

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B

Proyecto original:  

Actualización 2016

  

Actualización 2019:


LYCCSA
EMPRESA
CONSULTORA
DE INGENIERÍA

ANEJO Nº 8

TRAZADO

Actualización 2016



Actualización 2019:



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1. INTRODUCCIÓN

El objeto del presente Anejo es la descripción del trazado de las diferentes alternativas que se han desarrollado para resolver la conexión entre la Autovía Trujillo-Cáceres (A-58), la Autovía de la Plata (A-66) y la futura EX-A4 en el entorno de Cáceres. Se han planteado 7 alternativas, cinco de ellas en el primer tramo, entre la A-58 y la A-66, y otras dos, entre la A-66 y la EX-A4.

El trazado tanto en planta como en alzado, ha sido calculado con el programa ISTRAM versión 9.28, suficientemente contrastado.

La velocidad de proyecto del presente Estudio Informativo es de 100 km/h, pero las condiciones favorables del terreno han permitido utilizar tanto en el trazado en planta como en alzado los parámetros correspondientes a una velocidad de proyecto de 120 km/h en todas las alternativas excepto en la Alternativa 5.

2. RESTRICCIONES DE NORMA 3.1-IC

La norma 3.1-IC establece las siguientes restricciones de trazado para la velocidad proyecto 100 km/h, asociada a la Alternativa 5:

- Radio mínimo:.....450 m
- Inclinación máxima:.....5%
- Inclinación mínima:.....0,5%
- Parámetro mínimo en acuerdo convexo:.....7.125 m
- Parámetro mínimo en acuerdo cóncavo:.....4.348 m
- Longitud mínima del acuerdo vertical:.....100 m

Para el resto de las alternativas, de velocidad de proyecto 120 km/h la norma de trazado establece las siguientes limitaciones:

- Radio mínimo:.....700 m
- Inclinación máxima:.....5%
- Inclinación mínima:.....0,5%
- Parámetro mínimo en acuerdo convexo:.....15.276 m
- Parámetro mínimo en acuerdo cóncavo:.....6.685 m
- Longitud mínima del acuerdo vertical:.....120 m

Vp= 120		Clase Carretera CS					700					
		Supervisión y ayuda al trazado					Supervisión y ayuda al trazado					
Pendiente (%)	Longitud del acuerdo (m)	Comprobación inclinación longitudinal máxima	Comprobación inclinación longitudinal mínima	Parámetro Kv	p.k.	cota	Dist.vértices	Comprobación distancia entre vértices	Dif cotas	Comprobación parámetro Kv	Comprobación consideraciones estéticas	Comprobación longitud de rampa o pendiente
-0.500	500.000	Cumple	Cumple	20000	1861.759	386.457				Cumple	Cumple	
2.000	465.000	Cumple	Cumple	31000	3479.163	418.805	1,617.404	Cumple	32.348	Cumple	Cumple	Cumple
0.500	320.000	Cumple	Cumple	16000	4247.266	422.645	768.103	Cumple	3.840	Cumple	Cumple	Cumple
2.500	403.000	Cumple	Cumple	31000	5062.985	443.038	815.719	Cumple	20.393	Cumple	Cumple	Cumple
1.200	814.000	Cumple	Cumple	22000	5839.992	452.362	777.007	Cumple	9.324	Menor que deseable	Cumple	Cumple
-2.500	170.000	Cumple	Cumple	17000	6340.135	439.859	500.143	Cumple	-12.503	Cumple	Cumple	Cumple
-1.500	250.000	Cumple	Cumple	10000	7347.073	424.755	1,006.938	Cumple	-15.104	Cumple	Cumple	Cumple
1.000	775.000	Cumple	Cumple	31000	8338.116	434.665	991.043	Cumple	9.910	Cumple	Cumple	Cumple
-1.500	465.000	Cumple	Cumple	31000	9880.287	411.533	1,542.171	Cumple	-23.132	Cumple	Cumple	Cumple
-3.000	500.000	Cumple	Cumple	10000	10412.305	395.572	532.018	Cumple	-15.961	Cumple	Cumple	Cumple
2.000	400.000	Cumple	Cumple	16000	11036.255	408.051	623.950	Cumple	12.479	Menor que deseable	Cumple	Cumple
-0.500	400.000	Cumple	Cumple	40000	12404.727	401.209	1,368.472	Cumple	-6.842	Cumple	Cumple	Cumple
0.500		Cumple	Cumple									

Comprobación en alzado

4. CUADRO RESUMEN DE TRAZADOS

A modo de resumen, en la tabla siguiente se enumeran las principales características de los trazados estudiados:

	Longitud (km)	Inclinación mín/máx (%)	Radio mín/máx (m)	Kv mínimo convexo/cóncavo (m)
Alternativa 1	13,960	0,5/3,0	800/10.000	16.000/10.000
Alternativa 2	13,763	0,5/2,5	750/10.000	16.000/10.000
Alternativa 3	14,117	0,5/3,0	800/10.000	16.000/10.000
Alternativa 4	13,920	0,5/3,0	800/10.000	16.000/10.000
Alternativa 5	11,741	0,5/5,0	900/5.000	7.200/7.000
Alternativa 6	2,248	0,5/2,5	1.500/1.500	-/15.000
Alternativa 7	7,575	0,5/3,0	2.000/3.000	15.300/7.000
Alternativa 8	14.042	0,51/3,86	800/5.000	8.500/800.000
Alternativa 9	13.922	0,50/2,12	800/10.000	11.000/35000

5. TRAZADO EN PLANTA

Los datos que definen analíticamente en planta el trazado proyectado son los siguientes:

- Datos que definen las alineaciones
- Puntos singulares del eje en planta

5.1. LISTADO DEL EJE EN PLANTA. PUNTOS SINGULARES

El significado de los encabezamientos es el siguiente:

Longitud: Distancia en metros sobre el eje entre cada dos puntos singulares consecutivos.

P.K.: Punto kilométrico de cada punto singular de la alineación.

Coord. X: Abscisa del punto singular del eje.

Coord. Y: Ordenada del punto singular del eje.

Azimut: Azimut del eje en el punto singular en grados centesimales.

Radio: Radio de curvatura en metros, con su signo (negativo indica que se trata de una curva a la izquierda en el sentido de avance del kilometraje y positivo que se trata de una curva a la derecha).

Parámetro: Valor del parámetro de la clotoide.

X centro: Abscisa del centro de la circunferencia correspondiente a una curva circular.

Y centro: Ordenada del centro de la circunferencia correspondiente a una curva circular.

6. TRAZADO EN ALZADO

Al igual que para el trazado en planta, en el punto siguiente se recogen los datos que definen analíticamente el trazado en alzado, a continuación se resumen los resultados para:

- Vértices
- Puntos singulares.

6.1. LISTADO DEL EJE EN ALZADO. VÉRTICES

Representan los puntos de cambio de pendiente constante a curva de acuerdo o viceversa.

Su interpretación es la siguiente:

Nº: Número de orden de los puntos singulares.

P.K.: Punto kilométrico de cada punto singular de la alineación.

Cota: Cota del punto singular.

TE: Punto kilométrico de la tangente de entrada del acuerdo

TS: Punto kilométrico de la tangente de salida del acuerdo

APÉNDICE Nº 1. LISTADOS DE TRAZADO

Actualización 2016



Actualización 2019:



LISTADOS DEL TRAZADO EN PLANTA

Actualización 2016

Actualización 2019:



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 PROYECTO :
 EJE : 1: Alternativa 1

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*** LISTADO DE LAS ALINEACIONES ***

DATO TIPO	LONGITUD	P.K.	X TANGENCIA	Y TANGENCIA	RADIO	PARAMETRO	AZIMUT	Cos/Xc/Xinf	Sen/Yc/Yinf
1 RECTA	865.625	0.000	737003.734	4371361.818			262.2582	-0.8293538	-0.5587238
CLOT.	112.225	865.625	736285.825	4370878.173		335.000	262.2582	736285.825	4370878.173
2 CIRC.	1326.419	977.850	736193.953	4370813.750	-1000.000		258.6860	736798.310	4370017.036
CLOT.	112.225	2304.269	735879.043	4369623.402		335.000	174.2435	735927.039	4369521.976
CLOT.	98.000	2416.494	735927.039	4369521.976		280.000	170.6713	735927.039	4369521.976
3 CIRC.	1039.058	2514.494	735968.799	4369433.336	800.000		174.5706	735231.777	4369122.211
CLOT.	98.000	3553.552	735729.454	4368495.859		280.000	257.2562	735650.315	4368438.086
CLOT.	106.778	3651.552	735650.315	4368438.086		310.000	261.1555	735650.315	4368438.086
4 CIRC.	661.428	3758.330	735564.045	4368375.194	-900.000		257.3790	736122.572	4367669.468
CLOT.	106.778	4419.758	735235.001	4367818.527		310.000	210.5925	735221.496	4367712.624
5 RECTA	1550.380	4526.536	735221.496	4367712.624			206.8161	-0.1068619	-0.9942739
CLOT.	166.667	6076.916	735055.819	4366171.121		500.000	206.8161	735055.819	4366171.121
6 CIRC.	1178.126	6243.583	735034.947	4366005.790	1500.000		210.3528	735554.737	4366248.649
CLOT.	166.667	7421.709	734429.653	4365030.239		500.000	260.3541	734290.786	4364938.118
7 RECTA	577.698	7588.376	734290.786	4364938.118			263.8908	-0.8434078	-0.5372739
CLOT.	333.333	8166.073	733803.551	4364627.736		1000.000	263.8908	733803.551	4364627.736
8 CIRC.	1521.231	8499.407	733519.186	4364453.905	3000.000		267.4276	732050.347	4367069.725
CLOT.	333.333	10020.637	732064.054	4364069.756		1000.000	299.7091	731730.942	4364080.576
9 CIRC.	1429.639	10353.970	731730.942	4364080.576	-10000.000		303.2459	731221.298	4354093.571
CLOT.	792.496	11783.609	730302.821	4364051.301	10000.000		294.1445	729384.343	4374009.032
CLOT.	112.225	12576.105	729511.617	4364009.842		335.000	299.1897	729511.617	4364009.842
11 CIRC.	346.826	12688.330	729399.463	4364006.316	-1000.000		295.6175	729468.249	4363008.684
CLOT.	112.225	13035.157	729064.449	4363923.532		335.000	273.5378	728963.561	4363874.414
12 RECTA	1029.113	13147.382	728963.561	4363874.414			269.9656	-0.8907611	-0.4544718
		14176.495	728046.867	4363406.711			269.9656		

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 EJE : 1: Alternativa 1

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DATOS DE ENTRADA

Num Eje	P.K. inicial	N.Palabras	Titulo del Eje
1	0.0000	2	Alternativa 1

Tipo	X (L ant)	Y (dL ant)	R	K1	K2	A	L	D	Az	Etiq	Clave
FIJA-2P+R	737003.734375	4371361.818359	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0	0
	736208.931641	4370826.371094									
FLOTANTE	0.000000	0.000000	-1000.000000	335.000000	335.000000	335.000000	0.000000	0.000000	0.000000	0	8
FIJA-2P+R	735643.664063	4369808.031250	800.000000	335.000000	280.000000	335.000000	0.000000	0.000000	0.000000	0	0
	735738.617188	4368503.250000									
FLOTANTE	0.000000	0.000000	-900.000000	280.000000	310.000000	280.000000	0.000000	0.000000	0.000000	0	8
RETROGIRAT	735253.992188	4368014.978516	0.000000	310.000000	310.000000	310.000000	0.000000	0.000000	0.000000	0	8
FIJA-2P+R	735017.689453	4365917.332031	1500.000000	500.000000	500.000000	500.000000	0.000000	0.000000	0.000000	0	0
	734701.260540	4365281.444460									
FLOTANTE	0.000000	0.000000	0.000000	500.000000	500.000000	500.000000	0.000000	0.000000	0.000000	0	8
FIJA-2P+R	733718.019531	4364575.958984	3000.000000	1000.000000	1000.000000	1000.000000	0.000000	0.000000	0.000000	0	0
	732135.772427	4364070.941302									
GIRATORIA	730408.695313	4364060.500000	-10000.000000	1000.000000	0.000000	1000.000000	0.000000	0.000000	0.000000	0	8
FLOTANTE	0.000000	0.000000	10000.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0	8
RETROGIRAT	729450.312500	4364008.523438	-1000.000000	0.000000	335.000000	335.000000	0.000000	0.000000	0.000000	0	8
FIJA-2P+R	728875.101563	4363829.281250	0.000000	335.000000	335.000000	335.000000	0.000000	0.000000	0.000000	0	0
	728046.867188	4363406.710938									

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 PROYECTO :
 EJE : 2: Alternativa 2

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*** LISTADO DE LAS ALINEACIONES ***

DATO TIPO	LONGITUD	P.K.	X TANGENCIA	Y TANGENCIA	RADIO	PARAMETRO	AZIMUT	Cos/Xc/Xinf	Sen/Yc/Yinf
1 RECTA	865.625	0.000	737003.734	4371361.818			262.2582	-0.8293538	-0.5587238
CLOT.	112.225	865.625	736285.825	4370878.173		335.000	262.2582	736285.825	4370878.173
2 CIRC.	1326.419	977.850	736193.953	4370813.750	-1000.000		258.6860	736798.310	4370017.036
CLOT.	112.225	2304.269	735879.043	4369623.402		335.000	174.2435	735927.039	4369521.976
CLOT.	98.000	2416.494	735927.039	4369521.976		280.000	170.6713	735927.039	4369521.976
3 CIRC.	1039.058	2514.494	735968.799	4369433.336	800.000		174.5706	735231.777	4369122.211
CLOT.	98.000	3553.552	735729.454	4368495.859		280.000	257.2562	735650.315	4368438.086
CLOT.	106.778	3651.552	735650.315	4368438.086		310.000	261.1555	735650.315	4368438.086
4 CIRC.	661.428	3758.330	735564.045	4368375.194	-900.000		257.3790	736122.572	4367669.468
CLOT.	106.778	4419.758	735235.001	4367818.527		310.000	210.5925	735221.496	4367712.624
5 RECTA	1550.380	4526.536	735221.496	4367712.624			206.8161	-0.1068619	-0.9942739
CLOT.	166.667	6076.916	735055.819	4366171.121		500.000	206.8161	735055.819	4366171.121
6 CIRC.	111.178	6243.583	735034.947	4366005.790	1500.000		210.3528	735554.737	4366248.649
CLOT.	166.667	7421.709	734429.653	4365030.239		500.000	260.3541	734290.786	4364938.118
7 RECTA	577.698	7588.376	734290.786	4364938.118			263.8908	-0.8434078	-0.5372739
CLOT.	333.333	8166.073	733803.551	4364627.736		1000.000	263.8908	733803.551	4364627.736
8 CIRC.	1521.231	8499.407	733519.186	4364453.905	3000.000		267.4276	732050.347	4367069.725
CLOT.	333.333	10020.637	732064.054	4364069.756		1000.000	299.7091	731730.942	4364080.576
9 CIRC.	1429.639	10353.970	731730.942	4364080.576	-10000.000		303.2459	731221.298	4354093.571
CLOT.	792.496	11783.609	730302.821	4364051.301	10000.000		294.1445	729384.343	4374009.032
CLOT.	112.225	12576.105	729511.617	4364009.842		335.000	299.1897	729511.617	4364009.842
11 CIRC.	346.826	12688.330	729399.463	4364006.316	-1000.000		295.6175	729468.249	4363008.684
CLOT.	112.225	13035.157	729064.449	4363923.532		335.000	273.5378	728963.561	4363874.414
12 RECTA	1029.113	13147.382	728963.561	4363874.414			269.9656	-0.8907611	-0.4544718
		14176.495	728046.867	4363406.711			269.9656		

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 EJE : 2: Alternativa 2

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DATOS DE ENTRADA

Num Eje	P.K. inicial	N.Palabras	Titulo del Eje
2	0.0000	2	Alternativa 2

Tipo	X (L ant)	Y (dL ant)	R	K1	K2	A	L	D	Az	Etiq	Clave
FIJA-2P+R	737003.734375	4371361.818359	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0	0
	736208.931641	4370826.371094									
FLOTANTE	0.000000	0.000000	-1000.000000	335.000000	335.000000	335.000000	0.000000	0.000000	0.000000	0	8
FIJA-2P+R	735643.664063	4369808.031250	800.000000	335.000000	280.000000	335.000000	0.000000	0.000000	0.000000	0	0
	735738.617188	4368503.250000									
FLOTANTE	0.000000	0.000000	-900.000000	280.000000	310.000000	280.000000	0.000000	0.000000	0.000000	0	8
RETROGIRAT	735253.992188	4368014.978516	0.000000	310.000000	310.000000	310.000000	0.000000	0.000000	0.000000		

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 PROYECTO :
 EJE : 3: Alternativa 3

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*** LISTADO DE LAS ALINEACIONES ***

DATO TIPO	LONGITUD	P.K.	X TANGENCIA	Y TANGENCIA	RADIO	PARAMETRO	AZIMUT	Cos/Xc/Xinf	Sen/Yc/Yinf
1 CIRC.	765.731	0.000	735723.047	4371616.969	-5000.000		243.7094	739590.124	4368447.471
CLOT.	82.320	765.731	735284.806	4370989.957		280.000	233.9598	735292.793	4371003.450
2 CIRC.	1162.718	848.051	735244.568	4370918.156	-800.000		230.1603	735956.456	4370553.170
CLOT.	98.000	2010.769	735510.600	4369888.932		280.000	137.6341	735594.117	4369837.691
CLOT.	98.000	2108.769	735594.117	4369837.691		280.000	133.7348	735594.117	4369837.691
3 CIRC.	1503.216	2206.769	735677.634	4369786.449	800.000		137.6341	735231.777	4369122.211
CLOT.	98.000	3709.985	735729.454	4368495.859		280.000	257.2562	735650.315	4368438.086
CLOT.	106.778	3807.985	735650.315	4368438.086		310.000	261.1555	735650.315	4368438.086
4 CIRC.	661.428	3914.762	735564.045	4368375.194	-900.000		257.3790	736122.572	4367669.468
CLOT.	106.778	4576.191	735235.001	4367818.527		310.000	210.5925	735221.496	4367712.624
5 RECTA	1550.380	4682.968	735221.496	4367712.624			206.8161	-0.1068619	-0.9942739
CLOT.	166.667	6233.348	735055.819	4366171.121		500.000	206.8161	735055.819	4366171.121
6 CIRC.	1178.126	6400.015	735034.947	4366005.790	1500.000		210.3528	733554.737	4366248.649
CLOT.	166.667	7578.141	734429.653	4365030.239		500.000	260.3541	734290.786	4364938.118
7 RECTA	577.698	7744.808	734290.786	4364938.118			263.8908	-0.8434078	-0.5372739
CLOT.	333.333	8322.505	733803.551	4364627.736		1000.000	263.8908	733803.551	4364627.736
8 CIRC.	1521.231	8655.839	733519.186	4364453.905	3000.000		267.4276	732050.347	4367069.725
CLOT.	333.333	10177.069	732064.054	4364069.756		1000.000	299.7091	731730.942	4364080.576
9 CIRC.	1429.639	10510.403	731730.942	4364080.576	-10000.000		303.2459	731221.298	4354093.571
10 CIRC.	792.496	11940.041	730302.821	4364051.301	10000.000		294.1445	729384.343	4374009.032
CLOT.	112.225	12732.538	729511.617	4364009.842		335.000	299.1897	729511.617	4364009.842
11 CIRC.	346.826	12844.763	729399.463	4364006.316	-1000.000		295.6175	729468.249	4363008.684
CLOT.	112.225	13191.589	729064.449	4363923.532		335.000	273.5378	728963.561	4363874.414
12 RECTA	1029.113	13303.814	728963.561	4363874.414			269.9656	-0.8907611	-0.4544718
		14332.927	728046.867	4363406.711			269.9656		

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 EJE : 3: Alternativa 3

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DATOS DE ENTRADA

Num Eje	P.K. inicial	N.Palabras	Titulo del Eje
3	0.0000	2	Alternativa 3

Tipo	X (L ant)	Y (dL ant)	R	K1	K2	A	L	D	Az	Etq	Clave
FIJA-2P+R	735723.046875	4371616.968750	-5000.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0	0
	735348.914063	4371095.515625									
FLOTANTE	0.000000	0.000000	-800.000000	280.000000	280.000000	280.000000	0.000000	0.000000	0.000000	0	8
FIJA-2P+R	735643.664063	4369808.031250	800.000000	280.000000	280.000000	280.000000	0.000000	0.000000	0.000000	0	0
	735738.617188	4368503.250000									
FLOTANTE	0.000000	0.000000	-900.000000	280.000000	310.000000	280.000000	0.000000	0.000000	0.000000	0	8
RETROGIRAT	735253.992188	4368014.978516	0.000000	310.000000	310.000000	310.000000	0.000000	0.000000	0.000000	0	8
FIJA-2P+R	735017.689453	4365917.332031	1500.000000	500.000000	500.000000	500.000000	0.000000	0.000000	0.000000	0	0
	734701.260540	4365281.444460									
FLOTANTE	0.000000	0.000000	0.000000	500.000000	500.000000	500.000000	0.000000	0.000000	0.000000	0	8
FIJA-2P+R	733718.019531	4364575.958984	3000.000000	1000.000000	1000.000000	1000.000000	0.000000	0.000000	0.000000	0	0
	732135.772427	4364070.941302									
GIRATORIA	730408.695313	4364060.500000	-10000.000000	1000.000000	0.000000	1000.000000	0.000000	0.000000	0.000000	0	8
FLOTANTE	0.000000	0.000000	10000.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0	8
RETROGIRAT	729450.312500	4364008.523438	-1000.000000	0.000000	335.000000	335.000000	0.000000	0.000000	0.000000	0	8
FIJA-2P+R	728875.101563	4363829.281250	0.000000	335.000000	335.000000	335.000000	0.000000	0.000000	0.000000	0	0
	728046.867188	4363406.710938									

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 PROYECTO :
 EJE : 4: Alternativa 4

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*** LISTADO DE LAS ALINEACIONES ***

DATO TIPO	LONGITUD	P.K.	X TANGENCIA	Y TANGENCIA	RADIO	PARAMETRO	AZIMUT	Cos/Xc/Xinf	Sen/Yc/Yinf
1 CIRC.	765.731	0.000	735723.047	4371616.969	-5000.000		243.7094	739590.124	4368447.471
CLOT.	82.320	765.731	735284.806	4370989.957		280.000	233.9598	735292.793	4371003.450
2 CIRC.	1162.718	848.051	735244.568	4370918.156	-800.000		230.1603	735956.456	4370553.170
CLOT.	98.000	2010.769	735510.600	4369888.932		280.000	137.6341	735594.117	4369837.691
CLOT.	98.000	2108.769	735594.117	4369837.691		280.000	133.7348	735594.117	4369837.691
3 CIRC.	1610.166	2206.769	735677.634	4369786.449	800.000		137.6341	735231.777	4369122.211
CLOT.	98.000	3816.935	735641.527	4368435.112		280.000	265.7671	735555.393	4368388.404
CLOT.	106.778	3914.935	735555.393	4368388.404		310.000	269.6664	-0.8886151	-0.4586537
4 RECTA	234.825	3914.935	735555.393	4368388.404			269.6664	735346.724	4368280.700
CLOT.	166.667	4149.760	735346.724	4368280.700		500.000	266.1296	735961.014	4366908.875
5 CIRC.	1148.846	4316.427	735200.082	4368201.539	-1500.000		217.3710	734516.510	4367313.110
CLOT.	48.600	5465.273	734516.510	4367313.110		270.000	214.2771	735235.646	4367099.250
6 CIRC.	111.178	5513.873	734504.428	4367266.041	-750.000		204.8400	734484.623	4367059.085
CLOT.	97.200	5625.051	734484.623	4367156.215		270.000	200.7147	734484.623	4367059.085
CLOT.	97.200	5722.251	734484.623	4367059.085		270.000	204.8400	733733.600	4367018.921
7 CIRC.	116.196	5819.451	734481.433	4366961.956	750.000		214.7031	734437.376	4366753.688
CLOT.	97.200	5935.647	734463.686	4366847.240		270.000	218.8284	-0.2914626	-0.9565822
8 RECTA	1211.226	6032.847	734437.376	4366753.688			218.8284	734084.349	4365595.051
CLOT.	224.450	7244.073	734084.349	4365595.051		670.000	222.4006	732137.474	4366070.941
9 CIRC.	2448.366	7468.523	734014.935	4365381.637	2000.000		300.3345	731902.751	4364080.540
CLOT.	224.450	9916.889	732126.965	4364070.968		670.000	303.9067	731289.466	4354099.363
10 CIRC.	1564.188	10141.339	731902.751	4364080.540	-10000.000		293.9488	729391.291	4374009.083
11 CIRC.	829.557	11705.527	730340.379	4364054.223	10000.000		299.2299	729512.249	4364009.814
CLOT.	112.225	12535.084	729512.249	4364009.814		335.000	295.6577	729468.249	4363008.684
12 CIRC.	347.458	12647.309	729400.093	4364006.359	-1000.000		273.5378	728963.561	4363874.414
CLOT.	112.225	12994.767	729064.449	4363923.532		335.000	269.9656	-0.8907611	-0.4544718
13 RECTA	1029.113	13106.992	728963.561	4363874.414			269.9656		
		14136.105	728046.867	4363406.711			269.9656		

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 PROYECTO :
 EJE : 4: Alternativa 4

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DATOS DE ENTRADA

Num Eje	P.K. inicial	N.Palabras	Titulo del Eje
4	0.0000	2	Alternativa 4

Tipo	X (L ant)	Y (dL ant)	R	K1	K2	A	L	D	Az	Etq	Clave
FIJA-2P+R	735723.046875	4371616.968750	-5000.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0	0
	735348.914063	4371095.515625									
FLOTANTE	0.000000	0.000000	-800.000000	280.000000	280.000000	280.000000	0.000000	0.000000	0.000000	0	8
FIJA-2P+R	735643.664063	4369808.031250	800.000000	280.000000	280.000000	280.000000	0.000000	0.000000	0.000000	0	0

Actualización 2016



Actualización 2019:



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 PROYECTO :
 EJE : 5: Alternativa 5

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*** LISTADO DE LAS ALINEACIONES ***

DATO	TIPO	LONGITUD	P.K.	X TANGENCIA	Y TANGENCIA	RADIO	PARAMETRO	AZIMUT	Cos/Xc/Xinf	Sen/Yc/Yinf
1	CIRC.	1015.679	0.000	733661.635	4371956.396	1200.000		250.3061	732817.196	4372808.995
	CLOT.	133.333	1015.679	732738.282	4371611.592		400.000	304.1895	732605.672	4371625.279
	CLOT.	157.786	1149.012	732605.672	4371625.279		470.000	307.7263	732605.672	4371625.279
2	CIRC.	1618.984	1306.798	732448.738	4371641.434	-1400.000		304.1388	732357.784	4370244.392
	CLOT.	157.786	2925.782	731115.598	4370890.127		470.000	230.5190	731048.141	4370747.513
3	RECTA	950.276	3083.568	731048.141	4370747.513			226.9315	-0.4105341	-0.9118452
	CLOT.	224.450	4033.843	730658.020	4369881.009		670.000	226.9315	730658.020	4369881.009
4	CIRC.	574.224	4258.293	730562.077	4369678.133	2000.000		230.5038	728787.305	4370600.187
	CLOT.	224.450	4832.517	730228.318	4369213.290		670.000	248.7819	730066.756	4369057.528
5	CIRC.	1521.268	5056.967	730066.756	4369057.528	-6000.000		252.3541	734149.645	4364660.937
	CLOT.	106.778	6578.235	729094.462	4367892.828		310.000	236.2130	729094.462	4367892.828
6	CIRC.	544.386	6685.013	729035.188	4367804.033	900.000		239.9895	728306.985	4368332.919
	CLOT.	106.778	7229.398	728605.231	4367483.773		310.000	278.4969	728503.182	4367452.404
	CLOT.	106.778	7336.176	728503.182	4367452.404		310.000	282.2734	728503.182	4367452.404
7	CIRC.	1495.182	7442.954	728401.134	4367421.036	-900.000		278.4969	728699.379	4366571.889
	CLOT.	106.778	8938.136	727880.669	4366198.107		310.000	172.7344	727928.813	4366102.818
	CLOT.	106.778	9044.914	727928.813	4366102.818		310.000	168.9579	727928.813	4366102.818
8	CIRC.	583.431	9151.692	727976.958	4366007.529	900.000		172.7344	727158.247	4365633.746
	CLOT.	106.778	9735.123	728036.561	4365437.367		310.000	214.0037	728009.165	4365334.181
	CLOT.	166.667	9841.901	728009.165	4365334.181		500.000	217.7802	728009.165	4365334.181
9	CIRC.	662.150	10008.567	727966.200	4365173.171	-1500.000		214.2434	729428.813	4364840.362
	CLOT.	166.667	10670.717	727964.218	4364516.387		500.000	186.1409	728006.210	4364355.121
10	RECTA	903.778	11741.162	728250.109	4363484.875			182.6041	0.2698663	-0.9628978

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 PROYECTO :
 EJE : 5: Alternativa 5

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DATOS DE ENTRADA

Num Eje	P.K. inicial	N.Palabras	Titulo del Eje
5	0.0000	2	Alternativa 5

Tipo	X (L ant)	Y (dL ant)	R	K1	K2	A	L	D	Az	Etq	Clave
FIJA-2P+R	733661.634766	4371956.396484	1200.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0	0
	732639.328125	4371622.250000									
FLOTANTE	0.000000	0.000000	-1400.000000	400.000000	470.000000	400.000000	0.000000	0.000000	0.000000	0	8
FIJA-2P+R	731109.062500	4370882.828125	0.000000	470.000000	470.000000	470.000000	0.000000	0.000000	0.000000	0	0
	730532.150391	4369601.437500									
FLOTANTE	0.000000	0.000000	2000.000000	670.000000	670.000000	670.000000	0.000000	0.000000	0.000000	0	8
FIJA-2P+R	729481.046875	4368429.781250	-6000.000000	670.000000	0.000000	670.000000	0.000000	0.000000	0.000000	0	0
	728809.710938	4367396.828125									
FLOTANTE	0.000000	0.000000	900.000000	0.000000	310.000000	310.000000	0.000000	0.000000	0.000000	0	8
FIJA-2P+R	727968.101563	4367096.515625	-900.000000	310.000000	310.000000	310.000000	0.000000	0.000000	0.000000	0	0
	727926.406250	4366110.898438									
GIRATORIA	727814.460938	4365017.804688	900.000000	310.000000	310.000000	310.000000	0.000000	0.000000	0.000000	0	8
FLOTANTE	0.000000	0.000000	-1500.000000	310.000000	500.000000	310.000000	0.000000	0.000000	0.000000	0	8
FIJA-2P+R	727989.406250	4364415.078125	0.000000	500.000000	500.000000	500.000000	0.000000	0.000000	0.000000	0	0
	728250.109375	4363484.875000									

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 PROYECTO :
 EJE : 10: Alternativa 6

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*** LISTADO DE LAS ALINEACIONES ***

DATO	TIPO	LONGITUD	P.K.	X TANGENCIA	Y TANGENCIA	RADIO	PARAMETRO	AZIMUT	Cos/Xc/Xinf	Sen/Yc/Yinf
1	CIRC.	1036.636	0.000	724218.333	4365054.714	-1500.000		357.6173	723038.649	4364128.245
	CLOT.	166.667	1036.636	723357.145	4365594.042		500.000	313.6211	723193.102	4365623.371
2	RECTA	1044.798	1203.303	723193.102	4365623.371			310.0843	-0.9874803	0.1577421
			2248.101	722161.385	4365788.180			310.0843		

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 PROYECTO :
 EJE : 10: Alternativa 6

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DATOS DE ENTRADA

Num Eje	P.K. inicial	N.Palabras	Titulo del Eje
10	0.0000	2	Alternativa 6

Tipo	X (L ant)	Y (dL ant)	R	K1	K2	A	L	D	Az	Etq	Clave
FIJA-2P+R	724218.333371	4365054.713907	-1500.000000	500.000000	500.000000	0.000000	0.000000	0.000000	0.000000	0	0
	723468.542480	4365565.322266									
GIRATORIA	722161.384766	4365788.179688	0.000000	500.000000	500.000000	500.000000	0.000000	0.000000	0.000000	0	8

Actualización 2016

Actualización 2019:



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 PROYECTO :
 EJE : 8: Alternativa 7

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 PROYECTO :
 GRUPO : 1 : Enlace 1
 EJE : 21 : Alternativa 8

*** LISTADO DE LAS ALINEACIONES ***

*** LISTADO DE LAS ALINEACIONES ***

DATO TIPO	LONGITUD	P.K.	X TANGENCIA	Y TANGENCIA	RADIO	PARAMETRO	AZIMUT	Cos/Xc/Xinf	Sen/Yc/Yinf
1 RECTA	453.417	0.000	728235.624	4363498.152			264.4132	-0.8477876	-0.5303359
CLOT.	278.890	453.417	727851.223	4363257.689		835.000	264.4132	727851.223	4363257.689
2 CIRC.	885.324	732.307	727612.108	4363114.225	2500.000		267.9641	726406.489	4365304.312
CLOT.	278.890	1617.631	726777.832	4362832.045		835.000	290.5087	726500.724	4362800.906
3 RECTA	1137.592	1896.521	726500.724	4362800.906			294.0596	-0.9956497	-0.0931757
CLOT.	224.450	3034.113	725368.082	4362694.910		670.000	294.0596	725368.082	4362694.910
4 CIRC.	808.483	3258.563	725144.287	4362678.182	2000.000		297.6319	725069.908	4364676.798
CLOT.	224.450	4067.046	724352.194	4362810.013		670.000	323.3667	724145.881	4362898.325
CLOT.	224.450	4291.496	724145.881	4362898.325		670.000	326.9389	724145.881	4362898.325
5 CIRC.	440.730	4515.946	723939.569	4362986.638	-2000.000		323.3667	723221.855	4361119.852
CLOT.	224.450	4956.676	723514.161	4363098.376		670.000	309.3378	723291.081	4363122.850
CLOT.	333.333	5181.126	723291.081	4363122.850		1000.000	305.7656	723291.081	4363122.850
6 CIRC.	1054.786	5514.459	722959.774	4363159.134	3000.000		309.3024	723396.580	4366127.164
CLOT.	333.333	6569.245	721964.318	4363491.139		1000.000	331.6856	721677.560	4363660.992
7 RECTA	672.209	6902.579	721677.560	4363660.992			335.2224	-0.8508096	0.5254740
		7574.788	721105.638	4364014.220			335.2224		

DATO TIPO	LONGITUD	P.K.	X TANGENCIA	Y TANGENCIA	RADIO	PARAMETRO	AZIMUT	Cos/Xc/Xinf	Sen/Yc/Yinf
1 CIRC.	762.060	0.000	735599.937	4371403.502	-5000.000		243.7096	739467.004	4368233.992
CLOT.	88.305	762.060	735163.562	4370779.653		290.000	234.0067	735172.142	4370794.120
2 CIRC.	1152.683	850.365	735120.470	4370702.594	-800.000		229.9310	735833.668	4370340.175
CLOT.	105.125	2003.048	735381.890	4369679.950		290.000	138.2034	735471.147	4369624.450
CLOT.	105.125	2108.173	735471.147	4369624.450		290.000	134.0206	735471.147	4369624.450
3 CIRC.	1490.917	2213.298	735560.403	4369568.950	800.000		138.2034	735108.625	4368908.726
CLOT.	105.125	3704.215	735610.320	4368285.587		290.000	256.8468	735525.643	4368223.322
CLOT.	106.778	3809.340	735525.643	4368223.322		310.000	261.0296	735525.643	4368223.322
4 CIRC.	659.647	3916.118	735439.498	4368160.259	-900.000		257.2531	735999.419	4367455.639
CLOT.	106.778	4575.765	735111.849	4367604.699		310.000	210.5926	735098.344	4367498.796
5 RECTA	381.572	4682.543	735098.344	4367498.796			206.8162	-0.1068634	-0.9942737
CLOT.	124.455	5064.115	735057.568	4367119.409		370.000	206.8162	735057.568	4367119.409
6 CIRC.	1619.502	5188.570	735041.939	4366995.957	1100.000		210.4175	733956.634	4367175.157
CLOT.	124.455	6808.072	733885.056	4366077.488		370.000	304.1455	733761.277	4366090.261
7 RECTA	1301.482	6932.526	733761.277	4366090.261			307.7468	-0.9926053	0.1213868
CLOT.	105.125	8234.009	732469.419	4366248.244		290.000	307.7468	732469.419	4366248.244
8 CIRC.	1074.049	8339.134	732364.837	4366258.715	-800.000		303.5640	732320.073	4365459.968
CLOT.	105.125	9413.183	731552.168	4365684.294		290.000	218.0939	731527.142	4365582.212
CLOT.	105.125	9518.308	731527.142	4365582.212		290.000	213.9111	731527.142	4365582.212
9 CIRC.	574.793	9623.433	731502.116	4365480.130	800.000		218.0939	730734.211	4365704.456
CLOT.	105.125	10198.226	731164.627	4365030.111		290.000	263.8345	731073.640	4364977.496
CLOT.	105.125	10303.351	731073.640	4364977.496		290.000	268.0173	731073.640	4364977.496
10 CIRC.	375.935	10408.476	730982.652	4364924.881	-800.000		263.8345	731413.068	4364250.535
CLOT.	105.125	10784.411	730723.954	4364656.887		290.000	233.9185	730674.583	4364564.100
CLOT.	112.225	10889.536	730674.583	4364564.100		335.000	229.7358	730674.583	4364564.100
11 CIRC.	758.788	11001.761	730622.191	4364464.873	1000.000		233.3080	729755.967	4364964.528
CLOT.	112.225	11760.549	730040.777	4364005.944		335.000	281.6139	729932.095	4363978.031
12 RECTA	724.436	11872.774	729932.095	4363978.031			285.1861	-0.9730484	-0.2306011
CLOT.	112.225	12597.210	729227.184	4363810.975		335.000	285.1861	729227.184	4363810.975
13 CIRC.	126.481	12709.435	729118.501	4363783.062	-1000.000		281.6139	729403.311	4362824.478
CLOT.	112.225	12835.916	728999.857	4363739.477		335.000	273.5619	728898.950	4363690.398
14 RECTA	1093.912	12948.141	728898.950	4363690.398			269.9897	-0.8909327	-0.4541353
		14042.052	727924.349	4363193.614			269.9897		

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 PROYECTO :
 EJE : 8: Alternativa 7

DATOS DE ENTRADA

Num Eje	P.K. inicial	N.Palabras	Titulo del Eje
8	0.0000	2	Alternativa 7

Tipo	X (L ant)	Y (dL ant)	R	K1	K2	A	L	D	Az	Etq	Clave
FIJA-2P+R	728235.624453	4363498.152334	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0	0
	727927.572695	4363305.449697									
FLOTANTE	0.000000	0.000000	2500.000000	835.000000	835.000000	835.000000	0.000000	0.000000	0.000000	0	8
FIJA-2P+R	726387.510684	4362790.310781	0.000000	835.000000	835.000000	835.000000	0.000000	0.000000	0.000000	0	0
	725241.249941	4362683.040518									
FLOTANTE	0.000000	0.000000	2000.000000	670.000000	670.000000	670.000000	0.000000	0.000000	0.000000	0	8
FIJA-2P+R	723731.785586	4363053.752920	-2000.000000	670.000000	670.000000	670.000000	0.000000	0.000000	0.000000	0	0
	723394.068301	4363112.424307									
FLOTANTE	0.000000	0.000000	3000.000000	670.000000	1000.000000	670.000000	0.000000	0.000000	0.000000	0	8
FIJA-2P+R	721557.031191	4363735.432363	0.000000	1000.000000	1000.000000	1000.000000	0.000000	0.000000	0.000000	0	0
	721105.637637	4364014.220449									

EJES EN PLANTA

Num Eje	P.K. inicial	N.Palabras	Titulo del Eje
EJE 21	0.000000	4	Alternativa 8 (8 prima)
REV	1904		
ALIAS4	N-634		
GRUPO	1		
TIPOL	401		
CM	2		
CAR	1		
VD	120.000		
MD	0		
RV	19.05 1194		
VU	0 80.000		
DPT	1		
DAT	1		
UNI			
DIP	ES_31_IC_rev2018.dip		
DIA	ES_31_IC_rev2018.dia		
NCE	2.000		
ACE	3.500		

Actualización 2016

Actualización 2019:



#	Tipo	clave	X (L ant)	Y (dL ant)	R	A1	A2	A	L	D	Az	Etiq	Peralte
ALI FIJA-2P+R	0	735599.937306	4371403.502430	-5000.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0	0.000 0 0
ALI GIRATORIA	8	735057.693013	4370145.591132	-800.000000	290.000000	290.000000	290.000000	0.000000	0.000000	0.000000	0.000000	0	0.000 0 0
ALI GIRATORIA	8	735863.465736	4369173.708126	800.000000	290.000000	290.000000	290.000000	0.000000	0.000000	0.000000	0.000000	0	0.000 0 0
ALI GIRATORIA	8	735120.591862	4367649.706820	-900.000000	290.000000	310.000000	290.000000	0.000000	0.000000	0.000000	0.000000	0	0.000 0 0
ALI GIRATORIA	8	735082.852401	4367354.662954	0.000000	310.000000	310.000000	310.000000	0.000000	0.000000	0.000000	0.000000	0	0.000 0 0
ALI FLOTANTE	8	0.000000	0.000000	1100.000000	370.000000	370.000000	370.000000	0.000000	0.000000	0.000000	0.000000	0	0.000 0 0
ALI FIJA-2P+R	0	733729.841346	4366094.105787	0.000000	370.000000	370.000000	370.000000	0.000000	0.000000	0.000000	0.000000	0	0.000 0 0
ALI GIRATORIA	8	733587.777365	4366111.478942	-800.000000	290.000000	290.000000	290.000000	0.000000	0.000000	0.000000	0.000000	0	0.000 0 0
ALI GIRATORIA	8	731923.155548	4366154.559135	-800.000000	290.000000	290.000000	290.000000	0.000000	0.000000	0.000000	0.000000	0	0.000 0 0
ALI GIRATORIA	8	731332.633277	4365173.522264	800.000000	290.000000	290.000000	290.000000	0.000000	0.000000	0.000000	0.000000	0	0.000 0 0
ALI GIRATORIA	8	730770.165095	4364726.639966	-800.000000	290.000000	290.000000	290.000000	0.000000	0.000000	0.000000	0.000000	0	0.000 0 0
ALI FLOTANTE	8	0.000000	0.000000	1000.000000	290.000000	335.000000	290.000000	0.000000	0.000000	0.000000	0.000000	0	0.000 0 0
ALI FIJA-2P+R	0	729756.898699	4363936.511109	0.000000	335.000000	335.000000	335.000000	0.000000	0.000000	0.000000	0.000000	0	0.000 0 0
ALI FLOTANTE	8	729325.980571	4363834.388522	-1000.000000	335.000000	335.000000	335.000000	0.000000	0.000000	0.000000	0.000000	0	0.000 0 0
ALI FIJA-2P+R	0	728736.074561	4363607.375078	0.000000	335.000000	335.000000	335.000000	0.000000	0.000000	0.000000	0.000000	0	0.000 0 0
		727924.348814	4363193.613996										

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 PROYECTO :
 GRUPO : 1 : Enlace 1
 EJE : 19 : Alternativa 9

pagina 1

 * * * LISTADO DE LAS ALINEACIONES * * *

DATO	TIPO	LONGITUD	P.K.	X TANGENCIA	Y TANGENCIA	RADIO	PARAMETRO	AZIMUT	Cos/Xc/Xinf	Sen/Yc/Yinf
1	RECTA	865.315	0.000	736880.618	4371148.339			262.2587	-0.8293581	-0.5587175
	CLOT.	112.225	865.315	736162.962	4370664.872		335.000	262.2587	736162.962	4370664.872
2	CIRC.	1324.464	977.540	736071.089	4370600.450	-1000.000		258.6865	736675.440	4369803.731
	CLOT.	112.225	2302.004	735755.402	4369411.902		335.000	174.3685	735803.199	4369310.382
	CLOT.	105.125	2414.229	735803.199	4369310.382		290.000	170.7963	735803.199	4369310.382
3	CIRC.	1028.801	2519.354	735847.666	4369215.147	800.000		174.9791	735108.663	4368908.757
	CLOT.	105.125	3548.156	735610.342	4368285.605		290.000	256.8485	735525.664	4368223.342
	CLOT.	106.778	3653.281	735525.664	4368223.342		310.000	261.0313	735525.664	4368223.342
4	CIRC.	659.670	3760.058	735439.517	4368160.282	-900.000		257.2548	735999.420	4367455.648
	CLOT.	106.778	4419.729	735111.850	4367604.708		310.000	210.5926	735098.345	4367498.804
5	RECTA	280.427	4526.506	735098.345	4367498.804			206.8162	-0.1068634	-0.9942737
	CLOT.	112.225	4806.933	735068.377	4367219.983		335.000	206.8162	735068.377	4367219.983
6	CIRC.	822.026	4919.158	735054.302	4367108.660	1000.000		210.3884	734067.586	4367271.117
	CLOT.	112.225	5741.184	734620.277	4366437.731		335.000	262.7202	734524.509	4366379.255
	CLOT.	105.125	5853.409	734524.509	4366379.255		290.000	266.2924	734524.509	4366379.255
7	CIRC.	491.324	5958.534	734434.981	4366324.195	-800.000		262.1096	734883.507	4365661.757
	CLOT.	105.125	6449.859	734135.202	4365944.669		290.000	223.0113	734102.373	4365844.823
8	RECTA	484.210	6554.984	734102.373	4365844.823			218.8285	-0.2914643	-0.9565817
	CLOT.	224.450	7039.194	733961.243	4365381.636		670.000	218.8285	733961.243	4365381.636
9	CIRC.	2448.372	7263.644	733891.830	4365168.222	2000.000		222.4407	732014.370	4365857.529
	CLOT.	224.450	9712.016	732003.852	4363857.557		670.000	300.3348	731779.637	4363867.130
10	CIRC.	1564.237	9936.466	731779.637	4363867.130	-10000.000		303.9070	731166.306	4353885.956

11 CIRC.	830.433	11500.703	730217.216	4363840.816	10000.000								293.9488	729268.126	
4373795.675															
CLOT.	112.225	12331.135	729388.211	4363796.396									335.000	299.2355	729388.211
4363796.396															
12 CIRC.	352.198	12443.360	729276.055	4363792.951	-1000.000									295.6633	729344.124
4362795.270															
CLOT.	112.225	12795.558	728936.072	4363708.229									335.000	273.2416	728835.413
4363658.642															
13 RECTA	1014.629	12907.783	728835.413	4363658.642										269.6694	-0.8886370
0.4586112															
		13922.412	727933.776	4363193.322										269.6694	

EJES EN PLANTA

#	Num Eje	P.K. inicial	N.Palabras	Titulo del Eje
EJE	19	0.000000	4	Alternativa 9 (8 C)
REV	1904			
ALIAS4	N-634			
GRUPO	1			
TIPOL	401			
CM	2			
CAR	1			
VD	120.000			
MD	0			
RV	19.05 1194			
VU	0 80.000			
DPT	1			
DAT	1			
DIP	ES_31_IC_rev2018.dip			
DIA	ES_31_IC_rev2018.dia			
NCE	2.000			
ACE	3.500			

#	Tipo	clave	X (L ant)	Y (dL ant)	R	A1	A2	A	L	D	Az	Etiq	Peralte
ALI FIJA-2P+R	0	736880.618377	4371148.339142	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0	0.000 0 0
ALI FLOTANTE	8	736085.819564	4370612.903374	-1000.000000	335.000000	335.000000	335.000000	0.000000	0.000000	0.000000	0.000000	0	0.000 0 0
ALI FIJA-2P+R	0	735520.554644	4369594.574607	800.000000	335.000000	290.000000	335.000000	0.000000	0.000000	0.000000	0.000000	0	0.000 0 0
ALI FLOTANTE	8	735615.504898	4368289.797201	-900.000000	290.000000	310.000000	290.000000	0.000000	0.000000	0.000000	0.000000	0	0.000 0 0
ALI FIJA-2P+R	0	735084.235899	4367367.535230	0.000000	310.000000	310.000000	310.000000	0.000000	0.000000	0.000000	0.000000	0	0.000 0 0
ALI GIRATORIA	8	735078.144441	4367310.859362	1000.000000	335.000000	335.000000	335.000000	0.000000	0.000000	0.000000	0.000000	0	0.000 0 0
ALI FLOTANTE	8	734862.192883	4366663.993164	-800.000000	335.000000	290.000000	335.000000	0.000000	0.000000	0.000000	0.000000	0	0.000 0 0
ALI FIJA-2P+R	0	734043.905109	4365652.930593	0.000000	290.000000	290.000000	290.000000	0.000000	0.000000	0.000000	0.000000	0	0.000 0 0
ALI GIRATORIA	8	733992.771077	4365485.109395	2000.000000	670.000000	670.000000	670.000000	0.000000	0.000000	0.000000	0.000000	0	0.000 0 0
ALI GIRATORIA	8	731531.504345	4363879.285439	-10000.000000	670.000000	0.000000	670.000000	0.000000	0.000000	0.000000	0.000000	0	0.000 0 0
ALI FLOTANTE	8	0.000000	0.000000	10000.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0	0.000 0 0
ALI FIJA-2P+R	0	729191.954986	4363783.624568	-1000.000000	0.000000	335.000000	335.000000	0.000000	0.000000	0.000000	0.000000	0	0.000 0 0
ALI GIRATORIA	8	728994.822778	4363732.280672	0.000000	335.000000	335.000000	335.000000	0.000000	0.000000	0.000000	0.000000	0	0.000 0 0

