este

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR30 X: 479917.321 Y: 4623828.882 Z: 111.011 PK: 101.911 Dis= 128.438
Distancia: 151.775 Azimut: 203.487797
BO : BR29 X: 479909.010 Y: 4623677.335 Z: 104.713 PK: 109.135 Dis= 267.418

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
CIRC.	0.000	0.000000	0.000	480033.453	4623952.325	48.057859	169.484	244.570062	27.053873	301.837	23.566076	120.280
CIRC.	20.000	349.070418	0.000	480025.871	4623970.259	41.685752	178.243	238.197955	24.165894	315.374	20.678097	120.280
CIRC.	40.000	298.140836	0.000	480007.723	4623977.314	34.825896	173.795	231.338098	20.238466	315.804	16.750669	120.280

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
CIRC.	60.000	247.211255	0.000	479990.018	4623969.212	30.429142	158.042	226.941345	17.235106	302.910	13.747309	120.280
CIRC.	80.000	196.281673	0.000	479983.496	4623950.866	31.643653	138.777	228.155856	16.925512	283.491	13.437715	120.280
CIRC.	100.000	145.352091	0.000	479992.112	4623933.405	39.539379	128.525	236.051582	19.977453	269.217	16.489655	120.280

PROYECTO
C.R.S. WGS 84 (HUSO 31)
EJE : 10 : Glorieta Este

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR29 X: 479909.010 Y: 4623677.335 Z: 104.713 PK: 109.135 Dis= 267.418

Distancia: 236.151 Azimut: 190.492392

BO : BR28 X: 479944.147 Y: 4623443.813 Z: 94.222 PK: 114.665 Dis= 487.562

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
CIRC.	100.000	145.352091	0.000	479992.112	4623933.405	19.977453	269.217	229.485060	6.217071	491.936	15.724678	120.280
CIRC.	120.000	94.422509	0.000	480010.640	4623927.421	24.573282	269.948	234.080890	8.698637	488.158	18.206245	120.280
CIRC.	140.000	43.492927	0.000	480027.842	4623936.543	27.365266	285.149	236.872873	10.711384	499.788	20.218992	120.280
CIRC.	157.080	0.000000	0.000	480033.453	4623952.325	27.053873	301.837	236.561481	11.067592	516.295	20.575199	120.280

PROYECTO :
C.R.S. : WGS 84 (HUSO 31)
EJE : 11 : Ramal Salida Este

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR :	BR28	X: 479944.147	Y: 4623443.813	Z: 94.222	PK: 0.000	Dis= 211.284						
BO :	BR29	X: 479909.010	Y: 4623677.335	Z: 104.713	PK: 23.768	Distancia: 236.151	Azimet: 390.492392	Dis= -10.051				
TIPO	PK Estac.	Azimet	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
CIRC.	0.000	396.789128	0.000	479919.789	4623653.688	392.644252	211.284	2.151860	172.772544	25.987	382.280152	103.019
CIRC.	0.000	396.789128	0.000	479919.789	4623653.688	392.644252	211.284	2.151860	172.772543	25.987	382.280151	103.019
CIRC.	20.000	398.911194	0.000	479919.113	4623673.676	393.094028	231.222	2.601636	122.119239	10.746	331.626847	104.080

PROYECTO : WGS 84 (HUSO 31)
C.R.S. :
EJE : 11 : Ramal Salida Este

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR :	BR29	X: 479909.010	Y: 4623677.335	Z: 104.713	PK: 23.768	Dis= -10.051						
BO :	BR30	X: 479917.321	Y: 4623828.882	Z: 111.011	PK: 173.826	Distancia: 151.775	Azimet: 3.487797	Dis= -15.529				
TIPO	PK Estac.	Azimet	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
CIRC.	20.000	398.911194	0.000	479919.113	4623673.676	122.119239	10.746	118.631442	199.264805	155.216	395.777008	104.080
CIRC.	40.000	1.033260	0.000	479919.105	4623693.675	35.230165	19.207	31.742368	199.160178	135.219	395.672381	105.070
CIRC.	60.000	3.155326	0.000	479919.763	4623713.663	18.319715	37.886	14.831918	198.651178	115.244	395.163381	106.00

TIPO	PK Estac.	Azimet	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
CLOT.	70.436	4.262655	0.000	479920.370	4623724.082	15.176613	48.108	11.688816	198.148248	104.844	394.660451	106.508
CLOT.	80.000	5.222356	0.000	479921.083	4623733.619	13.452161	57.564	9.964363	197.487013	95.337	393.999216	106.974
CLOT.	100.000	6.873548	0.000	479922.993	4623753.527	11.554887	77.464	8.067089	195.217147	75.568	391.729349	107.957
CLOT.	120.000	8.043364	0.000	479925.343	4623773.388	10.722792	97.432	7.234994	190.860241	56.071	387.372444	108.948
CLOT.	140.000	8.731804	0.000	479927.983	4623793.213	10.331959	117.421	6.844162	181.508362	37.228	378.020565	109.850
RECTA	158.603	8.940042	0.000	479930.567	4623811.636	10.132115	136.020	6.644317	158.304561	21.746	354.816764	110.562
RECTA	160.000	8.940042	0.000	479930.762	4623813.019	10.119997	137.417	6.632199	155.248770	20.792	351.760973	110.614
RECTA	180.000	8.940042	0.000	479933.562	4623832.822	9.970087	157.414	6.482290	84.848167	16.712	281.360370	111.485
RECTA	200.000	8.940042	0.000	479936.361	4623852.625	9.853973	177.411	6.366175	43.029938	30.435	239.542141	112.598
CLOT.	218.883	8.940042	0.000	479939.004	4623871.322	9.766059	196.292	6.278262	30.070241	47.658	226.582444	113.872
CLOT.	220.000	8.959671	0.000	479939.161	4623872.428	9.761420	197.409	6.273623	29.594526	48.716	226.106728	113.954
CLOT.	240.000	15.949909	0.000	479942.723	4623892.098	9.912683	217.393	6.424886	24.324348	68.129	220.836551	115.553
CIRC.	259.383	34.723142	0.000	479949.931	4623910.014	11.082885	236.250	7.595088	24.330206	87.440	220.842408	117.333
CIRC.	260.000	35.509358	0.000	479950.255	4623910.540	11.144071	236.824	7.656274	24.405487	88.049	220.917689	117.394
CIRC.	280.000	60.974149	0.000	479963.910	4623924.971	13.888912	253.648	10.401115	28.740502	106.787	225.252704	119.164
CIRC.	300.000	86.438940	0.000	479982.106	4623932.945	17.731995	265.856	14.244198	35.449611	122.581	231.961813	120.113
CIRC.	320.000	111.903731	0.000	480001.971	4623933.203	22.185485	272.232	18.697688	43.396895	134.345	239.909098	120.376
CIRC.	322.009	114.461924	0.000	480003.937	4623932.790	22.650127	272.523	19.162330	44.237909	135.275	240.750112	120.379



PROYECTO : 2019
 C.R.S. : WGS 84 (HUSO 31)
 EJE : 12 : Ramal Entrada Oeste

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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TIPO	PK	Estac.	Azimet	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
BR :	BR30				X: 479917.321	Y: 4623828.882	Z: 111.011	PK: 132.403			Dis= -23.496		
BO :	BR29				X: 479909.010	Y: 4623677.335	Z: 104.713	PK: 281.785	Distancia: 151.775	Azimet: 203.487797	Dis= 1.734		
CIRC.	0.000	152.387618		0.000	479862.494	4623952.323	373.390191	135.069	169.902393	389.332048	278.895	385.844251	119.380
CIRC.	20.000	169.364145		0.000	479873.991	4623936.031	375.535820	115.578	172.048022	391.434402	261.055	387.946605	119.188
CLOT.	22.583	171.556790		0.000	479875.147	4623933.721	375.651709	113.004	172.163911	391.640121	258.613	388.152323	119.150
CLOT.	40.000	183.658498		0.000	479881.024	4623917.353	375.214765	95.628	171.726967	392.610446	241.645	389.122649	118.649
CLOT.	60.000	190.938298		0.000	479884.804	4623897.725	371.907963	76.136	168.420165	393.035816	221.716	389.548018	117.548
RECTA	70.583	191.928622		0.000	479886.197	4623887.234	368.805770	66.134	165.317972	393.107853	211.135	389.620056	116.808
RECTA	80.000	191.928622		0.000	479887.387	4623877.893	365.094943	57.429	161.607146	393.162900	201.720	389.675103	116.149
RECTA	100.000	191.928622		0.000	479889.916	4623858.053	351.987540	40.025	148.499743	393.298732	181.724	389.810935	114.749
RECTA	120.000	191.928622		0.000	479892.445	4623838.214	322.848196	26.569	119.360399	393.468152	161.730	389.980354	113.349
RECTA	140.000	191.928622		0.000	479894.974	4623818.375	272.018970	24.694	68.531172	393.685370	141.736	390.197572	111.985
RECTA	160.000	191.928622		0.000	479897.503	4623798.535	236.829196	36.245	33.341399	393.973928	121.745	390.486131	110.739
CIRC.	177.414	191.928622		0.000	479899.705	4623781.260	222.555707	50.775	19.067910	394.315231	104.341	390.827433	109.751
CIRC.	180.000	191.994463		0.000	479900.031	4623778.695	221.122059	53.081	17.634262	394.375022	101.757	390.887225	109.612
CIRC.	200.000	192.503759		0.000	479902.460	4623758.844	213.310846	71.598	9.823049	394.894895	81.771	391.407098	108.605
TIPO	PK	Estac.	Azimet	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA



CIRC.	220.000	193.013055	0.000	479904.730	4623738.973	208.857827	90.787	5.370029	395.586351	61.786	392.098554	107.681
CIRC.	240.000	193.522351	0.000	479906.841	4623719.085	206.058152	110.296	2.570355	396.695402	41.806	393.207605	106.761
CIRC.	260.000	194.031647	0.000	479908.793	4623699.180	204.179913	129.982	0.692116	399.367013	21.846	395.879215	105.840
CIRC.	280.000	194.540943	0.000	479910.585	4623679.261	202.863984	149.773	399.376187	43.651265	2.488	40.163467	104.909

EJE : 12 : Ramal Entrada Oeste

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR29 X: 479909.010 Y: 4623677.335 Z: 104.713 PK: 281.785 Dis= 1.734
 BO : BR28 X: 479944.147 Y: 4623443.813 Z: 94.222 PK: 315.580 Distancia: 236.151 Azimut: 190.492392
 Dis=-202.331

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	280.000	194.540943	0.000	479910.585	4623679.261	43.651265	2.488	253.158873	390.986102	237.828	0.493710	104.909
CIRC.	300.000	195.050238	0.000	479912.219	4623659.328	188.774488	18.291	398.282096	390.636602	217.867	0.144210	103.878
CIRC.	315.580	195.446984	0.000	479913.380	4623643.791	191.752244	33.828	1.259852	390.281771	202.331	399.789379	103.129

C.R.S. : WGS 84 (HUSO 31)
EJE : 13 : Ramal Entrada Este

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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TIPO	PK Estac.	Azimet	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
BR :	BR29			X: 479909.010	Y: 4623677.335	Z: 104.713	PK: 0.000		Dis=-311.517			
BO :	BR30			X: 479917.321	Y: 4623828.882	Z: 111.011	PK: 0.000		Distancia: 151.775	Azimet: 3.487797		
									Dis=-173.434			
CIRC.	0.000	341.911106	0.000	480020.689	4623968.145	23.342393	311.517	19.854596	40.649599	173.434	237.161801	120.380
CIRC.	0.000	341.911105	0.000	480020.689	4623968.145	23.342393	311.517	19.854596	40.649599	173.434	237.161801	120.380
CLOT.	18.709	365.732509	0.000	480008.349	4623982.063	20.061829	320.511	16.574031	34.134520	178.187	230.646723	120.189
CLOT.	20.000	367.349709	0.000	480007.702	4623983.180	19.871334	321.374	16.383537	33.733294	178.820	230.245497	120.169
CLOT.	40.000	385.715348	0.000	480000.828	4624001.887	17.551738	337.290	14.063941	28.628807	192.104	225.141009	119.769
RECTA	59.209	391.515610	0.000	479997.700	4624020.832	16.085944	354.762	12.598147	25.245933	208.100	221.758136	119.199
RECTA	60.000	391.515610	0.000	479997.595	4624021.616	16.032640	355.495	12.544843	25.124082	208.783	221.636284	119.171
RECTA	80.000	391.515610	0.000	479994.937	4624041.439	14.754013	374.106	11.266215	22.288749	226.284	218.800952	118.471
RECTA	100.000	391.515610	0.000	479992.279	4624061.261	13.596988	392.853	10.109191	19.864552	244.170	216.376754	117.771
RECTA	120.000	391.515610	0.000	479989.622	4624081.084	12.545673	411.718	9.057876	17.773829	262.361	214.286031	117.071
RECTA	140.000	391.515610	0.000	479986.964	4624100.907	11.586716	430.685	8.098918	15.955907	280.798	212.468109	116.371

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
RECTA	160.000	391.515610	0.000	479984.307	4624120.729	10.708841	449.742	7.221043	14.363123	299.436	210.875326	115.671
RECTA	180.000	391.515610	0.000	479981.649	4624140.552	9.902477	468.878	6.414680	12.957765	318.239	209.469968	114.976
RECTA	200.000	391.515610	0.000	479978.992	4624160.375	9.159459	488.083	5.671662	11.709746	337.180	208.221948	114.317
RECTA	220.000	391.515610	0.000	479976.334	4624180.197	8.472785	507.349	4.984988	10.594860	356.237	207.107063	113.701
RECTA	240.000	391.515610	0.000	479973.676	4624200.020	7.836423	526.670	4.348625	9.593470	375.392	206.105673	113.126
CLOT.	240.707	391.515610	0.000	479973.582	4624200.721	7.814775	527.354	4.326978	9.559931	376.071	206.072133	113.105
CLOT.	260.000	391.978418	0.000	479971.065	4624219.849	7.250440	546.051	3.762643	8.696786	394.643	205.208989	112.557
CLOT.	280.000	393.435323	0.000	479968.753	4624239.714	6.737731	565.544	3.249934	7.928615	414.039	204.440818	111.988
CLOT.	300.000	395.886947	0.000	479967.052	4624259.640	6.324703	585.191	2.836906	7.317383	433.620	203.829585	111.418
CIRC.	313.850	398.167637	0.000	479966.397	4624273.474	6.109556	598.895	2.621759	6.998945	447.293	203.511148	111.029
CIRC.	320.000	399.286261	0.000	479966.274	4624279.623	6.034680	605.004	2.546883	6.887058	453.391	203.399261	110.894
RECTA	335.844	2.168128	0.000	479966.455	4624295.464	5.899390	620.793	2.411593	6.679377	469.162	203.191580	110.681
RECTA	335.844	2.168128	0.000	479966.455	4624295.464	5.899390	620.793	2.411593	6.679377	469.162	203.191580	110.681

C.R.S. : WGS 84 (HUSO 31)
EJE : 14 : Ramal Salida Oeste

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

TIPO	PK Estac.	Azimet	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
BR :	BR30			X: 479917.321	Y: 4623828.882	Z: 111.011	PK: 359.981					Dis=-162.994
BO :	BR29			X: 479909.010	Y: 4623677.335	Z: 104.713	PK: 363.010			Distancia: 151.775	Azimet: 203.487797	Dis=-310.573
RECTA	0.000	202.168128	0.000	479960.317	4624320.880	5.549340	493.873	202.061542	5.064760	645.587	1.576962	110.359
CIRC.	0.000	202.168128	0.000	479960.317	4624320.880	5.549340	493.873	202.061542	5.064760	645.587	1.576962	110.359
CIRC.	20.000	203.759677	0.000	479959.386	4624300.902	5.658422	473.891	202.170625	5.131909	625.598	1.644112	110.494
CLOT.	34.407	204.906153	0.000	479958.406	4624286.528	5.699979	459.487	202.212182	5.150742	611.193	1.662945	110.649
CLOT.	40.000	205.338526	0.000	479957.957	4624280.954	5.707071	453.894	202.219274	5.150985	605.600	1.663187	110.714
CLOT.	60.000	206.676841	0.000	479956.064	4624261.044	5.691967	433.895	202.204170	5.120803	585.602	1.633006	111.203
CLOT.	80.000	207.690350	0.000	479953.803	4624241.172	5.618591	413.901	202.130793	5.046920	565.614	1.559123	111.953
CLOT.	100.000	208.379054	0.000	479951.277	4624221.332	5.494576	393.917	202.006779	4.936454	545.637	1.448657	112.946
CLOT.	120.000	208.742951	0.000	479948.587	4624201.514	5.329188	373.941	201.841390	4.797599	525.671	1.309802	114.131
RECTA	132.407	208.805449	0.000	479946.881	4624189.225	5.210670	361.553	201.722872	4.701289	513.289	1.213492	114.875
RECTA	140.000	208.805449	0.000	479945.834	4624181.704	5.133600	353.973	201.645803	4.639710	505.712	1.151913	115.324
RECTA	160.000	208.805449	0.000	479943.076	4624161.895	4.913856	334.008	201.426058	4.468317	485.757	0.980520	116.303
RECTA	180.000	208.805449	0.000	479940.319	4624142.086	4.666175	314.048	201.178377	4.282240	465.805	0.794442	116.975
RECTA	200.000	208.805449	0.000	479937.561	4624122.278	4.384878	294.093	200.897080	4.079511	445.858	0.591714	117.342
RECTA	220.000	208.805449	0.000	479934.804	4624102.469	4.062636	274.145	200.574839	3.857795	425.915	0.369998	117.600
RECTA	240.000	208.805449	0.000	479932.046	4624082.660	3.689829	254.204	200.202032	3.614300	405.979	0.126503	117.858

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	258.680	208.805449	0.000	479929.471	4624064.158	3.284653	235.590	199.796856	3.364248	387.364	399.876450	118.099
CLOT.	260.000	208.823796	0.000	479929.289	4624062.851	3.253541	234.274	199.765744	3.345639	386.049	399.857841	118.116
CLOT.	280.000	213.588628	0.000	479926.004	4624043.127	2.578814	214.421	199.091016	2.955553	366.187	399.467756	118.374
CLOT.	300.000	226.771574	0.000	479919.991	4624024.090	0.870697	195.226	197.382900	2.015367	346.929	398.527570	118.632
CIRC.	303.829	230.255380	0.000	479918.334	4624020.639	0.336466	191.759	196.848669	1.728699	343.430	398.240902	118.681
CIRC.	320.000	245.620888	0.000	479909.280	4624007.288	397.132584	178.587	193.644786	0.052085	329.953	396.564287	118.890
CIRC.	340.000	264.624464	0.000	479894.103	4623994.376	391.126572	167.115	187.638775	397.008935	317.391	393.521138	119.148
CIRC.	360.000	283.628039	0.000	479875.801	4623986.499	383.602300	162.994	180.114503	393.187760	310.942	389.699963	119.367
CIRC.	363.010	286.488100	0.000	479872.873	4623985.799	382.427683	163.090	178.939886	392.575825	310.573	389.088028	119.376