Actualización 2016



Actualización 2019:



LISTADOS DEL TRAZADO EN ALZADO

Actualización 2016

Actualización 2019:

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 PROYECTO :
 EJE : 1: Alternativa 1

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*** ESTADO DE RASANTES ***

PENDIENTE (°)	LONGITUD (m)	PARAMETRO (kv)	VERTICE		ENTRADA AL ACUERDO		SALIDA DEL ACUERDO		BISECT. DIF. PEN	
			p.k.	cota	p.k.	cota	p.k.	cota	(m)	(%)
					0.000	395.735				
-0.500000	500.000	20000.000	1861.177	386.430	1611.177	387.680	2111.177	391.430	1.562	2.500
2.000000	279.000	31000.000	3219.021	413.586	3079.521	410.796	3358.521	415.121	0.314	-0.900
1.100000	558.000	31000.000	4880.078	431.858	4601.078	428.789	5159.078	429.905	1.256	-1.800
-0.700000	205.000	10000.000	5328.713	428.718	5226.213	429.435	5431.213	430.101	0.525	2.050
1.350000	697.500	31000.000	5841.527	435.641	5492.777	430.933	6190.277	432.502	1.962	-2.250
-0.900000	510.000	15000.000	7991.226	416.293	7736.226	418.588	8246.226	422.668	2.168	3.400
2.500000	640.000	16000.000	8655.739	432.906	8335.739	424.906	8975.739	428.106	3.200	-4.000
-1.500000	465.000	31000.000	10064.749	411.771	9832.249	415.259	10297.249	404.796	0.872	-1.500
-3.000000	500.000	10000.000	10607.972	395.474	10357.972	402.974	10857.972	400.474	3.125	5.000
2.000000	400.000	16000.000	11232.795	407.971	11032.795	403.971	11432.795	406.971	1.250	-2.500
-0.500000	400.000	40000.000	12593.477	401.167	12393.477	402.167	12793.477	402.167	0.500	1.000
0.500000							13960.000	408.000		

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 PROYECTO :
 EJE : 1: Alternativa 1

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
0.000	Pendiente	395.735	-0.5000 %
20.000	Pendiente	395.635	-0.5000 %
40.000	Pendiente	395.535	-0.5000 %
60.000	Pendiente	395.435	-0.5000 %
80.000	Pendiente	395.335	-0.5000 %
100.000	Pendiente	395.235	-0.5000 %
120.000	Pendiente	395.135	-0.5000 %
140.000	Pendiente	395.035	-0.5000 %
160.000	Pendiente	394.935	-0.5000 %
180.000	Pendiente	394.835	-0.5000 %
200.000	Pendiente	394.735	-0.5000 %
220.000	Pendiente	394.635	-0.5000 %
240.000	Pendiente	394.535	-0.5000 %
260.000	Pendiente	394.435	-0.5000 %
280.000	Pendiente	394.335	-0.5000 %
300.000	Pendiente	394.235	-0.5000 %
320.000	Pendiente	394.135	-0.5000 %
340.000	Pendiente	394.035	-0.5000 %
360.000	Pendiente	393.935	-0.5000 %
380.000	Pendiente	393.835	-0.5000 %
400.000	Pendiente	393.735	-0.5000 %
420.000	Pendiente	393.635	-0.5000 %
440.000	Pendiente	393.535	-0.5000 %
460.000	Pendiente	393.435	-0.5000 %
480.000	Pendiente	393.335	-0.5000 %
500.000	Pendiente	393.235	-0.5000 %
520.000	Pendiente	393.135	-0.5000 %
540.000	Pendiente	393.035	-0.5000 %
560.000	Pendiente	392.935	-0.5000 %
580.000	Pendiente	392.835	-0.5000 %
600.000	Pendiente	392.735	-0.5000 %
620.000	Pendiente	392.635	-0.5000 %
640.000	Pendiente	392.535	-0.5000 %
660.000	Pendiente	392.435	-0.5000 %
680.000	Pendiente	392.335	-0.5000 %
700.000	Pendiente	392.235	-0.5000 %
720.000	Pendiente	392.135	-0.5000 %
740.000	Pendiente	392.035	-0.5000 %

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 PROYECTO :
 EJE : 1: Alternativa 1

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
760.000	Pendiente	391.935	-0.5000 %
780.000	Pendiente	391.835	-0.5000 %
800.000	Pendiente	391.735	-0.5000 %
820.000	Pendiente	391.635	-0.5000 %
840.000	Pendiente	391.535	-0.5000 %
860.000	Pendiente	391.435	-0.5000 %
880.000	Pendiente	391.335	-0.5000 %
900.000	Pendiente	391.235	-0.5000 %
920.000	Pendiente	391.135	-0.5000 %
940.000	Pendiente	391.035	-0.5000 %
960.000	Pendiente	390.935	-0.5000 %
980.000	Pendiente	390.835	-0.5000 %
1000.000	Pendiente	390.735	-0.5000 %
1020.000	Pendiente	390.635	-0.5000 %
1040.000	Pendiente	390.535	-0.5000 %
1060.000	Pendiente	390.435	-0.5000 %
1080.000	Pendiente	390.335	-0.5000 %
1100.000	Pendiente	390.235	-0.5000 %
1120.000	Pendiente	390.135	-0.5000 %
1140.000	Pendiente	390.035	-0.5000 %
1160.000	Pendiente	389.935	-0.5000 %
1180.000	Pendiente	389.835	-0.5000 %
1200.000	Pendiente	389.735	-0.5000 %
1220.000	Pendiente	389.635	-0.5000 %
1240.000	Pendiente	389.535	-0.5000 %
1260.000	Pendiente	389.435	-0.5000 %
1280.000	Pendiente	389.335	-0.5000 %
1300.000	Pendiente	389.235	-0.5000 %
1320.000	Pendiente	389.135	-0.5000 %
1340.000	Pendiente	389.035	-0.5000 %
1360.000	Pendiente	388.935	-0.5000 %
1380.000	Pendiente	388.835	-0.5000 %
1400.000	Pendiente	388.735	-0.5000 %
1420.000	Pendiente	388.635	-0.5000 %
1440.000	Pendiente	388.535	-0.5000 %
1460.000	Pendiente	388.435	-0.5000 %
1480.000	Pendiente	388.335	-0.5000 %
1500.000	Pendiente	388.235	-0.5000 %

Actualización 2016

Actualización 2019:



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 PROYECTO :
 EJE : 1: Alternativa 1

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
1520.000	Pendiente	388.135	-0.5000 %
1540.000	Pendiente	388.035	-0.5000 %
1560.000	Pendiente	387.935	-0.5000 %
1580.000	Pendiente	387.835	-0.5000 %
1600.000	Pendiente	387.735	-0.5000 %
1611.177	tg. entrada	387.680	-0.5000 %
1620.000	KV 20000	387.637	-0.4559 %
1640.000	KV 20000	387.556	-0.3559 %
1660.000	KV 20000	387.495	-0.2559 %
1680.000	KV 20000	387.454	-0.1559 %
1700.000	KV 20000	387.433	-0.0559 %
1711.177	Punto Bajo	387.430	0.0000 %
1720.000	KV 20000	387.432	0.0441 %
1740.000	KV 20000	387.450	0.1441 %
1760.000	KV 20000	387.489	0.2441 %
1780.000	KV 20000	387.548	0.3441 %
1800.000	KV 20000	387.627	0.4441 %
1820.000	KV 20000	387.726	0.5441 %
1840.000	KV 20000	387.844	0.6441 %
1860.000	KV 20000	387.983	0.7441 %
1880.000	KV 20000	388.142	0.8441 %
1900.000	KV 20000	388.321	0.9441 %
1920.000	KV 20000	388.520	1.0441 %
1940.000	KV 20000	388.739	1.1441 %
1960.000	KV 20000	388.977	1.2441 %
1980.000	KV 20000	389.236	1.3441 %
2000.000	KV 20000	389.515	1.4441 %
2020.000	KV 20000	389.814	1.5441 %
2040.000	KV 20000	390.133	1.6441 %
2060.000	KV 20000	390.472	1.7441 %
2080.000	KV 20000	390.830	1.8441 %
2100.000	KV 20000	391.209	1.9441 %
2111.177	tg. salida	391.430	2.0000 %
2120.000	Rampa	391.606	2.0000 %
2140.000	Rampa	392.006	2.0000 %
2160.000	Rampa	392.406	2.0000 %
2180.000	Rampa	392.806	2.0000 %
2200.000	Rampa	393.206	2.0000 %

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 PROYECTO :
 EJE : 1: Alternativa 1

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
2220.000	Rampa	393.606	2.0000 %
2240.000	Rampa	394.006	2.0000 %
2260.000	Rampa	394.406	2.0000 %
2280.000	Rampa	394.806	2.0000 %
2300.000	Rampa	395.206	2.0000 %
2320.000	Rampa	395.606	2.0000 %
2340.000	Rampa	396.006	2.0000 %
2360.000	Rampa	396.406	2.0000 %
2380.000	Rampa	396.806	2.0000 %
2400.000	Rampa	397.206	2.0000 %
2420.000	Rampa	397.606	2.0000 %
2440.000	Rampa	398.006	2.0000 %
2460.000	Rampa	398.406	2.0000 %
2480.000	Rampa	398.806	2.0000 %
2500.000	Rampa	399.206	2.0000 %
2520.000	Rampa	399.606	2.0000 %
2540.000	Rampa	400.006	2.0000 %
2560.000	Rampa	400.406	2.0000 %
2580.000	Rampa	400.806	2.0000 %
2600.000	Rampa	401.206	2.0000 %
2620.000	Rampa	401.606	2.0000 %
2640.000	Rampa	402.006	2.0000 %
2660.000	Rampa	402.406	2.0000 %
2680.000	Rampa	402.806	2.0000 %
2700.000	Rampa	403.206	2.0000 %
2720.000	Rampa	403.606	2.0000 %
2740.000	Rampa	404.006	2.0000 %
2760.000	Rampa	404.406	2.0000 %
2780.000	Rampa	404.806	2.0000 %
2800.000	Rampa	405.206	2.0000 %
2820.000	Rampa	405.606	2.0000 %
2840.000	Rampa	406.006	2.0000 %
2860.000	Rampa	406.406	2.0000 %
2880.000	Rampa	406.806	2.0000 %
2900.000	Rampa	407.206	2.0000 %
2920.000	Rampa	407.606	2.0000 %
2940.000	Rampa	408.006	2.0000 %
2960.000	Rampa	408.406	2.0000 %

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 PROYECTO :
 EJE : 1: Alternativa 1

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
2980.000	Rampa	408.806	2.0000 %
3000.000	Rampa	409.206	2.0000 %
3020.000	Rampa	409.606	2.0000 %
3040.000	Rampa	410.006	2.0000 %
3060.000	Rampa	410.406	2.0000 %
3079.521	tg. entrada	410.796	2.0000 %
3080.000	KV -31000	410.806	1.9985 %
3100.000	KV -31000	411.199	1.9339 %
3120.000	KV -31000	411.580	1.8694 %
3140.000	KV -31000	411.947	1.8049 %
3160.000	KV -31000	412.302	1.7404 %
3180.000	KV -31000	412.643	1.6759 %
3200.000	KV -31000	412.972	1.6114 %
3220.000	KV -31000	413.288	1.5468 %
3240.000	KV -31000	413.591	1.4823 %
3260.000	KV -31000	413.881	1.4178 %
3280.000	KV -31000	414.158	1.3533 %
3300.000	KV -31000	414.422	1.2888 %
3320.000	KV -31000	414.673	1.2243 %
3340.000	KV -31000	414.912	1.1597 %
3358.521	tg. salida	415.121	1.1000 %
3360.000	Rampa	415.137	1.1000 %
3380.000	Rampa	415.357	1.1000 %
3400.000	Rampa	415.577	1.1000 %
3420.000	Rampa	415.797	1.1000 %
3440.000	Rampa	416.017	1.1000 %
3460.000	Rampa	416.237	1.1000 %
3480.000	Rampa	416.457	1.1000 %
3500.000	Rampa	416.677	1.1000 %
3520.000	Rampa	416.897	1.1000 %
3540.000	Rampa	417.117	1.1000 %
3560.000	Rampa	417.337	1.1000 %
3580.000	Rampa	417.557	1.1000 %
3600.000	Rampa	417.777	1.1000 %
3620.000	Rampa	417.997	1.1000 %
3640.000	Rampa	418.217	1.1000 %
3660.000	Rampa	418.437	1.1000 %
3680.000	Rampa	418.657	1.1000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
3700.000	Rampa	418.877	1.1000 %
3720.000	Rampa	419.097	1.1000 %
3740.000	Rampa	419.317	1.1000 %
3760.000	Rampa	419.537	1.1000 %
3780.000	Rampa	419.757	1.1000 %
3800.000	Rampa	419.977	1.1000 %
3820.000	Rampa	420.197	1.1000 %
3840.000	Rampa	420.417	1.1000 %
3860.000	Rampa	420.637	1.1000 %
3880.000	Rampa	420.857	1.1000 %
3900.000	Rampa	421.077	1.1000 %
3920.000	Rampa	421.297	1.1000 %
3940.000	Rampa	421.517	1.1000 %
3960.000	Rampa	421.737	1.1000 %
3980.000	Rampa	421.957	1.1000 %
4000.000	Rampa	422.177	1.1000 %
4020.000	Rampa	422.397	1.1000 %
4040.000	Rampa	422.617	1.1000 %
4060.000	Rampa	422.837	1.1000 %
4080.000	Rampa	423.057	1.1000 %
4100.000	Rampa	423.277	1.1000 %
4120.000	Rampa	423.497	1.1000 %
4140.000	Rampa	423.717	1.1000 %
4160.000	Rampa	423.937	1.1000 %
4180.000	Rampa	424.157	1.1000 %
4200.000	Rampa	424.377	1.1000 %
4220.000	Rampa	424.597	1.1000 %
4240.000	Rampa	424.817	1.1000 %
4260.000	Rampa	425.037	1.1000 %
4280.000	Rampa	425.257	1.1000 %
4300.000	Rampa	425.477	1.1000 %
4320.000	Rampa	425.697	1.1000 %
4340.000	Rampa	425.917	1.1000 %
4360.000	Rampa	426.137	1.1000 %
4380.000	Rampa	426.357	1.1000 %
4400.000	Rampa	426.577	1.1000 %
4420.000	Rampa	426.797	1.1000 %
4440.000	Rampa	427.017	1.1000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
4460.000	Rampa	427.237	1.1000 %
4480.000	Rampa	427.457	1.1000 %
4500.000	Rampa	427.677	1.1000 %
4520.000	Rampa	427.897	1.1000 %
4540.000	Rampa	428.117	1.1000 %
4560.000	Rampa	428.337	1.1000 %
4580.000	Rampa	428.557	1.1000 %
4600.000	Rampa	428.777	1.1000 %
4601.078	tg. entrada	428.789	1.1000 %
4620.000	KV -31000	428.991	1.0390 %
4640.000	KV -31000	429.193	0.9744 %
4660.000	KV -31000	429.381	0.9099 %
4680.000	KV -31000	429.557	0.8454 %
4700.000	KV -31000	429.719	0.7809 %
4720.000	KV -31000	429.869	0.7164 %
4740.000	KV -31000	430.006	0.6519 %
4760.000	KV -31000	430.130	0.5873 %
4780.000	KV -31000	430.241	0.5228 %
4800.000	KV -31000	430.339	0.4583 %
4820.000	KV -31000	430.424	0.3938 %
4840.000	KV -31000	430.497	0.3293 %
4860.000	KV -31000	430.556	0.2648 %
4880.000	KV -31000	430.602	0.2003 %
4900.000	KV -31000	430.636	0.1357 %
4920.000	KV -31000	430.657	0.0712 %
4940.000	KV -31000	430.665	0.0067 %
4942.078	Punto Alto	430.665	0.0000 %
4960.000	KV -31000	430.659	-0.0578 %
4980.000	KV -31000	430.641	-0.1223 %
5000.000	KV -31000	430.610	-0.1868 %
5020.000	KV -31000	430.567	-0.2514 %
5040.000	KV -31000	430.510	-0.3159 %
5060.000	KV -31000	430.440	-0.3804 %
5080.000	KV -31000	430.358	-0.4449 %
5100.000	KV -31000	430.262	-0.5094 %
5120.000	KV -31000	430.154	-0.5739 %
5140.000	KV -31000	430.033	-0.6385 %
5159.078	tg. salida	429.905	-0.7000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
5160.000	Pendiente	429.899	-0.7000 %
5180.000	Pendiente	429.759	-0.7000 %
5200.000	Pendiente	429.619	-0.7000 %
5220.000	Pendiente	429.479	-0.7000 %
5226.213	tg. entrada	429.435	-0.7000 %
5240.000	KV 10000	429.348	-0.5621 %
5260.000	KV 10000	429.256	-0.3621 %
5280.000	KV 10000	429.203	-0.1621 %
5296.213	Punto Bajo	429.190	0.0000 %
5300.000	KV 10000	429.191	0.0379 %
5320.000	KV 10000	429.218	0.2379 %
5340.000	KV 10000	429.286	0.4379 %
5360.000	KV 10000	429.394	0.6379 %
5380.000	KV 10000	429.541	0.8379 %
5400.000	KV 10000	429.729	1.0379 %
5420.000	KV 10000	429.956	1.2379 %
5431.213	tg. salida	430.101	1.3500 %
5440.000	Rampa	430.220	1.3500 %
5460.000	Rampa	430.490	1.3500 %
5480.000	Rampa	430.760	1.3500 %
5492.777	tg. entrada	430.933	1.3500 %
5500.000	KV -31000	431.029	1.3267 %
5520.000	KV -31000	431.288	1.2622 %
5540.000	KV -31000	431.534	1.1977 %
5560.000	KV -31000	431.767	1.1332 %
5580.000	KV -31000	431.987	1.0686 %
5600.000	KV -31000	432.195	1.0041 %
5620.000	KV -31000	432.389	0.9396 %
5640.000	KV -31000	432.570	0.8751 %
5660.000	KV -31000	432.739	0.8106 %
5680.000	KV -31000	432.895	0.7461 %
5700.000	KV -31000	433.037	0.6815 %
5720.000	KV -31000	433.167	0.6170 %
5740.000	KV -31000	433.284	0.5525 %
5760.000	KV -31000	433.388	0.4880 %
5780.000	KV -31000	433.479	0.4235 %
5800.000	KV -31000	433.558	0.3590 %
5820.000	KV -31000	433.623	0.2944 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
5840.000	KV -31000	433.675	0.2299 %
5860.000	KV -31000	433.715	0.1654 %
5880.000	KV -31000	433.742	0.1009 %
5900.000	KV -31000	433.755	0.0364 %
5911.277	Punto Alto	433.757	0.0000 %
5920.000	KV -31000	433.756	-0.0281 %
5940.000	KV -31000	433.744	-0.0927 %
5960.000	KV -31000	433.719	-0.1572 %
5980.000	KV -31000	433.681	-0.2217 %
6000.000	KV -31000	433.630	-0.2862 %
6020.000	KV -31000	433.567	-0.3507 %
6040.000	KV -31000	433.490	-0.4152 %
6060.000	KV -31000	433.401	-0.4798 %
6080.000	KV -31000	433.298	-0.5443 %
6100.000	KV -31000	433.183	-0.6088 %
6120.000	KV -31000	433.055	-0.6733 %
6140.000	KV -31000	432.914	-0.7378 %
6160.000	KV -31000	432.760	-0.8023 %
6180.000	KV -31000	432.593	-0.8668 %
6190.277	tg. salida	432.502	-0.9000 %
6200.000	Pendiente	432.414	-0.9000 %
6220.000	Pendiente	432.234	-0.9000 %
6240.000	Pendiente	432.054	-0.9000 %
6260.000	Pendiente	431.874	-0.9000 %
6280.000	Pendiente	431.694	-0.9000 %
6300.000	Pendiente	431.514	-0.9000 %
6320.000	Pendiente	431.334	-0.9000 %
6340.000	Pendiente	431.154	-0.9000 %
6360.000	Pendiente	430.974	-0.9000 %
6380.000	Pendiente	430.794	-0.9000 %
6400.000	Pendiente	430.614	-0.9000 %
6420.000	Pendiente	430.434	-0.9000 %
6440.000	Pendiente	430.254	-0.9000 %
6460.000	Pendiente	430.074	-0.9000 %
6480.000	Pendiente	429.894	-0.9000 %
6500.000	Pendiente	429.714	-0.9000 %
6520.000	Pendiente	429.534	-0.9000 %
6540.000	Pendiente	429.354	-0.9000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
6560.000	Pendiente	429.174	-0.9000 %
6580.000	Pendiente	428.994	-0.9000 %
6600.000	Pendiente	428.814	-0.9000 %
6620.000	Pendiente	428.634	-0.9000 %
6640.000	Pendiente	428.454	-0.9000 %
6660.000	Pendiente	428.274	-0.9000 %
6680.000	Pendiente	428.094	-0.9000 %
6700.000	Pendiente	427.914	-0.9000 %
6720.000	Pendiente	427.734	-0.9000 %
6740.000	Pendiente	427.554	-0.9000 %
6760.000	Pendiente	427.374	-0.9000 %
6780.000	Pendiente	427.194	-0.9000 %
6800.000	Pendiente	427.014	-0.9000 %
6820.000	Pendiente	426.834	-0.9000 %
6840.000	Pendiente	426.654	-0.9000 %
6860.000	Pendiente	426.474	-0.9000 %
6880.000	Pendiente	426.294	-0.9000 %
6900.000	Pendiente	426.114	-0.9000 %
6920.000	Pendiente	425.934	-0.9000 %
6940.000	Pendiente	425.754	-0.9000 %
6960.000	Pendiente	425.574	-0.9000 %
6980.000	Pendiente	425.394	-0.9000 %
7000.000	Pendiente	425.214	-0.9000 %
7020.000	Pendiente	425.034	-0.9000 %
7040.000	Pendiente	424.854	-0.9000 %
7060.000	Pendiente	424.674	-0.9000 %
7080.000	Pendiente	424.494	-0.9000 %
7100.000	Pendiente	424.314	-0.9000 %
7120.000	Pendiente	424.134	-0.9000 %
7140.000	Pendiente	423.954	-0.9000 %
7160.000	Pendiente	423.774	-0.9000 %
7180.000	Pendiente	423.594	-0.9000 %
7200.000	Pendiente	423.414	-0.9000 %
7220.000	Pendiente	423.234	-0.9000 %
7240.000	Pendiente	423.054	-0.9000 %
7260.000	Pendiente	422.874	-0.9000 %
7280.000	Pendiente	422.694	-0.9000 %
7300.000	Pendiente	422.514	-0.9000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
7320.000	Pendiente	422.334	-0.9000 %
7340.000	Pendiente	422.154	-0.9000 %
7360.000	Pendiente	421.974	-0.9000 %
7380.000	Pendiente	421.794	-0.9000 %
7400.000	Pendiente	421.614	-0.9000 %
7420.000	Pendiente	421.434	-0.9000 %
7440.000	Pendiente	421.254	-0.9000 %
7460.000	Pendiente	421.074	-0.9000 %
7480.000	Pendiente	420.894	-0.9000 %
7500.000	Pendiente	420.714	-0.9000 %
7520.000	Pendiente	420.534	-0.9000 %
7540.000	Pendiente	420.354	-0.9000 %
7560.000	Pendiente	420.174	-0.9000 %
7580.000	Pendiente	419.994	-0.9000 %
7600.000	Pendiente	419.814	-0.9000 %
7620.000	Pendiente	419.634	-0.9000 %
7640.000	Pendiente	419.454	-0.9000 %
7660.000	Pendiente	419.274	-0.9000 %
7680.000	Pendiente	419.094	-0.9000 %
7700.000	Pendiente	418.914	-0.9000 %
7720.000	Pendiente	418.734	-0.9000 %
7736.226	tg. entrada	418.588	-0.9000 %
7740.000	KV 15000	418.555	-0.8748 %
7760.000	KV 15000	418.393	-0.7415 %
7780.000	KV 15000	418.258	-0.6082 %
7800.000	KV 15000	418.150	-0.4748 %
7820.000	KV 15000	418.068	-0.3415 %
7840.000	KV 15000	418.013	-0.2082 %
7860.000	KV 15000	417.985	-0.0748 %
7871.226	Punto Bajo	417.981	0.0000 %
7880.000	KV 15000	417.983	0.0585 %
7900.000	KV 15000	418.008	0.1918 %
7920.000	KV 15000	418.060	0.3252 %
7940.000	KV 15000	418.139	0.4585 %
7960.000	KV 15000	418.244	0.5918 %
7980.000	KV 15000	418.375	0.7252 %
8000.000	KV 15000	418.534	0.8585 %
8020.000	KV 15000	418.719	0.9918 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
8040.000	KV 15000	418.930	1.1252 %
8060.000	KV 15000	419.169	1.2585 %
8080.000	KV 15000	419.434	1.3918 %
8100.000	KV 15000	419.725	1.5252 %
8120.000	KV 15000	420.044	1.6585 %
8140.000	KV 15000	420.389	1.7918 %
8160.000	KV 15000	420.761	1.9252 %
8180.000	KV 15000	421.159	2.0585 %
8200.000	KV 15000	421.584	2.1918 %
8220.000	KV 15000	422.036	2.3252 %
8240.000	KV 15000	422.514	2.4585 %
8246.226	tg. salida	422.668	2.5000 %
8260.000	Rampa	423.013	2.5000 %
8280.000	Rampa	423.513	2.5000 %
8300.000	Rampa	424.013	2.5000 %
8320.000	Rampa	424.513	2.5000 %
8335.739	tg. entrada	424.906	2.5000 %
8340.000	KV -16000	425.012	2.4734 %
8360.000	KV -16000	425.494	2.3484 %
8380.000	KV -16000	425.951	2.2234 %
8400.000	KV -16000	426.384	2.0984 %
8420.000	KV -16000	426.791	1.9734 %
8440.000	KV -16000	427.173	1.8484 %
8460.000	KV -16000	427.530	1.7234 %
8480.000	KV -16000	427.862	1.5984 %
8500.000	KV -16000	428.170	1.4734 %
8520.000	KV -16000	428.452	1.3484 %
8540.000	KV -16000	428.709	1.2234 %
8560.000	KV -16000	428.941	1.0984 %
8580.000	KV -16000	429.148	0.9734 %
8600.000	KV -16000	429.330	0.8484 %
8620.000	KV -16000	429.488	0.7234 %
8640.000	KV -16000	429.620	0.5984 %
8660.000	KV -16000	429.727	0.4734 %
8680.000	KV -16000	429.809	0.3484 %
8700.000	KV -16000	429.866	0.2234 %
8720.000	KV -16000	429.898	0.0984 %
8735.739	Punto Alto	429.906	0.0000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
8740.000	KV -16000	429.906	-0.0266 %
8760.000	KV -16000	429.888	-0.1516 %
8780.000	KV -16000	429.845	-0.2766 %
8800.000	KV -16000	429.777	-0.4016 %
8820.000	KV -16000	429.684	-0.5266 %
8840.000	KV -16000	429.566	-0.6516 %
8860.000	KV -16000	429.424	-0.7766 %
8880.000	KV -16000	429.256	-0.9016 %
8900.000	KV -16000	429.063	-1.0266 %
8920.000	KV -16000	428.845	-1.1516 %
8940.000	KV -16000	428.602	-1.2766 %
8960.000	KV -16000	428.335	-1.4016 %
8975.739	tg. salida	428.106	-1.5000 %
8980.000	Pendiente	428.042	-1.5000 %
9000.000	Pendiente	427.742	-1.5000 %
9020.000	Pendiente	427.442	-1.5000 %
9040.000	Pendiente	427.142	-1.5000 %
9060.000	Pendiente	426.842	-1.5000 %
9080.000	Pendiente	426.542	-1.5000 %
9100.000	Pendiente	426.242	-1.5000 %
9120.000	Pendiente	425.942	-1.5000 %
9140.000	Pendiente	425.642	-1.5000 %
9160.000	Pendiente	425.342	-1.5000 %
9180.000	Pendiente	425.042	-1.5000 %
9200.000	Pendiente	424.742	-1.5000 %
9220.000	Pendiente	424.442	-1.5000 %
9240.000	Pendiente	424.142	-1.5000 %
9260.000	Pendiente	423.842	-1.5000 %
9280.000	Pendiente	423.542	-1.5000 %
9300.000	Pendiente	423.242	-1.5000 %
9320.000	Pendiente	422.942	-1.5000 %
9340.000	Pendiente	422.642	-1.5000 %
9360.000	Pendiente	422.342	-1.5000 %
9380.000	Pendiente	422.042	-1.5000 %
9400.000	Pendiente	421.742	-1.5000 %
9420.000	Pendiente	421.442	-1.5000 %
9440.000	Pendiente	421.142	-1.5000 %
9460.000	Pendiente	420.842	-1.5000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
9480.000	Pendiente	420.542	-1.5000 %
9500.000	Pendiente	420.242	-1.5000 %
9520.000	Pendiente	419.942	-1.5000 %
9540.000	Pendiente	419.642	-1.5000 %
9560.000	Pendiente	419.342	-1.5000 %
9580.000	Pendiente	419.042	-1.5000 %
9600.000	Pendiente	418.742	-1.5000 %
9620.000	Pendiente	418.442	-1.5000 %
9640.000	Pendiente	418.142	-1.5000 %
9660.000	Pendiente	417.842	-1.5000 %
9680.000	Pendiente	417.542	-1.5000 %
9700.000	Pendiente	417.242	-1.5000 %
9720.000	Pendiente	416.942	-1.5000 %
9740.000	Pendiente	416.642	-1.5000 %
9760.000	Pendiente	416.342	-1.5000 %
9780.000	Pendiente	416.042	-1.5000 %
9800.000	Pendiente	415.742	-1.5000 %
9820.000	Pendiente	415.442	-1.5000 %
9832.249	tg. entrada	415.259	-1.5000 %
9840.000	KV -31000	415.141	-1.5250 %
9860.000	KV -31000	414.830	-1.5895 %
9880.000	KV -31000	414.505	-1.6540 %
9900.000	KV -31000	414.168	-1.7186 %
9920.000	KV -31000	413.818	-1.7831 %
9940.000	KV -31000	413.455	-1.8476 %
9960.000	KV -31000	413.079	-1.9121 %
9980.000	KV -31000	412.690	-1.9766 %
10000.000	KV -31000	412.288	-2.0411 %
10020.000	KV -31000	411.874	-2.1056 %
10040.000	KV -31000	411.446	-2.1702 %
10060.000	KV -31000	411.006	-2.2347 %
10080.000	KV -31000	410.552	-2.2992 %
10100.000	KV -31000	410.086	-2.3637 %
10120.000	KV -31000	409.607	-2.4282 %
10140.000	KV -31000	409.115	-2.4927 %
10160.000	KV -31000	408.610	-2.5573 %
10180.000	KV -31000	408.092	-2.6218 %
10200.000	KV -31000	407.561	-2.6863 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
10220.000	KV -31000	407.017	-2.7508 %
10240.000	KV -31000	406.461	-2.8153 %
10260.000	KV -31000	405.891	-2.8798 %
10280.000	KV -31000	405.309	-2.9444 %
10297.249	tg. salida	404.796	-3.0000 %
10300.000	Pendiente	404.713	-3.0000 %
10320.000	Pendiente	404.113	-3.0000 %
10340.000	Pendiente	403.513	-3.0000 %
10357.972	tg. entrada	402.974	-3.0000 %
10360.000	KV 10000	402.914	-2.9797 %
10380.000	KV 10000	402.338	-2.7797 %
10400.000	KV 10000	401.802	-2.5797 %
10420.000	KV 10000	401.306	-2.3797 %
10440.000	KV 10000	400.850	-2.1797 %
10460.000	KV 10000	400.434	-1.9797 %
10480.000	KV 10000	400.058	-1.7797 %
10500.000	KV 10000	399.722	-1.5797 %
10520.000	KV 10000	399.426	-1.3797 %
10540.000	KV 10000	399.170	-1.1797 %
10560.000	KV 10000	398.954	-0.9797 %
10580.000	KV 10000	398.778	-0.7797 %
10600.000	KV 10000	398.642	-0.5797 %
10620.000	KV 10000	398.546	-0.3797 %
10640.000	KV 10000	398.490	-0.1797 %
10657.972	Punto Bajo	398.474	0.0000 %
10660.000	KV 10000	398.475	0.0203 %
10680.000	KV 10000	398.499	0.2203 %
10700.000	KV 10000	398.563	0.4203 %
10720.000	KV 10000	398.667	0.6203 %
10740.000	KV 10000	398.811	0.8203 %
10760.000	KV 10000	398.995	1.0203 %
10780.000	KV 10000	399.219	1.2203 %
10800.000	KV 10000	399.483	1.4203 %
10820.000	KV 10000	399.787	1.6203 %
10840.000	KV 10000	400.131	1.8203 %
10857.972	tg. salida	400.474	2.0000 %
10860.000	Rampa	400.515	2.0000 %
10880.000	Rampa	400.915	2.0000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
10900.000	Rampa	401.315	2.0000 %
10920.000	Rampa	401.715	2.0000 %
10940.000	Rampa	402.115	2.0000 %
10960.000	Rampa	402.515	2.0000 %
10980.000	Rampa	402.915	2.0000 %
11000.000	Rampa	403.315	2.0000 %
11020.000	Rampa	403.715	2.0000 %
11032.795	tg. entrada	403.971	2.0000 %
11040.000	KV -16000	404.113	1.9550 %
11060.000	KV -16000	404.492	1.8300 %
11080.000	KV -16000	404.845	1.7050 %
11100.000	KV -16000	405.174	1.5800 %
11120.000	KV -16000	405.477	1.4550 %
11140.000	KV -16000	405.756	1.3300 %
11160.000	KV -16000	406.009	1.2050 %
11180.000	KV -16000	406.238	1.0800 %
11200.000	KV -16000	406.441	0.9550 %
11220.000	KV -16000	406.620	0.8300 %
11240.000	KV -16000	406.773	0.7050 %
11260.000	KV -16000	406.902	0.5800 %
11280.000	KV -16000	407.005	0.4550 %
11300.000	KV -16000	407.084	0.3300 %
11320.000	KV -16000	407.137	0.2050 %
11340.000	KV -16000	407.166	0.0800 %
11352.795	Punto Alto	407.171	0.0000 %
11360.000	KV -16000	407.169	-0.0450 %
11380.000	KV -16000	407.148	-0.1700 %
11400.000	KV -16000	407.101	-0.2950 %
11420.000	KV -16000	407.030	-0.4200 %
11432.795	tg. salida	406.971	-0.5000 %
11440.000	Pendiente	406.935	-0.5000 %
11460.000	Pendiente	406.835	-0.5000 %
11480.000	Pendiente	406.735	-0.5000 %
11500.000	Pendiente	406.635	-0.5000 %
11520.000	Pendiente	406.535	-0.5000 %
11540.000	Pendiente	406.435	-0.5000 %
11560.000	Pendiente	406.335	-0.5000 %
11580.000	Pendiente	406.235	-0.5000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
11600.000	Pendiente	406.135	-0.5000 %
11620.000	Pendiente	406.035	-0.5000 %
11640.000	Pendiente	405.935	-0.5000 %
11660.000	Pendiente	405.835	-0.5000 %
11680.000	Pendiente	405.735	-0.5000 %
11700.000	Pendiente	405.635	-0.5000 %
11720.000	Pendiente	405.535	-0.5000 %
11740.000	Pendiente	405.435	-0.5000 %
11760.000	Pendiente	405.335	-0.5000 %
11780.000	Pendiente	405.235	-0.5000 %
11800.000	Pendiente	405.135	-0.5000 %
11820.000	Pendiente	405.035	-0.5000 %
11840.000	Pendiente	404.935	-0.5000 %
11860.000	Pendiente	404.835	-0.5000 %
11880.000	Pendiente	404.735	-0.5000 %
11900.000	Pendiente	404.635	-0.5000 %
11920.000	Pendiente	404.535	-0.5000 %
11940.000	Pendiente	404.435	-0.5000 %
11960.000	Pendiente	404.335	-0.5000 %
11980.000	Pendiente	404.235	-0.5000 %
12000.000	Pendiente	404.135	-0.5000 %
12020.000	Pendiente	404.035	-0.5000 %
12040.000	Pendiente	403.935	-0.5000 %
12060.000	Pendiente	403.835	-0.5000 %
12080.000	Pendiente	403.735	-0.5000 %
12100.000	Pendiente	403.635	-0.5000 %
12120.000	Pendiente	403.535	-0.5000 %
12140.000	Pendiente	403.435	-0.5000 %
12160.000	Pendiente	403.335	-0.5000 %
12180.000	Pendiente	403.235	-0.5000 %
12200.000	Pendiente	403.135	-0.5000 %
12220.000	Pendiente	403.035	-0.5000 %
12240.000	Pendiente	402.935	-0.5000 %
12260.000	Pendiente	402.835	-0.5000 %
12280.000	Pendiente	402.735	-0.5000 %
12300.000	Pendiente	402.635	-0.5000 %
12320.000	Pendiente	402.535	-0.5000 %
12340.000	Pendiente	402.435	-0.5000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
12360.000	Pendiente	402.335	-0.5000 %
12380.000	Pendiente	402.235	-0.5000 %
12393.477	tg. entrada	402.167	-0.5000 %
12400.000	KV 40000	402.135	-0.4837 %
12420.000	KV 40000	402.044	-0.4337 %
12440.000	KV 40000	401.962	-0.3837 %
12460.000	KV 40000	401.890	-0.3337 %
12480.000	KV 40000	401.828	-0.2837 %
12500.000	KV 40000	401.777	-0.2337 %
12520.000	KV 40000	401.735	-0.1837 %
12540.000	KV 40000	401.703	-0.1337 %
12560.000	KV 40000	401.681	-0.0837 %
12580.000	KV 40000	401.670	-0.0337 %
12593.477	Punto Bajo	401.667	0.0000 %
12600.000	KV 40000	401.668	0.0163 %
12620.000	KV 40000	401.676	0.0663 %
12640.000	KV 40000	401.694	0.1163 %
12660.000	KV 40000	401.723	0.1663 %
12680.000	KV 40000	401.761	0.2163 %
12700.000	KV 40000	401.809	0.2663 %
12720.000	KV 40000	401.867	0.3163 %
12740.000	KV 40000	401.936	0.3663 %
12760.000	KV 40000	402.014	0.4163 %
12780.000	KV 40000	402.102	0.4663 %
12793.477	tg. salida	402.167	0.5000 %
12800.000	Rampa	402.200	0.5000 %
12820.000	Rampa	402.300	0.5000 %
12840.000	Rampa	402.400	0.5000 %
12860.000	Rampa	402.500	0.5000 %
12880.000	Rampa	402.600	0.5000 %
12900.000	Rampa	402.700	0.5000 %
12920.000	Rampa	402.800	0.5000 %
12940.000	Rampa	402.900	0.5000 %
12960.000	Rampa	403.000	0.5000 %
12980.000	Rampa	403.100	0.5000 %
13000.000	Rampa	403.200	0.5000 %
13020.000	Rampa	403.300	0.5000 %
13040.000	Rampa	403.400	0.5000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
13060.000	Rampa	403.500	0.5000 %
13080.000	Rampa	403.600	0.5000 %
13100.000	Rampa	403.700	0.5000 %
13120.000	Rampa	403.800	0.5000 %
13140.000	Rampa	403.900	0.5000 %
13160.000	Rampa	404.000	0.5000 %
13180.000	Rampa	404.100	0.5000 %
13200.000	Rampa	404.200	0.5000 %
13220.000	Rampa	404.300	0.5000 %
13240.000	Rampa	404.400	0.5000 %
13260.000	Rampa	404.500	0.5000 %
13280.000	Rampa	404.600	0.5000 %
13300.000	Rampa	404.700	0.5000 %
13320.000	Rampa	404.800	0.5000 %
13340.000	Rampa	404.900	0.5000 %
13360.000	Rampa	405.000	0.5000 %
13380.000	Rampa	405.100	0.5000 %
13400.000	Rampa	405.200	0.5000 %
13420.000	Rampa	405.300	0.5000 %
13440.000	Rampa	405.400	0.5000 %
13460.000	Rampa	405.500	0.5000 %
13480.000	Rampa	405.600	0.5000 %
13500.000	Rampa	405.700	0.5000 %
13520.000	Rampa	405.800	0.5000 %
13540.000	Rampa	405.900	0.5000 %
13560.000	Rampa	406.000	0.5000 %
13580.000	Rampa	406.100	0.5000 %
13600.000	Rampa	406.200	0.5000 %
13620.000	Rampa	406.300	0.5000 %
13640.000	Rampa	406.400	0.5000 %
13660.000	Rampa	406.500	0.5000 %
13680.000	Rampa	406.600	0.5000 %
13700.000	Rampa	406.700	0.5000 %
13720.000	Rampa	406.800	0.5000 %
13740.000	Rampa	406.900	0.5000 %
13760.000	Rampa	407.000	0.5000 %
13780.000	Rampa	407.100	0.5000 %
13800.000	Rampa	407.200	0.5000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
13820.000	Rampa	407.300	0.5000 %
13840.000	Rampa	407.400	0.5000 %
13860.000	Rampa	407.500	0.5000 %
13880.000	Rampa	407.600	0.5000 %
13900.000	Rampa	407.700	0.5000 %
13920.000	Rampa	407.800	0.5000 %
13940.000	Rampa	407.900	0.5000 %
13960.000	Rampa	408.000	0.5000 %
13960.000	Rampa	408.000	0.5000 %

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*** ESTADO DE RASANTES ***

PENDIENTE (°)	LONGITUD (m)	PARAMETRO (kv)	VERTICE p.k.	ENTRADA AL ACUERDO p.k.	ACUERDO cota	SALIDA DEL ACUERDO p.k.	BISECT. (m)	DIF.PEN (%)
				0.000	395.765			
-0.500000	500.000	20000.000	1861.759	386.457	1611.759	387.707	2111.759	391.457
2.000000	465.000	31000.000	3479.163	418.805	3246.663	414.155	3711.663	419.967
0.500000	320.000	16000.000	4247.266	422.645	4087.266	421.845	4407.266	426.645
2.500000	403.000	31000.000	5062.985	443.038	4861.485	438.001	5264.485	445.456
1.200000	814.000	22000.000	5839.992	452.362	5432.992	447.478	6246.992	442.187
-2.500000	170.000	17000.000	6340.135	439.859	6255.135	441.984	6425.135	438.584
-1.500000	250.000	10000.000	7347.073	424.755	7222.073	426.630	7472.073	426.005
1.000000	775.000	31000.000	8338.116	434.665	7950.616	430.790	8725.616	428.853
-1.500000	465.000	31000.000	9880.287	411.533	9647.787	415.020	10112.787	404.558
-3.000000	500.000	10000.000	10412.305	395.572	10162.305	403.072	10662.305	400.572
2.000000	400.000	16000.000	11036.255	408.051	10836.255	404.051	11236.255	407.051
-0.500000	400.000	40000.000	12404.727	401.209	12204.727	402.209	12604.727	402.209
0.500000							13763.000	408.000

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
0.000	Pendiente	395.765	-0.5000 %
20.000	Pendiente	395.665	-0.5000 %
40.000	Pendiente	395.565	-0.5000 %
60.000	Pendiente	395.465	-0.5000 %
80.000	Pendiente	395.365	-0.5000 %
100.000	Pendiente	395.265	-0.5000 %
120.000	Pendiente	395.165	-0.5000 %
140.000	Pendiente	395.065	-0.5000 %
160.000	Pendiente	394.965	-0.5000 %
180.000	Pendiente	394.865	-0.5000 %
200.000	Pendiente	394.765	-0.5000 %
220.000	Pendiente	394.665	-0.5000 %
240.000	Pendiente	394.565	-0.5000 %
260.000	Pendiente	394.465	-0.5000 %
280.000	Pendiente	394.365	-0.5000 %
300.000	Pendiente	394.265	-0.5000 %
320.000	Pendiente	394.165	-0.5000 %
340.000	Pendiente	394.065	-0.5000 %
360.000	Pendiente	393.965	-0.5000 %
380.000	Pendiente	393.865	-0.5000 %
400.000	Pendiente	393.765	-0.5000 %
420.000	Pendiente	393.665	-0.5000 %
440.000	Pendiente	393.565	-0.5000 %
460.000	Pendiente	393.465	-0.5000 %
480.000	Pendiente	393.365	-0.5000 %
500.000	Pendiente	393.265	-0.5000 %
520.000	Pendiente	393.165	-0.5000 %
540.000	Pendiente	393.065	-0.5000 %
560.000	Pendiente	392.965	-0.5000 %
580.000	Pendiente	392.865	-0.5000 %
600.000	Pendiente	392.765	-0.5000 %
620.000	Pendiente	392.665	-0.5000 %
640.000	Pendiente	392.565	-0.5000 %
660.000	Pendiente	392.465	-0.5000 %
680.000	Pendiente	392.365	-0.5000 %
700.000	Pendiente	392.265	-0.5000 %
720.000	Pendiente	392.165	-0.5000 %
740.000	Pendiente	392.065	-0.5000 %

Actualización 2016



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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
760.000	Pendiente	391.965	-0.5000 %
780.000	Pendiente	391.865	-0.5000 %
800.000	Pendiente	391.765	-0.5000 %
820.000	Pendiente	391.665	-0.5000 %
840.000	Pendiente	391.565	-0.5000 %
860.000	Pendiente	391.465	-0.5000 %
880.000	Pendiente	391.365	-0.5000 %
900.000	Pendiente	391.265	-0.5000 %
920.000	Pendiente	391.165	-0.5000 %
940.000	Pendiente	391.065	-0.5000 %
960.000	Pendiente	390.965	-0.5000 %
980.000	Pendiente	390.865	-0.5000 %
1000.000	Pendiente	390.765	-0.5000 %
1020.000	Pendiente	390.665	-0.5000 %
1040.000	Pendiente	390.565	-0.5000 %
1060.000	Pendiente	390.465	-0.5000 %
1080.000	Pendiente	390.365	-0.5000 %
1100.000	Pendiente	390.265	-0.5000 %
1120.000	Pendiente	390.165	-0.5000 %
1140.000	Pendiente	390.065	-0.5000 %
1160.000	Pendiente	389.965	-0.5000 %
1180.000	Pendiente	389.865	-0.5000 %
1200.000	Pendiente	389.765	-0.5000 %
1220.000	Pendiente	389.665	-0.5000 %
1240.000	Pendiente	389.565	-0.5000 %
1260.000	Pendiente	389.465	-0.5000 %
1280.000	Pendiente	389.365	-0.5000 %
1300.000	Pendiente	389.265	-0.5000 %
1320.000	Pendiente	389.165	-0.5000 %
1340.000	Pendiente	389.065	-0.5000 %
1360.000	Pendiente	388.965	-0.5000 %
1380.000	Pendiente	388.865	-0.5000 %
1400.000	Pendiente	388.765	-0.5000 %
1420.000	Pendiente	388.665	-0.5000 %
1440.000	Pendiente	388.565	-0.5000 %
1460.000	Pendiente	388.465	-0.5000 %
1480.000	Pendiente	388.365	-0.5000 %
1500.000	Pendiente	388.265	-0.5000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
1520.000	Pendiente	388.165	-0.5000 %
1540.000	Pendiente	388.065	-0.5000 %
1560.000	Pendiente	387.965	-0.5000 %
1580.000	Pendiente	387.865	-0.5000 %
1600.000	Pendiente	387.765	-0.5000 %
1611.759	tg. entrada	387.707	-0.5000 %
1620.000	KV 20000	387.667	-0.4588 %
1640.000	KV 20000	387.585	-0.3588 %
1660.000	KV 20000	387.524	-0.2588 %
1680.000	KV 20000	387.482	-0.1588 %
1700.000	KV 20000	387.460	-0.0588 %
1711.759	Punto Bajo	387.457	0.0000 %
1720.000	KV 20000	387.458	0.0412 %
1740.000	KV 20000	387.477	0.1412 %
1760.000	KV 20000	387.515	0.2412 %
1780.000	KV 20000	387.573	0.3412 %
1800.000	KV 20000	387.651	0.4412 %
1820.000	KV 20000	387.750	0.5412 %
1840.000	KV 20000	387.868	0.6412 %
1860.000	KV 20000	388.006	0.7412 %
1880.000	KV 20000	388.164	0.8412 %
1900.000	KV 20000	388.343	0.9412 %
1920.000	KV 20000	388.541	1.0412 %
1940.000	KV 20000	388.759	1.1412 %
1960.000	KV 20000	388.997	1.2412 %
1980.000	KV 20000	389.255	1.3412 %
2000.000	KV 20000	389.534	1.4412 %
2020.000	KV 20000	389.832	1.5412 %
2040.000	KV 20000	390.150	1.6412 %
2060.000	KV 20000	390.488	1.7412 %
2080.000	KV 20000	390.847	1.8412 %
2100.000	KV 20000	391.225	1.9412 %
2111.759	tg. salida	391.457	2.0000 %
2120.000	Rampa	391.621	2.0000 %
2140.000	Rampa	392.021	2.0000 %
2160.000	Rampa	392.421	2.0000 %
2180.000	Rampa	392.821	2.0000 %
2200.000	Rampa	393.221	2.0000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
2220.000	Rampa	393.621	2.0000 %
2240.000	Rampa	394.021	2.0000 %
2260.000	Rampa	394.421	2.0000 %
2280.000	Rampa	394.821	2.0000 %
2300.000	Rampa	395.221	2.0000 %
2320.000	Rampa	395.621	2.0000 %
2340.000	Rampa	396.021	2.0000 %
2360.000	Rampa	396.421	2.0000 %
2380.000	Rampa	396.821	2.0000 %
2400.000	Rampa	397.221	2.0000 %
2420.000	Rampa	397.621	2.0000 %
2440.000	Rampa	398.021	2.0000 %
2460.000	Rampa	398.421	2.0000 %
2480.000	Rampa	398.821	2.0000 %
2500.000	Rampa	399.221	2.0000 %
2520.000	Rampa	399.621	2.0000 %
2540.000	Rampa	400.021	2.0000 %
2560.000	Rampa	400.421	2.0000 %
2580.000	Rampa	400.821	2.0000 %
2600.000	Rampa	401.221	2.0000 %
2620.000	Rampa	401.621	2.0000 %
2640.000	Rampa	402.021	2.0000 %
2660.000	Rampa	402.421	2.0000 %
2680.000	Rampa	402.821	2.0000 %
2700.000	Rampa	403.221	2.0000 %
2720.000	Rampa	403.621	2.0000 %
2740.000	Rampa	404.021	2.0000 %
2760.000	Rampa	404.421	2.0000 %
2780.000	Rampa	404.821	2.0000 %
2800.000	Rampa	405.221	2.0000 %
2820.000	Rampa	405.621	2.0000 %
2840.000	Rampa	406.021	2.0000 %
2860.000	Rampa	406.421	2.0000 %
2880.000	Rampa	406.821	2.0000 %
2900.000	Rampa	407.221	2.0000 %
2920.000	Rampa	407.621	2.0000 %
2940.000	Rampa	408.021	2.0000 %
2960.000	Rampa	408.421	2.0000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
2980.000	Rampa	408.821	2.0000 %
3000.000	Rampa	409.221	2.0000 %
3020.000	Rampa	409.621	2.0000 %
3040.000	Rampa	410.021	2.0000 %
3060.000	Rampa	410.421	2.0000 %
3080.000	Rampa	410.821	2.0000 %
3100.000	Rampa	411.221	2.0000 %
3120.000	Rampa	411.621	2.0000 %
3140.000	Rampa	412.021	2.0000 %
3160.000	Rampa	412.421	2.0000 %
3180.000	Rampa	412.821	2.0000 %
3200.000	Rampa	413.221	2.0000 %
3220.000	Rampa	413.621	2.0000 %
3240.000	Rampa	414.021	2.0000 %
3246.663	tg. entrada	414.155	2.0000 %
3260.000	KV -31000	414.419	1.9570 %
3280.000	KV -31000	414.804	1.8925 %
3300.000	KV -31000	415.176	1.8279 %
3320.000	KV -31000	415.535	1.7634 %
3340.000	KV -31000	415.881	1.6989 %
3360.000	KV -31000	416.214	1.6344 %
3380.000	KV -31000	416.535	1.5699 %
3400.000	KV -31000	416.842	1.5054 %
3420.000	KV -31000	417.137	1.4408 %
3440.000	KV -31000	417.419	1.3763 %
3460.000	KV -31000	417.687	1.3118 %
3480.000	KV -31000	417.943	1.2473 %
3500.000	KV -31000	418.186	1.1828 %
3520.000	KV -31000	418.416	1.1183 %
3540.000	KV -31000	418.634	1.0538 %
3560.000	KV -31000	418.838	0.9892 %
3580.000	KV -31000	419.029	0.9247 %
3600.000	KV -31000	419.208	0.8602 %
3620.000	KV -31000	419.373	0.7957 %
3640.000	KV -31000	419.526	0.7312 %
3660.000	KV -31000	419.666	0.6667 %
3680.000	KV -31000	419.793	0.6021 %
3700.000	KV -31000	419.907	0.5376 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
3711.663	tg. salida	419.967	0.5000 %
3720.000	Rampa	420.009	0.5000 %
3740.000	Rampa	420.109	0.5000 %
3760.000	Rampa	420.209	0.5000 %
3780.000	Rampa	420.309	0.5000 %
3800.000	Rampa	420.409	0.5000 %
3820.000	Rampa	420.509	0.5000 %
3840.000	Rampa	420.609	0.5000 %
3860.000	Rampa	420.709	0.5000 %
3880.000	Rampa	420.809	0.5000 %
3900.000	Rampa	420.909	0.5000 %
3920.000	Rampa	421.009	0.5000 %
3940.000	Rampa	421.109	0.5000 %
3960.000	Rampa	421.209	0.5000 %
3980.000	Rampa	421.309	0.5000 %
4000.000	Rampa	421.409	0.5000 %
4020.000	Rampa	421.509	0.5000 %
4040.000	Rampa	421.609	0.5000 %
4060.000	Rampa	421.709	0.5000 %
4080.000	Rampa	421.809	0.5000 %
4087.266	tg. entrada	421.845	0.5000 %
4100.000	KV 16000	421.914	0.5796 %
4120.000	KV 16000	422.042	0.7046 %
4140.000	KV 16000	422.196	0.8296 %
4160.000	KV 16000	422.374	0.9546 %
4180.000	KV 16000	422.578	1.0796 %
4200.000	KV 16000	422.806	1.2046 %
4220.000	KV 16000	423.059	1.3296 %
4240.000	KV 16000	423.338	1.4546 %
4260.000	KV 16000	423.641	1.5796 %
4280.000	KV 16000	423.970	1.7046 %
4300.000	KV 16000	424.323	1.8296 %
4320.000	KV 16000	424.702	1.9546 %
4340.000	KV 16000	425.105	2.0796 %
4360.000	KV 16000	425.533	2.2046 %
4380.000	KV 16000	425.987	2.3296 %
4400.000	KV 16000	426.465	2.4546 %
4407.266	tg. salida	426.645	2.5000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
4420.000	Rampa	426.964	2.5000 %
4440.000	Rampa	427.464	2.5000 %
4460.000	Rampa	427.964	2.5000 %
4480.000	Rampa	428.464	2.5000 %
4500.000	Rampa	428.964	2.5000 %
4520.000	Rampa	429.464	2.5000 %
4540.000	Rampa	429.964	2.5000 %
4560.000	Rampa	430.464	2.5000 %
4580.000	Rampa	430.964	2.5000 %
4600.000	Rampa	431.464	2.5000 %
4620.000	Rampa	431.964	2.5000 %
4640.000	Rampa	432.464	2.5000 %
4660.000	Rampa	432.964	2.5000 %
4680.000	Rampa	433.464	2.5000 %
4700.000	Rampa	433.964	2.5000 %
4720.000	Rampa	434.464	2.5000 %
4740.000	Rampa	434.964	2.5000 %
4760.000	Rampa	435.464	2.5000 %
4780.000	Rampa	435.964	2.5000 %
4800.000	Rampa	436.464	2.5000 %
4820.000	Rampa	436.964	2.5000 %
4840.000	Rampa	437.464	2.5000 %
4860.000	Rampa	437.964	2.5000 %
4861.485	tg. entrada	438.001	2.5000 %
4880.000	KV -31000	438.458	2.4403 %
4900.000	KV -31000	438.940	2.3758 %
4920.000	KV -31000	439.408	2.3112 %
4940.000	KV -31000	439.864	2.2467 %
4960.000	KV -31000	440.307	2.1822 %
4980.000	KV -31000	440.737	2.1177 %
5000.000	KV -31000	441.154	2.0532 %
5020.000	KV -31000	441.558	1.9887 %
5040.000	KV -31000	441.950	1.9241 %
5060.000	KV -31000	442.328	1.8596 %
5080.000	KV -31000	442.693	1.7951 %
5100.000	KV -31000	443.046	1.7306 %
5120.000	KV -31000	443.386	1.6661 %
5140.000	KV -31000	443.712	1.6016 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
5160.000	KV -31000	444.026	1.5370 %
5180.000	KV -31000	444.327	1.4725 %
5200.000	KV -31000	444.615	1.4080 %
5220.000	KV -31000	444.890	1.3435 %
5240.000	KV -31000	445.153	1.2790 %
5260.000	KV -31000	445.402	1.2145 %
5264.485	tg. salida	445.456	1.2000 %
5280.000	Rampa	445.642	1.2000 %
5300.000	Rampa	445.882	1.2000 %
5320.000	Rampa	446.122	1.2000 %
5340.000	Rampa	446.362	1.2000 %
5360.000	Rampa	446.602	1.2000 %
5380.000	Rampa	446.842	1.2000 %
5400.000	Rampa	447.082	1.2000 %
5420.000	Rampa	447.322	1.2000 %
5432.992	tg. entrada	447.478	1.2000 %
5440.000	KV -22000	447.561	1.1681 %
5460.000	KV -22000	447.786	1.0772 %
5480.000	KV -22000	447.992	0.9863 %
5500.000	KV -22000	448.180	0.8954 %
5520.000	KV -22000	448.350	0.8045 %
5540.000	KV -22000	448.502	0.7136 %
5560.000	KV -22000	448.636	0.6227 %
5580.000	KV -22000	448.751	0.5318 %
5600.000	KV -22000	448.849	0.4409 %
5620.000	KV -22000	448.928	0.3500 %
5640.000	KV -22000	448.988	0.2591 %
5660.000	KV -22000	449.031	0.1681 %
5680.000	KV -22000	449.056	0.0772 %
5696.992	Punto Alto	449.062	0.0000 %
5700.000	KV -22000	449.062	-0.0137 %
5720.000	KV -22000	449.050	-0.1046 %
5740.000	KV -22000	449.020	-0.1955 %
5760.000	KV -22000	448.972	-0.2864 %
5780.000	KV -22000	448.906	-0.3773 %
5800.000	KV -22000	448.821	-0.4682 %
5820.000	KV -22000	448.718	-0.5591 %
5840.000	KV -22000	448.598	-0.6500 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
5860.000	KV -22000	448.458	-0.7409 %
5880.000	KV -22000	448.301	-0.8319 %
5900.000	KV -22000	448.126	-0.9228 %
5920.000	KV -22000	447.932	-1.0137 %
5940.000	KV -22000	447.720	-1.1046 %
5960.000	KV -22000	447.490	-1.1955 %
5980.000	KV -22000	447.242	-1.2864 %
6000.000	KV -22000	446.976	-1.3773 %
6020.000	KV -22000	446.691	-1.4682 %
6040.000	KV -22000	446.388	-1.5591 %
6060.000	KV -22000	446.067	-1.6500 %
6080.000	KV -22000	445.728	-1.7409 %
6100.000	KV -22000	445.371	-1.8319 %
6120.000	KV -22000	444.996	-1.9228 %
6140.000	KV -22000	444.602	-2.0137 %
6160.000	KV -22000	444.190	-2.1046 %
6180.000	KV -22000	443.760	-2.1955 %
6200.000	KV -22000	443.312	-2.2864 %
6220.000	KV -22000	442.846	-2.3773 %
6240.000	KV -22000	442.361	-2.4682 %
6246.992	tg. salida	442.187	-2.5000 %
6255.135	tg. entrada	441.984	-2.5000 %
6260.000	KV 17000	441.863	-2.4714 %
6280.000	KV 17000	441.380	-2.3537 %
6300.000	KV 17000	440.921	-2.2361 %
6320.000	KV 17000	440.486	-2.1184 %
6340.000	KV 17000	440.074	-2.0008 %
6360.000	KV 17000	439.686	-1.8831 %
6380.000	KV 17000	439.321	-1.7655 %
6400.000	KV 17000	438.979	-1.6479 %
6420.000	KV 17000	438.662	-1.5302 %
6425.135	tg. salida	438.584	-1.5000 %
6440.000	Pendiente	438.361	-1.5000 %
6460.000	Pendiente	438.061	-1.5000 %
6480.000	Pendiente	437.761	-1.5000 %
6500.000	Pendiente	437.461	-1.5000 %
6520.000	Pendiente	437.161	-1.5000 %
6540.000	Pendiente	436.861	-1.5000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
6560.000	Pendiente	436.561	-1.5000 %
6580.000	Pendiente	436.261	-1.5000 %
6600.000	Pendiente	435.961	-1.5000 %
6620.000	Pendiente	435.661	-1.5000 %
6640.000	Pendiente	435.361	-1.5000 %
6660.000	Pendiente	435.061	-1.5000 %
6680.000	Pendiente	434.761	-1.5000 %
6700.000	Pendiente	434.461	-1.5000 %
6720.000	Pendiente	434.161	-1.5000 %
6740.000	Pendiente	433.861	-1.5000 %
6760.000	Pendiente	433.561	-1.5000 %
6780.000	Pendiente	433.261	-1.5000 %
6800.000	Pendiente	432.961	-1.5000 %
6820.000	Pendiente	432.661	-1.5000 %
6840.000	Pendiente	432.361	-1.5000 %
6860.000	Pendiente	432.061	-1.5000 %
6880.000	Pendiente	431.761	-1.5000 %
6900.000	Pendiente	431.461	-1.5000 %
6920.000	Pendiente	431.161	-1.5000 %
6940.000	Pendiente	430.861	-1.5000 %
6960.000	Pendiente	430.561	-1.5000 %
6980.000	Pendiente	430.261	-1.5000 %
7000.000	Pendiente	429.961	-1.5000 %
7020.000	Pendiente	429.661	-1.5000 %
7040.000	Pendiente	429.361	-1.5000 %
7060.000	Pendiente	429.061	-1.5000 %
7080.000	Pendiente	428.761	-1.5000 %
7100.000	Pendiente	428.461	-1.5000 %
7120.000	Pendiente	428.161	-1.5000 %
7140.000	Pendiente	427.861	-1.5000 %
7160.000	Pendiente	427.561	-1.5000 %
7180.000	Pendiente	427.261	-1.5000 %
7200.000	Pendiente	426.961	-1.5000 %
7220.000	Pendiente	426.661	-1.5000 %
7222.073	tg. entrada	426.630	-1.5000 %
7240.000	KV 10000	426.377	-1.3207 %
7260.000	KV 10000	426.133	-1.1207 %
7280.000	KV 10000	425.929	-0.9207 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
7300.000	KV 10000	425.764	-0.7207 %
7320.000	KV 10000	425.640	-0.5207 %
7340.000	KV 10000	425.556	-0.3207 %
7360.000	KV 10000	425.512	-0.1207 %
7372.073	Punto Bajo	425.505	0.0000 %
7380.000	KV 10000	425.508	0.0793 %
7400.000	KV 10000	425.544	0.2793 %
7420.000	KV 10000	425.620	0.4793 %
7440.000	KV 10000	425.735	0.6793 %
7460.000	KV 10000	425.891	0.8793 %
7472.073	tg. salida	426.005	1.0000 %
7480.000	Rampa	426.084	1.0000 %
7500.000	Rampa	426.284	1.0000 %
7520.000	Rampa	426.484	1.0000 %
7540.000	Rampa	426.684	1.0000 %
7560.000	Rampa	426.884	1.0000 %
7580.000	Rampa	427.084	1.0000 %
7600.000	Rampa	427.284	1.0000 %
7620.000	Rampa	427.484	1.0000 %
7640.000	Rampa	427.684	1.0000 %
7660.000	Rampa	427.884	1.0000 %
7680.000	Rampa	428.084	1.0000 %
7700.000	Rampa	428.284	1.0000 %
7720.000	Rampa	428.484	1.0000 %
7740.000	Rampa	428.684	1.0000 %
7760.000	Rampa	428.884	1.0000 %
7780.000	Rampa	429.084	1.0000 %
7800.000	Rampa	429.284	1.0000 %
7820.000	Rampa	429.484	1.0000 %
7840.000	Rampa	429.684	1.0000 %
7860.000	Rampa	429.884	1.0000 %
7880.000	Rampa	430.084	1.0000 %
7900.000	Rampa	430.284	1.0000 %
7920.000	Rampa	430.484	1.0000 %
7940.000	Rampa	430.684	1.0000 %
7950.616	tg. entrada	430.790	1.0000 %
7960.000	KV -31000	430.883	0.9697 %
7980.000	KV -31000	431.070	0.9052 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
8000.000	KV -31000	431.245	0.8407 %
8020.000	KV -31000	431.406	0.7762 %
8040.000	KV -31000	431.555	0.7117 %
8060.000	KV -31000	431.691	0.6471 %
8080.000	KV -31000	431.814	0.5826 %
8100.000	KV -31000	431.924	0.5181 %
8120.000	KV -31000	432.021	0.4536 %
8140.000	KV -31000	432.105	0.3891 %
8160.000	KV -31000	432.177	0.3246 %
8180.000	KV -31000	432.235	0.2601 %
8200.000	KV -31000	432.281	0.1955 %
8220.000	KV -31000	432.313	0.1310 %
8240.000	KV -31000	432.333	0.0665 %
8260.000	KV -31000	432.340	0.0020 %
8260.616	Punto Alto	432.340	0.0000 %
8280.000	KV -31000	432.334	-0.0625 %
8300.000	KV -31000	432.315	-0.1270 %
8320.000	KV -31000	432.283	-0.1916 %
8340.000	KV -31000	432.238	-0.2561 %
8360.000	KV -31000	432.181	-0.3206 %
8380.000	KV -31000	432.110	-0.3851 %
8400.000	KV -31000	432.027	-0.4496 %
8420.000	KV -31000	431.930	-0.5141 %
8440.000	KV -31000	431.821	-0.5787 %
8460.000	KV -31000	431.699	-0.6432 %
8480.000	KV -31000	431.564	-0.7077 %
8500.000	KV -31000	431.416	-0.7722 %
8520.000	KV -31000	431.255	-0.8367 %
8540.000	KV -31000	431.081	-0.9012 %
8560.000	KV -31000	430.894	-0.9658 %
8580.000	KV -31000	430.695	-1.0303 %
8600.000	KV -31000	430.482	-1.0948 %
8620.000	KV -31000	430.257	-1.1593 %
8640.000	KV -31000	430.019	-1.2238 %
8660.000	KV -31000	429.767	-1.2883 %
8680.000	KV -31000	429.503	-1.3529 %
8700.000	KV -31000	429.226	-1.4174 %
8720.000	KV -31000	428.936	-1.4819 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
8725.616	tg. salida	428.853	-1.5000 %
8740.000	Pendiente	428.637	-1.5000 %
8760.000	Pendiente	428.337	-1.5000 %
8780.000	Pendiente	428.037	-1.5000 %
8800.000	Pendiente	427.737	-1.5000 %
8820.000	Pendiente	427.437	-1.5000 %
8840.000	Pendiente	427.137	-1.5000 %
8860.000	Pendiente	426.837	-1.5000 %
8880.000	Pendiente	426.537	-1.5000 %
8900.000	Pendiente	426.237	-1.5000 %
8920.000	Pendiente	425.937	-1.5000 %
8940.000	Pendiente	425.637	-1.5000 %
8960.000	Pendiente	425.337	-1.5000 %
8980.000	Pendiente	425.037	-1.5000 %
9000.000	Pendiente	424.737	-1.5000 %
9020.000	Pendiente	424.437	-1.5000 %
9040.000	Pendiente	424.137	-1.5000 %
9060.000	Pendiente	423.837	-1.5000 %
9080.000	Pendiente	423.537	-1.5000 %
9100.000	Pendiente	423.237	-1.5000 %
9120.000	Pendiente	422.937	-1.5000 %
9140.000	Pendiente	422.637	-1.5000 %
9160.000	Pendiente	422.337	-1.5000 %
9180.000	Pendiente	422.037	-1.5000 %
9200.000	Pendiente	421.737	-1.5000 %
9220.000	Pendiente	421.437	-1.5000 %
9240.000	Pendiente	421.137	-1.5000 %
9260.000	Pendiente	420.837	-1.5000 %
9280.000	Pendiente	420.537	-1.5000 %
9300.000	Pendiente	420.237	-1.5000 %
9320.000	Pendiente	419.937	-1.5000 %
9340.000	Pendiente	419.637	-1.5000 %
9360.000	Pendiente	419.337	-1.5000 %
9380.000	Pendiente	419.037	-1.5000 %
9400.000	Pendiente	418.737	-1.5000 %
9420.000	Pendiente	418.437	-1.5000 %
9440.000	Pendiente	418.137	-1.5000 %
9460.000	Pendiente	417.837	-1.5000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
9480.000	Pendiente	417.537	-1.5000 %
9500.000	Pendiente	417.237	-1.5000 %
9520.000	Pendiente	416.937	-1.5000 %
9540.000	Pendiente	416.637	-1.5000 %
9560.000	Pendiente	416.337	-1.5000 %
9580.000	Pendiente	416.037	-1.5000 %
9600.000	Pendiente	415.737	-1.5000 %
9620.000	Pendiente	415.437	-1.5000 %
9640.000	Pendiente	415.137	-1.5000 %
9647.787	tg. entrada	415.020	-1.5000 %
9660.000	KV -31000	414.834	-1.5394 %
9680.000	KV -31000	414.520	-1.6039 %
9700.000	KV -31000	414.193	-1.6684 %
9720.000	KV -31000	413.853	-1.7329 %
9740.000	KV -31000	413.500	-1.7975 %
9760.000	KV -31000	413.134	-1.8620 %
9780.000	KV -31000	412.755	-1.9265 %
9800.000	KV -31000	412.363	-1.9910 %
9820.000	KV -31000	411.958	-2.0555 %
9840.000	KV -31000	411.541	-2.1200 %
9860.000	KV -31000	411.110	-2.1846 %
9880.000	KV -31000	410.667	-2.2491 %
9900.000	KV -31000	410.211	-2.3136 %
9920.000	KV -31000	409.742	-2.3781 %
9940.000	KV -31000	409.260	-2.4426 %
9960.000	KV -31000	408.765	-2.5071 %
9980.000	KV -31000	408.257	-2.5717 %
10000.000	KV -31000	407.736	-2.6362 %
10020.000	KV -31000	407.202	-2.7007 %
10040.000	KV -31000	406.656	-2.7652 %
10060.000	KV -31000	406.096	-2.8297 %
10080.000	KV -31000	405.524	-2.8942 %
10100.000	KV -31000	404.939	-2.9588 %
10112.787	tg. salida	404.558	-3.0000 %
10120.000	Pendiente	404.341	-3.0000 %
10140.000	Pendiente	403.741	-3.0000 %
10160.000	Pendiente	403.141	-3.0000 %
10162.305	tg. entrada	403.072	-3.0000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
10180.000	KV 10000	402.557	-2.8231 %
10200.000	KV 10000	402.012	-2.6231 %
10220.000	KV 10000	401.508	-2.4231 %
10240.000	KV 10000	401.043	-2.2231 %
10260.000	KV 10000	400.618	-2.0231 %
10280.000	KV 10000	400.234	-1.8231 %
10300.000	KV 10000	399.889	-1.6231 %
10320.000	KV 10000	399.585	-1.4231 %
10340.000	KV 10000	399.320	-1.2231 %
10360.000	KV 10000	399.095	-1.0231 %
10380.000	KV 10000	398.911	-0.8231 %
10400.000	KV 10000	398.766	-0.6231 %
10420.000	KV 10000	398.661	-0.4231 %
10440.000	KV 10000	398.597	-0.2231 %
10460.000	KV 10000	398.572	-0.0231 %
10462.305	Punto Bajo	398.572	0.0000 %
10480.000	KV 10000	398.588	0.1769 %
10500.000	KV 10000	398.643	0.3769 %
10520.000	KV 10000	398.738	0.5769 %
10540.000	KV 10000	398.874	0.7769 %
10560.000	KV 10000	399.049	0.9769 %
10580.000	KV 10000	399.265	1.1769 %
10600.000	KV 10000	399.520	1.3769 %
10620.000	KV 10000	399.815	1.5769 %
10640.000	KV 10000	400.151	1.7769 %
10660.000	KV 10000	400.526	1.9769 %
10662.305	tg. salida	400.572	2.0000 %
10680.000	Rampa	400.926	2.0000 %
10700.000	Rampa	401.326	2.0000 %
10720.000	Rampa	401.726	2.0000 %
10740.000	Rampa	402.126	2.0000 %
10760.000	Rampa	402.526	2.0000 %
10780.000	Rampa	402.926	2.0000 %
10800.000	Rampa	403.326	2.0000 %
10820.000	Rampa	403.726	2.0000 %
10836.255	tg. entrada	404.051	2.0000 %
10840.000	KV -16000	404.125	1.9766 %
10860.000	KV -16000	404.508	1.8516 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
10880.000	KV -16000	404.866	1.7266 %
10900.000	KV -16000	405.199	1.6016 %
10920.000	KV -16000	405.507	1.4766 %
10940.000	KV -16000	405.790	1.3516 %
10960.000	KV -16000	406.047	1.2266 %
10980.000	KV -16000	406.280	1.1016 %
11000.000	KV -16000	406.488	0.9766 %
11020.000	KV -16000	406.671	0.8516 %
11040.000	KV -16000	406.829	0.7266 %
11060.000	KV -16000	406.961	0.6016 %
11080.000	KV -16000	407.069	0.4766 %
11100.000	KV -16000	407.152	0.3516 %
11120.000	KV -16000	407.210	0.2266 %
11140.000	KV -16000	407.243	0.1016 %
11156.255	Punto Alto	407.251	0.0000 %
11160.000	KV -16000	407.251	-0.0234 %
11180.000	KV -16000	407.233	-0.1484 %
11200.000	KV -16000	407.191	-0.2734 %
11220.000	KV -16000	407.124	-0.3984 %
11236.255	tg. salida	407.051	-0.5000 %
11240.000	Pendiente	407.032	-0.5000 %
11260.000	Pendiente	406.932	-0.5000 %
11280.000	Pendiente	406.832	-0.5000 %
11300.000	Pendiente	406.732	-0.5000 %
11320.000	Pendiente	406.632	-0.5000 %
11340.000	Pendiente	406.532	-0.5000 %
11360.000	Pendiente	406.432	-0.5000 %
11380.000	Pendiente	406.332	-0.5000 %
11400.000	Pendiente	406.232	-0.5000 %
11420.000	Pendiente	406.132	-0.5000 %
11440.000	Pendiente	406.032	-0.5000 %
11460.000	Pendiente	405.932	-0.5000 %
11480.000	Pendiente	405.832	-0.5000 %
11500.000	Pendiente	405.732	-0.5000 %
11520.000	Pendiente	405.632	-0.5000 %
11540.000	Pendiente	405.532	-0.5000 %
11560.000	Pendiente	405.432	-0.5000 %
11580.000	Pendiente	405.332	-0.5000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
11600.000	Pendiente	405.232	-0.5000 %
11620.000	Pendiente	405.132	-0.5000 %
11640.000	Pendiente	405.032	-0.5000 %
11660.000	Pendiente	404.932	-0.5000 %
11680.000	Pendiente	404.832	-0.5000 %
11700.000	Pendiente	404.732	-0.5000 %
11720.000	Pendiente	404.632	-0.5000 %
11740.000	Pendiente	404.532	-0.5000 %
11760.000	Pendiente	404.432	-0.5000 %
11780.000	Pendiente	404.332	-0.5000 %
11800.000	Pendiente	404.232	-0.5000 %
11820.000	Pendiente	404.132	-0.5000 %
11840.000	Pendiente	404.032	-0.5000 %
11860.000	Pendiente	403.932	-0.5000 %
11880.000	Pendiente	403.832	-0.5000 %
11900.000	Pendiente	403.732	-0.5000 %
11920.000	Pendiente	403.632	-0.5000 %
11940.000	Pendiente	403.532	-0.5000 %
11960.000	Pendiente	403.432	-0.5000 %
11980.000	Pendiente	403.332	-0.5000 %
12000.000	Pendiente	403.232	-0.5000 %
12020.000	Pendiente	403.132	-0.5000 %
12040.000	Pendiente	403.032	-0.5000 %
12060.000	Pendiente	402.932	-0.5000 %
12080.000	Pendiente	402.832	-0.5000 %
12100.000	Pendiente	402.732	-0.5000 %
12120.000	Pendiente	402.632	-0.5000 %
12140.000	Pendiente	402.532	-0.5000 %
12160.000	Pendiente	402.432	-0.5000 %
12180.000	Pendiente	402.332	-0.5000 %
12200.000	Pendiente	402.232	-0.5000 %
12204.727	tg. entrada	402.209	-0.5000 %
12220.000	KV 40000	402.135	-0.4618 %
12240.000	KV 40000	402.048	-0.4118 %
12260.000	KV 40000	401.970	-0.3618 %
12280.000	KV 40000	401.903	-0.3118 %
12300.000	KV 40000	401.846	-0.2618 %
12320.000	KV 40000	401.798	-0.2118 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
12340.000	KV 40000	401.761	-0.1618 %
12360.000	KV 40000	401.734	-0.1118 %
12380.000	KV 40000	401.716	-0.0618 %
12400.000	KV 40000	401.709	-0.0118 %
12404.727	Punto Bajo	401.709	0.0000 %
12420.000	KV 40000	401.712	0.0382 %
12440.000	KV 40000	401.724	0.0882 %
12460.000	KV 40000	401.747	0.1382 %
12480.000	KV 40000	401.779	0.1882 %
12500.000	KV 40000	401.822	0.2382 %
12520.000	KV 40000	401.875	0.2882 %
12540.000	KV 40000	401.937	0.3382 %
12560.000	KV 40000	402.010	0.3882 %
12580.000	KV 40000	402.093	0.4382 %
12600.000	KV 40000	402.185	0.4882 %
12604.727	tg. salida	402.209	0.5000 %
12620.000	Rampa	402.285	0.5000 %
12640.000	Rampa	402.385	0.5000 %
12660.000	Rampa	402.485	0.5000 %
12680.000	Rampa	402.585	0.5000 %
12700.000	Rampa	402.685	0.5000 %
12720.000	Rampa	402.785	0.5000 %
12740.000	Rampa	402.885	0.5000 %
12760.000	Rampa	402.985	0.5000 %
12780.000	Rampa	403.085	0.5000 %
12800.000	Rampa	403.185	0.5000 %
12820.000	Rampa	403.285	0.5000 %
12840.000	Rampa	403.385	0.5000 %
12860.000	Rampa	403.485	0.5000 %
12880.000	Rampa	403.585	0.5000 %
12900.000	Rampa	403.685	0.5000 %
12920.000	Rampa	403.785	0.5000 %
12940.000	Rampa	403.885	0.5000 %
12960.000	Rampa	403.985	0.5000 %
12980.000	Rampa	404.085	0.5000 %
13000.000	Rampa	404.185	0.5000 %
13020.000	Rampa	404.285	0.5000 %
13040.000	Rampa	404.385	0.5000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
13060.000	Rampa	404.485	0.5000 %
13080.000	Rampa	404.585	0.5000 %
13100.000	Rampa	404.685	0.5000 %
13120.000	Rampa	404.785	0.5000 %
13140.000	Rampa	404.885	0.5000 %
13160.000	Rampa	404.985	0.5000 %
13180.000	Rampa	405.085	0.5000 %
13200.000	Rampa	405.185	0.5000 %
13220.000	Rampa	405.285	0.5000 %
13240.000	Rampa	405.385	0.5000 %
13260.000	Rampa	405.485	0.5000 %
13280.000	Rampa	405.585	0.5000 %
13300.000	Rampa	405.685	0.5000 %
13320.000	Rampa	405.785	0.5000 %
13340.000	Rampa	405.885	0.5000 %
13360.000	Rampa	405.985	0.5000 %
13380.000	Rampa	406.085	0.5000 %
13400.000	Rampa	406.185	0.5000 %
13420.000	Rampa	406.285	0.5000 %
13440.000	Rampa	406.385	0.5000 %
13460.000	Rampa	406.485	0.5000 %
13480.000	Rampa	406.585	0.5000 %
13500.000	Rampa	406.685	0.5000 %
13520.000	Rampa	406.785	0.5000 %
13540.000	Rampa	406.885	0.5000 %
13560.000	Rampa	406.985	0.5000 %
13580.000	Rampa	407.085	0.5000 %
13600.000	Rampa	407.185	0.5000 %
13620.000	Rampa	407.285	0.5000 %
13640.000	Rampa	407.385	0.5000 %
13660.000	Rampa	407.485	0.5000 %
13680.000	Rampa	407.585	0.5000 %
13700.000	Rampa	407.685	0.5000 %
13720.000	Rampa	407.785	0.5000 %
13740.000	Rampa	407.885	0.5000 %
13760.000	Rampa	407.985	0.5000 %
13763.000	Rampa	408.000	0.5000 %

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*** ESTADO DE RASANTES ***

PENDIENTE (°)	LONGITUD (m)	PARAMETRO (kv)	VERTICE cota		ENTRADA AL ACUERDO p.k.	ACUERDO cota	SALIDA DEL ACUERDO p.k.		BISECT. (m)	DIF.PEN (%)
					0.000	394.545				
-0.500000	300.000	20000.000	906.538	390.012	756.538	390.762	1056.538	391.512	0.562	1.500
1.000000	465.000	31000.000	1863.290	399.580	1630.790	397.255	2095.790	398.417	0.872	-1.500
-0.500000	220.000	10000.000	2445.711	396.668	2335.711	397.218	2555.711	398.538	0.605	2.200
1.700000	300.000	50000.000	3793.241	419.576	3643.241	417.026	3943.241	421.226	0.225	-0.600
1.100000	288.000	16000.000	4958.926	432.398	4814.926	430.814	5102.926	431.390	0.648	-1.800
-0.700000	205.000	10000.000	5484.713	428.718	5382.213	429.435	5587.213	430.101	0.525	2.050
1.350000	697.500	31000.000	5997.527	435.641	5648.777	430.933	6346.277	432.502	1.962	-2.250
-0.900000	510.000	15000.000	8147.226	416.293	7892.226	418.588	8402.226	422.668	2.168	3.400
2.500000	640.000	16000.000	8811.739	432.906	8491.739	424.906	9131.739	428.106	3.200	-4.000
-1.500000	465.000	31000.000	10220.749	411.771	9988.249	415.259	10453.249	404.796	0.872	-1.500
-3.000000	500.000	10000.000	10763.972	395.474	10513.972	402.974	11013.972	400.474	3.125	5.000
2.000000	400.000	16000.000	11388.795	407.971	11188.795	403.971	11588.795	406.971	1.250	-2.500
-0.500000	400.000	40000.000	12749.977	401.165	12549.977	402.165	12949.977	402.165	0.500	1.000
0.500000							14117.000	408.000		