C.R.S. : WGS 84 (HUSO 31)
EJE : 15 : Vía de Servicio Este

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR :	BR30	X: 479917.321	Y: 4623828.882	Z: 111.011	PK: 119.873	Dis= 75.530						
BO :	BR29	X: 479909.010	Y: 4623677.335	Z: 104.713	PK: 270.298	Dis= 55.340	Distancia: 151.775	Azimut: 203.487797				
TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	161.619524	0.000	480025.091	4623920.530	55.135754	141.470	251.647956	28.351066	269.478	24.863269	120.007
CIRC.	20.000	193.450513	0.000	480031.931	4623901.957	63.865175	135.924	260.377378	31.876766	256.056	28.388968	119.208

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
CIRC.	40.000	225.281502	0.000	480029.030	4623882.378	71.567429	123.858	268.079631	33.713458	237.587	30.225660	118.482
CLOT.	60.000	252.642297	0.000	480017.247	4623866.428	77.118954	106.747	273.631157	33.096590	217.879	29.608793	117.876
CLOT.	66.256	254.635764	0.000	480012.556	4623862.288	78.522526	100.924	275.034728	32.491458	211.966	29.003661	117.710
CIRC.	76.256	246.678017	0.000	480005.273	4623855.446	81.327100	91.876	277.839303	31.544292	202.460	28.056495	117.460
CIRC.	80.000	240.719776	0.000	480002.902	4623852.551	82.822384	88.793	279.334587	31.316860	198.787	27.829063	117.367
CLOT.	93.057	219.939315	0.000	479996.940	4623841.000	90.384745	80.536	286.896948	31.385935	185.790	27.898138	117.040
CLOT.	100.000	212.725117	0.000	479995.247	4623834.270	95.605263	78.112	292.117466	31.987967	179.068	28.500170	116.867
RECTA	103.057	211.981568	0.000	479994.664	4623831.269	98.035446	77.379	294.547649	32.325341	176.160	28.837544	116.790
RECTA	120.000	211.981568	0.000	479991.493	4623814.625	112.088934	75.530	308.601137	34.441407	160.163	30.953610	116.367
RECTA	140.000	211.981568	0.000	479987.752	4623794.979	128.561036	78.166	325.073239	37.550337	141.564	34.062539	115.867
RECTA	160.000	211.981568	0.000	479984.010	4623775.332	143.071206	85.528	339.583408	41.586470	123.403	38.098673	115.367
RECTA	180.000	211.981568	0.000	479980.268	4623755.685	154.784141	96.541	351.296343	46.984316	105.907	43.496519	114.867
RECTA	200.000	211.981568	0.000	479976.526	4623736.038	163.861262	110.114	360.373465	54.437695	89.467	50.949898	114.210
RECTA	220.000	211.981568	0.000	479972.784	4623716.391	170.838560	125.420	367.350763	65.017682	74.783	61.529884	113.094
RECTA	240.000	211.981568	0.000	479969.042	4623696.744	176.248653	141.899	372.760855	80.092211	63.092	76.604413	111.562
RECTA	260.000	211.981568	0.000	479965.300	4623677.098	180.509216	159.187	377.021418	100.268468	56.290	96.780671	109.962

C.R.S. : WGS 84 (HUSO 31)
EJE : 15 : Vía de Servicio Este

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
BR	BR29			X: 479909.010	Y: 4623677.335	Z: 104.713	PK: 270.298	Dis= 55.340				
								Distancia: 236.151	Azimut: 190.492392			
BO	BR28			X: 479944.147	Y: 4623443.813	Z: 94.222	PK: 280.000	Dis=-214.346				
RECTA	260.000	211.981568	0.000	479965.300	4623677.098	100.268468	56.290	309.776076	5.756765	234.242	15.264373	109.962
RECTA	280.000	211.981568	0.000	479961.558	4623657.451	123.029656	56.184	332.537264	5.176864	214.346	14.684472	108.362

C.R.S. : WGS 84 (HUSO 31)
EJE : 16 : Conexión N-II Sur

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
BR	BR30			X: 479917.321	Y: 4623828.882	Z: 111.011	PK: 220.138					Dis= -84.420
								Distancia: 151.775	Azimut: 203.487797			
BO	BR29			X: 479909.010	Y: 4623677.335	Z: 104.713	PK: 321.192					Dis= -24.325
RECTA	0.000	282.338021	0.000	479841.537	4623958.485	366.315122	150.134	162.827325	385.005428	289.134	381.517630	118.980
CIRC.	0.000	282.338021	0.000	479841.537	4623958.485	366.315122	150.134	162.827325	385.005428	289.134	381.517630	118.980
CIRC.	20.000	250.507033	0.000	479824.435	4623948.524	357.972473	151.466	154.484676	380.754323	284.071	377.266526	118.299
CLOT.	30.153	234.348728	0.000	479818.175	4623940.565	353.781218	149.342	150.293421	378.846164	278.462	375.358367	117.863
CLOT.	40.000	220.605241	0.000	479814.109	4623931.617	349.852555	145.627	146.364758	377.259780	271.414	373.771983	117.382
CLOT.	60.000	204.568342	0.000	479810.599	4623911.982	342.118414	135.260	138.630616	374.718788	254.448	371.230991	116.237

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
RECTA	80.000	202.517739	0.000	479809.700	4623892.003	333.769046	124.766	130.281248	372.415217	236.527	368.927419	115.037
RECTA	100.000	202.517739	0.000	479808.909	4623872.019	324.108286	116.679	120.620489	369.765590	218.911	366.277792	113.837
CLOT.	109.898	202.517739	0.000	479808.518	4623862.129	318.879321	113.770	115.391523	368.291419	210.351	364.803621	113.243
CLOT.	120.000	200.487472	0.000	479808.226	4623852.031	313.311152	111.524	109.823355	366.687573	201.684	363.199776	112.637
CIRC.	129.898	194.559992	0.000	479808.560	4623842.143	307.723790	109.567	104.235992	365.153016	193.007	361.665218	112.043
CIRC.	140.000	186.520998	0.000	479810.054	4623832.158	301.943933	107.317	98.456136	363.794747	183.746	360.306950	111.437
CIRC.	160.000	170.605504	0.000	479816.645	4623813.331	290.243320	101.870	86.755522	362.018525	164.396	358.530728	110.237
CIRC.	180.000	154.690009	0.000	479827.689	4623796.719	278.066904	95.228	74.579106	361.931632	144.449	358.443834	109.037
CLOT.	182.836	152.433074	0.000	479829.579	4623794.605	276.290295	94.200	72.802498	362.098742	141.638	358.610945	108.866
CLOT.	200.000	144.635352	0.000	479842.164	4623782.950	265.076409	88.081	61.588612	364.077311	124.991	360.589514	107.837
CLOT.	202.836	144.475327	0.000	479844.335	4623781.124	263.112950	87.223	59.625152	364.523592	122.291	361.035795	107.666
CLOT.	220.000	150.336165	0.000	479857.128	4623769.691	250.534514	84.420	47.046716	367.416047	105.931	363.928249	106.637
CIRC.	222.836	152.433074	0.000	479859.090	4623767.644	248.397755	84.504	44.909958	367.852728	103.187	364.364931	106.466
CIRC.	240.000	166.091634	0.000	479869.319	4623753.902	236.252347	89.029	32.764549	369.554113	86.243	366.066316	105.437
CIRC.	260.000	182.007128	0.000	479877.227	4623735.588	225.840016	101.544	22.352219	368.203841	66.360	364.716044	104.271
CLOT.	264.706	185.752277	0.000	479878.406	4623731.033	224.097592	105.303	20.609795	367.022324	61.807	363.534527	104.012
CLOT.	280.000	193.269380	0.000	479880.729	4623715.926	219.943951	118.735	16.456153	359.738614	47.844	356.250817	103.205
RECTA	284.706	193.710025	0.000	479881.204	4623711.244	218.963619	123.058	15.475821	356.275151	43.851	352.787354	102.969
RECTA	300.000	193.710025	0.000	479882.713	4623696.025	216.222816	137.291	12.735019	339.335199	32.262	335.847402	102.238
RECTA	320.000	193.710025	0.000	479884.686	4623676.122	213.399164	156.207	9.911366	296.828138	24.354	293.340341	101.372

PROYECTO : 20
C.R.S. : WGS 84 (HUSO 31)
EJE : 16 : Conexión N-II Sur

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
BR :	BR29			X: 479909.010	Y: 4623677.335	Z: 104.713	PK: 321.192					Dis= -24.325
BO :	BR28			X: 479944.147	Y: 4623443.813	Z: 94.222	PK: 554.362					Dis= -11.365
							Distancia:			236.151	Azimut: 190.492392	
RECTA	320.000	193.710025	0.000	479884.686	4623676.122	296.828138	24.354	106.335746	384.047718	239.798	393.555326	101.372
RECTA	340.000	193.710025	0.000	479886.659	4623656.220	251.809825	30.748	61.317433	383.172862	220.049	392.680470	100.605
RECTA	360.000	193.710025	0.000	479888.631	4623636.317	229.354679	45.801	38.862287	382.125732	200.349	391.633340	99.939
RECTA	380.000	193.710025	0.000	479890.604	4623616.415	218.678938	63.640	28.186546	380.850664	180.716	390.358272	99.372
RECTA	400.000	193.710025	0.000	479892.577	4623596.512	212.769700	82.476	22.277308	379.265601	161.172	388.773209	98.906
CLOT.	410.686	193.710025	0.000	479893.631	4623585.878	210.605799	92.741	20.113407	378.250616	150.779	387.758223	98.691
CLOT.	420.000	192.346396	0.000	479894.616	4623576.617	209.036919	101.742	18.544527	377.273703	141.740	386.781311	98.504
CIRC.	429.095	188.382938	0.000	479895.957	4623567.622	207.538978	110.486	17.046585	376.369427	132.857	385.877035	98.322
CIRC.	440.000	182.071783	0.000	479898.463	4623557.014	205.566037	120.782	15.073645	375.580985	122.072	385.088593	98.104
CLOT.	458.029	171.637401	0.000	479904.868	4623540.182	201.922199	137.215	11.429807	375.360597	104.067	384.868205	97.740
CLOT.	460.000	170.557924	0.000	479905.732	4623538.411	201.501819	138.962	11.009427	375.443011	102.101	384.950619	97.696
CLOT.	476.438	166.310314	0.000	479913.712	4623524.043	198.048001	153.364	7.555609	376.917552	85.809	386.425159	97.266
CLOT.	480.000	166.509708	0.000	479915.507	4623520.967	197.356599	156.503	6.864207	377.371642	82.298	386.879250	97.157
CIRC.	494.847	171.637401	0.000	479922.556	4623507.904	194.921091	169.971	4.428699	379.313652	67.630	388.821260	96.646
CIRC.	500.000	174.619386	0.000	479924.666	4623503.205	194.291356	174.833	3.798964	379.822683	62.505	389.330291	96.447
CIRC.	520.000	186.194291	0.000	479930.717	4623484.171	192.875896	194.380	2.383504	379.548384	42.534	389.055992	95.565
CLOT.	525.471	189.360590	0.000	479931.761	4623478.801	192.736476	199.834	2.244084	378.338814	37.115	387.846422	95.295
CLOT.	540.000	194.451029	0.000	479933.477	4623464.377	192.717667	214.359	2.225275	369.530492	23.168	379.038100	94.624
CIRC.	543.070	194.677364	0.000	479933.738	4623461.318	192.744085	217.427	2.251693	365.847885	20.366	375.355493	94.507
CIRC.	554.362	194.964909	0.000	479934.655	4623450.064	192.846613	228.713	2.354221	337.075139	11.365	346.582747	94.160

C.R.S. WGS 84 (HUSO 31)
EJE : 18 : Vía de Servicio Oeste

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
BR :	BR30			X: 479917.321	Y: 4623828.882	Z: 111.011	PK: 201.271					Dis= 176.275
BO :	BR29			X: 479909.010	Y: 4623677.335	Z: 104.713	PK: 201.271					Dis= 319.404
							Distancia:	151.775			Azimet: 203.487797	
RECTA	0.000	218.720738	0.000	479806.134	4624169.650	379.921519	358.448	176.433722	386.885686	502.948	383.397889	110.887
RECTA	20.000	218.720738	0.000	479800.337	4624150.508	377.791536	342.240	174.303739	385.628128	485.492	382.140331	111.340
CLOT.	20.852	218.720738	0.000	479800.091	4624149.693	377.696362	341.559	174.208565	385.572568	484.753	382.084770	111.358
CLOT.	40.000	216.645884	0.000	479794.740	4624131.308	375.484524	326.325	171.996727	384.301727	468.134	380.813930	111.703
CLOT.	60.000	210.048060	0.000	479790.464	4624111.780	373.163967	310.039	169.676170	383.041522	450.328	379.553725	111.942
CIRC.	71.988	203.923275	0.000	479789.126	4624099.871	371.869933	299.782	168.382135	382.400079	439.214	378.912281	112.062
CIRC.	80.000	199.286409	0.000	479788.924	4624091.864	371.085312	292.652	167.597514	382.049011	431.572	378.561213	112.160
CIRC.	100.000	187.711504	0.000	479790.960	4624071.995	369.484856	273.991	165.997059	381.496850	411.938	378.009053	112.779
CIRC.	120.000	176.136599	0.000	479796.555	4624052.823	368.514551	254.428	165.026754	381.475083	391.966	377.987285	113.959
CIRC.	140.000	164.561694	0.000	479805.525	4624034.978	368.358296	234.465	164.870499	382.068899	372.314	378.581102	115.541
CLOT.	147.625	160.148884	0.000	479809.774	4624028.649	368.559704	226.877	165.071907	382.474018	365.060	378.986221	116.151
CLOT.	160.000	153.853418	0.000	479817.531	4624019.012	369.230123	214.727	165.742326	383.345964	353.711	379.858167	117.069
CLOT.	180.000	147.343225	0.000	479831.617	4624004.827	371.143427	195.709	167.655630	385.226491	336.513	381.738694	118.230
RECTA	198.761	145.351421	0.000	479845.687	4623992.417	373.716516	178.537	170.228719	387.373801	321.383	383.886004	118.955
RECTA	200.000	145.351421	0.000	479846.624	4623991.608	373.908090	177.419	170.420292	387.524737	320.405	384.036939	118.992
RECTA	201.271	145.351421	0.000	479847.586	4623990.777	374.107131	176.275	170.619334	387.680529	319.404	384.192732	119.030

C.R.S. : WGS 84 (HUSO 31)
 EJE : 19 : Relleno Interior Glorieta Oeste

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
BR :	BR29			X: 479909.010	Y: 4623677.335	Z: 104.713	PK: 71.949					Dis= 275.423
BO :	BR28			X: 479944.147	Y: 4623443.813	Z: 94.222	PK: 72.213					Dis= 511.472
							Distancia:	236.151			Azimut: 190.492392	
CIRC.	0.000	0.000000	0.000	479892.076	4623965.925	396.268695	289.086	205.776303	393.671823	524.702	3.179430	119.750
CIRC.	20.000	314.662229	0.000	479880.562	4623980.451	394.042652	304.448	203.550260	392.491843	540.392	1.999451	119.750
CIRC.	40.000	229.324458	0.000	479863.791	4623972.557	390.324143	298.665	199.831751	390.398435	534.815	399.906042	119.750
CIRC.	60.000	143.986687	0.000	479867.648	4623954.427	390.566727	280.162	200.074335	390.532728	516.313	0.040336	119.750

C.R.S. : WGS 84 (HUSO 31)
EJE : 19 : Relleno Interior Glorieta Oeste

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

TIPO	PK	Estac.	Azimet	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
BR :	BR28				X: 479944.147	Y: 4623443.813	Z: 94.222	PK: 72.213			Dis= 511.472		
BO :	BR30				X: 479917.321	Y: 4623828.882	Z: 111.011	PK: 74.563	Distancia: 386.002	Azimet: 395.572115		Dis= 127.888	
CIRC.	60.000	143.986687		0.000	479867.648	4623954.427	390.532728	516.313	394.960613	376.014819	135.015	180.442704	119.750
CIRC.	80.000	58.648916		0.000	479886.180	4623954.043	392.798266	513.513	397.226151	384.475645	128.977	188.903530	119.750
CIRC.	93.745	0.000000		0.000	479892.076	4623965.925	393.671823	524.702	398.099708	388.402699	139.349	192.830584	119.750

C.R.S. : WGS 84 (HUSO 31)
EJE : 20 : Relleno Interior Glorieta Este

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

TIPO	PK	Estac.	Azimet	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
BR :	BR30				X: 479917.321	Y: 4623828.882	Z: 111.011	PK: 60.821			Dis= 138.518		
BO :	BR29				X: 479909.010	Y: 4623677.335	Z: 104.713	PK: 65.132	Distancia: 151.775	Azimet: 203.487797		Dis= 277.498	
CIRC.	0.000	0.000000		0.000	480023.373	4623952.325	45.184935	162.743	241.697137	25.090530	297.823	21.602733	120.600
CIRC.	20.000	314.662229		0.000	480011.859	4623966.851	38.243771	167.251	234.755974	21.730337	307.242	18.242539	120.600
CIRC.	40.000	229.324458		0.000	479995.088	4623958.957	34.304035	151.549	230.816238	18.884246	294.483	15.396449	120.600
CIRC.	60.000	143.986687		0.000	479998.945	4623940.827	40.108280	138.543	236.620482	20.939770	278.418	17.451972	120.600

C.R.S. : WGS 84 (HUSO 31)
EJE : 20 : Relleno Interior Glorieta Este

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

TIPO	PK Estac.	Azimet	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
BR :	BR29			X: 479909.010	Y: 4623677.335	Z: 104.713	PK: 65.132			Dis= 277.498		
BO :	BR28			X: 479944.147	Y: 4623443.813	Z: 94.222	PK: 68.432			Distancia: 236.151	Azimet: 190.492392	Dis= 497.642
CIRC.	60.000	143.986687	0.000	479998.945	4623940.827	20.939770	278.418	230.447377	6.990786	500.026	16.498393	120.600
CIRC.	80.000	58.648916	0.000	480017.477	4623940.443	24.893340	284.589	234.400948	9.332575	502.015	18.840182	120.600
CIRC.	93.745	0.000000	0.000	480023.373	4623952.325	25.090530	297.823	234.598138	9.839411	514.647	19.347019	120.600

C.R.S. : WGS 84 (HUSO 31)
EJE : 34 : Camino de Servic

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

TIPO	PK Estac.	Azimet	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
BR :	BR30			X: 479917.321	Y: 4623828.882	Z: 111.011	PK: 0.000			Dis= 171.334		
BO :	BR28			X: 479944.147	Y: 4623443.813	Z: 94.222	PK: 5.481			Distancia: 386.002	Azimet: 195.572115	Dis= 510.856
CIRC.	0.000	116.006947	0.000	480043.181	4623945.135	52.524771	171.334	256.952657	12.416284	511.010	16.844170	120.070
CIRC.	20.000	105.396617	0.000	480062.876	4623941.793	57.998257	184.215	262.426142	14.900234	511.938	19.328119	119.670
CIRC.	40.000	94.786288	0.000	480082.853	4623941.764	61.898449	200.358	266.326335	17.294865	516.909	21.722751	119.270
CIRC.	60.000	84.175958	0.000	480102.558	4623945.050	64.341023	218.650	268.768909	19.487360	525.673	23.915246	118.870
CIRC.	80.000	73.565629	0.000	480121.445	4623951.559	65.549344	238.151	269.977229	21.387182	537.811	25.815067	118.505



TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
CIRC.	82.406	72.288970	0.000	480123.637	4623952.552	65.622989	240.542	270.050874	21.592781	539.473	26.020666	118.491
CIRC.	100.000	94.689781	0.000	480140.554	4623957.040	66.822044	257.406	271.249930	23.268190	549.525	27.696076	118.683
CIRC.	120.000	120.154572	0.000	480160.286	4623954.729	69.574952	273.623	274.002837	25.478246	554.754	29.906132	118.900
CIRC.	140.000	145.619362	0.000	480177.561	4623944.917	73.298934	284.936	277.726819	27.751188	552.799	32.179073	118.974
CIRC.	144.753	151.670658	0.000	480180.991	4623941.630	74.275569	286.764	278.703454	28.270538	551.286	32.698423	119.080

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C.R.S. : WGS 84 (HUSO 31)
 EJE : 35 : Glorieta Camino de Servicio

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *

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BR : BR30 X: 479917.321 Y: 4623828.882 Z: 111.011 PK: 94.090 Dis= 251.691
 Distancia: 151.775 Azimut: 203.487797
 BO : BR29 X: 479909.010 Y: 4623677.335 Z: 104.713 PK: 100.367 Dis= 356.059

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
CIRC.	0.000	100.000000	0.000	480152.051	4623943.678	71.043189	261.297	267.555392	47.089847	360.566	43.602049	118.566
CIRC.	20.000	29.264470	0.000	480168.183	4623953.692	70.609492	280.195	267.121694	47.957918	378.871	44.470121	118.825
CIRC.	40.000	358.528939	0.000	480166.365	4623972.592	66.681278	287.533	263.193481	45.640521	391.674	42.152724	119.044
CIRC.	60.000	287.793409	0.000	480148.621	4623979.348	63.283432	275.934	259.795635	42.697542	385.519	39.209745	118.987
CIRC.	80.000	217.057879	0.000	480134.694	4623966.443	64.080980	257.243	260.593183	42.195883	366.765	38.708086	118.707
CIRC.	100.000	146.322349	0.000	480140.079	4623948.236	68.686161	252.719	265.198363	44.958935	356.063	41.471137	118.528

C.R.S. : WGS 84 (HUSO 31)
 EJE : 35 : Glorieta Camino de Servicio

 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR29	X: 479909.010	Y: 4623677.335	Z: 104.713	PK: 100.367	Dis= 356.059							
						Distancia: 236.151	Azimut: 190.492392					
BO : BR28	X: 479944.147	Y: 4623443.813	Z: 94.222	PK: 106.225	Dis= 540.040							
TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
CIRC.	100.000	146.322349	0.000	480140.079	4623948.236	44.958935	356.063	254.466543	23.586221	541.140	33.093829	118.528
CIRC.	113.097	100.000000	0.000	480152.051	4623943.678	47.089847	360.566	256.597454	25.092727	541.377	34.600335	118.566

C.R.S. : WGS 84 (HUSO 31)
 EJE : 36 : Camino de Servicio 2

 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR29	X: 479909.010	Y: 4623677.335	Z: 104.713	PK: 0.000	Dis=-371.815							
						Distancia: 151.775	Azimut: 3.487797					
BO : BR30	X: 479917.321	Y: 4623828.882	Z: 111.011	PK: 0.000	Dis=-263.883							
TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
CIRC.	0.000	2.727109	0.000	480142.222	4623966.918	43.161913	371.815	39.674116	64.955366	263.883	261.467569	118.963
CIRC.	20.000	377.262318	0.000	480139.112	4623986.540	40.728458	385.428	37.240660	60.659116	272.117	257.171318	118.819
RECTA	36.956	355.673857	0.000	480130.629	4624001.128	38.210703	392.373	34.722906	56.754745	274.170	253.266947	118.870
RECTA	40.000	355.673857	0.000	480128.677	4624003.463	37.736218	393.209	34.248420	56.047821	274.135	252.560023	118.900
RECTA	60.000	355.673857	0.000	480115.850	4624018.808	34.671578	399.232	31.183780	51.409562	274.746	247.921764	118.815

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
RECTA	80.000	355.673857	0.000	480103.022	4624034.153	31.704675	406.152	28.216878	46.816125	276.805	243.328328	118.085
RECTA	100.000	355.673857	0.000	480090.195	4624049.498	28.843151	413.924	25.355354	42.313528	280.280	238.825730	117.144
CIRC.	101.500	355.673857	0.000	480089.233	4624050.649	28.632931	414.540	25.145133	41.980642	280.596	238.492844	117.066
CIRC.	120.000	359.038823	0.000	480077.748	4624065.149	26.126548	422.933	22.638751	37.974220	285.586	234.486423	116.105
CIRC.	140.000	362.676650	0.000	480066.213	4624081.484	23.616329	433.647	20.128532	33.907232	293.218	230.419435	115.228
CIRC.	160.000	366.314478	0.000	480055.630	4624098.452	21.329507	445.911	17.841709	30.179049	302.980	226.691252	114.102
CIRC.	180.000	369.952305	0.000	480046.033	4624115.995	19.274515	459.563	15.786718	26.829463	314.644	223.341665	112.898
CIRC.	200.000	373.590132	0.000	480037.454	4624134.059	17.452741	474.441	13.964943	23.874468	327.971	220.386671	111.863
CIRC.	220.000	377.227960	0.000	480029.920	4624152.583	15.860034	490.387	12.372236	21.311271	342.725	217.823474	111.000
CIRC.	240.000	380.865787	0.000	480023.456	4624171.507	14.488187	507.251	11.000390	19.123857	358.687	215.636060	110.868
CIRC.	260.000	384.503614	0.000	480018.084	4624190.769	13.326249	524.892	9.838452	17.288022	375.653	213.800224	110.656
CIRC.	280.000	388.141441	0.000	480013.821	4624210.306	12.361608	543.179	8.873811	15.775342	393.442	212.287545	110.245
CIRC.	300.000	391.779269	0.000	480010.680	4624230.055	11.580838	561.993	8.093040	14.556024	411.893	211.068227	109.500
CIRC.	320.000	395.417096	0.000	480008.673	4624249.952	10.970323	581.225	7.482525	13.600769	430.865	210.112972	108.500
CIRC.	340.000	399.054923	0.000	480007.805	4624269.930	10.516698	600.774	7.028901	12.881887	450.234	209.394089	107.000
RECTA	345.714	0.094192	0.000	480007.766	4624275.644	10.414107	606.404	6.926310	12.716295	455.825	209.228498	106.570
RECTA	360.000	0.094192	0.000	480007.788	4624289.930	10.177544	620.507	6.689747	12.335005	469.840	208.847208	106.500
RECTA	380.000	0.094192	0.000	480007.817	4624309.930	9.863884	640.265	6.376086	11.837926	489.486	208.350129	106.000
RECTA	400.000	0.094192	0.000	480007.847	4624329.930	9.569008	660.037	6.081211	11.379236	509.160	207.891439	106.000
RECTA	420.000	0.094192	0.000	480007.876	4624349.930	9.291292	679.822	5.803494	10.954694	528.858	207.466897	105.500
RECTA	440.000	0.094192	0.000	480007.906	4624369.930	9.029287	699.620	5.541490	10.560659	548.578	207.072861	105.743
RECTA	460.000	0.094192	0.000	480007.936	4624389.930	8.781707	719.429	5.293910	10.193983	568.318	206.706185	105.761



TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
RECTA	480.000	0.094192	0.000	480007.965	4624409.930	8.547399	739.248	5.059602	9.851934	588.076	206.364137	105.676
RECTA	500.000	0.094192	0.000	480007.995	4624429.930	8.325329	759.076	4.837531	9.532130	607.849	206.044333	105.776
RECTA	520.000	0.094192	0.000	480008.024	4624449.930	8.114568	778.914	4.626770	9.232484	627.636	205.744686	105.684
RECTA	540.000	0.094192	0.000	480008.054	4624469.930	7.914277	798.759	4.426480	8.951160	647.437	205.463363	105.342
RECTA	560.000	0.094192	0.000	480008.083	4624489.930	7.723700	818.612	4.235903	8.686538	667.249	205.198741	104.932
RECTA	580.000	0.094192	0.000	480008.113	4624509.930	7.542149	838.472	4.054352	8.437181	687.073	204.949384	104.500
RECTA	600.000	0.094192	0.000	480008.143	4624529.930	7.369001	858.338	3.881203	8.201814	706.906	204.714016	104.030
RECTA	620.000	0.094192	0.000	480008.172	4624549.930	7.203687	878.211	3.715890	7.979295	726.749	204.491498	104.000
RECTA	628.455	0.094192	0.000	480008.185	4624558.385	7.136029	886.614	3.648232	7.888837	735.140	204.401040	104.000

C.R.S. : WGS 84 (HUSO 31)
EJE : 37 : Camino de Servicio 1 interior glorieta

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR30 X: 479917.321 Y: 4623828.882 Z: 111.011 PK: 0.000 Dis= 171.334
Distancia: 386.002 Azimut: 195.572115
BO : BR28 X: 479944.147 Y: 4623443.813 Z: 94.222 PK: 5.481 Dis= 510.856

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
CIRC.	0.000	116.006947	0.000	480043.181	4623945.135	52.524771	171.334	256.952657	12.416284	511.010	16.844170	120.070
CIRC.	20.000	105.396617	0.000	480062.876	4623941.793	57.998257	184.215	262.426142	14.900234	511.938	19.328119	119.670
CIRC.	40.000	94.786288	0.000	480082.853	4623941.764	61.898449	200.358	266.326335	17.294865	516.909	21.722751	119.270
CIRC.	60.000	84.175958	0.000	480102.558	4623945.050	64.341023	218.650	268.768909	19.487360	525.673	23.915246	118.870