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
0.000	Pendiente	394.545	-0.5000 %
20.000	Pendiente	394.445	-0.5000 %
40.000	Pendiente	394.345	-0.5000 %
60.000	Pendiente	394.245	-0.5000 %
80.000	Pendiente	394.145	-0.5000 %
100.000	Pendiente	394.045	-0.5000 %
120.000	Pendiente	393.945	-0.5000 %
140.000	Pendiente	393.845	-0.5000 %
160.000	Pendiente	393.745	-0.5000 %
180.000	Pendiente	393.645	-0.5000 %
200.000	Pendiente	393.545	-0.5000 %
220.000	Pendiente	393.445	-0.5000 %
240.000	Pendiente	393.345	-0.5000 %
260.000	Pendiente	393.245	-0.5000 %
280.000	Pendiente	393.145	-0.5000 %
300.000	Pendiente	393.045	-0.5000 %
320.000	Pendiente	392.945	-0.5000 %
340.000	Pendiente	392.845	-0.5000 %
360.000	Pendiente	392.745	-0.5000 %
380.000	Pendiente	392.645	-0.5000 %
400.000	Pendiente	392.545	-0.5000 %
420.000	Pendiente	392.445	-0.5000 %
440.000	Pendiente	392.345	-0.5000 %
460.000	Pendiente	392.245	-0.5000 %
480.000	Pendiente	392.145	-0.5000 %
500.000	Pendiente	392.045	-0.5000 %
520.000	Pendiente	391.945	-0.5000 %
540.000	Pendiente	391.845	-0.5000 %
560.000	Pendiente	391.745	-0.5000 %
580.000	Pendiente	391.645	-0.5000 %
600.000	Pendiente	391.545	-0.5000 %
620.000	Pendiente	391.445	-0.5000 %
640.000	Pendiente	391.345	-0.5000 %
660.000	Pendiente	391.245	-0.5000 %
680.000	Pendiente	391.145	-0.5000 %
700.000	Pendiente	391.045	-0.5000 %
720.000	Pendiente	390.945	-0.5000 %
740.000	Pendiente	390.845	-0.5000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
756.538	tg. entrada	390.762	-0.5000 %
760.000	KV 20000	390.745	-0.4827 %
780.000	KV 20000	390.659	-0.3827 %
800.000	KV 20000	390.592	-0.2827 %
820.000	KV 20000	390.546	-0.1827 %
840.000	KV 20000	390.519	-0.0827 %
856.538	Punto Bajo	390.512	0.0000 %
860.000	KV 20000	390.513	0.0173 %
880.000	KV 20000	390.526	0.1173 %
900.000	KV 20000	390.559	0.2173 %
920.000	KV 20000	390.613	0.3173 %
940.000	KV 20000	390.686	0.4173 %
960.000	KV 20000	390.780	0.5173 %
980.000	KV 20000	390.893	0.6173 %
1000.000	KV 20000	391.027	0.7173 %
1020.000	KV 20000	391.180	0.8173 %
1040.000	KV 20000	391.354	0.9173 %
1056.538	tg. salida	391.512	1.0000 %
1060.000	Rampa	391.547	1.0000 %
1080.000	Rampa	391.747	1.0000 %
1100.000	Rampa	391.947	1.0000 %
1120.000	Rampa	392.147	1.0000 %
1140.000	Rampa	392.347	1.0000 %
1160.000	Rampa	392.547	1.0000 %
1180.000	Rampa	392.747	1.0000 %
1200.000	Rampa	392.947	1.0000 %
1220.000	Rampa	393.147	1.0000 %
1240.000	Rampa	393.347	1.0000 %
1260.000	Rampa	393.547	1.0000 %
1280.000	Rampa	393.747	1.0000 %
1300.000	Rampa	393.947	1.0000 %
1320.000	Rampa	394.147	1.0000 %
1340.000	Rampa	394.347	1.0000 %
1360.000	Rampa	394.547	1.0000 %
1380.000	Rampa	394.747	1.0000 %
1400.000	Rampa	394.947	1.0000 %
1420.000	Rampa	395.147	1.0000 %
1440.000	Rampa	395.347	1.0000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
1460.000	Rampa	395.547	1.0000 %
1480.000	Rampa	395.747	1.0000 %
1500.000	Rampa	395.947	1.0000 %
1520.000	Rampa	396.147	1.0000 %
1540.000	Rampa	396.347	1.0000 %
1560.000	Rampa	396.547	1.0000 %
1580.000	Rampa	396.747	1.0000 %
1600.000	Rampa	396.947	1.0000 %
1620.000	Rampa	397.147	1.0000 %
1630.790	tg. entrada	397.255	1.0000 %
1640.000	KV -31000	397.345	0.9703 %
1660.000	KV -31000	397.533	0.9058 %
1680.000	KV -31000	397.708	0.8413 %
1700.000	KV -31000	397.870	0.7767 %
1720.000	KV -31000	398.018	0.7122 %
1740.000	KV -31000	398.154	0.6477 %
1760.000	KV -31000	398.278	0.5832 %
1780.000	KV -31000	398.388	0.5187 %
1800.000	KV -31000	398.485	0.4542 %
1820.000	KV -31000	398.569	0.3896 %
1840.000	KV -31000	398.641	0.3251 %
1860.000	KV -31000	398.699	0.2606 %
1880.000	KV -31000	398.745	0.1961 %
1900.000	KV -31000	398.778	0.1316 %
1920.000	KV -31000	398.798	0.0671 %
1940.000	KV -31000	398.805	0.0025 %
1940.790	Punto Alto	398.805	0.0000 %
1960.000	KV -31000	398.799	-0.0620 %
1980.000	KV -31000	398.780	-0.1265 %
2000.000	KV -31000	398.748	-0.1910 %
2020.000	KV -31000	398.704	-0.2555 %
2040.000	KV -31000	398.646	-0.3200 %
2060.000	KV -31000	398.576	-0.3845 %
2080.000	KV -31000	398.492	-0.4491 %
2095.790	tg. salida	398.417	-0.5000 %
2100.000	Pendiente	398.396	-0.5000 %
2120.000	Pendiente	398.296	-0.5000 %
2140.000	Pendiente	398.196	-0.5000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
2160.000	Pendiente	398.096	-0.5000 %
2180.000	Pendiente	397.996	-0.5000 %
2200.000	Pendiente	397.896	-0.5000 %
2220.000	Pendiente	397.796	-0.5000 %
2240.000	Pendiente	397.696	-0.5000 %
2260.000	Pendiente	397.596	-0.5000 %
2280.000	Pendiente	397.496	-0.5000 %
2300.000	Pendiente	397.396	-0.5000 %
2320.000	Pendiente	397.296	-0.5000 %
2335.711	tg. entrada	397.218	-0.5000 %
2340.000	KV 10000	397.197	-0.4571 %
2360.000	KV 10000	397.126	-0.2571 %
2380.000	KV 10000	397.094	-0.0571 %
2385.711	Punto Bajo	397.093	0.0000 %
2400.000	KV 10000	397.103	0.1429 %
2420.000	KV 10000	397.151	0.3429 %
2440.000	KV 10000	397.240	0.5429 %
2460.000	KV 10000	397.369	0.7429 %
2480.000	KV 10000	397.537	0.9429 %
2500.000	KV 10000	397.746	1.1429 %
2520.000	KV 10000	397.994	1.3429 %
2540.000	KV 10000	398.283	1.5429 %
2555.711	tg. salida	398.538	1.7000 %
2560.000	Rampa	398.611	1.7000 %
2580.000	Rampa	398.951	1.7000 %
2600.000	Rampa	399.291	1.7000 %
2620.000	Rampa	399.631	1.7000 %
2640.000	Rampa	399.971	1.7000 %
2660.000	Rampa	400.311	1.7000 %
2680.000	Rampa	400.651	1.7000 %
2700.000	Rampa	400.991	1.7000 %
2720.000	Rampa	401.331	1.7000 %
2740.000	Rampa	401.671	1.7000 %
2760.000	Rampa	402.011	1.7000 %
2780.000	Rampa	402.351	1.7000 %
2800.000	Rampa	402.691	1.7000 %
2820.000	Rampa	403.031	1.7000 %
2840.000	Rampa	403.371	1.7000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
2860.000	Rampa	403.711	1.7000 %
2880.000	Rampa	404.051	1.7000 %
2900.000	Rampa	404.391	1.7000 %
2920.000	Rampa	404.731	1.7000 %
2940.000	Rampa	405.071	1.7000 %
2960.000	Rampa	405.411	1.7000 %
2980.000	Rampa	405.751	1.7000 %
3000.000	Rampa	406.091	1.7000 %
3020.000	Rampa	406.431	1.7000 %
3040.000	Rampa	406.771	1.7000 %
3060.000	Rampa	407.111	1.7000 %
3080.000	Rampa	407.451	1.7000 %
3100.000	Rampa	407.791	1.7000 %
3120.000	Rampa	408.131	1.7000 %
3140.000	Rampa	408.471	1.7000 %
3160.000	Rampa	408.811	1.7000 %
3180.000	Rampa	409.151	1.7000 %
3200.000	Rampa	409.491	1.7000 %
3220.000	Rampa	409.831	1.7000 %
3240.000	Rampa	410.171	1.7000 %
3260.000	Rampa	410.511	1.7000 %
3280.000	Rampa	410.851	1.7000 %
3300.000	Rampa	411.191	1.7000 %
3320.000	Rampa	411.531	1.7000 %
3340.000	Rampa	411.871	1.7000 %
3360.000	Rampa	412.211	1.7000 %
3380.000	Rampa	412.551	1.7000 %
3400.000	Rampa	412.891	1.7000 %
3420.000	Rampa	413.231	1.7000 %
3440.000	Rampa	413.571	1.7000 %
3460.000	Rampa	413.911	1.7000 %
3480.000	Rampa	414.251	1.7000 %
3500.000	Rampa	414.591	1.7000 %
3520.000	Rampa	414.931	1.7000 %
3540.000	Rampa	415.271	1.7000 %
3560.000	Rampa	415.611	1.7000 %
3580.000	Rampa	415.951	1.7000 %
3600.000	Rampa	416.291	1.7000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
3620.000	Rampa	416.631	1.7000 %
3640.000	Rampa	416.971	1.7000 %
3643.241	tg. entrada	417.026	1.7000 %
3660.000	KV -50000	417.308	1.6665 %
3680.000	KV -50000	417.637	1.6265 %
3700.000	KV -50000	417.958	1.5865 %
3720.000	KV -50000	418.272	1.5465 %
3740.000	KV -50000	418.577	1.5065 %
3760.000	KV -50000	418.874	1.4665 %
3780.000	KV -50000	419.164	1.4265 %
3800.000	KV -50000	419.445	1.3865 %
3820.000	KV -50000	419.718	1.3465 %
3840.000	KV -50000	419.983	1.3065 %
3860.000	KV -50000	420.241	1.2665 %
3880.000	KV -50000	420.490	1.2265 %
3900.000	KV -50000	420.731	1.1865 %
3920.000	KV -50000	420.965	1.1465 %
3940.000	KV -50000	421.190	1.1065 %
3943.241	tg. salida	421.226	1.1000 %
3960.000	Rampa	421.410	1.1000 %
3980.000	Rampa	421.630	1.1000 %
4000.000	Rampa	421.850	1.1000 %
4020.000	Rampa	422.070	1.1000 %
4040.000	Rampa	422.290	1.1000 %
4060.000	Rampa	422.510	1.1000 %
4080.000	Rampa	422.730	1.1000 %
4100.000	Rampa	422.950	1.1000 %
4120.000	Rampa	423.170	1.1000 %
4140.000	Rampa	423.390	1.1000 %
4160.000	Rampa	423.610	1.1000 %
4180.000	Rampa	423.830	1.1000 %
4200.000	Rampa	424.050	1.1000 %
4220.000	Rampa	424.270	1.1000 %
4240.000	Rampa	424.490	1.1000 %
4260.000	Rampa	424.710	1.1000 %
4280.000	Rampa	424.930	1.1000 %
4300.000	Rampa	425.150	1.1000 %
4320.000	Rampa	425.370	1.1000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
4340.000	Rampa	425.590	1.1000 %
4360.000	Rampa	425.810	1.1000 %
4380.000	Rampa	426.030	1.1000 %
4400.000	Rampa	426.250	1.1000 %
4420.000	Rampa	426.470	1.1000 %
4440.000	Rampa	426.690	1.1000 %
4460.000	Rampa	426.910	1.1000 %
4480.000	Rampa	427.130	1.1000 %
4500.000	Rampa	427.350	1.1000 %
4520.000	Rampa	427.570	1.1000 %
4540.000	Rampa	427.790	1.1000 %
4560.000	Rampa	428.010	1.1000 %
4580.000	Rampa	428.230	1.1000 %
4600.000	Rampa	428.450	1.1000 %
4620.000	Rampa	428.670	1.1000 %
4640.000	Rampa	428.890	1.1000 %
4660.000	Rampa	429.110	1.1000 %
4680.000	Rampa	429.330	1.1000 %
4700.000	Rampa	429.550	1.1000 %
4720.000	Rampa	429.770	1.1000 %
4740.000	Rampa	429.990	1.1000 %
4760.000	Rampa	430.210	1.1000 %
4780.000	Rampa	430.430	1.1000 %
4800.000	Rampa	430.650	1.1000 %
4814.926	tg. entrada	430.814	1.1000 %
4820.000	KV -16000	430.869	1.0683 %
4840.000	KV -16000	431.070	0.9433 %
4860.000	KV -16000	431.247	0.8183 %
4880.000	KV -16000	431.398	0.6933 %
4900.000	KV -16000	431.524	0.5683 %
4920.000	KV -16000	431.625	0.4433 %
4940.000	KV -16000	431.701	0.3183 %
4960.000	KV -16000	431.752	0.1933 %
4980.000	KV -16000	431.778	0.0683 %
4990.926	Punto Alto	431.782	0.0000 %
5000.000	KV -16000	431.780	-0.0567 %
5020.000	KV -16000	431.756	-0.1817 %
5040.000	KV -16000	431.707	-0.3067 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
5060.000	KV -16000	431.633	-0.4317 %
5080.000	KV -16000	431.534	-0.5567 %
5100.000	KV -16000	431.410	-0.6817 %
5102.926	tg. salida	431.390	-0.7000 %
5120.000	Pendiente	431.271	-0.7000 %
5140.000	Pendiente	431.131	-0.7000 %
5160.000	Pendiente	430.991	-0.7000 %
5180.000	Pendiente	430.851	-0.7000 %
5200.000	Pendiente	430.711	-0.7000 %
5220.000	Pendiente	430.571	-0.7000 %
5240.000	Pendiente	430.431	-0.7000 %
5260.000	Pendiente	430.291	-0.7000 %
5280.000	Pendiente	430.151	-0.7000 %
5300.000	Pendiente	430.011	-0.7000 %
5320.000	Pendiente	429.871	-0.7000 %
5340.000	Pendiente	429.731	-0.7000 %
5360.000	Pendiente	429.591	-0.7000 %
5380.000	Pendiente	429.451	-0.7000 %
5382.213	tg. entrada	429.435	-0.7000 %
5400.000	KV 10000	429.326	-0.3221 %
5420.000	KV 10000	429.242	-0.3221 %
5440.000	KV 10000	429.198	-0.1221 %
5452.213	Punto Bajo	429.190	0.0000 %
5460.000	KV 10000	429.193	0.0779 %
5480.000	KV 10000	429.229	0.2779 %
5500.000	KV 10000	429.304	0.4779 %
5520.000	KV 10000	429.420	0.6779 %
5540.000	KV 10000	429.575	0.8779 %
5560.000	KV 10000	429.771	1.0779 %
5580.000	KV 10000	430.007	1.2779 %
5587.213	tg. salida	430.101	1.3500 %
5600.000	Rampa	430.274	1.3500 %
5620.000	Rampa	430.544	1.3500 %
5640.000	Rampa	430.814	1.3500 %
5648.777	tg. entrada	430.933	1.3500 %
5660.000	KV -31000	431.082	1.3138 %
5680.000	KV -31000	431.338	1.2493 %
5700.000	KV -31000	431.582	1.1848 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
5720.000	KV -31000	431.812	1.1202 %
5740.000	KV -31000	432.030	1.0557 %
5760.000	KV -31000	432.235	0.9912 %
5780.000	KV -31000	432.426	0.9267 %
5800.000	KV -31000	432.605	0.8622 %
5820.000	KV -31000	432.771	0.7977 %
5840.000	KV -31000	432.924	0.7332 %
5860.000	KV -31000	433.064	0.6686 %
5880.000	KV -31000	433.192	0.6041 %
5900.000	KV -31000	433.306	0.5396 %
5920.000	KV -31000	433.408	0.4751 %
5940.000	KV -31000	433.496	0.4106 %
5960.000	KV -31000	433.572	0.3461 %
5980.000	KV -31000	433.635	0.2815 %
6000.000	KV -31000	433.684	0.2170 %
6020.000	KV -31000	433.721	0.1525 %
6040.000	KV -31000	433.745	0.0880 %
6060.000	KV -31000	433.757	0.0235 %
6067.277	Punto Alto	433.757	0.0000 %
6080.000	KV -31000	433.755	-0.0410 %
6100.000	KV -31000	433.740	-0.1056 %
6120.000	KV -31000	433.713	-0.1701 %
6140.000	KV -31000	433.672	-0.2346 %
6160.000	KV -31000	433.619	-0.2991 %
6180.000	KV -31000	433.552	-0.3636 %
6200.000	KV -31000	433.473	-0.4281 %
6220.000	KV -31000	433.381	-0.4927 %
6240.000	KV -31000	433.276	-0.5572 %
6260.000	KV -31000	433.158	-0.6217 %
6280.000	KV -31000	433.028	-0.6862 %
6300.000	KV -31000	432.884	-0.7507 %
6320.000	KV -31000	432.727	-0.8152 %
6340.000	KV -31000	432.558	-0.8798 %
6346.277	tg. salida	432.502	-0.9000 %
6360.000	Pendiente	432.378	-0.9000 %
6380.000	Pendiente	432.198	-0.9000 %
6400.000	Pendiente	432.018	-0.9000 %
6420.000	Pendiente	431.838	-0.9000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
6440.000	Pendiente	431.658	-0.9000 %
6460.000	Pendiente	431.478	-0.9000 %
6480.000	Pendiente	431.298	-0.9000 %
6500.000	Pendiente	431.118	-0.9000 %
6520.000	Pendiente	430.938	-0.9000 %
6540.000	Pendiente	430.758	-0.9000 %
6560.000	Pendiente	430.578	-0.9000 %
6580.000	Pendiente	430.398	-0.9000 %
6600.000	Pendiente	430.218	-0.9000 %
6620.000	Pendiente	430.038	-0.9000 %
6640.000	Pendiente	429.858	-0.9000 %
6660.000	Pendiente	429.678	-0.9000 %
6680.000	Pendiente	429.498	-0.9000 %
6700.000	Pendiente	429.318	-0.9000 %
6720.000	Pendiente	429.138	-0.9000 %
6740.000	Pendiente	428.958	-0.9000 %
6760.000	Pendiente	428.778	-0.9000 %
6780.000	Pendiente	428.598	-0.9000 %
6800.000	Pendiente	428.418	-0.9000 %
6820.000	Pendiente	428.238	-0.9000 %
6840.000	Pendiente	428.058	-0.9000 %
6860.000	Pendiente	427.878	-0.9000 %
6880.000	Pendiente	427.698	-0.9000 %
6900.000	Pendiente	427.518	-0.9000 %
6920.000	Pendiente	427.338	-0.9000 %
6940.000	Pendiente	427.158	-0.9000 %
6960.000	Pendiente	426.978	-0.9000 %
6980.000	Pendiente	426.798	-0.9000 %
7000.000	Pendiente	426.618	-0.9000 %
7020.000	Pendiente	426.438	-0.9000 %
7040.000	Pendiente	426.258	-0.9000 %
7060.000	Pendiente	426.078	-0.9000 %
7080.000	Pendiente	425.898	-0.9000 %
7100.000	Pendiente	425.718	-0.9000 %
7120.000	Pendiente	425.538	-0.9000 %
7140.000	Pendiente	425.358	-0.9000 %
7160.000	Pendiente	425.178	-0.9000 %
7180.000	Pendiente	424.998	-0.9000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
7200.000	Pendiente	424.818	-0.9000 %
7220.000	Pendiente	424.638	-0.9000 %
7240.000	Pendiente	424.458	-0.9000 %
7260.000	Pendiente	424.278	-0.9000 %
7280.000	Pendiente	424.098	-0.9000 %
7300.000	Pendiente	423.918	-0.9000 %
7320.000	Pendiente	423.738	-0.9000 %
7340.000	Pendiente	423.558	-0.9000 %
7360.000	Pendiente	423.378	-0.9000 %
7380.000	Pendiente	423.198	-0.9000 %
7400.000	Pendiente	423.018	-0.9000 %
7420.000	Pendiente	422.838	-0.9000 %
7440.000	Pendiente	422.658	-0.9000 %
7460.000	Pendiente	422.478	-0.9000 %
7480.000	Pendiente	422.298	-0.9000 %
7500.000	Pendiente	422.118	-0.9000 %
7520.000	Pendiente	421.938	-0.9000 %
7540.000	Pendiente	421.758	-0.9000 %
7560.000	Pendiente	421.578	-0.9000 %
7580.000	Pendiente	421.398	-0.9000 %
7600.000	Pendiente	421.218	-0.9000 %
7620.000	Pendiente	421.038	-0.9000 %
7640.000	Pendiente	420.858	-0.9000 %
7660.000	Pendiente	420.678	-0.9000 %
7680.000	Pendiente	420.498	-0.9000 %
7700.000	Pendiente	420.318	-0.9000 %
7720.000	Pendiente	420.138	-0.9000 %
7740.000	Pendiente	419.958	-0.9000 %
7760.000	Pendiente	419.778	-0.9000 %
7780.000	Pendiente	419.598	-0.9000 %
7800.000	Pendiente	419.418	-0.9000 %
7820.000	Pendiente	419.238	-0.9000 %
7840.000	Pendiente	419.058	-0.9000 %
7860.000	Pendiente	418.878	-0.9000 %
7880.000	Pendiente	418.698	-0.9000 %
7892.226	tg. entrada	418.588	-0.9000 %
7900.000	KV 15000	418.520	-0.8482 %
7920.000	KV 15000	418.364	-0.7148 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
7940.000	KV 15000	418.234	-0.5815 %
7960.000	KV 15000	418.132	-0.4482 %
7980.000	KV 15000	418.055	-0.3148 %
8000.000	KV 15000	418.006	-0.1815 %
8020.000	KV 15000	417.983	-0.0482 %
8027.226	Punto Bajo	417.981	0.0000 %
8040.000	KV 15000	417.986	0.0852 %
8060.000	KV 15000	418.017	0.2185 %
8080.000	KV 15000	418.074	0.3518 %
8100.000	KV 15000	418.157	0.4852 %
8120.000	KV 15000	418.268	0.6185 %
8140.000	KV 15000	418.405	0.7518 %
8160.000	KV 15000	418.568	0.8852 %
8180.000	KV 15000	418.759	1.0185 %
8200.000	KV 15000	418.976	1.1518 %
8220.000	KV 15000	419.220	1.2852 %
8240.000	KV 15000	419.490	1.4185 %
8260.000	KV 15000	419.787	1.5518 %
8280.000	KV 15000	420.111	1.6852 %
8300.000	KV 15000	420.461	1.8185 %
8320.000	KV 15000	420.838	1.9518 %
8340.000	KV 15000	421.242	2.0852 %
8360.000	KV 15000	421.672	2.2185 %
8380.000	KV 15000	422.129	2.3518 %
8400.000	KV 15000	422.613	2.4852 %
8402.226	tg. salida	422.668	2.5000 %
8420.000	Rampa	423.113	2.5000 %
8440.000	Rampa	423.613	2.5000 %
8460.000	Rampa	424.113	2.5000 %
8480.000	Rampa	424.613	2.5000 %
8491.739	tg. entrada	424.906	2.5000 %
8500.000	KV -16000	425.111	2.4484 %
8520.000	KV -16000	425.588	2.3234 %
8540.000	KV -16000	426.040	2.1984 %
8560.000	KV -16000	426.467	2.0734 %
8580.000	KV -16000	426.869	1.9484 %
8600.000	KV -16000	427.246	1.8234 %
8620.000	KV -16000	427.599	1.6984 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
8640.000	KV -16000	427.926	1.5734 %
8660.000	KV -16000	428.228	1.4484 %
8680.000	KV -16000	428.505	1.3234 %
8700.000	KV -16000	428.757	1.1984 %
8720.000	KV -16000	428.984	1.0734 %
8740.000	KV -16000	429.187	0.9484 %
8760.000	KV -16000	429.364	0.8234 %
8780.000	KV -16000	429.516	0.6984 %
8800.000	KV -16000	429.643	0.5734 %
8820.000	KV -16000	429.745	0.4484 %
8840.000	KV -16000	429.823	0.3234 %
8860.000	KV -16000	429.875	0.1984 %
8880.000	KV -16000	429.902	0.0734 %
8891.739	Punto Alto	429.906	0.0000 %
8900.000	KV -16000	429.904	-0.0516 %
8920.000	KV -16000	429.881	-0.1766 %
8940.000	KV -16000	429.833	-0.3016 %
8960.000	KV -16000	429.761	-0.4266 %
8980.000	KV -16000	429.663	-0.5516 %
9000.000	KV -16000	429.540	-0.6766 %
9020.000	KV -16000	429.392	-0.8016 %
9040.000	KV -16000	429.219	-0.9266 %
9060.000	KV -16000	429.021	-1.0516 %
9080.000	KV -16000	428.799	-1.1766 %
9100.000	KV -16000	428.551	-1.3016 %
9120.000	KV -16000	428.278	-1.4266 %
9131.739	tg. salida	428.106	-1.5000 %
9140.000	Pendiente	427.982	-1.5000 %
9160.000	Pendiente	427.682	-1.5000 %
9180.000	Pendiente	427.382	-1.5000 %
9200.000	Pendiente	427.082	-1.5000 %
9220.000	Pendiente	426.782	-1.5000 %
9240.000	Pendiente	426.482	-1.5000 %
9260.000	Pendiente	426.182	-1.5000 %
9280.000	Pendiente	425.882	-1.5000 %
9300.000	Pendiente	425.582	-1.5000 %
9320.000	Pendiente	425.282	-1.5000 %
9340.000	Pendiente	424.982	-1.5000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
9360.000	Pendiente	424.682	-1.5000 %
9380.000	Pendiente	424.382	-1.5000 %
9400.000	Pendiente	424.082	-1.5000 %
9420.000	Pendiente	423.782	-1.5000 %
9440.000	Pendiente	423.482	-1.5000 %
9460.000	Pendiente	423.182	-1.5000 %
9480.000	Pendiente	422.882	-1.5000 %
9500.000	Pendiente	422.582	-1.5000 %
9520.000	Pendiente	422.282	-1.5000 %
9540.000	Pendiente	421.982	-1.5000 %
9560.000	Pendiente	421.682	-1.5000 %
9580.000	Pendiente	421.382	-1.5000 %
9600.000	Pendiente	421.082	-1.5000 %
9620.000	Pendiente	420.782	-1.5000 %
9640.000	Pendiente	420.482	-1.5000 %
9660.000	Pendiente	420.182	-1.5000 %
9680.000	Pendiente	419.882	-1.5000 %
9700.000	Pendiente	419.582	-1.5000 %
9720.000	Pendiente	419.282	-1.5000 %
9740.000	Pendiente	418.982	-1.5000 %
9760.000	Pendiente	418.682	-1.5000 %
9780.000	Pendiente	418.382	-1.5000 %
9800.000	Pendiente	418.082	-1.5000 %
9820.000	Pendiente	417.782	-1.5000 %
9840.000	Pendiente	417.482	-1.5000 %
9860.000	Pendiente	417.182	-1.5000 %
9880.000	Pendiente	416.882	-1.5000 %
9900.000	Pendiente	416.582	-1.5000 %
9920.000	Pendiente	416.282	-1.5000 %
9940.000	Pendiente	415.982	-1.5000 %
9960.000	Pendiente	415.682	-1.5000 %
9980.000	Pendiente	415.382	-1.5000 %
9988.249	tg. entrada	415.259	-1.5000 %
10000.000	KV -31000	415.080	-1.5379 %
10020.000	KV -31000	414.766	-1.6024 %
10040.000	KV -31000	414.439	-1.6669 %
10060.000	KV -31000	414.099	-1.7315 %
10080.000	KV -31000	413.746	-1.7960 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
10100.000	KV -31000	413.381	-1.8605 %
10120.000	KV -31000	413.002	-1.9250 %
10140.000	KV -31000	412.611	-1.9895 %
10160.000	KV -31000	412.206	-2.0540 %
10180.000	KV -31000	411.789	-2.1186 %
10200.000	KV -31000	411.359	-2.1831 %
10220.000	KV -31000	410.916	-2.2476 %
10240.000	KV -31000	410.460	-2.3121 %
10260.000	KV -31000	409.991	-2.3766 %
10280.000	KV -31000	409.509	-2.4411 %
10300.000	KV -31000	409.015	-2.5056 %
10320.000	KV -31000	408.507	-2.5702 %
10340.000	KV -31000	407.987	-2.6347 %
10360.000	KV -31000	407.453	-2.6992 %
10380.000	KV -31000	406.907	-2.7637 %
10400.000	KV -31000	406.348	-2.8282 %
10420.000	KV -31000	405.776	-2.8927 %
10440.000	KV -31000	405.191	-2.9573 %
10453.249	tg. salida	404.796	-3.0000 %
10460.000	Pendiente	404.593	-3.0000 %
10480.000	Pendiente	403.993	-3.0000 %
10500.000	Pendiente	403.393	-3.0000 %
10513.972	tg. entrada	402.974	-3.0000 %
10520.000	KV 10000	402.795	-2.9397 %
10540.000	KV 10000	402.227	-2.7397 %
10560.000	KV 10000	401.699	-2.5397 %
10580.000	KV 10000	401.211	-2.3397 %
10600.000	KV 10000	400.764	-2.1397 %
10620.000	KV 10000	400.356	-1.9397 %
10640.000	KV 10000	399.988	-1.7397 %
10660.000	KV 10000	399.660	-1.5397 %
10680.000	KV 10000	399.372	-1.3397 %
10700.000	KV 10000	399.124	-1.1397 %
10720.000	KV 10000	398.916	-0.9397 %
10740.000	KV 10000	398.748	-0.7397 %
10760.000	KV 10000	398.620	-0.5397 %
10780.000	KV 10000	398.532	-0.3397 %
10800.000	KV 10000	398.484	-0.1397 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
10813.972	Punto Bajo	398.474	0.0000 %
10820.000	KV 10000	398.476	0.0603 %
10840.000	KV 10000	398.508	0.2603 %
10860.000	KV 10000	398.580	0.4603 %
10880.000	KV 10000	398.692	0.6603 %
10900.000	KV 10000	398.844	0.8603 %
10920.000	KV 10000	399.036	1.0603 %
10940.000	KV 10000	399.268	1.2603 %
10960.000	KV 10000	399.541	1.4603 %
10980.000	KV 10000	399.853	1.6603 %
11000.000	KV 10000	400.205	1.8603 %
11013.972	tg. salida	400.474	2.0000 %
11020.000	Rampa	400.595	2.0000 %
11040.000	Rampa	400.995	2.0000 %
11060.000	Rampa	401.395	2.0000 %
11080.000	Rampa	401.795	2.0000 %
11100.000	Rampa	402.195	2.0000 %
11120.000	Rampa	402.595	2.0000 %
11140.000	Rampa	402.995	2.0000 %
11160.000	Rampa	403.395	2.0000 %
11180.000	Rampa	403.795	2.0000 %
11188.795	tg. entrada	403.971	2.0000 %
11200.000	KV -16000	404.191	1.9300 %
11220.000	KV -16000	404.564	1.8050 %
11240.000	KV -16000	404.913	1.6800 %
11260.000	KV -16000	405.236	1.5550 %
11280.000	KV -16000	405.535	1.4300 %
11300.000	KV -16000	405.808	1.3050 %
11320.000	KV -16000	406.057	1.1800 %
11340.000	KV -16000	406.280	1.0550 %
11360.000	KV -16000	406.479	0.9300 %
11380.000	KV -16000	406.652	0.8050 %
11400.000	KV -16000	406.801	0.6800 %
11420.000	KV -16000	406.924	0.5550 %
11440.000	KV -16000	407.023	0.4300 %
11460.000	KV -16000	407.096	0.3050 %
11480.000	KV -16000	407.145	0.1800 %
11500.000	KV -16000	407.168	0.0550 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
11508.795	Punto Alto	407.171	0.0000 %
11520.000	KV -16000	407.167	-0.0700 %
11540.000	KV -16000	407.140	-0.1950 %
11560.000	KV -16000	407.089	-0.3200 %
11580.000	KV -16000	407.012	-0.4450 %
11588.795	tg. salida	406.971	-0.5000 %
11600.000	Pendiente	406.915	-0.5000 %
11620.000	Pendiente	406.815	-0.5000 %
11640.000	Pendiente	406.715	-0.5000 %
11660.000	Pendiente	406.615	-0.5000 %
11680.000	Pendiente	406.515	-0.5000 %
11700.000	Pendiente	406.415	-0.5000 %
11720.000	Pendiente	406.315	-0.5000 %
11740.000	Pendiente	406.215	-0.5000 %
11760.000	Pendiente	406.115	-0.5000 %
11780.000	Pendiente	406.015	-0.5000 %
11800.000	Pendiente	405.915	-0.5000 %
11820.000	Pendiente	405.815	-0.5000 %
11840.000	Pendiente	405.715	-0.5000 %
11860.000	Pendiente	405.615	-0.5000 %
11880.000	Pendiente	405.515	-0.5000 %
11900.000	Pendiente	405.415	-0.5000 %
11920.000	Pendiente	405.315	-0.5000 %
11940.000	Pendiente	405.215	-0.5000 %
11960.000	Pendiente	405.115	-0.5000 %
11980.000	Pendiente	405.015	-0.5000 %
12000.000	Pendiente	404.915	-0.5000 %
12020.000	Pendiente	404.815	-0.5000 %
12040.000	Pendiente	404.715	-0.5000 %
12060.000	Pendiente	404.615	-0.5000 %
12080.000	Pendiente	404.515	-0.5000 %
12100.000	Pendiente	404.415	-0.5000 %
12120.000	Pendiente	404.315	-0.5000 %
12140.000	Pendiente	404.215	-0.5000 %
12160.000	Pendiente	404.115	-0.5000 %
12180.000	Pendiente	404.015	-0.5000 %
12200.000	Pendiente	403.915	-0.5000 %
12220.000	Pendiente	403.815	-0.5000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
12240.000	Pendiente	403.715	-0.5000 %
12260.000	Pendiente	403.615	-0.5000 %
12280.000	Pendiente	403.515	-0.5000 %
12300.000	Pendiente	403.415	-0.5000 %
12320.000	Pendiente	403.315	-0.5000 %
12340.000	Pendiente	403.215	-0.5000 %
12360.000	Pendiente	403.115	-0.5000 %
12380.000	Pendiente	403.015	-0.5000 %
12400.000	Pendiente	402.915	-0.5000 %
12420.000	Pendiente	402.815	-0.5000 %
12440.000	Pendiente	402.715	-0.5000 %
12460.000	Pendiente	402.615	-0.5000 %
12480.000	Pendiente	402.515	-0.5000 %
12500.000	Pendiente	402.415	-0.5000 %
12520.000	Pendiente	402.315	-0.5000 %
12540.000	Pendiente	402.215	-0.5000 %
12549.977	tg. entrada	402.165	-0.5000 %
12560.000	KV 40000	402.116	-0.4749 %
12580.000	KV 40000	402.026	-0.4249 %
12600.000	KV 40000	401.946	-0.3749 %
12620.000	KV 40000	401.876	-0.3249 %
12640.000	KV 40000	401.816	-0.2749 %
12660.000	KV 40000	401.766	-0.2249 %
12680.000	KV 40000	401.726	-0.1749 %
12700.000	KV 40000	401.696	-0.1249 %
12720.000	KV 40000	401.676	-0.0749 %
12740.000	KV 40000	401.666	-0.0249 %
12749.977	Punto Bajo	401.665	0.0000 %
12760.000	KV 40000	401.666	0.0251 %
12780.000	KV 40000	401.676	0.0751 %
12800.000	KV 40000	401.696	0.1251 %
12820.000	KV 40000	401.726	0.1751 %
12840.000	KV 40000	401.766	0.2251 %
12860.000	KV 40000	401.816	0.2751 %
12880.000	KV 40000	401.876	0.3251 %
12900.000	KV 40000	401.946	0.3751 %
12920.000	KV 40000	402.026	0.4251 %
12940.000	KV 40000	402.116	0.4751 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
12949.977	tg. salida	402.165	0.5000 %
12960.000	Rampa	402.215	0.5000 %
12980.000	Rampa	402.315	0.5000 %
13000.000	Rampa	402.415	0.5000 %
13020.000	Rampa	402.515	0.5000 %
13040.000	Rampa	402.615	0.5000 %
13060.000	Rampa	402.715	0.5000 %
13080.000	Rampa	402.815	0.5000 %
13100.000	Rampa	402.915	0.5000 %
13120.000	Rampa	403.015	0.5000 %
13140.000	Rampa	403.115	0.5000 %
13160.000	Rampa	403.215	0.5000 %
13180.000	Rampa	403.315	0.5000 %
13200.000	Rampa	403.415	0.5000 %
13220.000	Rampa	403.515	0.5000 %
13240.000	Rampa	403.615	0.5000 %
13260.000	Rampa	403.715	0.5000 %
13280.000	Rampa	403.815	0.5000 %
13300.000	Rampa	403.915	0.5000 %
13320.000	Rampa	404.015	0.5000 %
13340.000	Rampa	404.115	0.5000 %
13360.000	Rampa	404.215	0.5000 %
13380.000	Rampa	404.315	0.5000 %
13400.000	Rampa	404.415	0.5000 %
13420.000	Rampa	404.515	0.5000 %
13440.000	Rampa	404.615	0.5000 %
13460.000	Rampa	404.715	0.5000 %
13480.000	Rampa	404.815	0.5000 %
13500.000	Rampa	404.915	0.5000 %
13520.000	Rampa	405.015	0.5000 %
13540.000	Rampa	405.115	0.5000 %
13560.000	Rampa	405.215	0.5000 %
13580.000	Rampa	405.315	0.5000 %
13600.000	Rampa	405.415	0.5000 %
13620.000	Rampa	405.515	0.5000 %
13640.000	Rampa	405.615	0.5000 %
13660.000	Rampa	405.715	0.5000 %
13680.000	Rampa	405.815	0.5000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
13700.000	Rampa	405.915	0.5000 %
13720.000	Rampa	406.015	0.5000 %
13740.000	Rampa	406.115	0.5000 %
13760.000	Rampa	406.215	0.5000 %
13780.000	Rampa	406.315	0.5000 %
13800.000	Rampa	406.415	0.5000 %
13820.000	Rampa	406.515	0.5000 %
13840.000	Rampa	406.615	0.5000 %
13860.000	Rampa	406.715	0.5000 %
13880.000	Rampa	406.815	0.5000 %
13900.000	Rampa	406.915	0.5000 %
13920.000	Rampa	407.015	0.5000 %
13940.000	Rampa	407.115	0.5000 %
13960.000	Rampa	407.215	0.5000 %
13980.000	Rampa	407.315	0.5000 %
14000.000	Rampa	407.415	0.5000 %
14020.000	Rampa	407.515	0.5000 %
14040.000	Rampa	407.615	0.5000 %
14060.000	Rampa	407.715	0.5000 %
14080.000	Rampa	407.815	0.5000 %
14100.000	Rampa	407.915	0.5000 %
14117.000	Rampa	408.000	0.5000 %

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*** ESTADO DE RASANTES ***

PENDIENTE (°)	LONGITUD (m)	PARAMETRO (kv)	VERTICE p.k. cota	ENTRADA AL ACUERDO p.k. cota	SALIDA DEL ACUERDO p.k. cota	BISECT. (m)	DIF. PEN (%)
				0.000	394.577		
-0.500000	300.000	20000.000	908.660 390.033	758.660 390.783	1058.660 391.533	0.563	1.500
1.000000	465.000	31000.000	1862.769 399.575	1630.269 397.250	2095.269 398.412	0.872	-1.500
-0.500000	220.000	10000.000	2445.355 396.662	2335.355 397.212	2555.355 398.532	0.605	2.200
1.700000	600.000	50000.000	3794.655 419.600	3494.655 414.500	4094.655 421.100	0.900	-1.200
0.500000	320.000	16000.000	4403.766 422.645	4243.766 421.845	4563.766 426.645	0.800	2.000
2.500000	403.000	31000.000	5219.485 443.038	5017.985 438.001	5420.985 445.456	0.655	-1.300
1.200000	740.000	20000.000	5996.492 452.362	5626.492 447.922	6366.492 443.112	3.422	-3.700
-2.500000	170.000	17000.000	6496.635 439.859	6411.635 441.984	6581.635 438.584	0.212	1.000
-1.500000	250.000	10000.000	7503.573 424.755	7378.573 426.630	7628.573 426.005	0.781	2.500
1.000000	775.000	31000.000	8494.616 434.665	8107.116 430.790	8882.116 428.853	2.422	-2.500
-1.500000	465.000	31000.000	10036.787 411.533	9804.287 415.020	10269.287 404.558	0.872	-1.500
-3.000000	500.000	10000.000	10568.805 395.572	10318.805 403.072	10818.805 400.572	3.125	5.000
2.000000	400.000	16000.000	11192.755 408.051	10992.755 404.051	11392.755 407.051	1.250	-2.500
-0.500000	400.000	40000.000	12561.477 401.207	12361.477 402.207	12761.477 402.207	0.500	1.000
0.500000					13920.000 408.000		

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
0.000	Pendiente	394.577	-0.5000 %
20.000	Pendiente	394.477	-0.5000 %
40.000	Pendiente	394.377	-0.5000 %
60.000	Pendiente	394.277	-0.5000 %
80.000	Pendiente	394.177	-0.5000 %
100.000	Pendiente	394.077	-0.5000 %
120.000	Pendiente	393.977	-0.5000 %
140.000	Pendiente	393.877	-0.5000 %
160.000	Pendiente	393.777	-0.5000 %
180.000	Pendiente	393.677	-0.5000 %
200.000	Pendiente	393.577	-0.5000 %
220.000	Pendiente	393.477	-0.5000 %
240.000	Pendiente	393.377	-0.5000 %
260.000	Pendiente	393.277	-0.5000 %
280.000	Pendiente	393.177	-0.5000 %
300.000	Pendiente	393.077	-0.5000 %
320.000	Pendiente	392.977	-0.5000 %
340.000	Pendiente	392.877	-0.5000 %
360.000	Pendiente	392.777	-0.5000 %
380.000	Pendiente	392.677	-0.5000 %
400.000	Pendiente	392.577	-0.5000 %
420.000	Pendiente	392.477	-0.5000 %
440.000	Pendiente	392.377	-0.5000 %
460.000	Pendiente	392.277	-0.5000 %
480.000	Pendiente	392.177	-0.5000 %
500.000	Pendiente	392.077	-0.5000 %
520.000	Pendiente	391.977	-0.5000 %
540.000	Pendiente	391.877	-0.5000 %
560.000	Pendiente	391.777	-0.5000 %
580.000	Pendiente	391.677	-0.5000 %
600.000	Pendiente	391.577	-0.5000 %
620.000	Pendiente	391.477	-0.5000 %
640.000	Pendiente	391.377	-0.5000 %
660.000	Pendiente	391.277	-0.5000 %
680.000	Pendiente	391.177	-0.5000 %
700.000	Pendiente	391.077	-0.5000 %
720.000	Pendiente	390.977	-0.5000 %
740.000	Pendiente	390.877	-0.5000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
758.660	tg. entrada	390.783	-0.5000 %
760.000	KV 20000	390.777	-0.4933 %
780.000	KV 20000	390.688	-0.3933 %
800.000	KV 20000	390.619	-0.2933 %
820.000	KV 20000	390.571	-0.1933 %
840.000	KV 20000	390.542	-0.0933 %
858.660	Punto Bajo	390.533	0.0000 %
860.000	KV 20000	390.533	0.0067 %
880.000	KV 20000	390.545	0.1067 %
900.000	KV 20000	390.576	0.2067 %
920.000	KV 20000	390.627	0.3067 %
940.000	KV 20000	390.699	0.4067 %
960.000	KV 20000	390.790	0.5067 %
980.000	KV 20000	390.902	0.6067 %
1000.000	KV 20000	391.033	0.7067 %
1020.000	KV 20000	391.184	0.8067 %
1040.000	KV 20000	391.356	0.9067 %
1058.660	tg. salida	391.533	1.0000 %
1060.000	Rampa	391.547	1.0000 %
1080.000	Rampa	391.747	1.0000 %
1100.000	Rampa	391.947	1.0000 %
1120.000	Rampa	392.147	1.0000 %
1140.000	Rampa	392.347	1.0000 %
1160.000	Rampa	392.547	1.0000 %
1180.000	Rampa	392.747	1.0000 %
1200.000	Rampa	392.947	1.0000 %
1220.000	Rampa	393.147	1.0000 %
1240.000	Rampa	393.347	1.0000 %
1260.000	Rampa	393.547	1.0000 %
1280.000	Rampa	393.747	1.0000 %
1300.000	Rampa	393.947	1.0000 %
1320.000	Rampa	394.147	1.0000 %
1340.000	Rampa	394.347	1.0000 %
1360.000	Rampa	394.547	1.0000 %
1380.000	Rampa	394.747	1.0000 %
1400.000	Rampa	394.947	1.0000 %
1420.000	Rampa	395.147	1.0000 %
1440.000	Rampa	395.347	1.0000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
1460.000	Rampa	395.547	1.0000 %
1480.000	Rampa	395.747	1.0000 %
1500.000	Rampa	395.947	1.0000 %
1520.000	Rampa	396.147	1.0000 %
1540.000	Rampa	396.347	1.0000 %
1560.000	Rampa	396.547	1.0000 %
1580.000	Rampa	396.747	1.0000 %
1600.000	Rampa	396.947	1.0000 %
1620.000	Rampa	397.147	1.0000 %
1630.269	tg. entrada	397.250	1.0000 %
1640.000	KV -31000	397.345	0.9686 %
1660.000	KV -31000	397.533	0.9041 %
1680.000	KV -31000	397.707	0.8396 %
1700.000	KV -31000	397.868	0.7751 %
1720.000	KV -31000	398.017	0.7105 %
1740.000	KV -31000	398.153	0.6460 %
1760.000	KV -31000	398.275	0.5815 %
1780.000	KV -31000	398.385	0.5170 %
1800.000	KV -31000	398.482	0.4525 %
1820.000	KV -31000	398.566	0.3880 %
1840.000	KV -31000	398.637	0.3234 %
1860.000	KV -31000	398.696	0.2589 %
1880.000	KV -31000	398.741	0.1944 %
1900.000	KV -31000	398.773	0.1299 %
1920.000	KV -31000	398.793	0.0654 %
1940.000	KV -31000	398.800	0.0009 %
1940.269	Punto Alto	398.800	0.0000 %
1960.000	KV -31000	398.793	-0.0636 %
1980.000	KV -31000	398.774	-0.1282 %
2000.000	KV -31000	398.742	-0.1927 %
2020.000	KV -31000	398.697	-0.2572 %
2040.000	KV -31000	398.639	-0.3217 %
2060.000	KV -31000	398.568	-0.3862 %
2080.000	KV -31000	398.485	-0.4507 %
2095.269	tg. salida	398.412	-0.5000 %
2100.000	Pendiente	398.388	-0.5000 %
2120.000	Pendiente	398.288	-0.5000 %
2140.000	Pendiente	398.188	-0.5000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
2160.000	Pendiente	398.088	-0.5000 %
2180.000	Pendiente	397.988	-0.5000 %
2200.000	Pendiente	397.888	-0.5000 %
2220.000	Pendiente	397.788	-0.5000 %
2240.000	Pendiente	397.688	-0.5000 %
2260.000	Pendiente	397.588	-0.5000 %
2280.000	Pendiente	397.488	-0.5000 %
2300.000	Pendiente	397.388	-0.5000 %
2320.000	Pendiente	397.288	-0.5000 %
2335.355	tg. entrada	397.212	-0.5000 %
2340.000	KV 10000	397.189	-0.4536 %
2360.000	KV 10000	397.119	-0.2536 %
2380.000	KV 10000	397.088	-0.0536 %
2385.355	Punto Bajo	397.087	0.0000 %
2400.000	KV 10000	397.097	0.1464 %
2420.000	KV 10000	397.147	0.3464 %
2440.000	KV 10000	397.236	0.5464 %
2460.000	KV 10000	397.365	0.7464 %
2480.000	KV 10000	397.534	0.9464 %
2500.000	KV 10000	397.744	1.1464 %
2520.000	KV 10000	397.993	1.3464 %
2540.000	KV 10000	398.282	1.5464 %
2555.355	tg. salida	398.532	1.7000 %
2560.000	Rampa	398.611	1.7000 %
2580.000	Rampa	398.951	1.7000 %
2600.000	Rampa	399.291	1.7000 %
2620.000	Rampa	399.631	1.7000 %
2640.000	Rampa	399.971	1.7000 %
2660.000	Rampa	400.311	1.7000 %
2680.000	Rampa	400.651	1.7000 %
2700.000	Rampa	400.991	1.7000 %
2720.000	Rampa	401.331	1.7000 %
2740.000	Rampa	401.671	1.7000 %
2760.000	Rampa	402.011	1.7000 %
2780.000	Rampa	402.351	1.7000 %
2800.000	Rampa	402.691	1.7000 %
2820.000	Rampa	403.031	1.7000 %
2840.000	Rampa	403.371	1.7000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
2860.000	Rampa	403.711	1.7000 %
2880.000	Rampa	404.051	1.7000 %
2900.000	Rampa	404.391	1.7000 %
2920.000	Rampa	404.731	1.7000 %
2940.000	Rampa	405.071	1.7000 %
2960.000	Rampa	405.411	1.7000 %
2980.000	Rampa	405.751	1.7000 %
3000.000	Rampa	406.091	1.7000 %
3020.000	Rampa	406.431	1.7000 %
3040.000	Rampa	406.771	1.7000 %
3060.000	Rampa	407.111	1.7000 %
3080.000	Rampa	407.451	1.7000 %
3100.000	Rampa	407.791	1.7000 %
3120.000	Rampa	408.131	1.7000 %
3140.000	Rampa	408.471	1.7000 %
3160.000	Rampa	408.811	1.7000 %
3180.000	Rampa	409.151	1.7000 %
3200.000	Rampa	409.491	1.7000 %
3220.000	Rampa	409.831	1.7000 %
3240.000	Rampa	410.171	1.7000 %
3260.000	Rampa	410.511	1.7000 %
3280.000	Rampa	410.851	1.7000 %
3300.000	Rampa	411.191	1.7000 %
3320.000	Rampa	411.531	1.7000 %
3340.000	Rampa	411.871	1.7000 %
3360.000	Rampa	412.211	1.7000 %
3380.000	Rampa	412.551	1.7000 %
3400.000	Rampa	412.891	1.7000 %
3420.000	Rampa	413.231	1.7000 %
3440.000	Rampa	413.571	1.7000 %
3460.000	Rampa	413.911	1.7000 %
3480.000	Rampa	414.251	1.7000 %
3494.655	tg. entrada	414.500	1.7000 %
3500.000	KV -50000	414.590	1.6893 %
3520.000	KV -50000	414.924	1.6493 %
3540.000	KV -50000	415.250	1.6093 %
3560.000	KV -50000	415.568	1.5693 %
3580.000	KV -50000	415.878	1.5293 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
3600.000	KV -50000	416.180	1.4893 %
3620.000	KV -50000	416.473	1.4493 %
3640.000	KV -50000	416.759	1.4093 %
3660.000	KV -50000	417.037	1.3693 %
3680.000	KV -50000	417.307	1.3293 %
3700.000	KV -50000	417.569	1.2893 %
3720.000	KV -50000	417.823	1.2493 %
3740.000	KV -50000	418.069	1.2093 %
3760.000	KV -50000	418.306	1.1693 %
3780.000	KV -50000	418.536	1.1293 %
3800.000	KV -50000	418.758	1.0893 %
3820.000	KV -50000	418.972	1.0493 %
3840.000	KV -50000	419.178	1.0093 %
3860.000	KV -50000	419.376	0.9693 %
3880.000	KV -50000	419.566	0.9293 %
3900.000	KV -50000	419.748	0.8893 %
3920.000	KV -50000	419.921	0.8493 %
3940.000	KV -50000	420.087	0.8093 %
3960.000	KV -50000	420.245	0.7693 %
3980.000	KV -50000	420.395	0.7293 %
4000.000	KV -50000	420.537	0.6893 %
4020.000	KV -50000	420.671	0.6493 %
4040.000	KV -50000	420.797	0.6093 %
4060.000	KV -50000	420.914	0.5693 %
4080.000	KV -50000	421.024	0.5293 %
4094.655	tg. salida	421.100	0.5000 %
4100.000	Rampa	421.126	0.5000 %
4120.000	Rampa	421.226	0.5000 %
4140.000	Rampa	421.326	0.5000 %
4160.000	Rampa	421.426	0.5000 %
4180.000	Rampa	421.526	0.5000 %
4200.000	Rampa	421.626	0.5000 %
4220.000	Rampa	421.726	0.5000 %
4240.000	Rampa	421.826	0.5000 %
4243.766	tg. entrada	421.845	0.5000 %
4260.000	KV 16000	421.935	0.6015 %
4280.000	KV 16000	422.067	0.7265 %
4300.000	KV 16000	422.225	0.8515 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
4320.000	KV 16000	422.408	0.9765 %
4340.000	KV 16000	422.616	1.1015 %
4360.000	KV 16000	422.849	1.2265 %
4380.000	KV 16000	423.106	1.3515 %
4400.000	KV 16000	423.389	1.4765 %
4420.000	KV 16000	423.697	1.6015 %
4440.000	KV 16000	424.030	1.7265 %
4460.000	KV 16000	424.388	1.8515 %
4480.000	KV 16000	424.770	1.9765 %
4500.000	KV 16000	425.178	2.1015 %
4520.000	KV 16000	425.611	2.2265 %
4540.000	KV 16000	426.069	2.3515 %
4560.000	KV 16000	426.552	2.4765 %
4563.766	tg. salida	426.645	2.5000 %
4580.000	Rampa	427.051	2.5000 %
4600.000	Rampa	427.551	2.5000 %
4620.000	Rampa	428.051	2.5000 %
4640.000	Rampa	428.551	2.5000 %
4660.000	Rampa	429.051	2.5000 %
4680.000	Rampa	429.551	2.5000 %
4700.000	Rampa	430.051	2.5000 %
4720.000	Rampa	430.551	2.5000 %
4740.000	Rampa	431.051	2.5000 %
4760.000	Rampa	431.551	2.5000 %
4780.000	Rampa	432.051	2.5000 %
4800.000	Rampa	432.551	2.5000 %
4820.000	Rampa	433.051	2.5000 %
4840.000	Rampa	433.551	2.5000 %
4860.000	Rampa	434.051	2.5000 %
4880.000	Rampa	434.551	2.5000 %
4900.000	Rampa	435.051	2.5000 %
4920.000	Rampa	435.551	2.5000 %
4940.000	Rampa	436.051	2.5000 %
4960.000	Rampa	436.551	2.5000 %
4980.000	Rampa	437.051	2.5000 %
5000.000	Rampa	437.551	2.5000 %
5017.985	tg. entrada	438.001	2.5000 %
5020.000	KV -31000	438.051	2.4935 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
5040.000	KV -31000	438.543	2.4290 %
5060.000	KV -31000	439.023	2.3645 %
5080.000	KV -31000	439.489	2.3000 %
5100.000	KV -31000	439.943	2.2354 %
5120.000	KV -31000	440.383	2.1709 %
5140.000	KV -31000	440.811	2.1064 %
5160.000	KV -31000	441.226	2.0419 %
5180.000	KV -31000	441.628	1.9774 %
5200.000	KV -31000	442.017	1.9129 %
5220.000	KV -31000	442.393	1.8483 %
5240.000	KV -31000	442.756	1.7838 %
5260.000	KV -31000	443.106	1.7193 %
5280.000	KV -31000	443.444	1.6548 %
5300.000	KV -31000	443.768	1.5903 %
5320.000	KV -31000	444.080	1.5258 %
5340.000	KV -31000	444.379	1.4612 %
5360.000	KV -31000	444.664	1.3967 %
5380.000	KV -31000	444.937	1.3322 %
5400.000	KV -31000	445.197	1.2677 %
5420.000	KV -31000	445.444	1.2032 %
5425.985	tg. salida	445.456	1.2000 %
5440.000	Rampa	445.684	1.2000 %
5460.000	Rampa	445.924	1.2000 %
5480.000	Rampa	446.164	1.2000 %
5500.000	Rampa	446.404	1.2000 %
5520.000	Rampa	446.644	1.2000 %
5540.000	Rampa	446.884	1.2000 %
5560.000	Rampa	447.124	1.2000 %
5580.000	Rampa	447.364	1.2000 %
5600.000	Rampa	447.604	1.2000 %
5620.000	Rampa	447.844	1.2000 %
5626.492	tg. entrada	447.922	1.2000 %
5640.000	KV -20000	448.080	1.1325 %
5660.000	KV -20000	448.296	1.0325 %
5680.000	KV -20000	448.493	0.9325 %
5700.000	KV -20000	448.669	0.8325 %
5720.000	KV -20000	448.826	0.7325 %
5740.000	KV -20000	448.962	0.6325 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
5760.000	KV -20000	449.079	0.5325 %
5780.000	KV -20000	449.175	0.4325 %
5800.000	KV -20000	449.252	0.3325 %
5820.000	KV -20000	449.308	0.2325 %
5840.000	KV -20000	449.345	0.1325 %
5860.000	KV -20000	449.361	0.0325 %
5866.492	Punto Alto	449.362	0.0000 %
5880.000	KV -20000	449.358	-0.0675 %
5900.000	KV -20000	449.334	-0.1675 %
5920.000	KV -20000	449.291	-0.2675 %
5940.000	KV -20000	449.227	-0.3675 %
5960.000	KV -20000	449.144	-0.4675 %
5980.000	KV -20000	449.040	-0.5675 %
6000.000	KV -20000	448.917	-0.6675 %
6020.000	KV -20000	448.773	-0.7675 %
6040.000	KV -20000	448.610	-0.8675 %
6060.000	KV -20000	448.426	-0.9675 %
6080.000	KV -20000	448.223	-1.0675 %
6100.000	KV -20000	447.999	-1.1675 %
6120.000	KV -20000	447.756	-1.2675 %
6140.000	KV -20000	447.492	-1.3675 %
6160.000	KV -20000	447.209	-1.4675 %
6180.000	KV -20000	446.905	-1.5675 %
6200.000	KV -20000	446.582	-1.6675 %
6220.000	KV -20000	446.238	-1.7675 %
6240.000	KV -20000	445.875	-1.8675 %
6260.000	KV -20000	445.491	-1.9675 %
6280.000	KV -20000	445.088	-2.0675 %
6300.000	KV -20000	444.664	-2.1675 %
6320.000	KV -20000	444.221	-2.2675 %
6340.000	KV -20000	443.757	-2.3675 %
6360.000	KV -20000	443.274	-2.4675 %
6366.492	tg. salida	443.112	-2.5000 %
6380.000	Pendiente	442.775	-2.5000 %
6400.000	Pendiente	442.275	-2.5000 %
6411.635	tg. entrada	441.984	-2.5000 %
6420.000	KV 17000	441.777	-2.4508 %
6440.000	KV 17000	441.298	-2.3331 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
6460.000	KV 17000	440.843	-2.2155 %
6480.000	KV 17000	440.412	-2.0979 %
6500.000	KV 17000	440.004	-1.9802 %
6520.000	KV 17000	439.620	-1.8626 %
6540.000	KV 17000	439.259	-1.7449 %
6560.000	KV 17000	438.922	-1.6273 %
6580.000	KV 17000	438.608	-1.5096 %
6581.635	tg. salida	438.584	-1.5000 %
6600.000	Pendiente	438.308	-1.5000 %
6620.000	Pendiente	438.008	-1.5000 %
6640.000	Pendiente	437.708	-1.5000 %
6660.000	Pendiente	437.408	-1.5000 %
6680.000	Pendiente	437.108	-1.5000 %
6700.000	Pendiente	436.808	-1.5000 %
6720.000	Pendiente	436.508	-1.5000 %
6740.000	Pendiente	436.208	-1.5000 %
6760.000	Pendiente	435.908	-1.5000 %
6780.000	Pendiente	435.608	-1.5000 %
6800.000	Pendiente	435.308	-1.5000 %
6820.000	Pendiente	435.008	-1.5000 %
6840.000	Pendiente	434.708	-1.5000 %
6860.000	Pendiente	434.408	-1.5000 %
6880.000	Pendiente	434.108	-1.5000 %
6900.000	Pendiente	433.808	-1.5000 %
6920.000	Pendiente	433.508	-1.5000 %
6940.000	Pendiente	433.208	-1.5000 %
6960.000	Pendiente	432.908	-1.5000 %
6980.000	Pendiente	432.608	-1.5000 %
7000.000	Pendiente	432.308	-1.5000 %
7020.000	Pendiente	432.008	-1.5000 %
7040.000	Pendiente	431.708	-1.5000 %
7060.000	Pendiente	431.408	-1.5000 %
7080.000	Pendiente	431.108	-1.5000 %
7100.000	Pendiente	430.808	-1.5000 %
7120.000	Pendiente	430.508	-1.5000 %
7140.000	Pendiente	430.208	-1.5000 %
7160.000	Pendiente	429.908	-1.5000 %
7180.000	Pendiente	429.608	-1.5000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
7200.000	Pendiente	429.308	-1.5000 %
7220.000	Pendiente	429.008	-1.5000 %
7240.000	Pendiente	428.708	-1.5000 %
7260.000	Pendiente	428.408	-1.5000 %
7280.000	Pendiente	428.108	-1.5000 %
7300.000	Pendiente	427.808	-1.5000 %
7320.000	Pendiente	427.508	-1.5000 %
7340.000	Pendiente	427.208	-1.5000 %
7360.000	Pendiente	426.908	-1.5000 %
7378.573	tg. entrada	426.630	-1.5000 %
7380.000	KV 10000	426.608	-1.4857 %
7400.000	KV 10000	426.331	-1.2857 %
7420.000	KV 10000	426.094	-1.0857 %
7440.000	KV 10000	425.897	-0.8857 %
7460.000	KV 10000	425.740	-0.6857 %
7480.000	KV 10000	425.623	-0.4857 %
7500.000	KV 10000	425.545	-0.2857 %
7520.000	KV 10000	425.508	-0.0857 %
7528.573	Punto Bajo	425.505	0.0000 %
7540.000	KV 10000	425.511	0.1143 %
7560.000	KV 10000	425.554	0.3143 %
7580.000	KV 10000	425.637	0.5143 %
7600.000	KV 10000	425.760	0.7143 %
7620.000	KV 10000	425.923	0.9143 %
7628.573	tg. salida	426.005	1.0000 %
7640.000	Rampa	426.119	1.0000 %
7660.000	Rampa	426.319	1.0000 %
7680.000	Rampa	426.519	1.0000 %
7700.000	Rampa	426.719	1.0000 %
7720.000	Rampa	426.919	1.0000 %
7740.000	Rampa	427.119	1.0000 %
7760.000	Rampa	427.319	1.0000 %
7780.000	Rampa	427.519	1.0000 %
7800.000	Rampa	427.719	1.0000 %
7820.000	Rampa	427.919	1.0000 %
7840.000	Rampa	428.119	1.0000 %
7860.000	Rampa	428.319	1.0000 %
7880.000	Rampa	428.519	1.0000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
7900.000	Rampa	428.719	1.0000 %
7920.000	Rampa	428.919	1.0000 %
7940.000	Rampa	429.119	1.0000 %
7960.000	Rampa	429.319	1.0000 %
7980.000	Rampa	429.519	1.0000 %
8000.000	Rampa	429.719	1.0000 %
8020.000	Rampa	429.919	1.0000 %
8040.000	Rampa	430.119	1.0000 %
8060.000	Rampa	430.319	1.0000 %
8080.000	Rampa	430.519	1.0000 %
8100.000	Rampa	430.719	1.0000 %
8107.116	tg. entrada	430.790	1.0000 %
8120.000	KV -31000	430.916	0.9584 %
8140.000	KV -31000	431.101	0.8939 %
8160.000	KV -31000	431.274	0.8294 %
8180.000	KV -31000	431.433	0.7649 %
8200.000	KV -31000	431.580	0.7004 %
8220.000	KV -31000	431.713	0.6359 %
8240.000	KV -31000	431.834	0.5713 %
8260.000	KV -31000	431.942	0.5068 %
8280.000	KV -31000	432.037	0.4423 %
8300.000	KV -31000	432.119	0.3778 %
8320.000	KV -31000	432.188	0.3133 %
8340.000	KV -31000	432.244	0.2488 %
8360.000	KV -31000	432.287	0.1842 %
8380.000	KV -31000	432.318	0.1197 %
8400.000	KV -31000	432.335	0.0552 %
8417.116	Punto Alto	432.340	0.0000 %
8420.000	KV -31000	432.340	-0.0093 %
8440.000	KV -31000	432.332	-0.0738 %
8460.000	KV -31000	432.310	-0.1383 %
8480.000	KV -31000	432.276	-0.2029 %
8500.000	KV -31000	432.229	-0.2674 %
8520.000	KV -31000	432.169	-0.3319 %
8540.000	KV -31000	432.097	-0.3964 %
8560.000	KV -31000	432.011	-0.4609 %
8580.000	KV -31000	431.912	-0.5254 %
8600.000	KV -31000	431.801	-0.5899 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
8620.000	KV -31000	431.676	-0.6545 %
8640.000	KV -31000	431.539	-0.7190 %
8660.000	KV -31000	431.389	-0.7835 %
8680.000	KV -31000	431.225	-0.8480 %
8700.000	KV -31000	431.049	-0.9125 %
8720.000	KV -31000	430.860	-0.9770 %
8740.000	KV -31000	430.659	-1.0416 %
8760.000	KV -31000	430.444	-1.1061 %
8780.000	KV -31000	430.216	-1.1706 %
8800.000	KV -31000	429.976	-1.2351 %
8820.000	KV -31000	429.722	-1.2996 %
8840.000	KV -31000	429.456	-1.3641 %
8860.000	KV -31000	429.176	-1.4287 %
8880.000	KV -31000	428.884	-1.4932 %
8882.116	tg. salida	428.853	-1.5000 %
8900.000	Pendiente	428.584	-1.5000 %
8920.000	Pendiente	428.284	-1.5000 %
8940.000	Pendiente	427.984	-1.5000 %
8960.000	Pendiente	427.684	-1.5000 %
8980.000	Pendiente	427.384	-1.5000 %
9000.000	Pendiente	427.084	-1.5000 %
9020.000	Pendiente	426.784	-1.5000 %
9040.000	Pendiente	426.484	-1.5000 %
9060.000	Pendiente	426.184	-1.5000 %
9080.000	Pendiente	425.884	-1.5000 %
9100.000	Pendiente	425.584	-1.5000 %
9120.000	Pendiente	425.284	-1.5000 %
9140.000	Pendiente	424.984	-1.5000 %
9160.000	Pendiente	424.684	-1.5000 %
9180.000	Pendiente	424.384	-1.5000 %
9200.000	Pendiente	424.084	-1.5000 %
9220.000	Pendiente	423.784	-1.5000 %
9240.000	Pendiente	423.484	-1.5000 %
9260.000	Pendiente	423.184	-1.5000 %
9280.000	Pendiente	422.884	-1.5000 %
9300.000	Pendiente	422.584	-1.5000 %
9320.000	Pendiente	422.284	-1.5000 %
9340.000	Pendiente	421.984	-1.5000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
9360.000	Pendiente	421.684	-1.5000 %
9380.000	Pendiente	421.384	-1.5000 %
9400.000	Pendiente	421.084	-1.5000 %
9420.000	Pendiente	420.784	-1.5000 %
9440.000	Pendiente	420.484	-1.5000 %
9460.000	Pendiente	420.184	-1.5000 %
9480.000	Pendiente	419.884	-1.5000 %
9500.000	Pendiente	419.584	-1.5000 %
9520.000	Pendiente	419.284	-1.5000 %
9540.000	Pendiente	418.984	-1.5000 %
9560.000	Pendiente	418.684	-1.5000 %
9580.000	Pendiente	418.384	-1.5000 %
9600.000	Pendiente	418.084	-1.5000 %
9620.000	Pendiente	417.784	-1.5000 %
9640.000	Pendiente	417.484	-1.5000 %
9660.000	Pendiente	417.184	-1.5000 %
9680.000	Pendiente	416.884	-1.5000 %
9700.000	Pendiente	416.584	-1.5000 %
9720.000	Pendiente	416.284	-1.5000 %
9740.000	Pendiente	415.984	-1.5000 %
9760.000	Pendiente	415.684	-1.5000 %
9780.000	Pendiente	415.384	-1.5000 %
9800.000	Pendiente	415.084	-1.5000 %
9804.287	tg. entrada	415.020	-1.5000 %
9820.000	KV -31000	414.780	-1.5507 %
9840.000	KV -31000	414.464	-1.6152 %
9860.000	KV -31000	414.134	-1.6797 %
9880.000	KV -31000	413.792	-1.7442 %
9900.000	KV -31000	413.437	-1.8088 %
9920.000	KV -31000	413.068	-1.8733 %
9940.000	KV -31000	412.687	-1.9378 %
9960.000	KV -31000	412.293	-2.0023 %
9980.000	KV -31000	411.886	-2.0668 %
10000.000	KV -31000	411.467	-2.1313 %
10020.000	KV -31000	411.034	-2.1958 %
10040.000	KV -31000	410.588	-2.2604 %
10060.000	KV -31000	410.130	-2.3249 %
10080.000	KV -31000	409.658	-2.3894 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
10100.000	KV -31000	409.174	-2.4539 %
10120.000	KV -31000	408.677	-2.5184 %
10140.000	KV -31000	408.167	-2.5829 %
10160.000	KV -31000	407.644	-2.6475 %
10180.000	KV -31000	407.108	-2.7120 %
10200.000	KV -31000	406.559	-2.7765 %
10220.000	KV -31000	405.997	-2.8410 %
10240.000	KV -31000	405.422	-2.9055 %
10260.000	KV -31000	404.835	-2.9700 %
10269.287	tg. salida	404.558	-3.0000 %
10280.000	Pendiente	404.236	-3.0000 %
10300.000	Pendiente	403.636	-3.0000 %
10318.805	tg. entrada	403.072	-3.0000 %
10320.000	KV 10000	403.036	-2.9881 %
10340.000	KV 10000	402.459	-2.7881 %
10360.000	KV 10000	401.921	-2.5881 %
10380.000	KV 10000	401.423	-2.3881 %
10400.000	KV 10000	400.966	-2.1881 %
10420.000	KV 10000	400.548	-1.9881 %
10440.000	KV 10000	400.171	-1.7881 %
10460.000	KV 10000	399.833	-1.5881 %
10480.000	KV 10000	399.535	-1.3881 %
10500.000	KV 10000	399.278	-1.1881 %
10520.000	KV 10000	399.060	-0.9881 %
10540.000	KV 10000	398.883	-0.7881 %
10560.000	KV 10000	398.745	-0.5881 %
10580.000	KV 10000	398.647	-0.3881 %
10600.000	KV 10000	398.590	-0.1881 %
10618.805	Punto Bajo	398.572	0.0000 %
10620.000	KV 10000	398.572	0.0119 %
10640.000	KV 10000	398.594	0.2119 %
10660.000	KV 10000	398.657	0.4119 %
10680.000	KV 10000	398.759	0.6119 %
10700.000	KV 10000	398.902	0.8119 %
10720.000	KV 10000	399.084	1.0119 %
10740.000	KV 10000	399.306	1.2119 %
10760.000	KV 10000	399.569	1.4119 %
10780.000	KV 10000	399.871	1.6119 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
10800.000	KV 10000	400.214	1.8119 %
10818.805	tg. salida	400.572	2.0000 %
10820.000	Rampa	400.596	2.0000 %
10840.000	Rampa	400.996	2.0000 %
10860.000	Rampa	401.396	2.0000 %
10880.000	Rampa	401.796	2.0000 %
10900.000	Rampa	402.196	2.0000 %
10920.000	Rampa	402.596	2.0000 %
10940.000	Rampa	402.996	2.0000 %
10960.000	Rampa	403.396	2.0000 %
10980.000	Rampa	403.796	2.0000 %
10992.755	tg. entrada	404.051	2.0000 %
11000.000	KV -16000	404.194	1.9547 %
11020.000	KV -16000	404.573	1.8297 %
11040.000	KV -16000	404.926	1.7047 %
11060.000	KV -16000	405.255	1.5797 %
11080.000	KV -16000	405.558	1.4547 %
11100.000	KV -16000	405.836	1.3297 %
11120.000	KV -16000	406.090	1.2047 %
11140.000	KV -16000	406.318	1.0797 %
11160.000	KV -16000	406.522	0.9547 %
11180.000	KV -16000	406.700	0.8297 %
11200.000	KV -16000	406.854	0.7047 %
11220.000	KV -16000	406.982	0.5797 %
11240.000	KV -16000	407.086	0.4547 %
11260.000	KV -16000	407.164	0.3297 %
11280.000	KV -16000	407.217	0.2047 %
11300.000	KV -16000	407.246	0.0797 %
11312.755	Punto Alto	407.251	0.0000 %
11320.000	KV -16000	407.249	-0.0453 %
11340.000	KV -16000	407.228	-0.1703 %
11360.000	KV -16000	407.181	-0.2953 %
11380.000	KV -16000	407.110	-0.4203 %
11392.755	tg. salida	407.051	-0.5000 %
11400.000	Pendiente	407.015	-0.5000 %
11420.000	Pendiente	406.915	-0.5000 %
11440.000	Pendiente	406.815	-0.5000 %
11460.000	Pendiente	406.715	-0.5000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
11480.000	Pendiente	406.615	-0.5000 %
11500.000	Pendiente	406.515	-0.5000 %
11520.000	Pendiente	406.415	-0.5000 %
11540.000	Pendiente	406.315	-0.5000 %
11560.000	Pendiente	406.215	-0.5000 %
11580.000	Pendiente	406.115	-0.5000 %
11600.000	Pendiente	406.015	-0.5000 %
11620.000	Pendiente	405.915	-0.5000 %
11640.000	Pendiente	405.815	-0.5000 %
11660.000	Pendiente	405.715	-0.5000 %
11680.000	Pendiente	405.615	-0.5000 %
11700.000	Pendiente	405.515	-0.5000 %
11720.000	Pendiente	405.415	-0.5000 %
11740.000	Pendiente	405.315	-0.5000 %
11760.000	Pendiente	405.215	-0.5000 %
11780.000	Pendiente	405.115	-0.5000 %
11800.000	Pendiente	405.015	-0.5000 %
11820.000	Pendiente	404.915	-0.5000 %
11840.000	Pendiente	404.815	-0.5000 %
11860.000	Pendiente	404.715	-0.5000 %
11880.000	Pendiente	404.615	-0.5000 %
11900.000	Pendiente	404.515	-0.5000 %
11920.000	Pendiente	404.415	-0.5000 %
11940.000	Pendiente	404.315	-0.5000 %
11960.000	Pendiente	404.215	-0.5000 %
11980.000	Pendiente	404.115	-0.5000 %
12000.000	Pendiente	404.015	-0.5000 %
12020.000	Pendiente	403.915	-0.5000 %
12040.000	Pendiente	403.815	-0.5000 %
12060.000	Pendiente	403.715	-0.5000 %
12080.000	Pendiente	403.615	-0.5000 %
12100.000	Pendiente	403.515	-0.5000 %
12120.000	Pendiente	403.415	-0.5000 %
12140.000	Pendiente	403.315	-0.5000 %
12160.000	Pendiente	403.215	-0.5000 %
12180.000	Pendiente	403.115	-0.5000 %
12200.000	Pendiente	403.015	-0.5000 %
12220.000	Pendiente	402.915	-0.5000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
12240.000	Pendiente	402.815	-0.5000 %
12260.000	Pendiente	402.715	-0.5000 %
12280.000	Pendiente	402.615	-0.5000 %
12300.000	Pendiente	402.515	-0.5000 %
12320.000	Pendiente	402.415	-0.5000 %
12340.000	Pendiente	402.315	-0.5000 %
12360.000	Pendiente	402.215	-0.5000 %
12361.477	tg. entrada	402.207	-0.5000 %
12380.000	KV 40000	402.119	-0.4537 %
12400.000	KV 40000	402.033	-0.4037 %
12420.000	KV 40000	401.958	-0.3537 %
12440.000	KV 40000	401.892	-0.3037 %
12460.000	KV 40000	401.836	-0.2537 %
12480.000	KV 40000	401.790	-0.2037 %
12500.000	KV 40000	401.755	-0.1537 %
12520.000	KV 40000	401.729	-0.1037 %
12540.000	KV 40000	401.713	-0.0537 %
12560.000	KV 40000	401.707	-0.0037 %
12561.477	Punto Bajo	401.707	0.0000 %
12580.000	KV 40000	401.712	0.0463 %
12600.000	KV 40000	401.726	0.0963 %
12620.000	KV 40000	401.750	0.1463 %
12640.000	KV 40000	401.784	0.1963 %
12660.000	KV 40000	401.829	0.2463 %
12680.000	KV 40000	401.883	0.2963 %
12700.000	KV 40000	401.947	0.3463 %
12720.000	KV 40000	402.022	0.3963 %
12740.000	KV 40000	402.106	0.4463 %
12760.000	KV 40000	402.200	0.4963 %
12761.477	tg. salida	402.207	0.5000 %
12780.000	Rampa	402.300	0.5000 %
12800.000	Rampa	402.400	0.5000 %
12820.000	Rampa	402.500	0.5000 %
12840.000	Rampa	402.600	0.5000 %
12860.000	Rampa	402.700	0.5000 %
12880.000	Rampa	402.800	0.5000 %
12900.000	Rampa	402.900	0.5000 %
12920.000	Rampa	403.000	0.5000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
12940.000	Rampa	403.100	0.5000 %
12960.000	Rampa	403.200	0.5000 %
12980.000	Rampa	403.300	0.5000 %
13000.000	Rampa	403.400	0.5000 %
13020.000	Rampa	403.500	0.5000 %
13040.000	Rampa	403.600	0.5000 %
13060.000	Rampa	403.700	0.5000 %
13080.000	Rampa	403.800	0.5000 %
13100.000	Rampa	403.900	0.5000 %
13120.000	Rampa	404.000	0.5000 %
13140.000	Rampa	404.100	0.5000 %
13160.000	Rampa	404.200	0.5000 %
13180.000	Rampa	404.300	0.5000 %
13200.000	Rampa	404.400	0.5000 %
13220.000	Rampa	404.500	0.5000 %
13240.000	Rampa	404.600	0.5000 %
13260.000	Rampa	404.700	0.5000 %
13280.000	Rampa	404.800	0.5000 %
13300.000	Rampa	404.900	0.5000 %
13320.000	Rampa	405.000	0.5000 %
13340.000	Rampa	405.100	0.5000 %
13360.000	Rampa	405.200	0.5000 %
13380.000	Rampa	405.300	0.5000 %
13400.000	Rampa	405.400	0.5000 %
13420.000	Rampa	405.500	0.5000 %
13440.000	Rampa	405.600	0.5000 %
13460.000	Rampa	405.700	0.5000 %
13480.000	Rampa	405.800	0.5000 %
13500.000	Rampa	405.900	0.5000 %
13520.000	Rampa	406.000	0.5000 %
13540.000	Rampa	406.100	0.5000 %
13560.000	Rampa	406.200	0.5000 %
13580.000	Rampa	406.300	0.5000 %
13600.000	Rampa	406.400	0.5000 %
13620.000	Rampa	406.500	0.5000 %
13640.000	Rampa	406.600	0.5000 %
13660.000	Rampa	406.700	0.5000 %
13680.000	Rampa	406.800	0.5000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
13700.000	Rampa	406.900	0.5000 %
13720.000	Rampa	407.000	0.5000 %
13740.000	Rampa	407.100	0.5000 %
13760.000	Rampa	407.200	0.5000 %
13780.000	Rampa	407.300	0.5000 %
13800.000	Rampa	407.400	0.5000 %
13820.000	Rampa	407.500	0.5000 %
13840.000	Rampa	407.600	0.5000 %
13860.000	Rampa	407.700	0.5000 %
13880.000	Rampa	407.800	0.5000 %
13900.000	Rampa	407.900	0.5000 %
13920.000	Rampa	408.000	0.5000 %
13920.000	Rampa	408.000	0.5000 %