TIPO	PK Estac.	Azimet	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
CIRC.	80.000	73.565629	0.000	480121.445	4623951.559	65.549344	238.151	269.977229	21.387182	537.811	25.815067	118.505
CIRC.	82.406	72.288970	0.000	480123.637	4623952.552	65.622989	240.542	270.050874	21.592781	539.473	26.020666	118.491
CIRC.	100.000	94.689781	0.000	480140.554	4623957.040	66.822044	257.406	271.249930	23.268190	549.525	27.696076	118.683
CIRC.	120.000	120.154572	0.000	480160.286	4623954.729	69.574952	273.623	274.002837	25.478246	554.754	29.906132	118.900
CIRC.	140.000	145.619362	0.000	480177.561	4623944.917	73.298934	284.936	277.726819	27.751188	552.799	32.179073	118.974
CIRC.	144.753	151.670658	0.000	480180.991	4623941.630	74.275569	286.764	278.703454	28.270538	551.286	32.698423	119.080

C.R.S. : WGS 84 (HUSO 31)
 EJE : 38 : e38

 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR29 X: 479909.010 Y: 4623677.335 Z: 104.713 PK: 0.000 Dis= 366.693
 Distancia: 151.775 Azimet: 3.487797
 BO : BR30 X: 479917.321 Y: 4623828.882 Z: 111.011 PK: 0.000 Dis= 268.583

TIPO	PK Estac.	Azimet	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
CIRC.	0.000	73.266876	0.000	480159.390	4623945.242	47.847961	366.693	44.360163	71.474385	268.583	267.986588	118.643
CIRC.	0.000	73.266876	0.000	480159.390	4623945.242	47.847961	366.693	44.360163	71.474385	268.583	267.986588	118.643
CIRC.	16.903	145.007147	0.000	480175.248	4623942.950	50.074603	376.077	46.586805	73.491856	282.025	270.004059	118.926
CIRC.	20.000	149.201519	0.000	480177.535	4623940.862	50.597914	376.234	47.110117	74.128713	283.286	270.640916	119.004
CIRC.	21.823	151.670658	0.000	480178.815	4623939.565	50.906338	376.243	47.418540	74.509406	283.953	271.021609	119.050

C.R.S. : WGS 84 (HUSO 31)
EJE : 39 : e39

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR28 X: 479944.147 Y: 4623443.813 Z: 94.222 PK: 0.000 Dis=-554.087
Distancia: 236.151 Azimut: 390.492392
BO : BR29 X: 479909.010 Y: 4623677.335 Z: 104.713 PK: 11.396 Dis=-381.499

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
CIRC.	0.000	351.670658	0.000	480183.167	4623943.695	28.394400	554.087	37.902008	50.918335	382.243	260.425943	119.110

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PROYECTO : 2019
C.R.S. : WGS 84 (HUSO 31)
EJE : 39 : e39

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR29 X: 479909.010 Y: 4623677.335 Z: 104.713 PK: 11.396 Dis=-381.499
Distancia: 151.775 Azimut: 3.487797
BO : BR30 X: 479917.321 Y: 4623828.882 Z: 111.011 PK: 16.487 Dis=-283.981

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
CIRC.	0.000	351.670658	0.000	480183.167	4623943.695	50.918335	382.243	47.430537	74.046275	289.579	270.558477	119.110
CIRC.	9.368	340.418366	0.000	480176.154	4623949.886	49.362135	381.641	45.874337	72.159879	285.721	268.672081	118.924
CIRC.	20.000	385.542902	0.000	480170.435	4623958.586	47.675210	383.986	44.187413	69.853177	284.412	266.365379	118.890
CIRC.	23.277	399.448885	0.000	480170.051	4623961.834	47.264243	386.111	43.776446	69.169799	285.567	265.682002	118.945

C.R.S. : WGS 84 (HUSO 31)
 EJE : 45 : e45

 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR :	BR29	X:	479909.010	Y:	4623677.335	Z:	104.713	PK:	0.000	Dis=	271.043		
BO :	BR30	X:	479917.321	Y:	4623828.882	Z:	111.011	PK:	0.000	Distancia:	151.775	Azimet:	3.487797
										Dis=	121.263		
TIPO	PK Estac.	Azimet	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA	
CIRC.	0.000	50.922613	0.000	479894.576	4623947.993	396.608165	271.043	393.120367	387.987953	121.263	184.500155	119.280	
CIRC.	20.000	87.300886	0.000	479912.028	4623957.194	0.686502	279.875	397.198704	397.375365	128.421	193.887568	119.100	
CIRC.	30.594	106.569779	0.000	479922.569	4623957.702	3.076399	280.695	399.588602	2.592093	128.927	199.104296	119.159	

C.R.S. : WGS 84
 (HUSO 31) EJE :
 46 : e46

 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR :	BR29	X:	479909.010	Y:	4623677.335	Z:	104.713	PK:	0.000	Dis=-	287.685		
BO :	BR30	X:	479917.321	Y:	4623828.882	Z:	111.011	PK:	0.000	Distancia:	151.775	Azimet:	3.487797
										Dis=-	135.914		
TIPO	PK Estac.	Azimet	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA	
RECTA	0.000	306.574663	0.000	479923.291	4623964.665	3.161553	287.685	399.673756	2.797238	135.914	199.309441	119.159	
CIRC.	7.646	306.574663	0.000	479915.686	4623965.453	1.474891	288.196	397.987093	399.237973	136.581	195.750176	119.086	
CIRC.	20.000	345.900080	0.000	479904.545	4623970.324	399.029970	293.023	395.542172	394.265314	142.017	190.777517	119.228	
CIRC.	28.070	371.587629	0.000	479899.707	4623976.714	398.022383	299.524	394.534586	392.450346	148.878	188.962549	119.280	

C.R.S. : WGS 84 (HUSO 31)
EJE : 47 : e47

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR :	BR28	X: 479944.147	Y: 4623443.813	Z: 94.222	PK: 28.409	Dis=-517.006						
BO :	BR30	X: 479917.321	Y: 4623828.882	Z: 111.011	PK: 30.595	Distancia: 386.002	Azimet: 395.572115					
TIPO	PK Estac.	Azimet	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	250.922369	0.000	479991.033	4623970.256	5.654935	528.527	10.082820	30.597120	159.437	235.025005	120.280
CIRC.	20.000	287.300642	0.000	479973.581	4623961.055	3.618831	518.079	8.046717	25.619210	143.648	230.047095	120.119
CIRC.	30.595	306.571432	0.000	479963.039	4623960.547	2.326471	517.079	6.754356	21.276134	139.376	225.704019	119.958

C.R.S. : WGS 84
(HUSO 31) EJE :
48 : e48

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR :	BR30	X: 479917.321	Y: 4623828.882	Z: 111.011	PK: 28.070	Dis= 131.886						
BO :	BR29	X: 479909.010	Y: 4623677.335	Z: 104.713	PK: 28.070	Distancia: 151.775	Azimet: 203.487797					
TIPO	PK Estac.	Azimet	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	106.567236	0.000	479962.318	4623953.585	22.045704	132.573	218.557907	12.135694	281.346	8.647896	119.958
CIRC.	7.641	106.567236	0.000	479969.918	4623952.798	25.554774	134.617	222.066977	13.853591	282.117	10.365794	120.091
CIRC.	20.000	145.906796	0.000	479981.063	4623947.926	31.296518	135.035	227.808721	16.567538	280.020	13.079741	120.228
CIRC.	28.070	171.595054	0.000	479985.901	4623941.535	34.813208	131.886	231.325411	18.029728	275.162	14.541931	120.280

C.R.S. : WGS 84 (HUSO 31)
EJE : 49 : e49

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR :	BR30	X: 479917.321	Y: 4623828.882	Z: 111.011	PK: 2.620	Dis=-167.674						
						Distancia: 386.002	Azimet: 195.572115					
BO :	BR28	X: 479944.147	Y: 4623443.813	Z: 94.222	PK: 5.496	Dis=-550.179						

TIPO	PK Estac.	Azimet	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
CIRC.	0.000	279.613440	0.000	479869.286	4623989.654	381.516862	167.794	185.944748	391.323061	550.951	395.750947	119.280

C.R.S. : WGS 84
(HUSO 31) EJE :
49 : e49

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR :	BR28	X: 479944.147	Y: 4623443.813	Z: 94.222	PK: 5.496	Dis=-550.179						
						Distancia: 236.151	Azimet: 390.492392					
BO :	BR29	X: 479909.010	Y: 4623677.335	Z: 104.713	PK: 5.537	Dis=-314.030						

TIPO	PK Estac.	Azimet	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
CIRC.	0.000	279.613440	0.000	479869.286	4623989.654	391.323061	550.951	0.830669	391.946119	314.835	201.453727	119.280
CIRC.	1.374	276.115843	0.000	479867.995	4623989.186	391.167826	550.664	0.675434	391.674930	314.537	201.182537	119.278
CIRC.	20.000	341.993599	0.000	479850.369	4623991.710	389.208146	555.865	398.715754	388.259840	319.798	197.767448	119.022
RECTA	20.949	345.351421	0.000	479849.634	4623992.312	389.136937	556.582	398.644545	388.138321	320.524	197.645928	118.994
RECTA	21.504	345.351421	0.000	479849.214	4623992.674	389.096716	557.010	398.604323	388.069859	320.958	197.577467	118.978

C.R.S. : WGS 84 (HUSO 31)
EJE : 50 : e50

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

TIPO	PK	Estac.	Azimet	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
BR :	BR30				X: 479917.321	Y: 4623828.882	Z: 111.011	PK: 18.883			Dis=-157.942		
BO :	BR29				X: 479909.010	Y: 4623677.335	Z: 104.713	PK: 18.883	Distancia: 151.775	Azimet: 203.487797	Dis=-301.118		
RECTA	0.000	145.351421		0.000	479845.952	4623988.885	373.289789	175.198	169.801992	387.286491	317.867	383.798693	119.018
CIRC.	6.135	145.351421		0.000	479850.595	4623984.875	374.267912	169.665	170.780114	388.050175	313.039	384.562378	119.154
CIRC.	18.031	221.086280		0.000	479853.515	4623974.055	373.637386	158.576	170.149589	388.229374	301.865	384.741576	119.280
CIRC.	18.883	218.917611		0.000	479853.252	4623973.245	373.408917	157.942	169.921120	388.143201	301.118	384.655404	119.282

C.R.S. : WGS 84 (HUSO 31)
EJE : 51 : DEFLECTORA SALIDA GLORIETA OESTE-CAM SERV OEST

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

TIPO	PK	Estac.	Azimet	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
BR :	BR30				X: 479917.321	Y: 4623828.882	Z: 111.011	PK: 12.149			Dis=-151.685		
BO :	BR29				X: 479909.010	Y: 4623677.335	Z: 104.713	PK: 18.795	Distancia: 151.775	Azimet: 203.487797	Dis=-291.543		
CIRC.	0.000	215.329725		0.000	479852.877	4623971.887	373.046431	156.855	169.558634	388.011699	299.853	384.523902	119.280
CIRC.	0.000	215.329725		0.000	479852.877	4623971.887	373.046431	156.855	169.558634	388.011699	299.853	384.523902	119.280
CIRC.	15.766	284.550995		0.000	479842.280	4623961.270	367.171381	152.176	163.683583	385.304916	291.671	381.817119	119.090
CIRC.	18.795	280.014529		0.000	479839.369	4623960.438	365.946102	152.917	162.458305	384.644480	291.543	381.156683	119.018

C.R.S. : WGS 84 (HUSO 31)
 EJE : 52 : DEFLECTORA ENTRDA CAM SERV OEST-GLORIETA OESTE

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR :	BR30	X: 479917.321	Y: 4623828.882	Z: 111.011	PK: 18.378	Dis= 135.674						
BO :	BR29	X: 479909.010	Y: 4623677.335	Z: 104.713	PK: 18.378	Dis= 278.103	Distancia: 151.775	Azimet: 203.487797				
TIPO	PK Estac.	Azimet	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
CIRC.	0.000	80.014516	0.000	479840.913	4623955.682	365.474804	148.042	161.987007	384.725194	286.556	381.237396	118.855
CIRC.	18.378	158.013449	0.000	479857.399	4623950.606	370.877844	135.674	167.390047	388.116526	278.103	384.628729	119.280

C.R.S. : WGS 84 (HUSO 31)
 EJE : 53 : DEFLECTORA SALIDA GLORIETA ESTE-CAM SERV ESTE

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR :	BR30	X: 479917.321	Y: 4623828.882	Z: 111.011	PK: 0.000	Dis= 134.539						
BO :	BR29	X: 479909.010	Y: 4623677.335	Z: 104.713	PK: 17.033	Dis= 267.315	Distancia: 151.775	Azimet: 203.487797				
TIPO	PK Estac.	Azimet	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
CIRC.	0.000	98.558072	0.000	480009.019	4623927.331	47.740622	134.539	244.252824	24.226122	269.258	20.738325	120.280
CIRC.	0.000	98.558071	0.000	480009.019	4623927.331	47.740622	134.539	244.252825	24.226122	269.258	20.738325	120.280
CIRC.	13.409	155.468257	0.000	480020.836	4623921.993	53.365551	139.230	249.877754	27.293149	269.003	23.805352	120.090
CIRC.	17.033	161.619536	0.000	480023.032	4623919.112	55.019329	138.983	251.531532	28.053900	267.315	24.566102	119.932

C.R.S. : WGS 84 (HUSO 31)
EJE : 54 : DEFLECTORA ENTRADA CAM SERV ESTE-GLORIETA ESTE

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR29 X: 479909.010 Y: 4623677.335 Z: 104.713 PK: 0.000 Dis=-271.647
BO : BR30 X: 479917.321 Y: 4623828.882 Z: 111.011 PK: 0.000 Dis=-143.957
Distancia: 151.775 Azimut: 3.487797

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
CIRC.	0.000	361.619551	0.000	480027.150	4623921.947	28.643498	271.647	25.155700	55.248166	143.957	251.760369	120.082
CIRC.	0.040	361.559871	0.000	480027.128	4623921.980	28.635384	271.667	25.147587	55.230635	143.961	251.742837	120.083
CIRC.	15.557	43.881634	0.000	480027.745	4623936.425	27.356619	285.002	23.868822	50.841460	154.140	247.353663	120.278

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C.R.S. : WGS 84 (HUSO 31)
EJE : 55 : e55

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR29 X: 479909.010 Y: 4623677.335 Z: 104.713 PK: 0.000 Dis= 286.078
BO : BR30 X: 479917.321 Y: 4623828.882 Z: 111.011 PK: 0.000 Dis=-155.238
Distancia: 151.775 Azimut: 3.487797

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
CIRC.	0.000	41.057671	0.000	480028.431	4623937.295	27.414676	286.078	23.926879	50.782094	155.238	247.294297	120.280
RECTA	14.125	112.993741	0.000	480040.954	4623942.021	29.439861	295.750	25.952064	52.819633	167.588	249.331836	120.162
RECTA	15.675	112.993741	0.000	480042.472	4623941.707	29.762062	296.150	26.274265	53.294437	168.500	249.806640	120.137

C.R.S. : WGS 84 (HUSO 31)
 EJE : 56 : e56

 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR :	BR28	X: 479944.147	Y: 4623443.813	Z: 94.222	PK: 0.000	Dis=-514.510							
						Distancia: 236.151	Azimet: 390.492392						
BO :	BR29	X: 479909.010	Y: 4623677.335	Z: 104.713	PK: 3.679	Dis=-302.443							
TIPO	PK Estac.	Azimet	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA	
CIRC.	0.000	312.998785	0.000	480043.890	4623948.562	12.420170	514.510	21.927778	29.378842	302.914	238.886450	120.004	

C.R.S. : WGS 84
 (HUSO 31) EJE :
 56 : e56

 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR :	BR29	X: 479909.010	Y: 4623677.335	Z: 104.713	PK: 3.679	Dis=-302.443							
						Distancia: 151.775	Azimet:					3.487797	
BO :	BR30	X: 479917.321	Y: 4623828.882	Z: 111.011	PK: 8.448	Dis=-171.692							
TIPO	PK Estac.	Azimet	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA	
CIRC.	0.000	312.998785	0.000	480043.890	4623948.562	29.378842	302.914	25.891044	51.780527	174.192	248.292730	120.004	
CIRC.	16.349	382.386230	0.000	480032.502	4623959.153	26.292136	307.688	22.804338	46.091082	173.888	242.603285	120.280	

C.R.S. : WGS 84 (HUSO 31)

EJE : 57 : e57

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR29 X: 479909.010 Y: 4623677.335 Z: 104.713 PK: 0.000 Dis= 345.010

Distancia: 151.775 Azimut: 3.487797

BO : BR30 X: 479917.321 Y: 4623828.882 Z: 111.011 PK: 0.000 Dis= 237.686

TIPO PK Estac. Azimut Dis.Eje X Y Ang.Azimu. Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO) COTA

TIPO	PK	Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	73.565641	0.000	480123.045	4623947.929	42.603710	345.010	39.115913	66.603504	237.686	263.115707	118.532	
CIRC.	0.291	73.416305	0.000	480123.311	4623948.047	42.628716	345.267	39.140919	66.611904	237.975	263.124107	118.529	
CIRC.	20.000	136.152647	0.000	480142.179	4623946.626	45.431143	356.210	41.943346	69.290837	253.820	265.803040	118.526	
CIRC.	20.120	136.533610	0.000	480142.279	4623946.561	45.452314	356.227	41.964517	69.316918	253.879	265.829121	118.526	

C.R.S. : WGS 84 (HUSO 31)

EJE : 58 : e58

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR30 X: 479917.321 Y: 4623828.882 Z: 111.011 PK: 21.020 Dis=-238.682

Distancia: 151.775 Azimut: 203.487797

BO : BR29 X: 479909.010 Y: 4623677.335 Z: 104.713 PK: 21.020 Dis=-348.789

TIPO PK Estac. Azimut Dis.Eje X Y Ang.Azimu. Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO) COTA

TIPO	PK	Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	224.391474	0.000	480135.356	4623968.407	63.760089	258.856	260.272292	42.077480	368.721	38.589683	118.738	
CIRC.	0.000	224.391473	0.000	480135.356	4623968.407	63.760089	258.856	260.272292	42.077480	368.721	38.589683	118.738	
CIRC.	14.288	269.872015	0.000	480125.922	4623958.082	64.697203	245.371	261.209405	41.878439	354.781	38.390642	118.500	
CIRC.	20.000	273.005854	0.000	480120.776	4623955.604	64.536863	239.693	261.049066	41.412795	349.684	37.924998	118.446	
CIRC.	21.020	273.565619	0.000	480119.844	4623955.189	64.499584	238.682	261.011787	41.323409	348.789	37.835612	118.436	

C.R.S. : WGS 84 (HUSO 31)

EJE : 59 : e59

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR30 X: 479917.321 Y: 4623828.882 Z: 111.011 PK: 25.935 Dis= 260.055

Distancia: 151.775 Azimut: 203.487797

BO : BR29 X: 479909.010 Y: 4623677.335 Z: 104.713 PK: 25.935 Dis= 370.112

TIPO PK Estac. Azimut Dis.Eje X Y Ang.Azimu. Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO) COTA