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B

Actualización 2016

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*** ESTADO DE RASANTES ***

PENDIENTE (°)	LONGITUD (m)	PARAMETRO (kv)	VERTICE p.k. cota	ENTRADA AL ACUERDO p.k. cota	SALIDA DEL ACUERDO p.k. cota	BISECT. DIF. PEN (m) (%)
-0.500000	160.000	16000.000	85.877 397.666	0.000 398.095	5.877 398.066	165.877 398.066 0.200 1.000
0.500000	175.000	7000.000	1257.820 403.526	1170.320 403.088	1345.320 406.151	0.547 2.500
3.000000	351.900	15300.000	1625.501 414.556	1449.551 409.278	1801.451 415.788	1.012 -2.300
0.700000	301.000	7000.000	2258.054 418.984	2107.554 417.931	2408.554 426.509	1.618 4.300
5.000000	306.000	15300.000	2862.088 449.186	2709.088 441.536	3015.088 453.776	0.765 -2.000
3.000000	438.000	7300.000	4055.956 485.002	3836.956 478.432	4274.956 478.432	3.285 -6.000
-3.000000	1100.000	20000.000	4893.067 459.888	4343.067 476.388	5443.067 473.638	7.563 5.500
2.500000	252.000	7200.000	5646.877 478.734	5520.877 475.584	5772.877 477.474	1.103 -3.500
-1.000000	140.000	7000.000	6673.944 468.463	6603.944 469.163	6743.944 469.163	0.350 2.000
1.000000	382.500	15300.000	7215.607 473.880	7024.357 471.967	7406.857 471.011	1.195 -2.500
-1.500000	180.000	7200.000	7644.319 467.449	7554.319 468.799	7734.319 468.349	0.563 2.500
1.000000	324.000	7200.000	8523.462 476.240	8361.462 474.620	8685.462 470.570	1.823 -4.500
-3.500000	270.000	10000.000	8913.711 462.582	8778.711 467.307	9048.711 461.502	0.911 2.700
-0.800000	336.600	15300.000	9392.646 458.750	9224.346 460.097	9560.946 453.701	0.926 -2.200
-3.000000	153.000	15300.000	10549.322 424.050	10472.822 426.345	10625.822 420.990	0.191 -1.000
-4.000000	918.000	15300.000	11200.767 397.992	10741.767 416.352	11659.767 407.172	6.885 6.000
2.000000					11748.322 408.943	

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
0.000	Pendiente	398.095	-0.5000 %
5.877	tg. entrada	398.066	-0.5000 %
20.000	KV 16000	398.002	-0.4117 %
40.000	KV 16000	397.932	-0.2867 %
60.000	KV 16000	397.887	-0.1617 %
80.000	KV 16000	397.867	-0.0367 %
85.877	Punto Bajo	397.866	0.0000 %
100.000	KV 16000	397.872	0.0883 %
120.000	KV 16000	397.902	0.2133 %
140.000	KV 16000	397.958	0.3383 %
160.000	KV 16000	398.038	0.4633 %
165.877	tg. salida	398.066	0.5000 %
180.000	Rampa	398.137	0.5000 %
200.000	Rampa	398.237	0.5000 %
220.000	Rampa	398.337	0.5000 %
240.000	Rampa	398.437	0.5000 %
260.000	Rampa	398.537	0.5000 %
280.000	Rampa	398.637	0.5000 %
300.000	Rampa	398.737	0.5000 %
320.000	Rampa	398.837	0.5000 %
340.000	Rampa	398.937	0.5000 %
360.000	Rampa	399.037	0.5000 %
380.000	Rampa	399.137	0.5000 %
400.000	Rampa	399.237	0.5000 %
420.000	Rampa	399.337	0.5000 %
440.000	Rampa	399.437	0.5000 %
460.000	Rampa	399.537	0.5000 %
480.000	Rampa	399.637	0.5000 %
500.000	Rampa	399.737	0.5000 %
520.000	Rampa	399.837	0.5000 %
540.000	Rampa	399.937	0.5000 %
560.000	Rampa	400.037	0.5000 %
580.000	Rampa	400.137	0.5000 %
600.000	Rampa	400.237	0.5000 %
620.000	Rampa	400.337	0.5000 %
640.000	Rampa	400.437	0.5000 %
660.000	Rampa	400.537	0.5000 %
680.000	Rampa	400.637	0.5000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
700.000	Rampa	400.737	0.5000 %
720.000	Rampa	400.837	0.5000 %
740.000	Rampa	400.937	0.5000 %
760.000	Rampa	401.037	0.5000 %
780.000	Rampa	401.137	0.5000 %
800.000	Rampa	401.237	0.5000 %
820.000	Rampa	401.337	0.5000 %
840.000	Rampa	401.437	0.5000 %
860.000	Rampa	401.537	0.5000 %
880.000	Rampa	401.637	0.5000 %
900.000	Rampa	401.737	0.5000 %
920.000	Rampa	401.837	0.5000 %
940.000	Rampa	401.937	0.5000 %
960.000	Rampa	402.037	0.5000 %
980.000	Rampa	402.137	0.5000 %
1000.000	Rampa	402.237	0.5000 %
1020.000	Rampa	402.337	0.5000 %
1040.000	Rampa	402.437	0.5000 %
1060.000	Rampa	402.537	0.5000 %
1080.000	Rampa	402.637	0.5000 %
1100.000	Rampa	402.737	0.5000 %
1120.000	Rampa	402.837	0.5000 %
1140.000	Rampa	402.937	0.5000 %
1160.000	Rampa	403.037	0.5000 %
1170.320	tg. entrada	403.088	0.5000 %
1180.000	KV 7000	403.143	0.6383 %
1200.000	KV 7000	403.300	0.9240 %
1220.000	KV 7000	403.513	1.2097 %
1240.000	KV 7000	403.783	1.4954 %
1260.000	KV 7000	404.111	1.7811 %
1280.000	KV 7000	404.496	2.0669 %
1300.000	KV 7000	404.938	2.3526 %
1320.000	KV 7000	405.437	2.6383 %
1340.000	KV 7000	405.993	2.9240 %
1345.320	tg. salida	406.151	3.0000 %
1360.000	Rampa	406.591	3.0000 %
1380.000	Rampa	407.191	3.0000 %
1400.000	Rampa	407.791	3.0000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
1420.000	Rampa	408.391	3.0000 %
1440.000	Rampa	408.991	3.0000 %
1449.551	tg. entrada	409.278	3.0000 %
1460.000	KV -15300	409.588	2.9317 %
1480.000	KV -15300	410.161	2.8010 %
1500.000	KV -15300	410.708	2.6703 %
1520.000	KV -15300	411.229	2.5395 %
1540.000	KV -15300	411.724	2.4088 %
1560.000	KV -15300	412.192	2.2781 %
1580.000	KV -15300	412.635	2.1474 %
1600.000	KV -15300	413.051	2.0167 %
1620.000	KV -15300	413.442	1.8860 %
1640.000	KV -15300	413.806	1.7552 %
1660.000	KV -15300	414.144	1.6245 %
1680.000	KV -15300	414.456	1.4938 %
1700.000	KV -15300	414.741	1.3631 %
1720.000	KV -15300	415.001	1.2324 %
1740.000	KV -15300	415.234	1.1016 %
1760.000	KV -15300	415.441	0.9709 %
1780.000	KV -15300	415.623	0.8402 %
1800.000	KV -15300	415.778	0.7095 %
1801.451	tg. salida	415.788	0.7000 %
1820.000	Rampa	415.918	0.7000 %
1840.000	Rampa	416.058	0.7000 %
1860.000	Rampa	416.198	0.7000 %
1880.000	Rampa	416.338	0.7000 %
1900.000	Rampa	416.478	0.7000 %
1920.000	Rampa	416.618	0.7000 %
1940.000	Rampa	416.758	0.7000 %
1960.000	Rampa	416.898	0.7000 %
1980.000	Rampa	417.038	0.7000 %
2000.000	Rampa	417.178	0.7000 %
2020.000	Rampa	417.318	0.7000 %
2040.000	Rampa	417.458	0.7000 %
2060.000	Rampa	417.598	0.7000 %
2080.000	Rampa	417.738	0.7000 %
2100.000	Rampa	417.878	0.7000 %
2107.554	tg. entrada	417.931	0.7000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
2120.000	KV 7000	418.029	0.8778 %
2140.000	KV 7000	418.233	1.1635 %
2160.000	KV 7000	418.494	1.4492 %
2180.000	KV 7000	418.813	1.7349 %
2200.000	KV 7000	419.188	2.0207 %
2220.000	KV 7000	419.621	2.3064 %
2240.000	KV 7000	420.111	2.5921 %
2260.000	KV 7000	420.658	2.8778 %
2280.000	KV 7000	421.262	3.1635 %
2300.000	KV 7000	421.923	3.4492 %
2320.000	KV 7000	422.641	3.7349 %
2340.000	KV 7000	423.417	4.0207 %
2360.000	KV 7000	424.250	4.3064 %
2380.000	KV 7000	425.140	4.5921 %
2400.000	KV 7000	426.087	4.8778 %
2408.554	tg. salida	426.509	5.0000 %
2420.000	Rampa	427.081	5.0000 %
2440.000	Rampa	428.081	5.0000 %
2460.000	Rampa	429.081	5.0000 %
2480.000	Rampa	430.081	5.0000 %
2500.000	Rampa	431.081	5.0000 %
2520.000	Rampa	432.081	5.0000 %
2540.000	Rampa	433.081	5.0000 %
2560.000	Rampa	434.081	5.0000 %
2580.000	Rampa	435.081	5.0000 %
2600.000	Rampa	436.081	5.0000 %
2620.000	Rampa	437.081	5.0000 %
2640.000	Rampa	438.081	5.0000 %
2660.000	Rampa	439.081	5.0000 %
2680.000	Rampa	440.081	5.0000 %
2700.000	Rampa	441.081	5.0000 %
2709.088	tg. entrada	441.536	5.0000 %
2720.000	KV -15300	442.077	4.9287 %
2740.000	KV -15300	443.050	4.7980 %
2760.000	KV -15300	443.997	4.6672 %
2780.000	KV -15300	444.917	4.5365 %
2800.000	KV -15300	445.811	4.4058 %
2820.000	KV -15300	446.679	4.2751 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
2840.000	KV -15300	447.521	4.1444 %
2860.000	KV -15300	448.337	4.0136 %
2880.000	KV -15300	449.127	3.8829 %
2900.000	KV -15300	449.890	3.7522 %
2920.000	KV -15300	450.628	3.6215 %
2940.000	KV -15300	451.339	3.4908 %
2960.000	KV -15300	452.024	3.3601 %
2980.000	KV -15300	452.683	3.2293 %
3000.000	KV -15300	453.316	3.0986 %
3015.088	tg. salida	453.776	3.0000 %
3020.000	Rampa	453.923	3.0000 %
3040.000	Rampa	454.523	3.0000 %
3060.000	Rampa	455.123	3.0000 %
3080.000	Rampa	455.723	3.0000 %
3100.000	Rampa	456.323	3.0000 %
3120.000	Rampa	456.923	3.0000 %
3140.000	Rampa	457.523	3.0000 %
3160.000	Rampa	458.123	3.0000 %
3180.000	Rampa	458.723	3.0000 %
3200.000	Rampa	459.323	3.0000 %
3220.000	Rampa	459.923	3.0000 %
3240.000	Rampa	460.523	3.0000 %
3260.000	Rampa	461.123	3.0000 %
3280.000	Rampa	461.723	3.0000 %
3300.000	Rampa	462.323	3.0000 %
3320.000	Rampa	462.923	3.0000 %
3340.000	Rampa	463.523	3.0000 %
3360.000	Rampa	464.123	3.0000 %
3380.000	Rampa	464.723	3.0000 %
3400.000	Rampa	465.323	3.0000 %
3420.000	Rampa	465.923	3.0000 %
3440.000	Rampa	466.523	3.0000 %
3460.000	Rampa	467.123	3.0000 %
3480.000	Rampa	467.723	3.0000 %
3500.000	Rampa	468.323	3.0000 %
3520.000	Rampa	468.923	3.0000 %
3540.000	Rampa	469.523	3.0000 %
3560.000	Rampa	470.123	3.0000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
3580.000	Rampa	470.723	3.0000 %
3600.000	Rampa	471.323	3.0000 %
3620.000	Rampa	471.923	3.0000 %
3640.000	Rampa	472.523	3.0000 %
3660.000	Rampa	473.123	3.0000 %
3680.000	Rampa	473.723	3.0000 %
3700.000	Rampa	474.323	3.0000 %
3720.000	Rampa	474.923	3.0000 %
3740.000	Rampa	475.523	3.0000 %
3760.000	Rampa	476.123	3.0000 %
3780.000	Rampa	476.723	3.0000 %
3800.000	Rampa	477.323	3.0000 %
3820.000	Rampa	477.923	3.0000 %
3836.956	tg. entrada	478.432	3.0000 %
3840.000	KV -7300	478.522	2.9583 %
3860.000	KV -7300	479.087	2.6843 %
3880.000	KV -7300	479.596	2.4104 %
3900.000	KV -7300	480.051	2.1364 %
3920.000	KV -7300	480.451	1.8624 %
3940.000	KV -7300	480.796	1.5884 %
3960.000	KV -7300	481.086	1.3145 %
3980.000	KV -7300	481.322	1.0405 %
4000.000	KV -7300	481.502	0.7665 %
4020.000	KV -7300	481.628	0.4925 %
4040.000	KV -7300	481.699	0.2186 %
4055.956	Punto Alto	481.717	0.0000 %
4060.000	KV -7300	481.716	-0.0554 %
4080.000	KV -7300	481.677	-0.3294 %
4100.000	KV -7300	481.584	-0.6033 %
4120.000	KV -7300	481.436	-0.8773 %
4140.000	KV -7300	481.233	-1.1513 %
4160.000	KV -7300	480.975	-1.4253 %
4180.000	KV -7300	480.663	-1.6992 %
4200.000	KV -7300	480.296	-1.9732 %
4220.000	KV -7300	479.874	-2.2472 %
4240.000	KV -7300	479.397	-2.5212 %
4260.000	KV -7300	478.865	-2.7951 %
4274.956	tg. salida	478.432	-3.0000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
4280.000	Pendiente	478.280	-3.0000 %
4300.000	Pendiente	477.680	-3.0000 %
4320.000	Pendiente	477.080	-3.0000 %
4340.000	Pendiente	476.480	-3.0000 %
4343.067	tg. entrada	476.388	-3.0000 %
4360.000	KV 20000	475.888	-2.9153 %
4380.000	KV 20000	475.314	-2.8153 %
4400.000	KV 20000	474.761	-2.7153 %
4420.000	KV 20000	474.228	-2.6153 %
4440.000	KV 20000	473.715	-2.5153 %
4460.000	KV 20000	473.222	-2.4153 %
4480.000	KV 20000	472.749	-2.3153 %
4500.000	KV 20000	472.296	-2.2153 %
4520.000	KV 20000	471.863	-2.1153 %
4540.000	KV 20000	471.450	-2.0153 %
4560.000	KV 20000	471.057	-1.9153 %
4580.000	KV 20000	470.684	-1.8153 %
4600.000	KV 20000	470.331	-1.7153 %
4620.000	KV 20000	469.998	-1.6153 %
4640.000	KV 20000	469.685	-1.5153 %
4660.000	KV 20000	469.392	-1.4153 %
4680.000	KV 20000	469.118	-1.3153 %
4700.000	KV 20000	468.865	-1.2153 %
4720.000	KV 20000	468.632	-1.1153 %
4740.000	KV 20000	468.419	-1.0153 %
4760.000	KV 20000	468.226	-0.9153 %
4780.000	KV 20000	468.053	-0.8153 %
4800.000	KV 20000	467.900	-0.7153 %
4820.000	KV 20000	467.767	-0.6153 %
4840.000	KV 20000	467.654	-0.5153 %
4860.000	KV 20000	467.561	-0.4153 %
4880.000	KV 20000	467.488	-0.3153 %
4900.000	KV 20000	467.435	-0.2153 %
4920.000	KV 20000	467.402	-0.1153 %
4940.000	KV 20000	467.389	-0.0153 %
4943.067	Punto Bajo	467.388	0.0000 %
4960.000	KV 20000	467.396	0.0847 %
4980.000	KV 20000	467.422	0.1847 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
5000.000	KV 20000	467.469	0.2847 %
5020.000	KV 20000	467.536	0.3847 %
5040.000	KV 20000	467.623	0.4847 %
5060.000	KV 20000	467.730	0.5847 %
5080.000	KV 20000	467.857	0.6847 %
5100.000	KV 20000	468.004	0.7847 %
5120.000	KV 20000	468.171	0.8847 %
5140.000	KV 20000	468.358	0.9847 %
5160.000	KV 20000	468.565	1.0847 %
5180.000	KV 20000	468.792	1.1847 %
5200.000	KV 20000	469.039	1.2847 %
5220.000	KV 20000	469.306	1.3847 %
5240.000	KV 20000	469.593	1.4847 %
5260.000	KV 20000	469.900	1.5847 %
5280.000	KV 20000	470.226	1.6847 %
5300.000	KV 20000	470.573	1.7847 %
5320.000	KV 20000	470.940	1.8847 %
5340.000	KV 20000	471.327	1.9847 %
5360.000	KV 20000	471.734	2.0847 %
5380.000	KV 20000	472.161	2.1847 %
5400.000	KV 20000	472.608	2.2847 %
5420.000	KV 20000	473.075	2.3847 %
5440.000	KV 20000	473.562	2.4847 %
5443.067	tg. salida	473.638	2.5000 %
5460.000	Rampa	474.062	2.5000 %
5480.000	Rampa	474.562	2.5000 %
5500.000	Rampa	475.062	2.5000 %
5520.000	Rampa	475.562	2.5000 %
5520.877	tg. entrada	475.584	2.5000 %
5540.000	KV -7200	476.036	2.2344 %
5560.000	KV -7200	476.455	1.9566 %
5580.000	KV -7200	476.819	1.6788 %
5600.000	KV -7200	477.127	1.4011 %
5620.000	KV -7200	477.379	1.1233 %
5640.000	KV -7200	477.576	0.8455 %
5660.000	KV -7200	477.718	0.5677 %
5680.000	KV -7200	477.803	0.2900 %
5700.000	KV -7200	477.834	0.0122 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
5700.877	Punto Alto	477.834	0.0000 %
5720.000	KV -7200	477.808	-0.2656 %
5740.000	KV -7200	477.727	-0.5434 %
5760.000	KV -7200	477.591	-0.8212 %
5772.877	tg. salida	477.474	-1.0000 %
5780.000	Pendiente	477.402	-1.0000 %
5800.000	Pendiente	477.202	-1.0000 %
5820.000	Pendiente	477.002	-1.0000 %
5840.000	Pendiente	476.802	-1.0000 %
5860.000	Pendiente	476.602	-1.0000 %
5880.000	Pendiente	476.402	-1.0000 %
5900.000	Pendiente	476.202	-1.0000 %
5920.000	Pendiente	476.002	-1.0000 %
5940.000	Pendiente	475.802	-1.0000 %
5960.000	Pendiente	475.602	-1.0000 %
5980.000	Pendiente	475.402	-1.0000 %
6000.000	Pendiente	475.202	-1.0000 %
6020.000	Pendiente	475.002	-1.0000 %
6040.000	Pendiente	474.802	-1.0000 %
6060.000	Pendiente	474.602	-1.0000 %
6080.000	Pendiente	474.402	-1.0000 %
6100.000	Pendiente	474.202	-1.0000 %
6120.000	Pendiente	474.002	-1.0000 %
6140.000	Pendiente	473.802	-1.0000 %
6160.000	Pendiente	473.602	-1.0000 %
6180.000	Pendiente	473.402	-1.0000 %
6200.000	Pendiente	473.202	-1.0000 %
6220.000	Pendiente	473.002	-1.0000 %
6240.000	Pendiente	472.802	-1.0000 %
6260.000	Pendiente	472.602	-1.0000 %
6280.000	Pendiente	472.402	-1.0000 %
6300.000	Pendiente	472.202	-1.0000 %
6320.000	Pendiente	472.002	-1.0000 %
6340.000	Pendiente	471.802	-1.0000 %
6360.000	Pendiente	471.602	-1.0000 %
6380.000	Pendiente	471.402	-1.0000 %
6400.000	Pendiente	471.202	-1.0000 %
6420.000	Pendiente	471.002	-1.0000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
6440.000	Pendiente	470.802	-1.0000 %
6460.000	Pendiente	470.602	-1.0000 %
6480.000	Pendiente	470.402	-1.0000 %
6500.000	Pendiente	470.202	-1.0000 %
6520.000	Pendiente	470.002	-1.0000 %
6540.000	Pendiente	469.802	-1.0000 %
6560.000	Pendiente	469.602	-1.0000 %
6580.000	Pendiente	469.402	-1.0000 %
6600.000	Pendiente	469.202	-1.0000 %
6603.944	tg. entrada	469.163	-1.0000 %
6620.000	KV 7000	469.021	-0.7706 %
6640.000	KV 7000	468.895	-0.4849 %
6660.000	KV 7000	468.827	-0.1992 %
6673.944	Punto Bajo	468.813	0.0000 %
6680.000	KV 7000	468.816	0.0865 %
6700.000	KV 7000	468.861	0.3722 %
6720.000	KV 7000	468.964	0.6579 %
6740.000	KV 7000	469.125	0.9437 %
6743.944	tg. salida	469.163	1.0000 %
6760.000	Rampa	469.324	1.0000 %
6780.000	Rampa	469.524	1.0000 %
6800.000	Rampa	469.724	1.0000 %
6820.000	Rampa	469.924	1.0000 %
6840.000	Rampa	470.124	1.0000 %
6860.000	Rampa	470.324	1.0000 %
6880.000	Rampa	470.524	1.0000 %
6900.000	Rampa	470.724	1.0000 %
6920.000	Rampa	470.924	1.0000 %
6940.000	Rampa	471.124	1.0000 %
6960.000	Rampa	471.324	1.0000 %
6980.000	Rampa	471.524	1.0000 %
7000.000	Rampa	471.724	1.0000 %
7020.000	Rampa	471.924	1.0000 %
7024.357	tg. entrada	471.967	1.0000 %
7040.000	KV -15300	472.116	0.8978 %
7060.000	KV -15300	472.282	0.7670 %
7080.000	KV -15300	472.422	0.6363 %
7100.000	KV -15300	472.537	0.5056 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
7120.000	KV -15300	472.625	0.3749 %
7140.000	KV -15300	472.687	0.2442 %
7160.000	KV -15300	472.722	0.1134 %
7177.357	Punto Alto	472.732	0.0000 %
7180.000	KV -15300	472.732	-0.0173 %
7200.000	KV -15300	472.715	-0.1480 %
7220.000	KV -15300	472.673	-0.2787 %
7240.000	KV -15300	472.604	-0.4094 %
7260.000	KV -15300	472.509	-0.5402 %
7280.000	KV -15300	472.388	-0.6709 %
7300.000	KV -15300	472.241	-0.8016 %
7320.000	KV -15300	472.067	-0.9323 %
7340.000	KV -15300	471.868	-1.0630 %
7360.000	KV -15300	471.642	-1.1937 %
7380.000	KV -15300	471.390	-1.3245 %
7400.000	KV -15300	471.112	-1.4552 %
7406.857	tg. salida	471.011	-1.5000 %
7420.000	Pendiente	470.814	-1.5000 %
7440.000	Pendiente	470.514	-1.5000 %
7460.000	Pendiente	470.214	-1.5000 %
7480.000	Pendiente	469.914	-1.5000 %
7500.000	Pendiente	469.614	-1.5000 %
7520.000	Pendiente	469.314	-1.5000 %
7540.000	Pendiente	469.014	-1.5000 %
7554.319	tg. entrada	468.799	-1.5000 %
7560.000	KV 7200	468.716	-1.4211 %
7580.000	KV 7200	468.460	-1.1433 %
7600.000	KV 7200	468.259	-0.8655 %
7620.000	KV 7200	468.113	-0.5878 %
7640.000	KV 7200	468.024	-0.3100 %
7660.000	KV 7200	467.989	-0.0322 %
7662.319	Punto Bajo	467.989	0.0000 %
7680.000	KV 7200	468.011	0.2456 %
7700.000	KV 7200	468.088	0.5233 %
7720.000	KV 7200	468.220	0.8011 %
7734.319	tg. salida	468.349	1.0000 %
7740.000	Rampa	468.406	1.0000 %
7760.000	Rampa	468.606	1.0000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
7780.000	Rampa	468.806	1.0000 %
7800.000	Rampa	469.006	1.0000 %
7820.000	Rampa	469.206	1.0000 %
7840.000	Rampa	469.406	1.0000 %
7860.000	Rampa	469.606	1.0000 %
7880.000	Rampa	469.806	1.0000 %
7900.000	Rampa	470.006	1.0000 %
7920.000	Rampa	470.206	1.0000 %
7940.000	Rampa	470.406	1.0000 %
7960.000	Rampa	470.606	1.0000 %
7980.000	Rampa	470.806	1.0000 %
8000.000	Rampa	471.006	1.0000 %
8020.000	Rampa	471.206	1.0000 %
8040.000	Rampa	471.406	1.0000 %
8060.000	Rampa	471.606	1.0000 %
8080.000	Rampa	471.806	1.0000 %
8100.000	Rampa	472.006	1.0000 %
8120.000	Rampa	472.206	1.0000 %
8140.000	Rampa	472.406	1.0000 %
8160.000	Rampa	472.606	1.0000 %
8180.000	Rampa	472.806	1.0000 %
8200.000	Rampa	473.006	1.0000 %
8220.000	Rampa	473.206	1.0000 %
8240.000	Rampa	473.406	1.0000 %
8260.000	Rampa	473.606	1.0000 %
8280.000	Rampa	473.806	1.0000 %
8300.000	Rampa	474.006	1.0000 %
8320.000	Rampa	474.206	1.0000 %
8340.000	Rampa	474.406	1.0000 %
8360.000	Rampa	474.606	1.0000 %
8361.462	tg. entrada	474.620	1.0000 %
8380.000	KV -7200	474.782	0.7425 %
8400.000	KV -7200	474.903	0.4648 %
8420.000	KV -7200	474.968	0.1870 %
8433.462	Punto Alto	474.980	0.0000 %
8440.000	KV -7200	474.977	-0.0908 %
8460.000	KV -7200	474.931	-0.3686 %
8480.000	KV -7200	474.830	-0.6464 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
8500.000	KV -7200	474.673	-0.9241 %
8520.000	KV -7200	474.460	-1.2019 %
8540.000	KV -7200	474.192	-1.4797 %
8560.000	KV -7200	473.868	-1.7575 %
8580.000	KV -7200	473.489	-2.0352 %
8600.000	KV -7200	473.054	-2.3130 %
8620.000	KV -7200	472.564	-2.5908 %
8640.000	KV -7200	472.018	-2.8686 %
8660.000	KV -7200	471.417	-3.1464 %
8680.000	KV -7200	470.759	-3.4241 %
8685.462	tg. salida	470.570	-3.5000 %
8700.000	Pendiente	470.062	-3.5000 %
8720.000	Pendiente	469.362	-3.5000 %
8740.000	Pendiente	468.662	-3.5000 %
8760.000	Pendiente	467.962	-3.5000 %
8778.711	tg. entrada	467.307	-3.5000 %
8780.000	KV 10000	467.262	-3.4871 %
8800.000	KV 10000	466.584	-3.2871 %
8820.000	KV 10000	465.947	-3.0871 %
8840.000	KV 10000	465.349	-2.8871 %
8860.000	KV 10000	464.792	-2.6871 %
8880.000	KV 10000	464.274	-2.4871 %
8900.000	KV 10000	463.797	-2.2871 %
8920.000	KV 10000	463.360	-2.0871 %
8940.000	KV 10000	462.962	-1.8871 %
8960.000	KV 10000	462.605	-1.6871 %
8980.000	KV 10000	462.287	-1.4871 %
9000.000	KV 10000	462.010	-1.2871 %
9020.000	KV 10000	461.773	-1.0871 %
9040.000	KV 10000	461.575	-0.8871 %
9048.711	tg. salida	461.502	-0.8000 %
9060.000	Pendiente	461.411	-0.8000 %
9080.000	Pendiente	461.251	-0.8000 %
9100.000	Pendiente	461.091	-0.8000 %
9120.000	Pendiente	460.931	-0.8000 %
9140.000	Pendiente	460.771	-0.8000 %
9160.000	Pendiente	460.611	-0.8000 %
9180.000	Pendiente	460.451	-0.8000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
9200.000	Pendiente	460.291	-0.8000 %
9220.000	Pendiente	460.131	-0.8000 %
9224.346	tg. entrada	460.097	-0.8000 %
9240.000	KV -15300	459.963	-0.9023 %
9260.000	KV -15300	459.770	-1.0330 %
9280.000	KV -15300	459.550	-1.1638 %
9300.000	KV -15300	459.304	-1.2945 %
9320.000	KV -15300	459.032	-1.4252 %
9340.000	KV -15300	458.734	-1.5559 %
9360.000	KV -15300	458.410	-1.6866 %
9380.000	KV -15300	458.060	-1.8173 %
9400.000	KV -15300	457.683	-1.9481 %
9420.000	KV -15300	457.280	-2.0788 %
9440.000	KV -15300	456.852	-2.2095 %
9460.000	KV -15300	456.397	-2.3402 %
9480.000	KV -15300	455.915	-2.4709 %
9500.000	KV -15300	455.408	-2.6017 %
9520.000	KV -15300	454.875	-2.7324 %
9540.000	KV -15300	454.315	-2.8631 %
9560.000	KV -15300	453.730	-2.9938 %
9560.946	tg. salida	453.701	-3.0000 %
9580.000	Pendiente	453.130	-3.0000 %
9600.000	Pendiente	452.530	-3.0000 %
9620.000	Pendiente	451.930	-3.0000 %
9640.000	Pendiente	451.330	-3.0000 %
9660.000	Pendiente	450.730	-3.0000 %
9680.000	Pendiente	450.130	-3.0000 %
9700.000	Pendiente	449.530	-3.0000 %
9720.000	Pendiente	448.930	-3.0000 %
9740.000	Pendiente	448.330	-3.0000 %
9760.000	Pendiente	447.730	-3.0000 %
9780.000	Pendiente	447.130	-3.0000 %
9800.000	Pendiente	446.530	-3.0000 %
9820.000	Pendiente	445.930	-3.0000 %
9840.000	Pendiente	445.330	-3.0000 %
9860.000	Pendiente	444.730	-3.0000 %
9880.000	Pendiente	444.130	-3.0000 %
9900.000	Pendiente	443.530	-3.0000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
9920.000	Pendiente	442.930	-3.0000 %
9940.000	Pendiente	442.330	-3.0000 %
9960.000	Pendiente	441.730	-3.0000 %
9980.000	Pendiente	441.130	-3.0000 %
10000.000	Pendiente	440.530	-3.0000 %
10020.000	Pendiente	439.930	-3.0000 %
10040.000	Pendiente	439.330	-3.0000 %
10060.000	Pendiente	438.730	-3.0000 %
10080.000	Pendiente	438.130	-3.0000 %
10100.000	Pendiente	437.530	-3.0000 %
10120.000	Pendiente	436.930	-3.0000 %
10140.000	Pendiente	436.330	-3.0000 %
10160.000	Pendiente	435.730	-3.0000 %
10180.000	Pendiente	435.130	-3.0000 %
10200.000	Pendiente	434.530	-3.0000 %
10220.000	Pendiente	433.930	-3.0000 %
10240.000	Pendiente	433.330	-3.0000 %
10260.000	Pendiente	432.730	-3.0000 %
10280.000	Pendiente	432.130	-3.0000 %
10300.000	Pendiente	431.530	-3.0000 %
10320.000	Pendiente	430.930	-3.0000 %
10340.000	Pendiente	430.330	-3.0000 %
10360.000	Pendiente	429.730	-3.0000 %
10380.000	Pendiente	429.130	-3.0000 %
10400.000	Pendiente	428.530	-3.0000 %
10420.000	Pendiente	427.930	-3.0000 %
10440.000	Pendiente	427.330	-3.0000 %
10460.000	Pendiente	426.730	-3.0000 %
10472.822	tg. entrada	426.345	-3.0000 %
10480.000	KV -15300	426.128	-3.0469 %
10500.000	KV -15300	425.505	-3.1776 %
10520.000	KV -15300	424.857	-3.3084 %
10540.000	KV -15300	424.182	-3.4391 %
10560.000	KV -15300	423.481	-3.5698 %
10580.000	KV -15300	422.754	-3.7005 %
10600.000	KV -15300	422.001	-3.8312 %
10620.000	KV -15300	421.222	-3.9619 %
10625.822	tg. salida	420.990	-4.0000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
10640.000	Pendiente	420.423	-4.0000 %
10660.000	Pendiente	419.623	-4.0000 %
10680.000	Pendiente	418.823	-4.0000 %
10700.000	Pendiente	418.023	-4.0000 %
10720.000	Pendiente	417.223	-4.0000 %
10740.000	Pendiente	416.423	-4.0000 %
10741.767	tg. entrada	416.352	-4.0000 %
10760.000	KV 15300	415.634	-3.8808 %
10780.000	KV 15300	414.871	-3.7501 %
10800.000	KV 15300	414.134	-3.6194 %
10820.000	KV 15300	413.423	-3.4887 %
10840.000	KV 15300	412.738	-3.3580 %
10860.000	KV 15300	412.080	-3.2272 %
10880.000	KV 15300	411.447	-3.0965 %
10900.000	KV 15300	410.841	-2.9658 %
10920.000	KV 15300	410.261	-2.8351 %
10940.000	KV 15300	409.707	-2.7044 %
10960.000	KV 15300	409.179	-2.5736 %
10980.000	KV 15300	408.677	-2.4429 %
11000.000	KV 15300	408.202	-2.3122 %
11020.000	KV 15300	407.753	-2.1815 %
11040.000	KV 15300	407.329	-2.0508 %
11060.000	KV 15300	406.932	-1.9200 %
11080.000	KV 15300	406.561	-1.7893 %
11100.000	KV 15300	406.217	-1.6586 %
11120.000	KV 15300	405.898	-1.5279 %
11140.000	KV 15300	405.605	-1.3972 %
11160.000	KV 15300	405.339	-1.2664 %
11180.000	KV 15300	405.099	-1.1357 %
11200.000	KV 15300	404.885	-1.0050 %
11220.000	KV 15300	404.697	-0.8743 %
11240.000	KV 15300	404.535	-0.7436 %
11260.000	KV 15300	404.399	-0.6129 %
11280.000	KV 15300	404.290	-0.4821 %
11300.000	KV 15300	404.207	-0.3514 %
11320.000	KV 15300	404.149	-0.2207 %
11340.000	KV 15300	404.118	-0.0900 %
11353.767	Punto Bajo	404.112	0.0000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
11360.000	KV 15300	404.113	0.0407 %
11380.000	KV 15300	404.135	0.1715 %
11400.000	KV 15300	404.182	0.3022 %
11420.000	KV 15300	404.255	0.4329 %
11440.000	KV 15300	404.355	0.5636 %
11460.000	KV 15300	404.481	0.6943 %
11480.000	KV 15300	404.633	0.8251 %
11500.000	KV 15300	404.811	0.9558 %
11520.000	KV 15300	405.015	1.0865 %
11540.000	KV 15300	405.246	1.2172 %
11560.000	KV 15300	405.502	1.3479 %
11580.000	KV 15300	405.785	1.4786 %
11600.000	KV 15300	406.093	1.6094 %
11620.000	KV 15300	406.428	1.7401 %
11640.000	KV 15300	406.790	1.8708 %
11659.767	tg. salida	407.172	2.0000 %
11660.000	Rampa	407.177	2.0000 %
11680.000	Rampa	407.577	2.0000 %
11700.000	Rampa	407.977	2.0000 %
11720.000	Rampa	408.377	2.0000 %
11740.000	Rampa	408.777	2.0000 %
11748.322	Rampa	408.943	2.0000 %