CIRC.	0.000	164.529951	0.000	480132.584	4623994.177	58.311422	271.404	254.823624	39.120028	387.780	35.632230	118.761
CIRC.	9.568	177.353058	0.000	480136.794	4623985.603	60.522380	269.684	257.034583	40.512473	383.294	37.024676	118.769
CIRC.	20.000	210.560157	0.000	480137.771	4623975.335	62.669454	264.663	259.181657	41.679826	375.680	38.192029	118.803
CIRC.	25.935	229.451818	0.000	480135.943	4623969.711	63.568583	260.055	260.080786	42.019458	370.112	38.531661	118.762

C.R.S. : WGS 84 (HUSO 31)

EJE : 60 : e60

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR28 X: 479944.147 Y: 4623443.813 Z: 94.222 PK: 3.638 Dis=-575.550

Distancia: 236.151 Azimut: 390.492392

BO : BR29 X: 479909.010 Y: 4623677.335 Z: 104.713 PK: 10.846 Dis=-387.638

TIPO PK Estac. Azimut Dis.Eje X Y Ang.Azimu. Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO) COTA

CIRC.	0.000	314.328981	0.000	480156.069	4623979.224	23.993573	575.826	33.501181	43.662310	390.096	253.169918	119.042
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C.R.S. : WGS 84 (HUSO 31)

EJE : 60 : e60

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR29 X: 479909.010 Y: 4623677.335 Z: 104.713 PK: 10.846 Dis=-387.638

Distancia: 151.775 Azimut: 3.487797

BO : BR30 X: 479917.321 Y: 4623828.882 Z: 111.011 PK: 18.124 Dis=-275.366

TIPO PK Estac. Azimut Dis.Eje X Y Ang.Azimu. Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO) COTA

CIRC.	0.000	314.328981	0.000	480156.069	4623979.224	43.662310	390.096	40.174513	64.223296	282.140	260.735498	119.042
CIRC.	20.000	365.258563	0.000	480140.279	4623990.617	40.483606	389.399	36.995808	60.047362	275.443	256.559565	118.754
CIRC.	22.097	370.598371	0.000	480139.267	4623992.453	40.172941	390.279	36.685144	59.567016	275.710	256.079219	118.751
CIRC.	27.101	364.529906	0.000	480136.827	4623996.820	39.435277	392.392	35.947479	58.423734	276.381	254.935936	118.761

C.R.S. : WGS 84 (HUSO 31)
EJE : 87 : Auxiliar cuneta guarda talud ejecutado E18

BR : BR30 X: 479917.321 Y: 4623828.882 Z: 111.011 PK: 153.294 Dis= 218.551
BO : BR29 X: 479909.010 Y: 4623677.335 Z: 104.713 PK: 153.294 Distancia: 151.775 Azimut: 203.487797 Dis= 360.268

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
RECTA	0.000	217.777076	0.000	479810.378	4624169.744	380.645721	357.245	177.157924	387.414749	502.191	383.926952	110.946
RECTA	16.654	219.133746	0.000	479805.788	4624153.735	378.945422	343.467	175.457624	386.416235	487.455	382.928437	111.260
RECTA	20.000	219.133746	0.000	479804.797	4624150.540	378.576541	340.771	175.088744	386.200140	484.544	382.712343	111.260
RECTA	34.889	212.856841	0.000	479800.389	4624136.318	376.862122	328.922	173.374325	385.206211	471.660	381.718414	111.510
RECTA	40.000	212.856841	0.000	479799.364	4624131.311	376.325141	324.618	172.837343	384.913054	467.029	381.425257	111.510
RECTA	51.966	209.043126	0.000	479796.964	4624119.588	375.010703	314.636	171.522906	384.203431	456.226	380.715634	111.525
RECTA	60.000	209.043126	0.000	479795.826	4624111.635	374.163959	307.750	170.676162	383.769975	448.806	380.282178	111.593
RECTA	64.458	205.055106	0.000	479795.195	4624107.221	373.677552	303.953	170.189755	383.523194	444.698	380.035396	111.630
RECTA	78.076	202.851276	0.000	479794.115	4624093.647	372.272826	292.028	168.785029	382.857139	431.876	379.369342	111.785
RECTA	80.000	202.851276	0.000	479794.029	4624091.725	372.077854	290.323	168.590057	382.769137	430.046	379.281340	111.809
RECTA	80.052	178.688028	0.000	479794.027	4624091.673	372.072585	290.277	168.584788	382.766763	429.997	379.278966	111.806
RECTA	99.732	182.595172	0.000	479800.493	4624073.085	371.592514	270.711	168.104717	382.962240	410.359	379.474442	111.010
RECTA	100.000	182.595172	0.000	479800.565	4624072.827	371.581661	270.446	168.093864	382.962480	410.091	379.474682	111.010
RECTA	105.676	181.041396	0.000	479802.097	4624067.362	371.346815	264.857	167.859018	382.967635	404.415	379.479838	110.760
RECTA	114.270	170.581812	0.000	479804.619	4624059.147	371.023088	256.366	167.535291	383.009450	395.825	379.521652	110.760
RECTA	120.000	170.581812	0.000	479807.174	4624054.017	371.033177	250.636	167.545380	383.190795	390.205	379.702997	110.760
RECTA	125.184	156.427835	0.000	479809.485	4624049.377	371.042710	245.452	167.554913	383.359424	385.124	379.871626	110.760
RECTA	137.460	155.737387	0.000	479817.246	4624039.866	371.804281	233.515	168.316484	384.217357	373.964	380.729560	110.260
RECTA	140.000	155.737387	0.000	479818.873	4624037.915	371.979043	231.056	168.491246	384.405568	371.676	380.917770	110.260
RECTA	144.288	148.468746	0.000	479821.620	4624034.623	372.282663	226.909	168.794866	384.728611	367.820	381.240813	110.260
RECTA	153.294	148.468746	0.000	479828.140	4624028.409	373.241326	218.551	169.753529	385.586872	360.268	382.099075	110.260

C.R.S. : WGS 84 (HUSO 31)
EJE : 103 : Canal Can Cartella 2022 Propuesta ACA

BR : BR29 X: 479909.010 Y: 4623677.335 Z: 104.713 PK: 0.000 Dis=-207.105
BO : BR30 X: 479917.321 Y: 4623828.882 Z: 111.011 PK: 45.999 Dis= -94.789
Distancia: 151.775 Azimut: 3.487797

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(B0)	Dis.R(B0)	Ang1-2(B0)	COTA
RECTA	0.000	357.071075	0.000	480020.084	4623852.135	36.036983	207.105	32.549185	85.833388	105.361	282.345590	112.750
RECTA	20.000	357.071075	0.000	480007.596	4623867.757	30.413030	214.429	26.925233	74.113136	98.290	270.625339	112.390
RECTA	40.000	357.071075	0.000	479995.109	4623883.380	25.198162	223.310	21.710364	61.094551	94.979	257.606753	112.030
RECTA	60.000	357.071075	0.000	479982.622	4623899.002	20.411494	233.570	16.923696	47.735101	95.818	244.247304	111.670
RECTA	80.000	357.071075	0.000	479970.134	4623914.625	16.049926	245.036	12.562129	35.145395	100.703	231.657598	111.310
RECTA	100.000	357.071075	0.000	479957.647	4623930.248	12.094949	257.547	8.607151	24.104302	109.092	220.616505	110.950
RECTA	105.400	306.640282	0.000	479954.275	4623934.465	11.093423	261.084	7.605626	21.433488	111.864	217.945691	110.853
RECTA	120.000	306.640282	0.000	479939.754	4623935.985	7.531792	260.471	4.043995	13.144259	109.428	209.656461	109.034
RECTA	140.000	306.640282	0.000	479919.863	4623938.068	2.648396	260.959	399.160599	1.481863	109.215	197.994065	108.876
RECTA	142.216	270.420976	0.000	479917.659	4623938.299	2.109120	261.107	398.621323	0.196590	109.417	196.708792	108.859
RECTA	160.000	270.420976	0.000	479901.760	4623930.330	398.176233	253.099	394.688436	390.310646	102.634	186.822849	108.719
RECTA	169.334	316.988252	0.000	479893.416	4623926.147	396.015309	249.301	392.527511	384.657903	100.160	181.170106	108.645
RECTA	180.000	316.988252	0.000	479883.127	4623928.960	393.474543	252.953	389.986745	379.040265	105.758	175.552467	108.561
RECTA	200.000	316.988252	0.000	479863.835	4623934.234	388.918551	260.841	385.430754	370.093001	118.152	166.605204	108.404
RECTA	220.000	316.988252	0.000	479844.543	4623939.508	384.650386	269.983	381.162589	362.955682	132.419	159.467884	108.246
RECTA	220.051	379.154921	0.000	479844.494	4623939.521	384.639950	270.007	381.152152	362.939589	132.457	159.451792	108.246
RECTA	240.000	379.154921	0.000	479838.078	4623958.411	384.262948	289.888	380.775151	365.047368	151.846	161.559571	108.088
RECTA	259.666	333.756378	0.000	479831.753	4623977.032	383.938719	309.494	380.450922	366.655941	171.085	163.168143	107.933
RECTA	260.000	333.756378	0.000	479831.465	4623977.201	383.890038	309.730	380.402240	366.594639	171.376	163.106841	107.931
RECTA	280.000	333.756378	0.000	479814.212	4623987.316	381.105878	324.152	377.618080	363.270790	189.031	159.782993	107.773
RECTA	300.000	333.756378	0.000	479796.958	4623997.431	378.563302	339.141	375.075505	360.520866	207.113	157.033069	107.615
RECTA	320.000	333.756378	0.000	479779.704	4624007.545	376.239310	354.625	372.751513	358.216083	225.519	154.728285	107.458
RECTA	338.348	333.756378	0.000	479763.875	4624016.825	374.281009	369.212	370.793212	356.411284	242.628	152.923486	107.313