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*** ESTADO DE RASANTES ***

PENDIENTE (°)	LONGITUD (m)	PARAMETRO (kv)	VERTICE p.k. cota	ENTRADA AL ACUERDO p.k. cota	SALIDA DEL ACUERDO p.k. cota	BISECT. (m)	DIF. PEN (%)
-2.500000	300.000	15000.000	557.523 393.062	0.000 407.000	407.523 396.812	707.523 392.312	0.750 2.000
-0.500000						2248.101 384.609	

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
0.000	Pendiente	407.000	-2.5000 %
20.000	Pendiente	406.500	-2.5000 %
40.000	Pendiente	406.000	-2.5000 %
60.000	Pendiente	405.500	-2.5000 %
80.000	Pendiente	405.000	-2.5000 %
100.000	Pendiente	404.500	-2.5000 %
120.000	Pendiente	404.000	-2.5000 %
140.000	Pendiente	403.500	-2.5000 %
160.000	Pendiente	403.000	-2.5000 %
180.000	Pendiente	402.500	-2.5000 %
200.000	Pendiente	402.000	-2.5000 %
220.000	Pendiente	401.500	-2.5000 %
240.000	Pendiente	401.000	-2.5000 %
260.000	Pendiente	400.500	-2.5000 %
280.000	Pendiente	400.000	-2.5000 %
300.000	Pendiente	399.500	-2.5000 %
320.000	Pendiente	399.000	-2.5000 %
340.000	Pendiente	398.500	-2.5000 %
360.000	Pendiente	398.000	-2.5000 %
380.000	Pendiente	397.500	-2.5000 %
400.000	Pendiente	397.000	-2.5000 %
407.523	tg. entrada	396.812	-2.5000 %
420.000	KV 15000	396.505	-2.4168 %
440.000	KV 15000	396.035	-2.2835 %
460.000	KV 15000	395.592	-2.1502 %
480.000	KV 15000	395.175	-2.0168 %
500.000	KV 15000	394.785	-1.8835 %
520.000	KV 15000	394.422	-1.7502 %
540.000	KV 15000	394.085	-1.6168 %
560.000	KV 15000	393.775	-1.4835 %
580.000	KV 15000	393.492	-1.3502 %
600.000	KV 15000	393.235	-1.2168 %
620.000	KV 15000	393.005	-1.0835 %
640.000	KV 15000	392.802	-0.9502 %
660.000	KV 15000	392.625	-0.8168 %
680.000	KV 15000	392.475	-0.6835 %
700.000	KV 15000	392.351	-0.5502 %
707.523	tg. salida	392.312	-0.5000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
720.000	Pendiente	392.250	-0.5000 %
740.000	Pendiente	392.150	-0.5000 %
760.000	Pendiente	392.050	-0.5000 %
780.000	Pendiente	391.950	-0.5000 %
800.000	Pendiente	391.850	-0.5000 %
820.000	Pendiente	391.750	-0.5000 %
840.000	Pendiente	391.650	-0.5000 %
860.000	Pendiente	391.550	-0.5000 %
880.000	Pendiente	391.450	-0.5000 %
900.000	Pendiente	391.350	-0.5000 %
920.000	Pendiente	391.250	-0.5000 %
940.000	Pendiente	391.150	-0.5000 %
960.000	Pendiente	391.050	-0.5000 %
980.000	Pendiente	390.950	-0.5000 %
1000.000	Pendiente	390.850	-0.5000 %
1020.000	Pendiente	390.750	-0.5000 %
1040.000	Pendiente	390.650	-0.5000 %
1060.000	Pendiente	390.550	-0.5000 %
1080.000	Pendiente	390.450	-0.5000 %
1100.000	Pendiente	390.350	-0.5000 %
1120.000	Pendiente	390.250	-0.5000 %
1140.000	Pendiente	390.150	-0.5000 %
1160.000	Pendiente	390.050	-0.5000 %
1180.000	Pendiente	389.950	-0.5000 %
1200.000	Pendiente	389.850	-0.5000 %
1220.000	Pendiente	389.750	-0.5000 %
1240.000	Pendiente	389.650	-0.5000 %
1260.000	Pendiente	389.550	-0.5000 %
1280.000	Pendiente	389.450	-0.5000 %
1300.000	Pendiente	389.350	-0.5000 %
1320.000	Pendiente	389.250	-0.5000 %
1340.000	Pendiente	389.150	-0.5000 %
1360.000	Pendiente	389.050	-0.5000 %
1380.000	Pendiente	388.950	-0.5000 %
1400.000	Pendiente	388.850	-0.5000 %
1420.000	Pendiente	388.750	-0.5000 %
1440.000	Pendiente	388.650	-0.5000 %
1460.000	Pendiente	388.550	-0.5000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
1480.000	Pendiente	388.450	-0.5000 %
1500.000	Pendiente	388.350	-0.5000 %
1520.000	Pendiente	388.250	-0.5000 %
1540.000	Pendiente	388.150	-0.5000 %
1560.000	Pendiente	388.050	-0.5000 %
1580.000	Pendiente	387.950	-0.5000 %
1600.000	Pendiente	387.850	-0.5000 %
1620.000	Pendiente	387.750	-0.5000 %
1640.000	Pendiente	387.650	-0.5000 %
1660.000	Pendiente	387.550	-0.5000 %
1680.000	Pendiente	387.450	-0.5000 %
1700.000	Pendiente	387.350	-0.5000 %
1720.000	Pendiente	387.250	-0.5000 %
1740.000	Pendiente	387.150	-0.5000 %
1760.000	Pendiente	387.050	-0.5000 %
1780.000	Pendiente	386.950	-0.5000 %
1800.000	Pendiente	386.850	-0.5000 %
1820.000	Pendiente	386.750	-0.5000 %
1840.000	Pendiente	386.650	-0.5000 %
1860.000	Pendiente	386.550	-0.5000 %
1880.000	Pendiente	386.450	-0.5000 %
1900.000	Pendiente	386.350	-0.5000 %
1920.000	Pendiente	386.250	-0.5000 %
1940.000	Pendiente	386.150	-0.5000 %
1960.000	Pendiente	386.050	-0.5000 %
1980.000	Pendiente	385.950	-0.5000 %
2000.000	Pendiente	385.850	-0.5000 %
2020.000	Pendiente	385.750	-0.5000 %
2040.000	Pendiente	385.650	-0.5000 %
2060.000	Pendiente	385.550	-0.5000 %
2080.000	Pendiente	385.450	-0.5000 %
2100.000	Pendiente	385.350	-0.5000 %
2120.000	Pendiente	385.250	-0.5000 %
2140.000	Pendiente	385.150	-0.5000 %
2160.000	Pendiente	385.050	-0.5000 %
2180.000	Pendiente	384.950	-0.5000 %
2200.000	Pendiente	384.850	-0.5000 %
2220.000	Pendiente	384.750	-0.5000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
2240.000	Pendiente	384.650	-0.5000 %
2248.101	Pendiente	384.609	-0.5000 %

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*** ESTADO DE RASANTES ***

PENDIENTE (°)	LONGITUD (m)	PARAMETRO (kv)	VERTICE p.k. cota	ENTRADA AL ACUERDO p.k. cota	SALIDA DEL ACUERDO p.k. cota	BISECT. (m)	DIF.PEN (%)
-3.000000	250.000	10000.000	548.250 391.552	0.000 408.000	423.250 395.302	673.250 390.927	0.781 2.500
-0.500000	200.000	8000.000	2618.422 381.202	2518.422 381.702	2718.422 383.202	0.625 2.500	
2.000000	765.000	15300.000	3152.434 391.882	2769.934 384.232	3534.934 380.407	4.781 -5.000	
-3.000000	350.000	10000.000	4113.517 363.049	3938.517 368.299	4288.517 363.924	1.531 3.500	
0.500000	153.000	15300.000	4630.849 365.636	4554.349 365.254	4707.349 365.254	0.191 -1.000	
-0.500000	382.500	15300.000	5663.994 360.470	5472.744 361.427	5855.244 364.295	1.195 2.500	
2.000000	627.300	15300.000	6273.161 372.654	5959.511 366.381	6586.811 366.067	3.215 -4.100	
-2.100000	308.000	7000.000	6741.139 362.826	6587.139 366.060	6895.139 366.368	1.694 4.400	
2.300000					7574.788 382.000		

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
0.000	Pendiente	408.000	-3.0000 %
20.000	Pendiente	407.400	-3.0000 %
40.000	Pendiente	406.800	-3.0000 %
60.000	Pendiente	406.200	-3.0000 %
80.000	Pendiente	405.600	-3.0000 %
100.000	Pendiente	405.000	-3.0000 %
120.000	Pendiente	404.400	-3.0000 %
140.000	Pendiente	403.800	-3.0000 %
160.000	Pendiente	403.200	-3.0000 %
180.000	Pendiente	402.600	-3.0000 %
200.000	Pendiente	402.000	-3.0000 %
220.000	Pendiente	401.400	-3.0000 %
240.000	Pendiente	400.800	-3.0000 %
260.000	Pendiente	400.200	-3.0000 %
280.000	Pendiente	399.600	-3.0000 %
300.000	Pendiente	399.000	-3.0000 %
320.000	Pendiente	398.400	-3.0000 %
340.000	Pendiente	397.800	-3.0000 %
360.000	Pendiente	397.200	-3.0000 %
380.000	Pendiente	396.600	-3.0000 %
400.000	Pendiente	396.000	-3.0000 %
420.000	Pendiente	395.400	-3.0000 %
423.250	tg. entrada	395.302	-3.0000 %
440.000	KV 10000	394.814	-2.8325 %
460.000	KV 10000	394.268	-2.6325 %
480.000	KV 10000	393.761	-2.4325 %
500.000	KV 10000	393.295	-2.2325 %
520.000	KV 10000	392.868	-2.0325 %
540.000	KV 10000	392.482	-1.8325 %
560.000	KV 10000	392.135	-1.6325 %
580.000	KV 10000	391.829	-1.4325 %
600.000	KV 10000	391.562	-1.2325 %
620.000	KV 10000	391.336	-1.0325 %
640.000	KV 10000	391.149	-0.8325 %
660.000	KV 10000	391.003	-0.6325 %
673.250	tg. salida	390.927	-0.5000 %
680.000	Pendiente	390.894	-0.5000 %
700.000	Pendiente	390.794	-0.5000 %

Actualización 2016

Actualización 2019:



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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
720.000	Pendiente	390.694	-0.5000 %
740.000	Pendiente	390.594	-0.5000 %
760.000	Pendiente	390.494	-0.5000 %
780.000	Pendiente	390.394	-0.5000 %
800.000	Pendiente	390.294	-0.5000 %
820.000	Pendiente	390.194	-0.5000 %
840.000	Pendiente	390.094	-0.5000 %
860.000	Pendiente	389.994	-0.5000 %
880.000	Pendiente	389.894	-0.5000 %
900.000	Pendiente	389.794	-0.5000 %
920.000	Pendiente	389.694	-0.5000 %
940.000	Pendiente	389.594	-0.5000 %
960.000	Pendiente	389.494	-0.5000 %
980.000	Pendiente	389.394	-0.5000 %
1000.000	Pendiente	389.294	-0.5000 %
1020.000	Pendiente	389.194	-0.5000 %
1040.000	Pendiente	389.094	-0.5000 %
1060.000	Pendiente	388.994	-0.5000 %
1080.000	Pendiente	388.894	-0.5000 %
1100.000	Pendiente	388.794	-0.5000 %
1120.000	Pendiente	388.694	-0.5000 %
1140.000	Pendiente	388.594	-0.5000 %
1160.000	Pendiente	388.494	-0.5000 %
1180.000	Pendiente	388.394	-0.5000 %
1200.000	Pendiente	388.294	-0.5000 %
1220.000	Pendiente	388.194	-0.5000 %
1240.000	Pendiente	388.094	-0.5000 %
1260.000	Pendiente	387.994	-0.5000 %
1280.000	Pendiente	387.894	-0.5000 %
1300.000	Pendiente	387.794	-0.5000 %
1320.000	Pendiente	387.694	-0.5000 %
1340.000	Pendiente	387.594	-0.5000 %
1360.000	Pendiente	387.494	-0.5000 %
1380.000	Pendiente	387.394	-0.5000 %
1400.000	Pendiente	387.294	-0.5000 %
1420.000	Pendiente	387.194	-0.5000 %
1440.000	Pendiente	387.094	-0.5000 %
1460.000	Pendiente	386.994	-0.5000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
1480.000	Pendiente	386.894	-0.5000 %
1500.000	Pendiente	386.794	-0.5000 %
1520.000	Pendiente	386.694	-0.5000 %
1540.000	Pendiente	386.594	-0.5000 %
1560.000	Pendiente	386.494	-0.5000 %
1580.000	Pendiente	386.394	-0.5000 %
1600.000	Pendiente	386.294	-0.5000 %
1620.000	Pendiente	386.194	-0.5000 %
1640.000	Pendiente	386.094	-0.5000 %
1660.000	Pendiente	385.994	-0.5000 %
1680.000	Pendiente	385.894	-0.5000 %
1700.000	Pendiente	385.794	-0.5000 %
1720.000	Pendiente	385.694	-0.5000 %
1740.000	Pendiente	385.594	-0.5000 %
1760.000	Pendiente	385.494	-0.5000 %
1780.000	Pendiente	385.394	-0.5000 %
1800.000	Pendiente	385.294	-0.5000 %
1820.000	Pendiente	385.194	-0.5000 %
1840.000	Pendiente	385.094	-0.5000 %
1860.000	Pendiente	384.994	-0.5000 %
1880.000	Pendiente	384.894	-0.5000 %
1900.000	Pendiente	384.794	-0.5000 %
1920.000	Pendiente	384.694	-0.5000 %
1940.000	Pendiente	384.594	-0.5000 %
1960.000	Pendiente	384.494	-0.5000 %
1980.000	Pendiente	384.394	-0.5000 %
2000.000	Pendiente	384.294	-0.5000 %
2020.000	Pendiente	384.194	-0.5000 %
2040.000	Pendiente	384.094	-0.5000 %
2060.000	Pendiente	383.994	-0.5000 %
2080.000	Pendiente	383.894	-0.5000 %
2100.000	Pendiente	383.794	-0.5000 %
2120.000	Pendiente	383.694	-0.5000 %
2140.000	Pendiente	383.594	-0.5000 %
2160.000	Pendiente	383.494	-0.5000 %
2180.000	Pendiente	383.394	-0.5000 %
2200.000	Pendiente	383.294	-0.5000 %
2220.000	Pendiente	383.194	-0.5000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
2240.000	Pendiente	383.094	-0.5000 %
2260.000	Pendiente	382.994	-0.5000 %
2280.000	Pendiente	382.894	-0.5000 %
2300.000	Pendiente	382.794	-0.5000 %
2320.000	Pendiente	382.694	-0.5000 %
2340.000	Pendiente	382.594	-0.5000 %
2360.000	Pendiente	382.494	-0.5000 %
2380.000	Pendiente	382.394	-0.5000 %
2400.000	Pendiente	382.294	-0.5000 %
2420.000	Pendiente	382.194	-0.5000 %
2440.000	Pendiente	382.094	-0.5000 %
2460.000	Pendiente	381.994	-0.5000 %
2480.000	Pendiente	381.894	-0.5000 %
2500.000	Pendiente	381.794	-0.5000 %
2518.422	tg. entrada	381.702	-0.5000 %
2520.000	KV 8000	381.694	-0.4803 %
2540.000	KV 8000	381.623	-0.2303 %
2558.422	Punto Bajo	381.602	0.0000 %
2560.000	KV 8000	381.602	0.0197 %
2580.000	KV 8000	381.631	0.2697 %
2600.000	KV 8000	381.710	0.5197 %
2620.000	KV 8000	381.839	0.7697 %
2640.000	KV 8000	382.018	1.0197 %
2660.000	KV 8000	382.247	1.2697 %
2680.000	KV 8000	382.525	1.5197 %
2700.000	KV 8000	382.854	1.7697 %
2718.422	tg. salida	383.202	2.0000 %
2720.000	Rampa	383.233	2.0000 %
2740.000	Rampa	383.633	2.0000 %
2760.000	Rampa	384.033	2.0000 %
2769.934	tg. entrada	384.232	2.0000 %
2780.000	KV -15300	384.430	1.9342 %
2800.000	KV -15300	384.804	1.8035 %
2820.000	KV -15300	385.151	1.6728 %
2840.000	KV -15300	385.473	1.5420 %
2860.000	KV -15300	385.768	1.4113 %
2880.000	KV -15300	386.037	1.2806 %
2900.000	KV -15300	386.280	1.1499 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
2920.000	KV -15300	386.497	1.0192 %
2940.000	KV -15300	386.688	0.8885 %
2960.000	KV -15300	386.853	0.7577 %
2980.000	KV -15300	386.991	0.6270 %
3000.000	KV -15300	387.103	0.4963 %
3020.000	KV -15300	387.190	0.3656 %
3040.000	KV -15300	387.250	0.2349 %
3060.000	KV -15300	387.284	0.1041 %
3075.934	Punto Alto	387.292	0.0000 %
3080.000	KV -15300	387.291	-0.0266 %
3100.000	KV -15300	387.273	-0.1573 %
3120.000	KV -15300	387.228	-0.2880 %
3140.000	KV -15300	387.158	-0.4187 %
3160.000	KV -15300	387.061	-0.5495 %
3180.000	KV -15300	386.938	-0.6802 %
3200.000	KV -15300	386.789	-0.8109 %
3220.000	KV -15300	386.614	-0.9416 %
3240.000	KV -15300	386.412	-1.0723 %
3260.000	KV -15300	386.185	-1.2030 %
3280.000	KV -15300	385.931	-1.3338 %
3300.000	KV -15300	385.651	-1.4645 %
3320.000	KV -15300	385.345	-1.5952 %
3340.000	KV -15300	385.013	-1.7259 %
3360.000	KV -15300	384.655	-1.8566 %
3380.000	KV -15300	384.270	-1.9874 %
3400.000	KV -15300	383.860	-2.1181 %
3420.000	KV -15300	383.423	-2.2488 %
3440.000	KV -15300	382.960	-2.3795 %
3460.000	KV -15300	382.471	-2.5102 %
3480.000	KV -15300	381.956	-2.6410 %
3500.000	KV -15300	381.415	-2.7717 %
3520.000	KV -15300	380.848	-2.9024 %
3534.934	tg. salida	380.407	-3.0000 %
3540.000	Pendiente	380.255	-3.0000 %
3560.000	Pendiente	379.655	-3.0000 %
3580.000	Pendiente	379.055	-3.0000 %
3600.000	Pendiente	378.455	-3.0000 %
3620.000	Pendiente	377.855	-3.0000 %

Actualización 2016



Actualización 2019:



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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
3640.000	Pendiente	377.255	-3.0000 %
3660.000	Pendiente	376.655	-3.0000 %
3680.000	Pendiente	376.055	-3.0000 %
3700.000	Pendiente	375.455	-3.0000 %
3720.000	Pendiente	374.855	-3.0000 %
3740.000	Pendiente	374.255	-3.0000 %
3760.000	Pendiente	373.655	-3.0000 %
3780.000	Pendiente	373.055	-3.0000 %
3800.000	Pendiente	372.455	-3.0000 %
3820.000	Pendiente	371.855	-3.0000 %
3840.000	Pendiente	371.255	-3.0000 %
3860.000	Pendiente	370.655	-3.0000 %
3880.000	Pendiente	370.055	-3.0000 %
3900.000	Pendiente	369.455	-3.0000 %
3920.000	Pendiente	368.855	-3.0000 %
3938.517	tg. entrada	368.299	-3.0000 %
3940.000	KV 10000	368.255	-2.9852 %
3960.000	KV 10000	367.678	-2.7852 %
3980.000	KV 10000	367.141	-2.5852 %
4000.000	KV 10000	366.644	-2.3852 %
4020.000	KV 10000	366.187	-2.1852 %
4040.000	KV 10000	365.770	-1.9852 %
4060.000	KV 10000	365.393	-1.7852 %
4080.000	KV 10000	365.056	-1.5852 %
4100.000	KV 10000	364.759	-1.3852 %
4120.000	KV 10000	364.502	-1.1852 %
4140.000	KV 10000	364.285	-0.9852 %
4160.000	KV 10000	364.108	-0.7852 %
4180.000	KV 10000	363.971	-0.5852 %
4200.000	KV 10000	363.874	-0.3852 %
4220.000	KV 10000	363.816	-0.1852 %
4238.517	Punto Bajo	363.799	0.0000 %
4240.000	KV 10000	363.799	0.0148 %
4260.000	KV 10000	363.822	0.2148 %
4280.000	KV 10000	363.885	0.4148 %
4288.517	tg. salida	363.924	0.5000 %
4300.000	Rampa	363.982	0.5000 %
4320.000	Rampa	364.082	0.5000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
4340.000	Rampa	364.182	0.5000 %
4360.000	Rampa	364.282	0.5000 %
4380.000	Rampa	364.382	0.5000 %
4400.000	Rampa	364.482	0.5000 %
4420.000	Rampa	364.582	0.5000 %
4440.000	Rampa	364.682	0.5000 %
4460.000	Rampa	364.782	0.5000 %
4480.000	Rampa	364.882	0.5000 %
4500.000	Rampa	364.982	0.5000 %
4520.000	Rampa	365.082	0.5000 %
4540.000	Rampa	365.182	0.5000 %
4554.349	tg. entrada	365.254	0.5000 %
4560.000	KV -15300	365.281	0.4631 %
4580.000	KV -15300	365.360	0.3323 %
4600.000	KV -15300	365.414	0.2016 %
4620.000	KV -15300	365.441	0.0709 %
4630.849	Punto Alto	365.445	0.0000 %
4640.000	KV -15300	365.442	-0.0598 %
4660.000	KV -15300	365.417	-0.1905 %
4680.000	KV -15300	365.366	-0.3213 %
4700.000	KV -15300	365.288	-0.4520 %
4707.349	tg. salida	365.254	-0.5000 %
4720.000	Pendiente	365.190	-0.5000 %
4740.000	Pendiente	365.090	-0.5000 %
4760.000	Pendiente	364.990	-0.5000 %
4780.000	Pendiente	364.890	-0.5000 %
4800.000	Pendiente	364.790	-0.5000 %
4820.000	Pendiente	364.690	-0.5000 %
4840.000	Pendiente	364.590	-0.5000 %
4860.000	Pendiente	364.490	-0.5000 %
4880.000	Pendiente	364.390	-0.5000 %
4900.000	Pendiente	364.290	-0.5000 %
4920.000	Pendiente	364.190	-0.5000 %
4940.000	Pendiente	364.090	-0.5000 %
4960.000	Pendiente	363.990	-0.5000 %
4980.000	Pendiente	363.890	-0.5000 %
5000.000	Pendiente	363.790	-0.5000 %
5020.000	Pendiente	363.690	-0.5000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
5040.000	Pendiente	363.590	-0.5000 %
5060.000	Pendiente	363.490	-0.5000 %
5080.000	Pendiente	363.390	-0.5000 %
5100.000	Pendiente	363.290	-0.5000 %
5120.000	Pendiente	363.190	-0.5000 %
5140.000	Pendiente	363.090	-0.5000 %
5160.000	Pendiente	362.990	-0.5000 %
5180.000	Pendiente	362.890	-0.5000 %
5200.000	Pendiente	362.790	-0.5000 %
5220.000	Pendiente	362.690	-0.5000 %
5240.000	Pendiente	362.590	-0.5000 %
5260.000	Pendiente	362.490	-0.5000 %
5280.000	Pendiente	362.390	-0.5000 %
5300.000	Pendiente	362.290	-0.5000 %
5320.000	Pendiente	362.190	-0.5000 %
5340.000	Pendiente	362.090	-0.5000 %
5360.000	Pendiente	361.990	-0.5000 %
5380.000	Pendiente	361.890	-0.5000 %
5400.000	Pendiente	361.790	-0.5000 %
5420.000	Pendiente	361.690	-0.5000 %
5440.000	Pendiente	361.590	-0.5000 %
5460.000	Pendiente	361.490	-0.5000 %
5472.744	tg. entrada	361.427	-0.5000 %
5480.000	KV 15300	361.392	-0.4526 %
5500.000	KV 15300	361.315	-0.3219 %
5520.000	KV 15300	361.263	-0.1911 %
5540.000	KV 15300	361.238	-0.0604 %
5549.244	Punto Bajo	361.235	0.0000 %
5560.000	KV 15300	361.239	0.0703 %
5580.000	KV 15300	361.266	0.2010 %
5600.000	KV 15300	361.319	0.3317 %
5620.000	KV 15300	361.399	0.4625 %
5640.000	KV 15300	361.504	0.5932 %
5660.000	KV 15300	361.636	0.7239 %
5680.000	KV 15300	361.794	0.8546 %
5700.000	KV 15300	361.978	0.9853 %
5720.000	KV 15300	362.188	1.1161 %
5740.000	KV 15300	362.424	1.2468 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
5760.000	KV 15300	362.687	1.3775 %
5780.000	KV 15300	362.975	1.5082 %
5800.000	KV 15300	363.290	1.6389 %
5820.000	KV 15300	363.631	1.7696 %
5840.000	KV 15300	363.998	1.9004 %
5855.244	tg. salida	364.295	2.0000 %
5860.000	Rampa	364.390	2.0000 %
5880.000	Rampa	364.790	2.0000 %
5900.000	Rampa	365.190	2.0000 %
5920.000	Rampa	365.590	2.0000 %
5940.000	Rampa	365.990	2.0000 %
5959.511	tg. entrada	366.381	2.0000 %
5960.000	KV -15300	366.390	1.9968 %
5980.000	KV -15300	366.777	1.8661 %
6000.000	KV -15300	367.137	1.7354 %
6020.000	KV -15300	367.471	1.6046 %
6040.000	KV -15300	367.779	1.4739 %
6060.000	KV -15300	368.060	1.3432 %
6080.000	KV -15300	368.316	1.2125 %
6100.000	KV -15300	368.545	1.0818 %
6120.000	KV -15300	368.749	0.9511 %
6140.000	KV -15300	368.926	0.8203 %
6160.000	KV -15300	369.077	0.6896 %
6180.000	KV -15300	369.202	0.5589 %
6200.000	KV -15300	369.300	0.4282 %
6220.000	KV -15300	369.373	0.2975 %
6240.000	KV -15300	369.419	0.1667 %
6260.000	KV -15300	369.440	0.0360 %
6265.511	Punto Alto	369.441	0.0000 %
6280.000	KV -15300	369.434	-0.0947 %
6300.000	KV -15300	369.402	-0.2254 %
6320.000	KV -15300	369.344	-0.3561 %
6340.000	KV -15300	369.259	-0.4869 %
6360.000	KV -15300	369.149	-0.6176 %
6380.000	KV -15300	369.012	-0.7483 %
6400.000	KV -15300	368.850	-0.8790 %
6420.000	KV -15300	368.661	-1.0097 %
6440.000	KV -15300	368.446	-1.1405 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
6460.000	KV -15300	368.204	-1.2712 %
6480.000	KV -15300	367.937	-1.4019 %
6500.000	KV -15300	367.644	-1.5326 %
6520.000	KV -15300	367.324	-1.6633 %
6540.000	KV -15300	366.978	-1.7940 %
6560.000	KV -15300	366.607	-1.9248 %
6580.000	KV -15300	366.208	-2.0555 %
6586.811	tg. salida	366.067	-2.1000 %
6587.139	tg. entrada	366.060	-2.1000 %
6600.000	KV 7000	365.802	-1.9163 %
6620.000	KV 7000	365.447	-1.6306 %
6640.000	KV 7000	365.150	-1.3448 %
6660.000	KV 7000	364.909	-1.0591 %
6680.000	KV 7000	364.726	-0.7734 %
6700.000	KV 7000	364.600	-0.4877 %
6720.000	KV 7000	364.531	-0.2020 %
6734.139	Punto Bajo	364.517	0.0000 %
6740.000	KV 7000	364.519	0.0837 %
6760.000	KV 7000	364.564	0.3694 %
6780.000	KV 7000	364.667	0.6352 %
6800.000	KV 7000	364.826	0.9409 %
6820.000	KV 7000	365.043	1.2266 %
6840.000	KV 7000	365.317	1.5123 %
6860.000	KV 7000	365.648	1.7980 %
6880.000	KV 7000	366.036	2.0837 %
6895.139	tg. salida	366.368	2.3000 %
6900.000	Rampa	366.480	2.3000 %
6920.000	Rampa	366.940	2.3000 %
6940.000	Rampa	367.400	2.3000 %
6960.000	Rampa	367.860	2.3000 %
6980.000	Rampa	368.320	2.3000 %
7000.000	Rampa	368.780	2.3000 %
7020.000	Rampa	369.240	2.3000 %
7040.000	Rampa	369.700	2.3000 %
7060.000	Rampa	370.160	2.3000 %
7080.000	Rampa	370.620	2.3000 %
7100.000	Rampa	371.080	2.3000 %
7120.000	Rampa	371.540	2.3000 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
7140.000	Rampa	372.000	2.3000 %
7160.000	Rampa	372.460	2.3000 %
7180.000	Rampa	372.920	2.3000 %
7200.000	Rampa	373.380	2.3000 %
7220.000	Rampa	373.840	2.3000 %
7240.000	Rampa	374.300	2.3000 %
7260.000	Rampa	374.760	2.3000 %
7280.000	Rampa	375.220	2.3000 %
7300.000	Rampa	375.680	2.3000 %
7320.000	Rampa	376.140	2.3000 %
7340.000	Rampa	376.600	2.3000 %
7360.000	Rampa	377.060	2.3000 %
7380.000	Rampa	377.520	2.3000 %
7400.000	Rampa	377.980	2.3000 %
7420.000	Rampa	378.440	2.3000 %
7440.000	Rampa	378.900	2.3000 %
7460.000	Rampa	379.360	2.3000 %
7480.000	Rampa	379.820	2.3000 %
7500.000	Rampa	380.280	2.3000 %
7520.000	Rampa	380.740	2.3000 %
7540.000	Rampa	381.200	2.3000 %
7560.000	Rampa	381.660	2.3000 %
7574.788	Rampa	382.000	2.3000 %

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*** ESTADO DE RASANTES ***

PENDIENTE (%)	LONGITUD (m.)	PARAMETRO (kv)	VÉRTICE PK	Z	ENTRADA AL ACUERDO PK	Z	SALIDA DEL ACUERDO PK	Z	BISECT. (m.)	DIF. PEN (%)
					0.000	387.500				
0.527701	130.565	800000.000	977.335	392.657	912.052	392.313	1042.617	392.991	0.003	-0.016
0.511380	222.380	20000.000	2933.937	402.663	2822.747	402.094	3045.126	404.468	0.309	1.112
1.623280	203.405	30000.000	4300.640	424.848	4198.937	423.198	4402.343	425.810	0.172	-0.678
0.945262	437.755	15000.000	6275.605	443.517	6056.728	441.448	6494.483	451.974	1.597	2.918
3.863630	761.042	12000.000	7198.997	479.194	6818.476	464.492	7579.518	469.763	6.033	-6.342
-2.478388	366.509	8500.000	9890.975	412.476	9707.721	417.018	10074.230	415.836	1.975	4.312
1.833485	498.650	15600.000	10598.277	425.444	10348.952	420.873	10847.602	422.046	1.992	-3.196
-1.362989	205.921	8500.000	12225.870	403.260	12122.909	404.664	12328.830	404.351	0.624	2.423
1.059610	276.529	15600.000	12781.329	409.146	12643.065	407.681	12919.594	408.160	0.613	-1.773
-0.713012							14042.052	400.157		

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
0.000	Rampa	387.500	0.5277 %
20.000	Rampa	387.606	0.5277 %
40.000	Rampa	387.711	0.5277 %
60.000	Rampa	387.817	0.5277 %
80.000	Rampa	387.922	0.5277 %
100.000	Rampa	388.028	0.5277 %
120.000	Rampa	388.133	0.5277 %
140.000	Rampa	388.239	0.5277 %
160.000	Rampa	388.344	0.5277 %
180.000	Rampa	388.450	0.5277 %
200.000	Rampa	388.555	0.5277 %
220.000	Rampa	388.661	0.5277 %
240.000	Rampa	388.766	0.5277 %
260.000	Rampa	388.872	0.5277 %
280.000	Rampa	388.978	0.5277 %
300.000	Rampa	389.083	0.5277 %
320.000	Rampa	389.189	0.5277 %
340.000	Rampa	389.294	0.5277 %
360.000	Rampa	389.400	0.5277 %
380.000	Rampa	389.505	0.5277 %
400.000	Rampa	389.611	0.5277 %
420.000	Rampa	389.716	0.5277 %
440.000	Rampa	389.822	0.5277 %
460.000	Rampa	389.927	0.5277 %
480.000	Rampa	390.033	0.5277 %
500.000	Rampa	390.139	0.5277 %
520.000	Rampa	390.244	0.5277 %
540.000	Rampa	390.350	0.5277 %
560.000	Rampa	390.455	0.5277 %
580.000	Rampa	390.561	0.5277 %
600.000	Rampa	390.666	0.5277 %
620.000	Rampa	390.772	0.5277 %
640.000	Rampa	390.877	0.5277 %
660.000	Rampa	390.983	0.5277 %
680.000	Rampa	391.088	0.5277 %
700.000	Rampa	391.194	0.5277 %
720.000	Rampa	391.299	0.5277 %
740.000	Rampa	391.405	0.5277 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
760.000	Rampa	391.511	0.5277 %
780.000	Rampa	391.616	0.5277 %
800.000	Rampa	391.722	0.5277 %
820.000	Rampa	391.827	0.5277 %
840.000	Rampa	391.933	0.5277 %
860.000	Rampa	392.038	0.5277 %
880.000	Rampa	392.144	0.5277 %
900.000	Rampa	392.249	0.5277 %
912.052	tg. entrada	392.313	0.5277 %
920.000	KV -800000	392.355	0.5267 %
940.000	KV -800000	392.460	0.5242 %
960.000	KV -800000	392.564	0.5217 %
980.000	KV -800000	392.669	0.5192 %
1000.000	KV -800000	392.772	0.5167 %
1020.000	KV -800000	392.875	0.5142 %
1040.000	KV -800000	392.978	0.5117 %
1042.617	tg. salida	392.991	0.5114 %
1060.000	Rampa	393.080	0.5114 %
1080.000	Rampa	393.182	0.5114 %
1100.000	Rampa	393.285	0.5114 %
1120.000	Rampa	393.387	0.5114 %
1140.000	Rampa	393.489	0.5114 %
1160.000	Rampa	393.592	0.5114 %
1180.000	Rampa	393.694	0.5114 %
1200.000	Rampa	393.796	0.5114 %
1220.000	Rampa	393.898	0.5114 %
1240.000	Rampa	394.001	0.5114 %
1260.000	Rampa	394.103	0.5114 %
1280.000	Rampa	394.205	0.5114 %
1300.000	Rampa	394.307	0.5114 %
1320.000	Rampa	394.410	0.5114 %
1340.000	Rampa	394.512	0.5114 %
1360.000	Rampa	394.614	0.5114 %
1380.000	Rampa	394.717	0.5114 %
1400.000	Rampa	394.819	0.5114 %
1420.000	Rampa	394.921	0.5114 %
1440.000	Rampa	395.023	0.5114 %
1460.000	Rampa	395.126	0.5114 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
1480.000	Rampa	395.228	0.5114 %
1500.000	Rampa	395.330	0.5114 %
1520.000	Rampa	395.432	0.5114 %
1540.000	Rampa	395.535	0.5114 %
1560.000	Rampa	395.637	0.5114 %
1580.000	Rampa	395.739	0.5114 %
1600.000	Rampa	395.842	0.5114 %
1620.000	Rampa	395.944	0.5114 %
1640.000	Rampa	396.046	0.5114 %
1660.000	Rampa	396.148	0.5114 %
1680.000	Rampa	396.251	0.5114 %
1700.000	Rampa	396.353	0.5114 %
1720.000	Rampa	396.455	0.5114 %
1740.000	Rampa	396.558	0.5114 %
1760.000	Rampa	396.660	0.5114 %
1780.000	Rampa	396.762	0.5114 %
1800.000	Rampa	396.864	0.5114 %
1820.000	Rampa	396.967	0.5114 %
1840.000	Rampa	397.069	0.5114 %
1860.000	Rampa	397.171	0.5114 %
1880.000	Rampa	397.273	0.5114 %
1900.000	Rampa	397.376	0.5114 %
1920.000	Rampa	397.478	0.5114 %
1940.000	Rampa	397.580	0.5114 %
1960.000	Rampa	397.683	0.5114 %
1980.000	Rampa	397.785	0.5114 %
2000.000	Rampa	397.887	0.5114 %
2020.000	Rampa	397.989	0.5114 %
2040.000	Rampa	398.092	0.5114 %
2060.000	Rampa	398.194	0.5114 %
2080.000	Rampa	398.296	0.5114 %
2100.000	Rampa	398.398	0.5114 %
2120.000	Rampa	398.501	0.5114 %
2140.000	Rampa	398.603	0.5114 %
2160.000	Rampa	398.705	0.5114 %
2180.000	Rampa	398.808	0.5114 %
2200.000	Rampa	398.910	0.5114 %
2220.000	Rampa	399.012	0.5114 %

Actualización 2016



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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
2240.000	Rampa	399.114	0.5114 %
2260.000	Rampa	399.217	0.5114 %
2280.000	Rampa	399.319	0.5114 %
2300.000	Rampa	399.421	0.5114 %
2320.000	Rampa	399.524	0.5114 %
2340.000	Rampa	399.626	0.5114 %
2360.000	Rampa	399.728	0.5114 %
2380.000	Rampa	399.830	0.5114 %
2400.000	Rampa	399.933	0.5114 %
2420.000	Rampa	400.035	0.5114 %
2440.000	Rampa	400.137	0.5114 %
2460.000	Rampa	400.239	0.5114 %
2480.000	Rampa	400.342	0.5114 %
2500.000	Rampa	400.444	0.5114 %
2520.000	Rampa	400.546	0.5114 %
2540.000	Rampa	400.649	0.5114 %
2560.000	Rampa	400.751	0.5114 %
2580.000	Rampa	400.853	0.5114 %
2600.000	Rampa	400.955	0.5114 %
2620.000	Rampa	401.058	0.5114 %
2640.000	Rampa	401.160	0.5114 %
2660.000	Rampa	401.262	0.5114 %
2680.000	Rampa	401.364	0.5114 %
2700.000	Rampa	401.467	0.5114 %
2720.000	Rampa	401.569	0.5114 %
2740.000	Rampa	401.671	0.5114 %
2760.000	Rampa	401.774	0.5114 %
2780.000	Rampa	401.876	0.5114 %
2800.000	Rampa	401.978	0.5114 %
2820.000	Rampa	402.080	0.5114 %
2822.747	tg. entrada	402.094	0.5114 %
2840.000	KV 20000	402.190	0.5976 %
2860.000	KV 20000	402.320	0.6976 %
2880.000	KV 20000	402.469	0.7976 %
2900.000	KV 20000	402.639	0.8976 %
2920.000	KV 20000	402.828	0.9976 %
2940.000	KV 20000	403.038	1.0976 %
2960.000	KV 20000	403.267	1.1976 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
2980.000	KV 20000	403.517	1.2976 %
3000.000	KV 20000	403.786	1.3976 %
3020.000	KV 20000	404.076	1.4976 %
3040.000	KV 20000	404.385	1.5976 %
3045.126	tg. salida	404.468	1.6233 %
3060.000	Rampa	404.709	1.6233 %
3080.000	Rampa	405.034	1.6233 %
3100.000	Rampa	405.359	1.6233 %
3120.000	Rampa	405.683	1.6233 %
3140.000	Rampa	406.008	1.6233 %
3160.000	Rampa	406.333	1.6233 %
3180.000	Rampa	406.657	1.6233 %
3200.000	Rampa	406.982	1.6233 %
3220.000	Rampa	407.307	1.6233 %
3240.000	Rampa	407.631	1.6233 %
3260.000	Rampa	407.956	1.6233 %
3280.000	Rampa	408.281	1.6233 %
3300.000	Rampa	408.605	1.6233 %
3320.000	Rampa	408.930	1.6233 %
3340.000	Rampa	409.255	1.6233 %
3360.000	Rampa	409.579	1.6233 %
3380.000	Rampa	409.904	1.6233 %
3400.000	Rampa	410.229	1.6233 %
3420.000	Rampa	410.553	1.6233 %
3440.000	Rampa	410.878	1.6233 %
3460.000	Rampa	411.203	1.6233 %
3480.000	Rampa	411.527	1.6233 %
3500.000	Rampa	411.852	1.6233 %
3520.000	Rampa	412.177	1.6233 %
3540.000	Rampa	412.501	1.6233 %
3560.000	Rampa	412.826	1.6233 %
3580.000	Rampa	413.150	1.6233 %
3600.000	Rampa	413.475	1.6233 %
3620.000	Rampa	413.800	1.6233 %
3640.000	Rampa	414.124	1.6233 %
3660.000	Rampa	414.449	1.6233 %
3680.000	Rampa	414.774	1.6233 %
3700.000	Rampa	415.098	1.6233 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
3720.000	Rampa	415.423	1.6233 %
3740.000	Rampa	415.748	1.6233 %
3760.000	Rampa	416.072	1.6233 %
3780.000	Rampa	416.397	1.6233 %
3800.000	Rampa	416.722	1.6233 %
3820.000	Rampa	417.046	1.6233 %
3840.000	Rampa	417.371	1.6233 %
3860.000	Rampa	417.696	1.6233 %
3880.000	Rampa	418.020	1.6233 %
3900.000	Rampa	418.345	1.6233 %
3920.000	Rampa	418.670	1.6233 %
3940.000	Rampa	418.994	1.6233 %
3960.000	Rampa	419.319	1.6233 %
3980.000	Rampa	419.644	1.6233 %
4000.000	Rampa	419.968	1.6233 %
4020.000	Rampa	420.293	1.6233 %
4040.000	Rampa	420.618	1.6233 %
4060.000	Rampa	420.942	1.6233 %
4080.000	Rampa	421.267	1.6233 %
4100.000	Rampa	421.592	1.6233 %
4120.000	Rampa	421.916	1.6233 %
4140.000	Rampa	422.241	1.6233 %
4160.000	Rampa	422.566	1.6233 %
4180.000	Rampa	422.890	1.6233 %
4198.937	tg. entrada	423.198	1.6233 %
4200.000	KV -30000	423.215	1.6197 %
4220.000	KV -30000	423.532	1.5531 %
4240.000	KV -30000	423.836	1.4864 %
4260.000	KV -30000	424.127	1.4197 %
4280.000	KV -30000	424.404	1.3531 %
4300.000	KV -30000	424.668	1.2864 %
4320.000	KV -30000	424.918	1.2197 %
4340.000	KV -30000	425.156	1.1531 %
4360.000	KV -30000	425.380	1.0864 %
4380.000	KV -30000	425.590	1.0197 %
4400.000	KV -30000	425.788	0.9531 %
4402.343	tg. salida	425.810	0.9453 %
4420.000	Rampa	425.977	0.9453 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
4440.000	Rampa	426.166	0.9453 %
4460.000	Rampa	426.355	0.9453 %
4480.000	Rampa	426.544	0.9453 %
4500.000	Rampa	426.733	0.9453 %
4520.000	Rampa	426.922	0.9453 %
4540.000	Rampa	427.111	0.9453 %
4560.000	Rampa	427.300	0.9453 %
4580.000	Rampa	427.489	0.9453 %
4600.000	Rampa	427.678	0.9453 %
4620.000	Rampa	427.867	0.9453 %
4640.000	Rampa	428.056	0.9453 %
4660.000	Rampa	428.245	0.9453 %
4680.000	Rampa	428.434	0.9453 %
4700.000	Rampa	428.623	0.9453 %
4720.000	Rampa	428.813	0.9453 %
4740.000	Rampa	429.002	0.9453 %
4760.000	Rampa	429.191	0.9453 %
4780.000	Rampa	429.380	0.9453 %
4800.000	Rampa	429.569	0.9453 %
4820.000	Rampa	429.758	0.9453 %
4840.000	Rampa	429.947	0.9453 %
4860.000	Rampa	430.136	0.9453 %
4880.000	Rampa	430.325	0.9453 %
4900.000	Rampa	430.514	0.9453 %
4920.000	Rampa	430.703	0.9453 %
4940.000	Rampa	430.892	0.9453 %
4960.000	Rampa	431.081	0.9453 %
4980.000	Rampa	431.270	0.9453 %
5000.000	Rampa	431.459	0.9453 %
5020.000	Rampa	431.648	0.9453 %
5040.000	Rampa	431.837	0.9453 %
5060.000	Rampa	432.026	0.9453 %
5080.000	Rampa	432.215	0.9453 %
5100.000	Rampa	432.405	0.9453 %
5120.000	Rampa	432.594	0.9453 %
5140.000	Rampa	432.783	0.9453 %
5160.000	Rampa	432.972	0.9453 %
5180.000	Rampa	433.161	0.9453 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
5200.000	Rampa	433.350	0.9453 %
5220.000	Rampa	433.539	0.9453 %
5240.000	Rampa	433.728	0.9453 %
5260.000	Rampa	433.917	0.9453 %
5280.000	Rampa	434.106	0.9453 %
5300.000	Rampa	434.295	0.9453 %
5320.000	Rampa	434.484	0.9453 %
5340.000	Rampa	434.673	0.9453 %
5360.000	Rampa	434.862	0.9453 %
5380.000	Rampa	435.051	0.9453 %
5400.000	Rampa	435.240	0.9453 %
5420.000	Rampa	435.429	0.9453 %
5440.000	Rampa	435.618	0.9453 %
5460.000	Rampa	435.807	0.9453 %
5480.000	Rampa	435.997	0.9453 %
5500.000	Rampa	436.186	0.9453 %
5520.000	Rampa	436.375	0.9453 %
5540.000	Rampa	436.564	0.9453 %
5560.000	Rampa	436.753	0.9453 %
5580.000	Rampa	436.942	0.9453 %
5600.000	Rampa	437.131	0.9453 %
5620.000	Rampa	437.320	0.9453 %
5640.000	Rampa	437.509	0.9453 %
5660.000	Rampa	437.698	0.9453 %
5680.000	Rampa	437.887	0.9453 %
5700.000	Rampa	438.076	0.9453 %
5720.000	Rampa	438.265	0.9453 %
5740.000	Rampa	438.454	0.9453 %
5760.000	Rampa	438.643	0.9453 %
5780.000	Rampa	438.832	0.9453 %
5800.000	Rampa	439.021	0.9453 %
5820.000	Rampa	439.210	0.9453 %
5840.000	Rampa	439.399	0.9453 %
5860.000	Rampa	439.589	0.9453 %
5880.000	Rampa	439.778	0.9453 %
5900.000	Rampa	439.967	0.9453 %
5920.000	Rampa	440.156	0.9453 %
5940.000	Rampa	440.345	0.9453 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
5960.000	Rampa	440.534	0.9453 %
5980.000	Rampa	440.723	0.9453 %
6000.000	Rampa	440.912	0.9453 %
6020.000	Rampa	441.101	0.9453 %
6040.000	Rampa	441.290	0.9453 %
6056.728	tg. entrada	441.448	0.9453 %
6060.000	KV 15000	441.479	0.9671 %
6080.000	KV 15000	441.686	1.1004 %
6100.000	KV 15000	441.920	1.2337 %
6120.000	KV 15000	442.180	1.3671 %
6140.000	KV 15000	442.466	1.5004 %
6160.000	KV 15000	442.780	1.6337 %
6180.000	KV 15000	443.120	1.7671 %
6200.000	KV 15000	443.487	1.9004 %
6220.000	KV 15000	443.880	2.0337 %
6240.000	KV 15000	444.300	2.1671 %
6260.000	KV 15000	444.747	2.3004 %
6280.000	KV 15000	445.220	2.4337 %
6300.000	KV 15000	445.720	2.5671 %
6320.000	KV 15000	446.247	2.7004 %
6340.000	KV 15000	446.801	2.8337 %
6360.000	KV 15000	447.381	2.9671 %
6380.000	KV 15000	447.987	3.1004 %
6400.000	KV 15000	448.621	3.2337 %
6420.000	KV 15000	449.281	3.3671 %
6440.000	KV 15000	449.968	3.5004 %
6460.000	KV 15000	450.681	3.6337 %
6480.000	KV 15000	451.421	3.7671 %
6494.483	tg. salida	451.974	3.8636 %
6500.000	Rampa	452.187	3.8636 %
6520.000	Rampa	452.960	3.8636 %
6540.000	Rampa	453.732	3.8636 %
6560.000	Rampa	454.505	3.8636 %
6580.000	Rampa	455.278	3.8636 %
6600.000	Rampa	456.051	3.8636 %
6620.000	Rampa	456.823	3.8636 %
6640.000	Rampa	457.596	3.8636 %
6660.000	Rampa	458.369	3.8636 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
6680.000	Rampa	459.141	3.8636 %
6700.000	Rampa	459.914	3.8636 %
6720.000	Rampa	460.687	3.8636 %
6740.000	Rampa	461.460	3.8636 %
6760.000	Rampa	462.232	3.8636 %
6780.000	Rampa	463.005	3.8636 %
6800.000	Rampa	463.778	3.8636 %
6818.476	tg. entrada	464.492	3.8636 %
6820.000	KV -12000	464.550	3.8509 %
6840.000	KV -12000	465.304	3.6843 %
6860.000	KV -12000	466.024	3.5176 %
6880.000	KV -12000	466.711	3.3509 %
6900.000	KV -12000	467.364	3.1843 %
6920.000	KV -12000	467.985	3.0176 %
6940.000	KV -12000	468.572	2.8509 %
6960.000	KV -12000	469.125	2.6843 %
6980.000	KV -12000	469.645	2.5176 %
7000.000	KV -12000	470.132	2.3509 %
7020.000	KV -12000	470.586	2.1843 %
7040.000	KV -12000	471.006	2.0176 %
7060.000	KV -12000	471.393	1.8509 %
7080.000	KV -12000	471.746	1.6843 %
7100.000	KV -12000	472.066	1.5176 %
7120.000	KV -12000	472.353	1.3509 %
7140.000	KV -12000	472.607	1.1843 %
7160.000	KV -12000	472.827	1.0176 %
7180.000	KV -12000	473.014	0.8509 %
7200.000	KV -12000	473.167	0.6843 %
7220.000	KV -12000	473.287	0.5176 %
7240.000	KV -12000	473.374	0.3509 %
7260.000	KV -12000	473.428	0.1843 %
7280.000	KV -12000	473.448	0.0176 %
7282.112	Punto alto	473.448	0.0000 %
7300.000	KV -12000	473.435	-0.1491 %
7320.000	KV -12000	473.388	-0.3157 %
7340.000	KV -12000	473.309	-0.4824 %
7360.000	KV -12000	473.195	-0.6491 %
7380.000	KV -12000	473.049	-0.8157 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
7400.000	KV -12000	472.869	-0.9824 %
7420.000	KV -12000	472.656	-1.1491 %
7440.000	KV -12000	472.409	-1.3157 %
7460.000	KV -12000	472.130	-1.4824 %
7480.000	KV -12000	471.817	-1.6491 %
7500.000	KV -12000	471.470	-1.8157 %
7520.000	KV -12000	471.090	-1.9824 %
7540.000	KV -12000	470.677	-2.1491 %
7560.000	KV -12000	470.231	-2.3157 %
7579.518	tg. salida	469.763	-2.4784 %
7580.000	Pendiente	469.751	-2.4784 %
7600.000	Pendiente	469.255	-2.4784 %
7620.000	Pendiente	468.759	-2.4784 %
7640.000	Pendiente	468.264	-2.4784 %
7660.000	Pendiente	467.768	-2.4784 %
7680.000	Pendiente	467.272	-2.4784 %
7700.000	Pendiente	466.777	-2.4784 %
7720.000	Pendiente	466.281	-2.4784 %
7740.000	Pendiente	465.785	-2.4784 %
7760.000	Pendiente	465.290	-2.4784 %
7780.000	Pendiente	464.794	-2.4784 %
7800.000	Pendiente	464.298	-2.4784 %
7820.000	Pendiente	463.803	-2.4784 %
7840.000	Pendiente	463.307	-2.4784 %
7860.000	Pendiente	462.811	-2.4784 %
7880.000	Pendiente	462.316	-2.4784 %
7900.000	Pendiente	461.820	-2.4784 %
7920.000	Pendiente	461.324	-2.4784 %
7940.000	Pendiente	460.829	-2.4784 %
7960.000	Pendiente	460.333	-2.4784 %
7980.000	Pendiente	459.837	-2.4784 %
8000.000	Pendiente	459.342	-2.4784 %
8020.000	Pendiente	458.846	-2.4784 %
8040.000	Pendiente	458.350	-2.4784 %
8060.000	Pendiente	457.855	-2.4784 %
8080.000	Pendiente	457.359	-2.4784 %
8100.000	Pendiente	456.863	-2.4784 %
8120.000	Pendiente	456.368	-2.4784 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
8140.000	Pendiente	455.872	-2.4784 %
8160.000	Pendiente	455.376	-2.4784 %
8180.000	Pendiente	454.880	-2.4784 %
8200.000	Pendiente	454.385	-2.4784 %
8220.000	Pendiente	453.889	-2.4784 %
8240.000	Pendiente	453.393	-2.4784 %
8260.000	Pendiente	452.898	-2.4784 %
8280.000	Pendiente	452.402	-2.4784 %
8300.000	Pendiente	451.906	-2.4784 %
8320.000	Pendiente	451.411	-2.4784 %
8340.000	Pendiente	450.915	-2.4784 %
8360.000	Pendiente	450.419	-2.4784 %
8380.000	Pendiente	449.924	-2.4784 %
8400.000	Pendiente	449.428	-2.4784 %
8420.000	Pendiente	448.932	-2.4784 %
8440.000	Pendiente	448.437	-2.4784 %
8460.000	Pendiente	447.941	-2.4784 %
8480.000	Pendiente	447.445	-2.4784 %
8500.000	Pendiente	446.950	-2.4784 %
8520.000	Pendiente	446.454	-2.4784 %
8540.000	Pendiente	445.958	-2.4784 %
8560.000	Pendiente	445.463	-2.4784 %
8580.000	Pendiente	444.967	-2.4784 %
8600.000	Pendiente	444.471	-2.4784 %
8620.000	Pendiente	443.976	-2.4784 %
8640.000	Pendiente	443.480	-2.4784 %
8660.000	Pendiente	442.984	-2.4784 %
8680.000	Pendiente	442.489	-2.4784 %
8700.000	Pendiente	441.993	-2.4784 %
8720.000	Pendiente	441.497	-2.4784 %
8740.000	Pendiente	441.002	-2.4784 %
8760.000	Pendiente	440.506	-2.4784 %
8780.000	Pendiente	440.010	-2.4784 %
8800.000	Pendiente	439.514	-2.4784 %
8820.000	Pendiente	439.019	-2.4784 %
8840.000	Pendiente	438.523	-2.4784 %
8860.000	Pendiente	438.027	-2.4784 %
8880.000	Pendiente	437.532	-2.4784 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
8900.000	Pendiente	437.036	-2.4784 %
8920.000	Pendiente	436.540	-2.4784 %
8940.000	Pendiente	436.045	-2.4784 %
8960.000	Pendiente	435.549	-2.4784 %
8980.000	Pendiente	435.053	-2.4784 %
9000.000	Pendiente	434.558	-2.4784 %
9020.000	Pendiente	434.062	-2.4784 %
9040.000	Pendiente	433.566	-2.4784 %
9060.000	Pendiente	433.071	-2.4784 %
9080.000	Pendiente	432.575	-2.4784 %
9100.000	Pendiente	432.079	-2.4784 %
9120.000	Pendiente	431.584	-2.4784 %
9140.000	Pendiente	431.088	-2.4784 %
9160.000	Pendiente	430.592	-2.4784 %
9180.000	Pendiente	430.097	-2.4784 %
9200.000	Pendiente	429.601	-2.4784 %
9220.000	Pendiente	429.105	-2.4784 %
9240.000	Pendiente	428.610	-2.4784 %
9260.000	Pendiente	428.114	-2.4784 %
9280.000	Pendiente	427.618	-2.4784 %
9300.000	Pendiente	427.123	-2.4784 %
9320.000	Pendiente	426.627	-2.4784 %
9340.000	Pendiente	426.131	-2.4784 %
9360.000	Pendiente	425.636	-2.4784 %
9380.000	Pendiente	425.140	-2.4784 %
9400.000	Pendiente	424.644	-2.4784 %
9420.000	Pendiente	424.148	-2.4784 %
9440.000	Pendiente	423.653	-2.4784 %
9460.000	Pendiente	423.157	-2.4784 %
9480.000	Pendiente	422.661	-2.4784 %
9500.000	Pendiente	422.166	-2.4784 %
9520.000	Pendiente	421.670	-2.4784 %
9540.000	Pendiente	421.174	-2.4784 %
9560.000	Pendiente	420.679	-2.4784 %
9580.000	Pendiente	420.183	-2.4784 %
9600.000	Pendiente	419.687	-2.4784 %
9620.000	Pendiente	419.192	-2.4784 %
9640.000	Pendiente	418.696	-2.4784 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
9660.000	Pendiente	418.200	-2.4784 %
9680.000	Pendiente	417.705	-2.4784 %
9700.000	Pendiente	417.209	-2.4784 %
9707.721	tg. entrada	417.018	-2.4784 %
9720.000	KV 8500	416.722	-2.3339 %
9740.000	KV 8500	416.279	-2.0986 %
9760.000	KV 8500	415.883	-1.8633 %
9780.000	KV 8500	415.534	-1.6280 %
9800.000	KV 8500	415.232	-1.3927 %
9820.000	KV 8500	414.976	-1.1575 %
9840.000	KV 8500	414.769	-0.9222 %
9860.000	KV 8500	414.608	-0.6869 %
9880.000	KV 8500	414.494	-0.4516 %
9900.000	KV 8500	414.427	-0.2163 %
9918.384	Punto bajo	414.407	0.0000 %
9920.000	KV 8500	414.407	0.0190 %
9940.000	KV 8500	414.435	0.2543 %
9960.000	KV 8500	414.509	0.4896 %
9980.000	KV 8500	414.630	0.7249 %
10000.000	KV 8500	414.799	0.9602 %
10020.000	KV 8500	415.015	1.1955 %
10040.000	KV 8500	415.277	1.4308 %
10060.000	KV 8500	415.587	1.6661 %
10074.230	tg. salida	415.836	1.8335 %
10080.000	Rampa	415.942	1.8335 %
10100.000	Rampa	416.308	1.8335 %
10120.000	Rampa	416.675	1.8335 %
10140.000	Rampa	417.042	1.8335 %
10160.000	Rampa	417.408	1.8335 %
10180.000	Rampa	417.775	1.8335 %
10200.000	Rampa	418.142	1.8335 %
10220.000	Rampa	418.508	1.8335 %
10240.000	Rampa	418.875	1.8335 %
10260.000	Rampa	419.242	1.8335 %
10280.000	Rampa	419.609	1.8335 %
10300.000	Rampa	419.975	1.8335 %
10320.000	Rampa	420.342	1.8335 %
10340.000	Rampa	420.709	1.8335 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
10348.952	tg. entrada	420.873	1.8335 %
10360.000	KV -15600	421.071	1.7627 %
10380.000	KV -15600	421.411	1.6345 %
10400.000	KV -15600	421.725	1.5063 %
10420.000	KV -15600	422.014	1.3780 %
10440.000	KV -15600	422.276	1.2498 %
10460.000	KV -15600	422.514	1.1216 %
10480.000	KV -15600	422.725	0.9934 %
10500.000	KV -15600	422.911	0.8652 %
10520.000	KV -15600	423.071	0.7370 %
10540.000	KV -15600	423.206	0.6088 %
10560.000	KV -15600	423.315	0.4806 %
10580.000	KV -15600	423.398	0.3524 %
10600.000	KV -15600	423.456	0.2242 %
10620.000	KV -15600	423.488	0.0960 %
10634.976	Punto alto	423.495	0.0000 %
10640.000	KV -15600	423.494	-0.0322 %
10660.000	KV -15600	423.475	-0.1604 %
10680.000	KV -15600	423.430	-0.2886 %
10700.000	KV -15600	423.359	-0.4168 %
10720.000	KV -15600	423.263	-0.5450 %
10740.000	KV -15600	423.141	-0.6732 %
10760.000	KV -15600	422.994	-0.8014 %
10780.000	KV -15600	422.821	-0.9296 %
10800.000	KV -15600	422.622	-1.0578 %
10820.000	KV -15600	422.398	-1.1861 %
10840.000	KV -15600	422.148	-1.3143 %
10847.602	tg. salida	422.046	-1.3630 %
10860.000	Pendiente	421.877	-1.3630 %
10880.000	Pendiente	421.604	-1.3630 %
10900.000	Pendiente	421.332	-1.3630 %
10920.000	Pendiente	421.059	-1.3630 %
10940.000	Pendiente	420.787	-1.3630 %
10960.000	Pendiente	420.514	-1.3630 %
10980.000	Pendiente	420.241	-1.3630 %
11000.000	Pendiente	419.969	-1.3630 %
11020.000	Pendiente	419.696	-1.3630 %
11040.000	Pendiente	419.424	-1.3630 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
11060.000	Pendiente	419.151	-1.3630 %
11080.000	Pendiente	418.878	-1.3630 %
11100.000	Pendiente	418.606	-1.3630 %
11120.000	Pendiente	418.333	-1.3630 %
11140.000	Pendiente	418.061	-1.3630 %
11160.000	Pendiente	417.788	-1.3630 %
11180.000	Pendiente	417.515	-1.3630 %
11200.000	Pendiente	417.243	-1.3630 %
11220.000	Pendiente	416.970	-1.3630 %
11240.000	Pendiente	416.698	-1.3630 %
11260.000	Pendiente	416.425	-1.3630 %
11280.000	Pendiente	416.152	-1.3630 %
11300.000	Pendiente	415.880	-1.3630 %
11320.000	Pendiente	415.607	-1.3630 %
11340.000	Pendiente	415.335	-1.3630 %
11360.000	Pendiente	415.062	-1.3630 %
11380.000	Pendiente	414.789	-1.3630 %
11400.000	Pendiente	414.517	-1.3630 %
11420.000	Pendiente	414.244	-1.3630 %
11440.000	Pendiente	413.972	-1.3630 %
11460.000	Pendiente	413.699	-1.3630 %
11480.000	Pendiente	413.426	-1.3630 %
11500.000	Pendiente	413.154	-1.3630 %
11520.000	Pendiente	412.881	-1.3630 %
11540.000	Pendiente	412.609	-1.3630 %
11560.000	Pendiente	412.336	-1.3630 %
11580.000	Pendiente	412.063	-1.3630 %
11600.000	Pendiente	411.791	-1.3630 %
11620.000	Pendiente	411.518	-1.3630 %
11640.000	Pendiente	411.246	-1.3630 %
11660.000	Pendiente	410.973	-1.3630 %
11680.000	Pendiente	410.700	-1.3630 %
11700.000	Pendiente	410.428	-1.3630 %
11720.000	Pendiente	410.155	-1.3630 %
11740.000	Pendiente	409.883	-1.3630 %
11760.000	Pendiente	409.610	-1.3630 %
11780.000	Pendiente	409.337	-1.3630 %
11800.000	Pendiente	409.065	-1.3630 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
11820.000	Pendiente	408.792	-1.3630 %
11840.000	Pendiente	408.520	-1.3630 %
11860.000	Pendiente	408.247	-1.3630 %
11880.000	Pendiente	407.974	-1.3630 %
11900.000	Pendiente	407.702	-1.3630 %
11920.000	Pendiente	407.429	-1.3630 %
11940.000	Pendiente	407.157	-1.3630 %
11960.000	Pendiente	406.884	-1.3630 %
11980.000	Pendiente	406.611	-1.3630 %
12000.000	Pendiente	406.339	-1.3630 %
12020.000	Pendiente	406.066	-1.3630 %
12040.000	Pendiente	405.794	-1.3630 %
12060.000	Pendiente	405.521	-1.3630 %
12080.000	Pendiente	405.248	-1.3630 %
12100.000	Pendiente	404.976	-1.3630 %
12120.000	Pendiente	404.703	-1.3630 %
12122.909	tg. entrada	404.664	-1.3630 %
12140.000	KV 8500	404.448	-1.1619 %
12160.000	KV 8500	404.239	-0.9266 %
12180.000	KV 8500	404.077	-0.6913 %
12200.000	KV 8500	403.962	-0.4560 %
12220.000	KV 8500	403.895	-0.2207 %
12238.763	Punto bajo	403.874	0.0000 %
12240.000	KV 8500	403.874	0.0145 %
12260.000	KV 8500	403.901	0.2498 %
12280.000	KV 8500	403.974	0.4851 %
12300.000	KV 8500	404.095	0.7204 %
12320.000	KV 8500	404.262	0.9557 %
12328.830	tg. salida	404.351	1.0596 %
12340.000	Rampa	404.470	1.0596 %
12360.000	Rampa	404.681	1.0596 %
12380.000	Rampa	404.893	1.0596 %
12400.000	Rampa	405.105	1.0596 %
12420.000	Rampa	405.317	1.0596 %
12440.000	Rampa	405.529	1.0596 %
12460.000	Rampa	405.741	1.0596 %
12480.000	Rampa	405.953	1.0596 %
12500.000	Rampa	406.165	1.0596 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
12520.000	Rampa	406.377	1.0596 %
12540.000	Rampa	406.589	1.0596 %
12560.000	Rampa	406.801	1.0596 %
12580.000	Rampa	407.013	1.0596 %
12600.000	Rampa	407.225	1.0596 %
12620.000	Rampa	407.436	1.0596 %
12640.000	Rampa	407.648	1.0596 %
12643.065	tg. entrada	407.681	1.0596 %
12660.000	KV -15600	407.851	0.9511 %
12680.000	KV -15600	408.029	0.8228 %
12700.000	KV -15600	408.180	0.6946 %
12720.000	KV -15600	408.306	0.5664 %
12740.000	KV -15600	408.407	0.4382 %
12760.000	KV -15600	408.482	0.3100 %
12780.000	KV -15600	408.531	0.1818 %
12800.000	KV -15600	408.554	0.0536 %
12808.364	Punto alto	408.557	0.0000 %
12820.000	KV -15600	408.552	-0.0746 %
12840.000	KV -15600	408.525	-0.2028 %
12860.000	KV -15600	408.471	-0.3310 %
12880.000	KV -15600	408.392	-0.4592 %
12900.000	KV -15600	408.288	-0.5874 %
12919.594	tg. salida	408.160	-0.7130 %
12920.000	Pendiente	408.157	-0.7130 %
12940.000	Pendiente	408.015	-0.7130 %
12960.000	Pendiente	407.872	-0.7130 %
12980.000	Pendiente	407.729	-0.7130 %
13000.000	Pendiente	407.587	-0.7130 %
13020.000	Pendiente	407.444	-0.7130 %
13040.000	Pendiente	407.302	-0.7130 %
13060.000	Pendiente	407.159	-0.7130 %
13080.000	Pendiente	407.016	-0.7130 %
13100.000	Pendiente	406.874	-0.7130 %
13120.000	Pendiente	406.731	-0.7130 %
13140.000	Pendiente	406.589	-0.7130 %
13160.000	Pendiente	406.446	-0.7130 %
13180.000	Pendiente	406.303	-0.7130 %
13200.000	Pendiente	406.161	-0.7130 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
13220.000	Pendiente	406.018	-0.7130 %
13240.000	Pendiente	405.876	-0.7130 %
13260.000	Pendiente	405.733	-0.7130 %
13280.000	Pendiente	405.590	-0.7130 %
13300.000	Pendiente	405.448	-0.7130 %
13320.000	Pendiente	405.305	-0.7130 %
13340.000	Pendiente	405.163	-0.7130 %
13360.000	Pendiente	405.020	-0.7130 %
13380.000	Pendiente	404.877	-0.7130 %
13400.000	Pendiente	404.735	-0.7130 %
13420.000	Pendiente	404.592	-0.7130 %
13440.000	Pendiente	404.450	-0.7130 %
13460.000	Pendiente	404.307	-0.7130 %
13480.000	Pendiente	404.164	-0.7130 %
13500.000	Pendiente	404.022	-0.7130 %
13520.000	Pendiente	403.879	-0.7130 %
13540.000	Pendiente	403.737	-0.7130 %
13560.000	Pendiente	403.594	-0.7130 %
13580.000	Pendiente	403.451	-0.7130 %
13600.000	Pendiente	403.309	-0.7130 %
13620.000	Pendiente	403.166	-0.7130 %
13640.000	Pendiente	403.024	-0.7130 %
13660.000	Pendiente	402.881	-0.7130 %
13680.000	Pendiente	402.738	-0.7130 %
13700.000	Pendiente	402.596	-0.7130 %
13720.000	Pendiente	402.453	-0.7130 %
13740.000	Pendiente	402.311	-0.7130 %
13760.000	Pendiente	402.168	-0.7130 %
13780.000	Pendiente	402.025	-0.7130 %
13800.000	Pendiente	401.883	-0.7130 %
13820.000	Pendiente	401.740	-0.7130 %
13840.000	Pendiente	401.597	-0.7130 %
13860.000	Pendiente	401.455	-0.7130 %
13880.000	Pendiente	401.312	-0.7130 %
13900.000	Pendiente	401.170	-0.7130 %
13920.000	Pendiente	401.027	-0.7130 %
13940.000	Pendiente	400.884	-0.7130 %
13960.000	Pendiente	400.742	-0.7130 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
13980.000	Pendiente	400.599	-0.7130 %
14000.000	Pendiente	400.457	-0.7130 %
14020.000	Pendiente	400.314	-0.7130 %
14040.000	Pendiente	400.171	-0.7130 %
14042.052	Pendiente	400.157	-0.7130 %

*** ESTADO DE RASANTES ***

PENDIENTE (%)	LONGITUD (m.)	PARAMETRO (kv)	VÉRTICE		ENTRADA AL ACUERDO		SALIDA DEL ACUERDO		BISECT. (m.)	DIF.PEN (%)
			PK	Z	PK	Z	PK	Z		
					0.000	395.735				
-0.500515	500.252	20000.000	1861.176	386.420	1611.050	387.672	2111.302	391.424	1.564	2.501
2.000744	338.346	31000.000	3219.021	413.587	3049.848	410.202	3388.194	415.125	0.462	-1.091
0.909306	221.368	31000.000	4160.961	422.152	4050.277	421.146	4271.645	423.949	0.198	0.714
1.623398	703.678	20000.000	5855.915	449.668	5504.076	443.956	6207.754	443.001	3.095	-3.518
-1.894993	342.271	11000.000	7254.064	423.173	7082.929	426.416	7425.200	425.255	1.331	3.112
1.216565	931.805	31000.000	8354.576	436.562	7888.674	430.894	8820.478	428.225	3.501	-3.006
-1.789256	725.832	31000.000	10420.525	399.596	10057.609	406.090	10783.441	401.600	2.124	2.341
0.552138	506.060	35000.000	11925.999	407.909	11672.969	406.512	12179.029	405.647	0.915	-1.446
-0.893747	243.951	15000.000	12636.004	401.563	12514.029	402.653	12757.980	402.457	0.496	1.626
0.732591	666.435	23000.000	13297.523	406.409	12964.306	403.968	13630.741	399.195	2.414	-2.898
-2.164952							13875.186	393.903		

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
0.000	Pendiente	395.735	-0.5005 %
20.000	Pendiente	395.635	-0.5005 %
40.000	Pendiente	395.535	-0.5005 %
60.000	Pendiente	395.435	-0.5005 %
80.000	Pendiente	395.335	-0.5005 %
100.000	Pendiente	395.235	-0.5005 %
120.000	Pendiente	395.135	-0.5005 %
140.000	Pendiente	395.035	-0.5005 %
160.000	Pendiente	394.935	-0.5005 %
180.000	Pendiente	394.835	-0.5005 %
200.000	Pendiente	394.734	-0.5005 %
220.000	Pendiente	394.634	-0.5005 %
240.000	Pendiente	394.534	-0.5005 %
260.000	Pendiente	394.434	-0.5005 %
280.000	Pendiente	394.334	-0.5005 %
300.000	Pendiente	394.234	-0.5005 %
320.000	Pendiente	394.134	-0.5005 %
340.000	Pendiente	394.034	-0.5005 %
360.000	Pendiente	393.934	-0.5005 %
380.000	Pendiente	393.834	-0.5005 %
400.000	Pendiente	393.733	-0.5005 %
420.000	Pendiente	393.633	-0.5005 %
440.000	Pendiente	393.533	-0.5005 %
460.000	Pendiente	393.433	-0.5005 %
480.000	Pendiente	393.333	-0.5005 %
500.000	Pendiente	393.233	-0.5005 %
520.000	Pendiente	393.133	-0.5005 %
540.000	Pendiente	393.033	-0.5005 %
560.000	Pendiente	392.933	-0.5005 %
580.000	Pendiente	392.832	-0.5005 %
600.000	Pendiente	392.732	-0.5005 %
620.000	Pendiente	392.632	-0.5005 %
640.000	Pendiente	392.532	-0.5005 %
660.000	Pendiente	392.432	-0.5005 %
680.000	Pendiente	392.332	-0.5005 %
700.000	Pendiente	392.232	-0.5005 %
720.000	Pendiente	392.132	-0.5005 %
740.000	Pendiente	392.032	-0.5005 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
760.000	Pendiente	391.932	-0.5005 %
780.000	Pendiente	391.831	-0.5005 %
800.000	Pendiente	391.731	-0.5005 %
820.000	Pendiente	391.631	-0.5005 %
840.000	Pendiente	391.531	-0.5005 %
860.000	Pendiente	391.431	-0.5005 %
880.000	Pendiente	391.331	-0.5005 %
900.000	Pendiente	391.231	-0.5005 %
920.000	Pendiente	391.131	-0.5005 %
940.000	Pendiente	391.031	-0.5005 %
960.000	Pendiente	390.931	-0.5005 %
980.000	Pendiente	390.830	-0.5005 %
1000.000	Pendiente	390.730	-0.5005 %
1020.000	Pendiente	390.630	-0.5005 %
1040.000	Pendiente	390.530	-0.5005 %
1060.000	Pendiente	390.430	-0.5005 %
1080.000	Pendiente	390.330	-0.5005 %
1100.000	Pendiente	390.230	-0.5005 %
1120.000	Pendiente	390.130	-0.5005 %
1140.000	Pendiente	390.030	-0.5005 %
1160.000	Pendiente	389.929	-0.5005 %
1180.000	Pendiente	389.829	-0.5005 %
1200.000	Pendiente	389.729	-0.5005 %
1220.000	Pendiente	389.629	-0.5005 %
1240.000	Pendiente	389.529	-0.5005 %
1260.000	Pendiente	389.429	-0.5005 %
1280.000	Pendiente	389.329	-0.5005 %
1300.000	Pendiente	389.229	-0.5005 %
1320.000	Pendiente	389.129	-0.5005 %
1340.000	Pendiente	389.029	-0.5005 %
1360.000	Pendiente	388.928	-0.5005 %
1380.000	Pendiente	388.828	-0.5005 %
1400.000	Pendiente	388.728	-0.5005 %
1420.000	Pendiente	388.628	-0.5005 %
1440.000	Pendiente	388.528	-0.5005 %
1460.000	Pendiente	388.428	-0.5005 %
1480.000	Pendiente	388.328	-0.5005 %
1500.000	Pendiente	388.228	-0.5005 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
1520.000	Pendiente	388.128	-0.5005 %
1540.000	Pendiente	388.028	-0.5005 %
1560.000	Pendiente	387.927	-0.5005 %
1580.000	Pendiente	387.827	-0.5005 %
1600.000	Pendiente	387.727	-0.5005 %
1611.050	tg. entrada	387.672	-0.5005 %
1620.000	KV 20000	387.629	-0.4558 %
1640.000	KV 20000	387.548	-0.3558 %
1660.000	KV 20000	387.487	-0.2558 %
1680.000	KV 20000	387.446	-0.1558 %
1700.000	KV 20000	387.425	-0.0558 %
1711.153	Punto bajo	387.421	0.0000 %
1720.000	KV 20000	387.423	0.0442 %
1740.000	KV 20000	387.442	0.1442 %
1760.000	KV 20000	387.481	0.2442 %
1780.000	KV 20000	387.540	0.3442 %
1800.000	KV 20000	387.619	0.4442 %
1820.000	KV 20000	387.718	0.5442 %
1840.000	KV 20000	387.836	0.6442 %
1860.000	KV 20000	387.975	0.7442 %
1880.000	KV 20000	388.134	0.8442 %
1900.000	KV 20000	388.313	0.9442 %
1920.000	KV 20000	388.512	1.0442 %
1940.000	KV 20000	388.731	1.1442 %
1960.000	KV 20000	388.970	1.2442 %
1980.000	KV 20000	389.228	1.3442 %
2000.000	KV 20000	389.507	1.4442 %
2020.000	KV 20000	389.806	1.5442 %
2040.000	KV 20000	390.125	1.6442 %
2060.000	KV 20000	390.464	1.7442 %
2080.000	KV 20000	390.823	1.8442 %
2100.000	KV 20000	391.201	1.9442 %
2111.302	tg. salida	391.424	2.0007 %
2120.000	Rampa	391.598	2.0007 %
2140.000	Rampa	391.999	2.0007 %
2160.000	Rampa	392.399	2.0007 %
2180.000	Rampa	392.799	2.0007 %
2200.000	Rampa	393.199	2.0007 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
2220.000	Rampa	393.599	2.0007 %
2240.000	Rampa	393.999	2.0007 %
2260.000	Rampa	394.399	2.0007 %
2280.000	Rampa	394.800	2.0007 %
2300.000	Rampa	395.200	2.0007 %
2320.000	Rampa	395.600	2.0007 %
2340.000	Rampa	396.000	2.0007 %
2360.000	Rampa	396.400	2.0007 %
2380.000	Rampa	396.800	2.0007 %
2400.000	Rampa	397.200	2.0007 %
2420.000	Rampa	397.601	2.0007 %
2440.000	Rampa	398.001	2.0007 %
2460.000	Rampa	398.401	2.0007 %
2480.000	Rampa	398.801	2.0007 %
2500.000	Rampa	399.201	2.0007 %
2520.000	Rampa	399.601	2.0007 %
2540.000	Rampa	400.002	2.0007 %
2560.000	Rampa	400.402	2.0007 %
2580.000	Rampa	400.802	2.0007 %
2600.000	Rampa	401.202	2.0007 %
2620.000	Rampa	401.602	2.0007 %
2640.000	Rampa	402.002	2.0007 %
2660.000	Rampa	402.402	2.0007 %
2680.000	Rampa	402.803	2.0007 %
2700.000	Rampa	403.203	2.0007 %
2720.000	Rampa	403.603	2.0007 %
2740.000	Rampa	404.003	2.0007 %
2760.000	Rampa	404.403	2.0007 %
2780.000	Rampa	404.803	2.0007 %
2800.000	Rampa	405.203	2.0007 %
2820.000	Rampa	405.604	2.0007 %
2840.000	Rampa	406.004	2.0007 %
2860.000	Rampa	406.404	2.0007 %
2880.000	Rampa	406.804	2.0007 %
2900.000	Rampa	407.204	2.0007 %
2920.000	Rampa	407.604	2.0007 %
2940.000	Rampa	408.005	2.0007 %
2960.000	Rampa	408.405	2.0007 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
2980.000	Rampa	408.805	2.0007 %
3000.000	Rampa	409.205	2.0007 %
3020.000	Rampa	409.605	2.0007 %
3040.000	Rampa	410.005	2.0007 %
3049.848	tg. entrada	410.202	2.0007 %
3060.000	KV -31000	410.404	1.9680 %
3080.000	KV -31000	410.791	1.9035 %
3100.000	KV -31000	411.165	1.8390 %
3120.000	KV -31000	411.526	1.7744 %
3140.000	KV -31000	411.875	1.7099 %
3160.000	KV -31000	412.210	1.6454 %
3180.000	KV -31000	412.533	1.5809 %
3200.000	KV -31000	412.843	1.5164 %
3220.000	KV -31000	413.140	1.4519 %
3240.000	KV -31000	413.424	1.3874 %
3260.000	KV -31000	413.695	1.3228 %
3280.000	KV -31000	413.953	1.2583 %
3300.000	KV -31000	414.198	1.1938 %
3320.000	KV -31000	414.430	1.1293 %
3340.000	KV -31000	414.650	1.0648 %
3360.000	KV -31000	414.856	1.0003 %
3380.000	KV -31000	415.050	0.9357 %
3388.194	tg. salida	415.125	0.9093 %
3400.000	Rampa	415.233	0.9093 %
3420.000	Rampa	415.415	0.9093 %
3440.000	Rampa	415.596	0.9093 %
3460.000	Rampa	415.778	0.9093 %
3480.000	Rampa	415.960	0.9093 %
3500.000	Rampa	416.142	0.9093 %
3520.000	Rampa	416.324	0.9093 %
3540.000	Rampa	416.506	0.9093 %
3560.000	Rampa	416.688	0.9093 %
3580.000	Rampa	416.869	0.9093 %
3600.000	Rampa	417.051	0.9093 %
3620.000	Rampa	417.233	0.9093 %
3640.000	Rampa	417.415	0.9093 %
3660.000	Rampa	417.597	0.9093 %

3680.000 Rampa 417.779 0.9093 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
3700.000	Rampa	417.961	0.9093 %
3720.000	Rampa	418.142	0.9093 %
3740.000	Rampa	418.324	0.9093 %
3760.000	Rampa	418.506	0.9093 %
3780.000	Rampa	418.688	0.9093 %
3800.000	Rampa	418.870	0.9093 %
3820.000	Rampa	419.052	0.9093 %
3840.000	Rampa	419.234	0.9093 %
3860.000	Rampa	419.415	0.9093 %
3880.000	Rampa	419.597	0.9093 %
3900.000	Rampa	419.779	0.9093 %
3920.000	Rampa	419.961	0.9093 %
3940.000	Rampa	420.143	0.9093 %
3960.000	Rampa	420.325	0.9093 %
3980.000	Rampa	420.507	0.9093 %
4000.000	Rampa	420.688	0.9093 %
4020.000	Rampa	420.870	0.9093 %
4040.000	Rampa	421.052	0.9093 %
4050.277	tg. entrada	421.146	0.9093 %
4060.000	KV 31000	421.236	0.9407 %
4080.000	KV 31000	421.430	1.0052 %
4100.000	KV 31000	421.638	1.0697 %
4120.000	KV 31000	421.858	1.1342 %
4140.000	KV 31000	422.091	1.1987 %
4160.000	KV 31000	422.338	1.2633 %
4180.000	KV 31000	422.597	1.3278 %
4200.000	KV 31000	422.869	1.3923 %
4220.000	KV 31000	423.154	1.4568 %
4240.000	KV 31000	423.451	1.5213 %
4260.000	KV 31000	423.762	1.5858 %
4271.645	tg. salida	423.949	1.6234 %
4280.000	Rampa	424.085	1.6234 %
4300.000	Rampa	424.409	1.6234 %
4320.000	Rampa	424.734	1.6234 %
4340.000	Rampa	425.059	1.6234 %
4360.000	Rampa	425.383	1.6234 %
4380.000	Rampa	425.708	1.6234 %
4400.000	Rampa	426.033	1.6234 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
4420.000	Rampa	426.357	1.6234 %
4440.000	Rampa	426.682	1.6234 %
4460.000	Rampa	427.007	1.6234 %
4480.000	Rampa	427.331	1.6234 %
4500.000	Rampa	427.656	1.6234 %
4520.000	Rampa	427.981	1.6234 %
4540.000	Rampa	428.305	1.6234 %
4560.000	Rampa	428.630	1.6234 %
4580.000	Rampa	428.955	1.6234 %
4600.000	Rampa	429.279	1.6234 %
4620.000	Rampa	429.604	1.6234 %
4640.000	Rampa	429.929	1.6234 %
4660.000	Rampa	430.254	1.6234 %
4680.000	Rampa	430.578	1.6234 %
4700.000	Rampa	430.903	1.6234 %
4720.000	Rampa	431.228	1.6234 %
4740.000	Rampa	431.552	1.6234 %
4760.000	Rampa	431.877	1.6234 %
4780.000	Rampa	432.202	1.6234 %
4800.000	Rampa	432.526	1.6234 %
4820.000	Rampa	432.851	1.6234 %
4840.000	Rampa	433.176	1.6234 %
4860.000	Rampa	433.500	1.6234 %
4880.000	Rampa	433.825	1.6234 %
4900.000	Rampa	434.150	1.6234 %
4920.000	Rampa	434.474	1.6234 %
4940.000	Rampa	434.799	1.6234 %
4960.000	Rampa	435.124	1.6234 %
4980.000	Rampa	435.448	1.6234 %
5000.000	Rampa	435.773	1.6234 %
5020.000	Rampa	436.098	1.6234 %
5040.000	Rampa	436.422	1.6234 %
5060.000	Rampa	436.747	1.6234 %
5080.000	Rampa	437.072	1.6234 %
5100.000	Rampa	437.396	1.6234 %
5120.000	Rampa	437.721	1.6234 %
5140.000	Rampa	438.046	1.6234 %
5160.000	Rampa	438.371	1.6234 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
5180.000	Rampa	438.695	1.6234 %
5200.000	Rampa	439.020	1.6234 %
5220.000	Rampa	439.345	1.6234 %
5240.000	Rampa	439.669	1.6234 %
5260.000	Rampa	439.994	1.6234 %
5280.000	Rampa	440.319	1.6234 %
5300.000	Rampa	440.643	1.6234 %
5320.000	Rampa	440.968	1.6234 %
5340.000	Rampa	441.293	1.6234 %
5360.000	Rampa	441.617	1.6234 %
5380.000	Rampa	441.942	1.6234 %
5400.000	Rampa	442.267	1.6234 %
5420.000	Rampa	442.591	1.6234 %
5440.000	Rampa	442.916	1.6234 %
5460.000	Rampa	443.241	1.6234 %
5480.000	Rampa	443.565	1.6234 %
5500.000	Rampa	443.890	1.6234 %
5504.076	tg. entrada	443.956	1.6234 %
5520.000	KV -20000	444.208	1.5438 %
5540.000	KV -20000	444.507	1.4438 %
5560.000	KV -20000	444.786	1.3438 %
5580.000	KV -20000	445.045	1.2438 %
5600.000	KV -20000	445.283	1.1438 %
5620.000	KV -20000	445.502	1.0438 %
5640.000	KV -20000	445.701	0.9438 %
5660.000	KV -20000	445.880	0.8438 %
5680.000	KV -20000	446.038	0.7438 %
5700.000	KV -20000	446.177	0.6438 %
5720.000	KV -20000	446.296	0.5438 %
5740.000	KV -20000	446.395	0.4438 %
5760.000	KV -20000	446.473	0.3438 %
5780.000	KV -20000	446.532	0.2438 %
5800.000	KV -20000	446.571	0.1438 %
5820.000	KV -20000	446.590	0.0438 %
5828.755	Punto alto	446.592	0.0000 %
5840.000	KV -20000	446.588	-0.0562 %
5860.000	KV -20000	446.567	-0.1562 %
5880.000	KV -20000	446.526	-0.2562 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
5900.000	KV -20000	446.465	-0.3562 %
5920.000	KV -20000	446.383	-0.4562 %
5940.000	KV -20000	446.282	-0.5562 %
5960.000	KV -20000	446.161	-0.6562 %
5980.000	KV -20000	446.020	-0.7562 %
6000.000	KV -20000	445.859	-0.8562 %
6020.000	KV -20000	445.677	-0.9562 %
6040.000	KV -20000	445.476	-1.0562 %
6060.000	KV -20000	445.255	-1.1562 %
6080.000	KV -20000	445.014	-1.2562 %
6100.000	KV -20000	444.752	-1.3562 %
6120.000	KV -20000	444.471	-1.4562 %
6140.000	KV -20000	444.170	-1.5562 %
6160.000	KV -20000	443.849	-1.6562 %
6180.000	KV -20000	443.507	-1.7562 %
6200.000	KV -20000	443.146	-1.8562 %
6207.754	tg. salida	443.001	-1.8950 %
6220.000	Pendiente	442.769	-1.8950 %
6240.000	Pendiente	442.390	-1.8950 %
6260.000	Pendiente	442.011	-1.8950 %
6280.000	Pendiente	441.632	-1.8950 %
6300.000	Pendiente	441.253	-1.8950 %
6320.000	Pendiente	440.874	-1.8950 %
6340.000	Pendiente	440.495	-1.8950 %
6360.000	Pendiente	440.116	-1.8950 %
6380.000	Pendiente	439.737	-1.8950 %
6400.000	Pendiente	439.358	-1.8950 %
6420.000	Pendiente	438.979	-1.8950 %
6440.000	Pendiente	438.600	-1.8950 %
6460.000	Pendiente	438.221	-1.8950 %
6480.000	Pendiente	437.842	-1.8950 %
6500.000	Pendiente	437.463	-1.8950 %
6520.000	Pendiente	437.084	-1.8950 %
6540.000	Pendiente	436.705	-1.8950 %
6560.000	Pendiente	436.326	-1.8950 %
6580.000	Pendiente	435.947	-1.8950 %
6600.000	Pendiente	435.568	-1.8950 %
6620.000	Pendiente	435.189	-1.8950 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
6640.000	Pendiente	434.810	-1.8950 %
6660.000	Pendiente	434.431	-1.8950 %
6680.000	Pendiente	434.052	-1.8950 %
6700.000	Pendiente	433.673	-1.8950 %
6720.000	Pendiente	433.294	-1.8950 %
6740.000	Pendiente	432.915	-1.8950 %
6760.000	Pendiente	432.536	-1.8950 %
6780.000	Pendiente	432.157	-1.8950 %
6800.000	Pendiente	431.778	-1.8950 %
6820.000	Pendiente	431.399	-1.8950 %
6840.000	Pendiente	431.020	-1.8950 %
6860.000	Pendiente	430.641	-1.8950 %
6880.000	Pendiente	430.262	-1.8950 %
6900.000	Pendiente	429.883	-1.8950 %
6920.000	Pendiente	429.504	-1.8950 %
6940.000	Pendiente	429.125	-1.8950 %
6960.000	Pendiente	428.746	-1.8950 %
6980.000	Pendiente	428.367	-1.8950 %
7000.000	Pendiente	427.988	-1.8950 %
7020.000	Pendiente	427.609	-1.8950 %
7040.000	Pendiente	427.230	-1.8950 %
7060.000	Pendiente	426.851	-1.8950 %
7080.000	Pendiente	426.472	-1.8950 %
7082.929	tg. entrada	426.416	-1.8950 %
7100.000	KV 11000	426.106	-1.7398 %
7120.000	KV 11000	425.776	-1.5580 %
7140.000	KV 11000	425.483	-1.3762 %
7160.000	KV 11000	425.226	-1.1943 %
7180.000	KV 11000	425.005	-1.0125 %
7200.000	KV 11000	424.821	-0.8307 %
7220.000	KV 11000	424.673	-0.6489 %
7240.000	KV 11000	424.561	-0.4671 %
7260.000	KV 11000	424.486	-0.2853 %
7280.000	KV 11000	424.447	-0.1034 %
7291.378	Punto bajo	424.441	0.0000 %
7300.000	KV 11000	424.444	0.0784 %
7320.000	KV 11000	424.478	0.2602 %
7340.000	KV 11000	424.549	0.4420 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
7360.000	KV 11000	424.655	0.6238 %
7380.000	KV 11000	424.798	0.8057 %
7400.000	KV 11000	424.977	0.9875 %
7420.000	KV 11000	425.193	1.1693 %
7425.200	tg. salida	425.255	1.2166 %
7440.000	Rampa	425.435	1.2166 %
7460.000	Rampa	425.678	1.2166 %
7480.000	Rampa	425.922	1.2166 %
7500.000	Rampa	426.165	1.2166 %
7520.000	Rampa	426.408	1.2166 %
7540.000	Rampa	426.652	1.2166 %
7560.000	Rampa	426.895	1.2166 %
7580.000	Rampa	427.138	1.2166 %
7600.000	Rampa	427.382	1.2166 %
7620.000	Rampa	427.625	1.2166 %
7640.000	Rampa	427.868	1.2166 %
7660.000	Rampa	428.112	1.2166 %
7680.000	Rampa	428.355	1.2166 %
7700.000	Rampa	428.598	1.2166 %
7720.000	Rampa	428.842	1.2166 %
7740.000	Rampa	429.085	1.2166 %
7760.000	Rampa	429.328	1.2166 %
7780.000	Rampa	429.571	1.2166 %
7800.000	Rampa	429.815	1.2166 %
7820.000	Rampa	430.058	1.2166 %
7840.000	Rampa	430.301	1.2166 %
7860.000	Rampa	430.545	1.2166 %
7880.000	Rampa	430.788	1.2166 %
7888.674	tg. entrada	430.894	1.2166 %
7900.000	KV -31000	431.029	1.1800 %
7920.000	KV -31000	431.259	1.1155 %
7940.000	KV -31000	431.475	1.0510 %
7960.000	KV -31000	431.679	0.9865 %
7980.000	KV -31000	431.870	0.9220 %
8000.000	KV -31000	432.048	0.8574 %
8020.000	KV -31000	432.213	0.7929 %
8040.000	KV -31000	432.365	0.7284 %
8060.000	KV -31000	432.504	0.6639 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
8080.000	KV -31000	432.631	0.5994 %
8100.000	KV -31000	432.744	0.5349 %
8120.000	KV -31000	432.845	0.4704 %
8140.000	KV -31000	432.932	0.4058 %
8160.000	KV -31000	433.007	0.3413 %
8180.000	KV -31000	433.069	0.2768 %
8200.000	KV -31000	433.118	0.2123 %
8220.000	KV -31000	433.154	0.1478 %
8240.000	KV -31000	433.177	0.0833 %
8260.000	KV -31000	433.187	0.0187 %
8265.809	Punto alto	433.188	0.0000 %
8280.000	KV -31000	433.184	-0.0458 %
8300.000	KV -31000	433.169	-0.1103 %
8320.000	KV -31000	433.140	-0.1748 %
8340.000	KV -31000	433.099	-0.2393 %
8360.000	KV -31000	433.045	-0.3038 %
8380.000	KV -31000	432.977	-0.3684 %
8400.000	KV -31000	432.897	-0.4329 %
8420.000	KV -31000	432.804	-0.4974 %
8440.000	KV -31000	432.698	-0.5619 %
8460.000	KV -31000	432.579	-0.6264 %
8480.000	KV -31000	432.448	-0.6909 %
8500.000	KV -31000	432.303	-0.7555 %
8520.000	KV -31000	432.145	-0.8200 %
8540.000	KV -31000	431.975	-0.8845 %
8560.000	KV -31000	431.792	-0.9490 %
8580.000	KV -31000	431.595	-1.0135 %
8600.000	KV -31000	431.386	-1.0780 %
8620.000	KV -31000	431.164	-1.1426 %
8640.000	KV -31000	430.929	-1.2071 %
8660.000	KV -31000	430.681	-1.2716 %
8680.000	KV -31000	430.421	-1.3361 %
8700.000	KV -31000	430.147	-1.4006 %
8720.000	KV -31000	429.860	-1.4651 %
8740.000	KV -31000	429.561	-1.5296 %
8760.000	KV -31000	429.248	-1.5942 %
8780.000	KV -31000	428.923	-1.6587 %
8800.000	KV -31000	428.585	-1.7232 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
8820.000	KV -31000	428.234	-1.7877 %
8820.478	tg. salida	428.225	-1.7893 %
8840.000	Pendiente	427.876	-1.7893 %
8860.000	Pendiente	427.518	-1.7893 %
8880.000	Pendiente	427.160	-1.7893 %
8900.000	Pendiente	426.803	-1.7893 %
8920.000	Pendiente	426.445	-1.7893 %
8940.000	Pendiente	426.087	-1.7893 %
8960.000	Pendiente	425.729	-1.7893 %
8980.000	Pendiente	425.371	-1.7893 %
9000.000	Pendiente	425.013	-1.7893 %
9020.000	Pendiente	424.655	-1.7893 %
9040.000	Pendiente	424.298	-1.7893 %
9060.000	Pendiente	423.940	-1.7893 %
9080.000	Pendiente	423.582	-1.7893 %
9100.000	Pendiente	423.224	-1.7893 %
9120.000	Pendiente	422.866	-1.7893 %
9140.000	Pendiente	422.508	-1.7893 %
9160.000	Pendiente	422.150	-1.7893 %
9180.000	Pendiente	421.793	-1.7893 %
9200.000	Pendiente	421.435	-1.7893 %
9220.000	Pendiente	421.077	-1.7893 %
9240.000	Pendiente	420.719	-1.7893 %
9260.000	Pendiente	420.361	-1.7893 %
9280.000	Pendiente	420.003	-1.7893 %
9300.000	Pendiente	419.646	-1.7893 %
9320.000	Pendiente	419.288	-1.7893 %
9340.000	Pendiente	418.930	-1.7893 %
9360.000	Pendiente	418.572	-1.7893 %
9380.000	Pendiente	418.214	-1.7893 %
9400.000	Pendiente	417.856	-1.7893 %
9420.000	Pendiente	417.498	-1.7893 %
9440.000	Pendiente	417.141	-1.7893 %
9460.000	Pendiente	416.783	-1.7893 %
9480.000	Pendiente	416.425	-1.7893 %
9500.000	Pendiente	416.067	-1.7893 %
9520.000	Pendiente	415.709	-1.7893 %
9540.000	Pendiente	415.351	-1.7893 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
9560.000	Pendiente	414.993	-1.7893 %
9580.000	Pendiente	414.636	-1.7893 %
9600.000	Pendiente	414.278	-1.7893 %
9620.000	Pendiente	413.920	-1.7893 %
9640.000	Pendiente	413.562	-1.7893 %
9660.000	Pendiente	413.204	-1.7893 %
9680.000	Pendiente	412.846	-1.7893 %
9700.000	Pendiente	412.488	-1.7893 %
9720.000	Pendiente	412.131	-1.7893 %
9740.000	Pendiente	411.773	-1.7893 %
9760.000	Pendiente	411.415	-1.7893 %
9780.000	Pendiente	411.057	-1.7893 %
9800.000	Pendiente	410.699	-1.7893 %
9820.000	Pendiente	410.341	-1.7893 %
9840.000	Pendiente	409.984	-1.7893 %
9860.000	Pendiente	409.626	-1.7893 %
9880.000	Pendiente	409.268	-1.7893 %
9900.000	Pendiente	408.910	-1.7893 %
9920.000	Pendiente	408.552	-1.7893 %
9940.000	Pendiente	408.194	-1.7893 %
9960.000	Pendiente	407.836	-1.7893 %
9980.000	Pendiente	407.479	-1.7893 %
10000.000	Pendiente	407.121	-1.7893 %
10020.000	Pendiente	406.763	-1.7893 %
10040.000	Pendiente	406.405	-1.7893 %
10057.609	tg. entrada	406.090	-1.7893 %
10060.000	KV 31000	406.047	-1.7815 %
10080.000	KV 31000	405.697	-1.7170 %
10100.000	KV 31000	405.360	-1.6525 %
10120.000	KV 31000	405.036	-1.5880 %
10140.000	KV 31000	404.725	-1.5235 %
10160.000	KV 31000	404.427	-1.4590 %
10180.000	KV 31000	404.142	-1.3944 %
10200.000	KV 31000	403.869	-1.3299 %
10220.000	KV 31000	403.610	-1.2654 %
10240.000	KV 31000	403.363	-1.2009 %
10260.000	KV 31000	403.129	-1.1364 %
10280.000	KV 31000	402.909	-1.0719 %

Actualización 2016



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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
10300.000	KV 31000	402.701	-1.0073 %
10320.000	KV 31000	402.506	-0.9428 %
10340.000	KV 31000	402.323	-0.8783 %
10360.000	KV 31000	402.154	-0.8138 %
10380.000	KV 31000	401.998	-0.7493 %
10400.000	KV 31000	401.855	-0.6848 %
10420.000	KV 31000	401.724	-0.6203 %
10440.000	KV 31000	401.606	-0.5557 %
10460.000	KV 31000	401.502	-0.4912 %
10480.000	KV 31000	401.410	-0.4267 %
10500.000	KV 31000	401.331	-0.3622 %
10520.000	KV 31000	401.265	-0.2977 %
10540.000	KV 31000	401.212	-0.2332 %
10560.000	KV 31000	401.172	-0.1686 %
10580.000	KV 31000	401.145	-0.1041 %
10600.000	KV 31000	401.130	-0.0396 %
10612.278	Punto bajo	401.128	0.0000 %
10620.000	KV 31000	401.129	0.0249 %
10640.000	KV 31000	401.140	0.0894 %
10660.000	KV 31000	401.164	0.1539 %
10680.000	KV 31000	401.202	0.2185 %
10700.000	KV 31000	401.252	0.2830 %
10720.000	KV 31000	401.315	0.3475 %
10740.000	KV 31000	401.391	0.4120 %
10760.000	KV 31000	401.480	0.4765 %
10780.000	KV 31000	401.581	0.5410 %
10783.441	tg. salida	401.600	0.5521 %
10800.000	Rampa	401.692	0.5521 %
10820.000	Rampa	401.802	0.5521 %
10840.000	Rampa	401.913	0.5521 %
10860.000	Rampa	402.023	0.5521 %
10880.000	Rampa	402.133	0.5521 %
10900.000	Rampa	402.244	0.5521 %
10920.000	Rampa	402.354	0.5521 %
10940.000	Rampa	402.465	0.5521 %
10960.000	Rampa	402.575	0.5521 %
10980.000	Rampa	402.686	0.5521 %
11000.000	Rampa	402.796	0.5521 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
11020.000	Rampa	402.906	0.5521 %
11040.000	Rampa	403.017	0.5521 %
11060.000	Rampa	403.127	0.5521 %
11080.000	Rampa	403.238	0.5521 %
11100.000	Rampa	403.348	0.5521 %
11120.000	Rampa	403.459	0.5521 %
11140.000	Rampa	403.569	0.5521 %
11160.000	Rampa	403.679	0.5521 %
11180.000	Rampa	403.790	0.5521 %
11200.000	Rampa	403.900	0.5521 %
11220.000	Rampa	404.011	0.5521 %
11240.000	Rampa	404.121	0.5521 %
11260.000	Rampa	404.232	0.5521 %
11280.000	Rampa	404.342	0.5521 %
11300.000	Rampa	404.452	0.5521 %
11320.000	Rampa	404.563	0.5521 %
11340.000	Rampa	404.673	0.5521 %
11360.000	Rampa	404.784	0.5521 %
11380.000	Rampa	404.894	0.5521 %
11400.000	Rampa	405.005	0.5521 %
11420.000	Rampa	405.115	0.5521 %
11440.000	Rampa	405.225	0.5521 %
11460.000	Rampa	405.336	0.5521 %
11480.000	Rampa	405.446	0.5521 %
11500.000	Rampa	405.557	0.5521 %
11520.000	Rampa	405.667	0.5521 %
11540.000	Rampa	405.777	0.5521 %
11560.000	Rampa	405.888	0.5521 %
11580.000	Rampa	405.998	0.5521 %
11600.000	Rampa	406.109	0.5521 %
11620.000	Rampa	406.219	0.5521 %
11640.000	Rampa	406.330	0.5521 %
11660.000	Rampa	406.440	0.5521 %
11672.969	tg. entrada	406.512	0.5521 %
11680.000	KV -35000	406.550	0.5320 %
11700.000	KV -35000	406.650	0.4749 %
11720.000	KV -35000	406.740	0.4178 %
11740.000	KV -35000	406.818	0.3606 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
11760.000	KV -35000	406.884	0.3035 %
11780.000	KV -35000	406.939	0.2463 %
11800.000	KV -35000	406.983	0.1892 %
11820.000	KV -35000	407.015	0.1320 %
11840.000	KV -35000	407.035	0.0749 %
11860.000	KV -35000	407.045	0.0178 %
11866.217	Punto alto	407.045	0.0000 %
11880.000	KV -35000	407.042	-0.0394 %
11900.000	KV -35000	407.029	-0.0965 %
11920.000	KV -35000	407.004	-0.1537 %
11940.000	KV -35000	406.967	-0.2108 %
11960.000	KV -35000	406.920	-0.2680 %
11980.000	KV -35000	406.860	-0.3251 %
12000.000	KV -35000	406.789	-0.3822 %
12020.000	KV -35000	406.707	-0.4394 %
12040.000	KV -35000	406.614	-0.4965 %
12060.000	KV -35000	406.509	-0.5537 %
12080.000	KV -35000	406.392	-0.6108 %
12100.000	KV -35000	406.264	-0.6680 %
12120.000	KV -35000	406.125	-0.7251 %
12140.000	KV -35000	405.974	-0.7822 %
12160.000	KV -35000	405.812	-0.8394 %
12179.029	tg. salida	405.647	-0.8937 %
12180.000	Pendiente	405.639	-0.8937 %
12200.000	Pendiente	405.460	-0.8937 %
12220.000	Pendiente	405.281	-0.8937 %
12240.000	Pendiente	405.102	-0.8937 %
12260.000	Pendiente	404.924	-0.8937 %
12280.000	Pendiente	404.745	-0.8937 %
12300.000	Pendiente	404.566	-0.8937 %
12320.000	Pendiente	404.387	-0.8937 %
12340.000	Pendiente	404.209	-0.8937 %
12360.000	Pendiente	404.030	-0.8937 %
12380.000	Pendiente	403.851	-0.8937 %
12400.000	Pendiente	403.672	-0.8937 %
12420.000	Pendiente	403.494	-0.8937 %
12440.000	Pendiente	403.315	-0.8937 %
12460.000	Pendiente	403.136	-0.8937 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
12480.000	Pendiente	402.957	-0.8937 %
12500.000	Pendiente	402.779	-0.8937 %
12514.029	tg. entrada	402.653	-0.8937 %
12520.000	KV 15000	402.601	-0.8539 %
12540.000	KV 15000	402.444	-0.7206 %
12560.000	KV 15000	402.313	-0.5873 %
12580.000	KV 15000	402.209	-0.4539 %
12600.000	KV 15000	402.131	-0.3206 %
12620.000	KV 15000	402.080	-0.1873 %
12640.000	KV 15000	402.056	-0.0539 %
12648.091	Punto bajo	402.054	0.0000 %
12660.000	KV 15000	402.059	0.0794 %
12680.000	KV 15000	402.088	0.2127 %
12700.000	KV 15000	402.144	0.3461 %
12720.000	KV 15000	402.227	0.4794 %
12740.000	KV 15000	402.336	0.6127 %
12757.980	tg. salida	402.457	0.7326 %
12760.000	Rampa	402.471	0.7326 %
12780.000	Rampa	402.618	0.7326 %
12800.000	Rampa	402.765	0.7326 %
12820.000	Rampa	402.911	0.7326 %
12840.000	Rampa	403.058	0.7326 %
12860.000	Rampa	403.204	0.7326 %
12880.000	Rampa	403.351	0.7326 %
12900.000	Rampa	403.497	0.7326 %
12920.000	Rampa	403.644	0.7326 %
12940.000	Rampa	403.790	0.7326 %
12960.000	Rampa	403.937	0.7326 %
12964.306	tg. entrada	403.968	0.7326 %
12980.000	KV -23000	404.078	0.6644 %
13000.000	KV -23000	404.202	0.5774 %
13020.000	KV -23000	404.309	0.4904 %
13040.000	KV -23000	404.398	0.4035 %
13060.000	KV -23000	404.470	0.3165 %
13080.000	KV -23000	404.525	0.2296 %
13100.000	KV -23000	404.562	0.1426 %
13120.000	KV -23000	404.582	0.0557 %
13132.802	Punto alto	404.585	0.0000 %

Actualización 2016



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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
13140.000	KV -23000	404.584	-0.0313 %
13160.000	KV -23000	404.569	-0.1183 %
13180.000	KV -23000	404.537	-0.2052 %
13200.000	KV -23000	404.487	-0.2922 %
13220.000	KV -23000	404.420	-0.3791 %
13240.000	KV -23000	404.336	-0.4661 %
13260.000	KV -23000	404.234	-0.5530 %
13280.000	KV -23000	404.114	-0.6400 %
13300.000	KV -23000	403.978	-0.7269 %
13320.000	KV -23000	403.824	-0.8139 %
13340.000	KV -23000	403.652	-0.9009 %
13360.000	KV -23000	403.463	-0.9878 %
13380.000	KV -23000	403.257	-1.0748 %
13400.000	KV -23000	403.033	-1.1617 %
13420.000	KV -23000	402.792	-1.2487 %
13440.000	KV -23000	402.534	-1.3356 %
13460.000	KV -23000	402.258	-1.4226 %
13480.000	KV -23000	401.965	-1.5096 %
13500.000	KV -23000	401.654	-1.5965 %
13520.000	KV -23000	401.326	-1.6835 %
13540.000	KV -23000	400.981	-1.7704 %
13560.000	KV -23000	400.618	-1.8574 %
13580.000	KV -23000	400.238	-1.9443 %
13600.000	KV -23000	399.840	-2.0313 %
13620.000	KV -23000	399.425	-2.1183 %
13630.741	tg. salida	399.195	-2.1650 %
13640.000	Pendiente	398.995	-2.1650 %
13660.000	Pendiente	398.562	-2.1650 %
13680.000	Pendiente	398.129	-2.1650 %
13700.000	Pendiente	397.696	-2.1650 %
13720.000	Pendiente	397.263	-2.1650 %
13740.000	Pendiente	396.830	-2.1650 %
13760.000	Pendiente	396.397	-2.1650 %
13780.000	Pendiente	395.964	-2.1650 %
13800.000	Pendiente	395.531	-2.1650 %
13820.000	Pendiente	395.098	-2.1650 %
13840.000	Pendiente	394.665	-2.1650 %
13860.000	Pendiente	394.232	-2.1650 %

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*** PUNTOS DEL EJE EN ALZADO ***

P.K.	TIPO	COTA	PENDIENTE
13875.186	Pendiente	393.903	-2.1650 %

Actualización 2016



Actualización 2019:



APÉNDICE Nº 2. LISTADOS DE VISIBILIDAD

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



```
#####
# ESTUDIO DE VISIBILIDAD
#####
# Estudio de Visibilidad de Parada a lo largo de un eje o
# un tramo de eje.
#
#####
# ISTRAM(R) V. 9.28 2168
#####
# Tabla de diseño de alzado (.dia): GRUPO-1.dia
# La distancia de parada = (V * Tp/3.6) + (V*V / (254*(F1 + i)))
#
# Eje: 1 en sentido: Normal
# Estudio a velocidad fija de 100.0 Km/h
# Eje desde PK: 0.000 hasta PK: 14176.495
# Estudio desde PK: 0.000 hasta PK: 14176.495
#
# Saltos del observador para estudio cada: 20.00 m
# Se supone la visibilidad en los primeros: 60.00 m
# A partir de ahí se estudia la visibilidad cada: 20.00 m
#
# Angulo Focos-rasante, en grados: 1.00
# Angulo de tolerancia horizontal, en grados: 45.00
#
# El ángulo horizontal mide la desviación de la visual entre observador y
# referencia con respecto a la tangente a la trayectoria en el pk de
# estudio.
# El ángulo Focos-rasante mide la desviación de la visual entre observador y
# referencia con respecto a la línea de máxima iluminación de los focos
# del vehículo.
#
# El estudio se hace entre el punto de vista del observador y el punto de la
# referencia configurados.
#
# Trayectoria configurada del observador:
# Superficie: 67
# Lado: Derecho
# Código: 1
# Distancia al código: 5.5 m hacia el exterior
# Altura: 1.10 m desde Calzada Pral.
#
# Trayectoria configurada de la referencia:
# Superficie: 67
# Lado: Derecho
# Código: 1
# Distancia al código: 0.0 m hacia el exterior
# Altura: 0.20 m desde Calzada Pral.
#####
```

PK	D.Disp	D.Nece	i	Radio	Kv	f1	V.Est	V.Red	Obstáculo	Dist.Eje	PKObstáculo
0.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
20.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
40.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
60.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
80.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
100.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
120.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
140.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
160.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
180.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
200.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
220.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
240.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
260.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
280.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
300.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
320.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
340.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
360.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
380.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
400.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
420.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
440.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
460.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
480.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
500.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
520.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
540.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
560.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
580.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
600.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
620.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
640.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
660.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
680.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
700.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
720.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
740.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
760.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
780.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
800.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
820.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
840.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
860.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
880.0	180.5	180.5	-0.500%	-7816.4	0.000	0.320	100.0				
900.0	180.5	180.5	-0.500%	-3274.2	0.000	0.320	100.0				
920.0	180.5	180.5	-0.500%	-2073.4	0.000	0.320	100.0				
940.0	180.5	180.5	-0.500%	-1518.4	0.000	0.320	100.0				
960.0	180.5	180.5	-0.500%	-1198.6	0.000	0.320	100.0				

980.0	180.5	180.5	-0.500%	-1009.5	0.000	0.320	100.0				
1000.0	180.5	180.5	-0.500%	-1009.5	0.000	0.320	100.0				
1020.0	180.5	180.5	-0.500%	-1009.5	0.000	0.320	100.0				
1040.0	180.5	180.5	-0.500%	-1009.5	0.000	0.320	100.0				
1060.0	180.5	180.5	-0.500%	-1009.5	0.000	0.320	100.0				
1080.0	180.5	180.5	-0.500%	-1009.5	0.000	0.320	100.0				
1100.0	180.5	180.5	-0.500%	-1009.5	0.000	0.320	100.0				
1120.0	180.5	180.5	-0.500%	-1009.5	0.000	0.320	100.0				
1140.0	180.5	180.5	-0.500%	-1009.5	0.000	0.320	100.0				
1160.0	180.5	180.5	-0.500%	-1009.5	0.000	0.320	100.0				
1180.0	180.5	180.5	-0.500%	-1009.5	0.000	0.320	100.0				
1200.0	180.5	180.5	-0.500%	-1009.5	0.000	0.320	100.0				
1220.0	180.5	180.5	-0.500%	-1009.5	0.000	0.320	100.0				
1240.0	180.5	180.5	-0.500%	-1009.5	0.000	0.320	100.0				
1260.0	180.5	180.5	-0.500%	-1009.5	0.000	0.320	100.0				
1280.0	180.5	180.5	-0.500%	-1009.5	0.000	0.320	100.0				
1300.0	180.5	180.5	-0.500%	-1009.5	0.000	0.320	100.0				
1320.0	180.5	180.5	-0.500%	-1009.5	0.000	0.320	100.0				
1340.0	180.5	180.5	-0.500%	-1009.5	0.000	0.320	100.0				
1360.0	180.5	180.5	-0.500%	-1009.5	0.000	0.320	100.0				
1380.0	180.5	180.5	-0.500%	-1009.5	0.000	0.320	100.0				
1400.0	180.5	180.5	-0.500%	-1009.5	0.000	0.320	100.0				
1420.0	180.5	180.5	-0.500%	-1009.5	0.000	0.320	100.0				
1440.0	180.5	180.5	-0.500%	-1009.5	0.000	0.320	100.0				
1460.0	180.5	180.5	-0.500%	-1009.5	0.000	0.320	100.0				
1480.0	180.5	180.5	-0.500%	-1009.5	0.000	0.320	100.0				
1500.0	180.5	180.5	-0.500%	-1009.5	0.000	0.320	100.0				
1520.0	180.5	180.5	-0.500%	-1009.5	0.000	0.320	100.0				
1540.0	180.5	180.5	-0.500%	-1009.5	0.000	0.320	100.0				
1560.0	180.5	180.5	-0.500%	-1009.5	0.000	0.320	100.0				
1580.0	180.5	180.5	-0.500%	-1009.5	0.000	0.320	100.0				
1600.0	180.5	180.5	-0.500%	-1009.5	0.000	0.320	100.0				
1620.0	180.4	180.4	-0.456%	-1009.5	20000.000	0.320	100.0				
1640.0	180.0	180.0	-0.356%	-1009.5	20000.000	0.320	100.0				
1660.0	179.6	179.6	-0.256%	-1009.5	20000.000	0.320	100.0				
1680.0	179.2	179.2	-0.156%	-1009.5	20000.000	0.320	100.0				
1700.0	178.8	178.8	-0.056%	-1009.5	20000.000	0.320	100.0				
1720.0	178.4	178.4	0.044%	-1009.5	20000.000	0.320	100.0				
1740.0	178.0	178.0	0.144%	-1009.5	20000.000	0.320	100.0				
1760.0	177.7	177.7	0.244%	-1009.5	20000.000	0.320	100.0				
1780.0	177.3	177.3	0.344%	-1009.5	20000.000	0.320	100.0				
1800.0	176.9	176.9	0.444%	-1009.5	20000.000	0.320	100.0				
1820.0	176.5	176.5	0.544%	-1009.5	20000.000	0.320	100.0				
1840.0	176.2	176.2	0.644%	-1009.5	20000.000	0.320	100.0				
1860.0	175.8	175.8	0.744%	-1009.5	20000.000	0.320	100.0				
1880.0	175.4	175.4	0.844%	-1009.5	20000.000	0.320	100.0				
1900.0	175.1	175.1	0.944%	-1009.5	20000.000	0.320	100.0				
1920.0	174.7	174.7	1.044%	-1009.5	20000.000	0.320	100.0				
1940.0	174.3	174.3	1.144%	-1009.5	20000.000	0.320	100.0				
1960.0	174.0	174.0	1.244%	-1009.5	20000.000	0.320	100.0				
1980.0	173.6	173.6	1.344%	-1009.5	20000.000	0.320	100.0				
2000.0	173.3	173.3	1.444%	-1009.5	20000.000	0.320	100.0				
2020.0	172.9	172.9	1.544%	-1009.5	20000.000	0.320	100.0				
2040.0	172.6	172.6	1.644%	-1009.5	20000.000	0.320	100.0				
2060.0	172.2	172.2	1.744%	-1009.5	20000.000	0.320	100.0				
2080.0	171.9	171.9	1.844%	-1009.5	20000.000	0.320	100.0				
2100.0	171.5	171.5	1.944%	-1009.5	20000.000	0.320	100.0				
2120.0	171.3	171.3	2.000%	-1009.5	0.000	0.320	100.0				
2140.0	171.3	171.3	2.000%	-1009.5	0.000	0.320	100.0				
2160.0	171.3	171.3	2.000%	-1009.5	0.000	0.320	100.0				
2180.0	171.3	171.3	2.000%	-1009.5	0.000	0.					

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



5100.0	180.6	180.6	-0.509%	0.0	-31000.000	0.320	100.0
5120.0	180.8	180.8	-0.574%	0.0	-31000.000	0.320	100.0
5140.0	181.1	181.1	-0.638%	0.0	-31000.000	0.320	100.0
5160.0	181.3	181.3	-0.700%	0.0	0.000	0.320	100.0
5180.0	181.3	181.3	-0.700%	0.0	0.000	0.320	100.0
5200.0	181.3	181.3	-0.700%	0.0	0.000	0.320	100.0
5220.0	181.3	181.3	-0.700%	0.0	0.000	0.320	100.0
5240.0	180.8	180.8	-0.562%	0.0	10000.000	0.320	100.0
5260.0	180.0	180.0	-0.362%	0.0	10000.000	0.320	100.0
5280.0	179.2	179.2	-0.162%	0.0	10000.000	0.320	100.0
5300.0	178.4	178.4	0.038%	0.0	10000.000	0.320	100.0
5320.0	177.7	177.7	0.238%	0.0	10000.000	0.320	100.0
5340.0	176.9	176.9	0.438%	0.0	10000.000	0.320	100.0
5360.0	176.2	176.2	0.638%	0.0	10000.000	0.320	100.0
5380.0	175.4	175.4	0.838%	0.0	10000.000	0.320	100.0
5400.0	174.7	174.7	1.038%	0.0	10000.000	0.320	100.0
5420.0	174.0	174.0	1.238%	0.0	10000.000	0.320	100.0
5440.0	173.6	173.6	1.350%	0.0	0.000	0.320	100.0
5460.0	173.6	173.6	1.350%	0.0	0.000	0.320	100.0
5480.0	173.6	173.6	1.350%	0.0	0.000	0.320	100.0
5500.0	173.7	173.7	1.327%	0.0	-31000.000	0.320	100.0
5520.0	173.9	173.9	1.262%	0.0	-31000.000	0.320	100.0
5540.0	174.1	174.1	1.198%	0.0	-31000.000	0.320	100.0
5560.0	174.4	174.4	1.133%	0.0	-31000.000	0.320	100.0
5580.0	174.6	174.6	1.069%	0.0	-31000.000	0.320	100.0
5600.0	174.8	174.8	1.004%	0.0	-31000.000	0.320	100.0
5620.0	175.1	175.1	0.940%	0.0	-31000.000	0.320	100.0
5640.0	175.3	175.3	0.875%	0.0	-31000.000	0.320	100.0
5660.0	175.5	175.5	0.811%	0.0	-31000.000	0.320	100.0
5680.0	175.8	175.8	0.746%	0.0	-31000.000	0.320	100.0
5700.0	176.0	176.0	0.682%	0.0	-31000.000	0.320	100.0
5720.0	176.3	176.3	0.617%	0.0	-31000.000	0.320	100.0
5740.0	176.5	176.5	0.553%	0.0	-31000.000	0.320	100.0
5760.0	176.7	176.7	0.488%	0.0	-31000.000	0.320	100.0
5780.0	177.0	177.0	0.423%	0.0	-31000.000	0.320	100.0
5800.0	177.2	177.2	0.359%	0.0	-31000.000	0.320	100.0
5820.0	177.5	177.5	0.294%	0.0	-31000.000	0.320	100.0
5840.0	177.7	177.7	0.230%	0.0	-31000.000	0.320	100.0
5860.0	178.0	178.0	0.165%	0.0	-31000.000	0.320	100.0
5880.0	178.2	178.2	0.101%	0.0	-31000.000	0.320	100.0
5900.0	178.4	178.4	0.036%	0.0	-31000.000	0.320	100.0
5920.0	178.7	178.7	-0.028%	0.0	-31000.000	0.320	100.0
5940.0	178.9	178.9	-0.093%	0.0	-31000.000	0.320	100.0
5960.0	179.2	179.2	-0.157%	0.0	-31000.000	0.320	100.0
5980.0	179.4	179.4	-0.222%	0.0	-31000.000	0.320	100.0
6000.0	179.7	179.7	-0.286%	0.0	-31000.000	0.320	100.0
6020.0	180.0	180.0	-0.351%	0.0	-31000.000	0.320	100.0
6040.0	180.2	180.2	-0.415%	0.0	-31000.000	0.320	100.0
6060.0	180.5	180.5	-0.480%	0.0	-31000.000	0.320	100.0
6080.0	180.7	180.7	-0.544%	81054.6	-31000.000	0.320	100.0
6100.0	181.0	181.0	-0.609%	10820.5	-31000.000	0.320	100.0
6120.0	181.2	181.2	-0.673%	5793.1	-31000.000	0.320	100.0
6140.0	181.5	181.5	-0.738%	3953.5	-31000.000	0.320	100.0
6160.0	181.8	181.8	-0.802%	2999.5	-31000.000	0.320	100.0
6180.0	182.0	182.0	-0.867%	2415.7	-31000.000	0.320	100.0
6200.0	182.1	182.1	-0.900%	2021.6	0.000	0.320	100.0
6220.0	182.1	182.1	-0.900%	1737.7	0.000	0.320	100.0
6240.0	182.1	182.1	-0.900%	1523.5	0.000	0.320	100.0
6260.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
6280.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
6300.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
6320.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
6340.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
6360.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
6380.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
6400.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
6420.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
6440.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
6460.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
6480.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
6500.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
6520.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
6540.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
6560.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
6580.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
6600.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
6620.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
6640.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
6660.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
6680.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
6700.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
6720.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
6740.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
6760.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
6780.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
6800.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
6820.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
6840.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
6860.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
6880.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
6900.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
6920.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
6940.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
6960.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
6980.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
7000.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
7020.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
7040.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
7060.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
7080.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
7100.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
7120.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
7140.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0

7160.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
7180.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
7200.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
7220.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
7240.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
7260.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
7280.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
7300.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
7320.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
7340.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
7360.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
7380.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
7400.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
7420.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
7440.0	182.1	182.1	-0.900%	1675.4	0.000	0.320	100.0
7460.0	182.1	182.1	-0.900%	1937.9	0.000	0.320	100.0
7480.0	182.1	182.1	-0.900%	2297.3	0.000	0.320	100.0
7500.0	182.1	182.1	-0.900%	2819.3	0.000	0.320	100.0
7520.0	182.1	182.1	-0.900%	3646.8	0.000	0.320	100.0
7540.0	182.1	182.1	-0.900%	5158.4	0.000	0.320	100.0
7560.0	182.1	182.1	-0.900%	8800.9	0.000	0.320	100.0
7580.0	182.1	182.1	-0.900%	29839.5	0.000	0.320	100.0
7600.0	182.1	182.1	-0.900%	0.0	0.000	0.320	100.0
7620.0	182.1	182.1	-0.900%	0.0	0.000	0.320	100.0
7640.0	182.1	182.1	-0.900%	0.0	0.000	0.320	100.0
7660.0	182.1	182.1	-0.900%	0.0	0.000	0.320	100.0
7680.0	182.1	182.1	-0.900%	0.0	0.000	0.320	100.0
7700.0	182.1	182.1	-0.900%	0.0	0.000	0.320	100.0
7720.0	182.1	182.1	-0.900%	0.0	0.000	0.320	100.0
7740.0	182.0	182.0	-0.875%	0.0	15000.000	0.320	100.0
7760.0	181.5	181.5	-0.742%	0.0	15000.000	0.320	100.0
7780.0	181.0	181.0	-0.608%	0.0	15000.000	0.320	100.0
7800.0	180.4	180.4	-0.475%	0.0	15000.000	0.320	100.0
7820.0	179						

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



11280.0	176.9	176.9	0.455%	-10009.5	-16000.000	0.320	100.0	13340.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
11300.0	177.3	177.3	0.330%	-10009.5	-16000.000	0.320	100.0	13360.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
11320.0	177.8	177.8	0.205%	-10009.5	-16000.000	0.320	100.0	13380.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
11340.0	178.3	178.3	0.080%	-10009.5	-16000.000	0.320	100.0	13400.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
11360.0	178.8	178.8	-0.045%	-10009.5	-16000.000	0.320	100.0	13420.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
11380.0	179.2	179.2	-0.170%	-10009.5	-16000.000	0.320	100.0	13440.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
11400.0	179.7	179.7	-0.295%	-10009.5	-16000.000	0.320	100.0	13460.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
11420.0	180.2	180.2	-0.420%	-10009.5	-16000.000	0.320	100.0	13480.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
11440.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0	13500.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
11460.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0	13520.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
11480.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0	13540.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
11500.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0	13560.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
11520.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0	13580.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
11540.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0	13600.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
11560.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0	13620.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
11580.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0	13640.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
11600.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0	13660.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
11620.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0	13680.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
11640.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0	13700.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
11660.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0	13720.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
11680.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0	13740.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
11700.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0	13760.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
11720.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0	13780.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
11740.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0	13800.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
11760.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0	13820.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
11780.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0	13840.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
11800.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0	13860.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
11820.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0	13880.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
11840.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0	13900.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
11860.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0	13920.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
11880.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0	13940.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
11900.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0	13960.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
11920.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0	13980.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
11940.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0	14000.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
11960.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0	14020.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
11980.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0	14040.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
12000.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0	14060.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
12020.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0	14080.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
12040.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0	14100.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
12060.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0	14120.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
12080.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0	14140.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
12100.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0								
12120.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0								
12140.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0								
12160.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0								
12180.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0								
12200.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0								
12220.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0								
12240.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0								
12260.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0								
12280.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0								
12300.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0								
12320.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0								
12340.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0								
12360.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0								
12380.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0								
12400.0	180.5	180.5	-0.484%	9990.5	40000.000	0.320	100.0								
12420.0	180.3	180.3	-0.434%	9990.5	40000.000	0.320	100.0								
12440.0	180.1	180.1	-0.384%	9990.5	40000.000	0.320	100.0								
12460.0	179.9	179.9	-0.334%	9990.5	40000.000	0.320	100.0								
12480.0	179.7	179.7	-0.284%	9990.5	40000.000	0.320	100.0								
12500.0	179.5	179.5	-0.234%	9990.5	40000.000	0.320	100.0								
12520.0	179.3	179.3	-0.184%	9990.5	40000.000	0.320	100.0								
12540.0	179.1	179.1	-0.134%	9990.5	40000.000	0.320	100.0								
12560.0	178.9	178.9	-0.084%	9990.5	40000.000	0.320	100.0								
12580.0	178.7	178.7	-0.034%	-28825.3	40000.000	0.320	100.0								
12600.0	178.5	178.5	0.016%	-4706.2	40000.000	0.320	100.0								
12620.0	178.3	178.3	0.066%	-2566.2	40000.000	0.320	100.0								
12640.0	178.1	178.1	0.116%	-1765.9	40000.000	0.320	100.0								
12660.0	178.0	178.0	0.166%	-1347.2	40000.000	0.320	100.0								
12680.0	177.8	177.8	0.216%	-1089.7	40000.000	0.320	100.0								
12700.0	177.6	177.6	0.266%	-1009.5	40000.000	0.320	100.0								
12720.0	177.4	177.4	0.316%	-1009.5	40000.000	0.320	100.0								
12740.0	177.2	177.2	0.366%	-1009.5	40000.000	0.320	100.0								
12760.0	177.0	177.0	0.416%	-1009.5	40000.000	0.320	100.0								
12780.0	176.8	176.8	0.466%	-1009.5	40000.000	0.320	100.0								
12800.0	176.7	176.7	0.500%	-1009.5	0.000	0.320	100.0								
12820.0	176.7	176.7	0.500%	-1009.5	0.000	0.320	100.0								
12840.0	176.7	176.7	0.500%	-1009.5	0.000	0.320	100.0								
12860.0	176.7	176.7	0.500%	-1009.5	0.000	0.320	100.0								
12880.0	176.7	176.7	0.500%	-1009.5	0.000	0.320	100.0								
12900.0	176.7	176.7	0.500%	-1009.5	0.000	0.320	100.0			</					

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B

Proyecto original:



Actualización 2016

Actualización 2019:



13196.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0	11136.5	184.0	184.0	-1.352%	-9990.5	-16000.000	0.320	100.0	9076.5	173.1	173.1	1.500%	3009.5	0.000	0.320	100.0
13176.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0	11116.5	184.5	184.5	-1.477%	-9990.5	-16000.000	0.320	100.0	9056.5	173.1	173.1	1.500%	3009.5	0.000	0.320	100.0
13156.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0	11096.5	185.1	185.1	-1.602%	-9990.5	-16000.000	0.320	100.0	9036.5	173.1	173.1	1.500%	3009.5	0.000	0.320	100.0
13136.5	180.5	180.5	-0.500%	-10298.9	0.000	0.320	100.0	11076.5	185.6	185.6	-1.727%	-9990.5	-16000.000	0.320	100.0	9016.5	173.1	173.1	1.500%	3009.5	0.000	0.320	100.0
13116.5	180.5	180.5	-0.500%	-3623.9	0.000	0.320	100.0	11056.5	186.1	186.1	-1.852%	-9990.5	-16000.000	0.320	100.0	8996.5	173.1	173.1	1.500%	3009.5	0.000	0.320	100.0
13096.5	180.5	180.5	-0.500%	-2195.9	0.000	0.320	100.0	11036.5	186.7	186.7	-1.977%	-9990.5	-16000.000	0.320	100.0	8976.5	173.1	173.1	1.500%	3009.5	0.000	0.320	100.0
13076.5	180.5	180.5	-0.500%	-1573.7	0.000	0.320	100.0	11016.5	186.8	186.8	-2.000%	-9990.5	0.000	0.320	100.0	8956.5	173.5	173.5	1.380%	3009.5	-16000.000	0.320	100.0
13056.5	180.5	180.5	-0.500%	-1225.3	0.000	0.320	100.0	10996.5	186.8	186.8	-2.000%	-9990.5	0.000	0.320	100.0	8936.5	173.9	173.9	1.255%	3009.5	-16000.000	0.320	100.0
13036.5	180.5	180.5	-0.500%	-1002.6	0.000	0.320	100.0	10976.5	186.8	186.8	-2.000%	-9990.5	0.000	0.320	100.0	8916.5	174.4	174.4	1.130%	3009.5	-16000.000	0.320	100.0
13016.5	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0	10956.5	186.8	186.8	-2.000%	-9990.5	0.000	0.320	100.0	8896.5	174.8	174.8	1.005%	3009.5	-16000.000	0.320	100.0
12996.5	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0	10936.5	186.8	186.8	-2.000%	-9990.5	0.000	0.320	100.0	8876.5	175.3	175.3	0.880%	3009.5	-16000.000	0.320	100.0
12976.5	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0	10916.5	186.8	186.8	-2.000%	-9990.5	0.000	0.320	100.0	8856.5	175.8	175.8	0.755%	3009.5	-16000.000	0.320	100.0
12956.5	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0	10896.5	186.8	186.8	-2.000%	-9990.5	0.000	0.320	100.0	8836.5	176.2	176.2	0.630%	3009.5	-16000.000	0.320	100.0
12936.5	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0	10876.5	186.8	186.8	-2.000%	-9990.5	0.000	0.320	100.0	8816.5	176.7	176.7	0.505%	3009.5	-16000.000	0.320	100.0
12916.5	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0	10856.5	186.7	186.7	-1.985%	-9990.5	10000.000	0.320	100.0	8796.5	177.1	177.1	0.380%	3009.5	-16000.000	0.320	100.0
12896.5	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0	10836.5	185.9	185.9	-1.785%	-9990.5	10000.000	0.320	100.0	8776.5	177.6	177.6	0.255%	3009.5	-16000.000	0.320	100.0
12876.5	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0	10816.5	185.0	185.0	-1.585%	-9990.5	10000.000	0.320	100.0	8756.5	178.1	178.1	0.130%	3009.5	-16000.000	0.320	100.0
12856.5	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0	10796.5	184.2	184.2	-1.385%	-9990.5	10000.000	0.320	100.0	8736.5	178.6	178.6	0.005%	3009.5	-16000.000	0.320	100.0
12836.5	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0	10776.5	183.3	183.3	-1.185%	-9990.5	10000.000	0.320	100.0	8716.5	179.1	179.1	-0.120%	3009.5	-16000.000	0.320	100.0
12816.5	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0	10756.5	182.5	182.5	-0.985%	-9990.5	10000.000	0.320	100.0	8696.5	179.5	179.5	-0.245%	3009.5	-16000.000	0.320	100.0
12796.5	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0	10736.5	181.7	181.7	-0.785%	-9990.5	10000.000	0.320	100.0	8676.5	180.0	180.0	-0.370%	3009.5	-16000.000	0.320	100.0
12776.5	180.4	180.4	-0.458%	-990.5	40000.000	0.320	100.0	10716.5	180.9	180.9	-0.585%	-9990.5	10000.000	0.320	100.0	8656.5	180.5	180.5	-0.495%	3009.5	-16000.000	0.320	100.0
12756.5	180.2	180.2	-0.408%	-990.5	40000.000	0.320	100.0	10696.5	180.1	180.1	-0.385%	-9990.5	10000.000	0.320	100.0	8636.5	181.0	181.0	-0.620%	3009.5	-16000.000	0.320	100.0
12736.5	180.0	180.0	-0.358%	-990.5	40000.000	0.320	100.0	10676.5	179.3	179.3	-0.185%	-9990.5	10000.000	0.320	100.0	8616.5	181.5	181.5	-0.745%	3009.5	-16000.000	0.320	100.0
12716.5	179.8	179.8	-0.308%	-990.5	40000.000	0.320	100.0	10656.5	178.5	178.5	0.015%	-9990.5	10000.000	0.320	100.0	8596.5	182.0	182.0	-0.870%	3009.5	-16000.000	0.320	100.0
12696.5	179.6	179.6	-0.258%	-990.5	40000.000	0.320	100.0	10636.5	177.8	177.8	0.215%	-9990.5	10000.000	0.320	100.0	8576.5	182.5	182.5	-0.995%	3009.5	-16000.000	0.320	100.0
12676.5	179.4	179.4	-0.208%	-1108.4	40000.000	0.320	100.0	10616.5	177.0	177.0	0.415%	-9990.5	10000.000	0.320	100.0	8556.5	183.1	183.1	-1.120%	3009.5	-16000.000	0.320	100.0
12656.5	179.2	179.2	-0.158%	-1386.5	40000.000	0.320	100.0	10596.5	176.3	176.3	0.615%	-9990.5	10000.000	0.320	100.0	8536.5	183.6	183.6	-1.245%	3009.5	-16000.000	0.320	100.0
12636.5	179.0	179.0	-0.108%	-1848.8	40000.000	0.320	100.0	10576.5	175.5	175.5	0.815%	-9990.5	10000.000	0.320	100.0	8516.5	184.1	184.1	-1.370%	3009.5	-16000.000	0.320	100.0
12616.5	178.8	178.8	-0.058%	-2769.1	40000.000	0.320	100.0	10556.5	174.8	174.8	1.015%	-9990.5	10000.000	0.320	100.0	8496.5	184.6	184.6	-1.495%	3035.9	-16000.000	0.320	100.0
12596.5	178.6	178.6	-0.008%	-5494.5	40000.000	0.320	100.0	10536.5	174.1	174.1	1.215%	-9990.5	10000.000	0.320	100.0	8476.5	185.1	185.1	-1.620%	3230.9	-16000.000	0.320	100.0
12576.5	178.4	178.4	0.042%	-9990.5	40000.000	0.320	100.0	10516.5	173.4	173.4	1.415%	-9990.5	10000.000	0.320	100.0	8456.5	185.7	185.7	-1.745%	3482.8	-16000.000	0.320	100.0
12556.5	178.2	178.2	0.092%	10009.5	40000.000	0.320	100.0	10496.5	172.7	172.7	1.615%	-9990.5	10000.000	0.320	100.0	8436.5	186.2	186.2	-1.870%	3707.7	-16000.000	0.320	100.0
12536.5	178.0	178.0	0.142%	10009.5	40000.000	0.320	100.0	10476.5	172.0	172.0	1.815%	-9990.5	10000.000	0.320	100.0	8416.5	186.8	186.8	-1.995%	4002.8	-16000.000	0.320	100.0
12516.5	177.9	177.9	0.192%	10009.5	40000.000	0.320	100.0	10456.5	171.3	171.3	2.015%	-9990.5	10000.000	0.320	100.0	8396.5	187.3	187.3	-2.120%	4349.4	-16000.000	0.320	100.0
12496.5	177.7	177.7	0.242%	10009.5	40000.000	0.320	100.0	10436.5	170.6	170.6	2.215%	-9990.5	10000.000	0.320	100.0	8376.5	187.9	187.9	-2.245%	4761.9	-16000.000	0.320	100.0
12476.5	177.5	177.5	0.292%	10009.5	40000.000	0.320	100.0	10416.5	170.0	170.0	2.415%	-9990.5	10000.000	0.320	100.0	8356.5	188.4	188.4	-2.370%	5261.0	-16000.000	0.320	100.0
12456.5	177.3	177.3	0.342%	10009.5	40000.000	0.320	100.0	10396.5	169.3	169.3	2.615%	-9990.5	10000.000	0.320	100.0	8336.5	189.0	189.0	-2.495%	5877.3	-16000.000	0.320	100.0
12436.5	177.1	177.1	0.392%	10009.5	40000.000	0.320	100.0	10376.5	168.6	168.6	2.815%	-9990.5	10000.000	0.320	100.0	8316.5	189.0	189.0	-2.500%	6657.5	0.000	0.320	100.0
12416.5	176.9	176.9	0.442%	10009.5	40000.000	0.320	100.0	10356.5	168.0	168.0	3.000%	-9990.5	0.000	0.320	100.0	8296.5	189.0	189.0	-2.500%	7676.9	0.000	0.320	100.0
12396.5	176.7	176.7	0.492%	10009.5	40000.000	0.320	100.0	10336.5	168.0	168.0	3.000%	57233.2	0.000	0.320	100.0	8276.5	189.0	189.0	-2.500%	9065.7	0.000	0.320	100.0
12376.5	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0	10316.5	168.0	168.0	3.000%	26693.8	0.000	0.320	100.0	8256.5	189.0	189.0	-2.500%	11068.8	0.000	0.320	100.0
12356.5	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0	10296.5	168.0	168.0	2.998%	17408.3	-31000.000	0.320	100.0	8236.5	188.7	188.7	-2.435%	14209.6	15000.000	0.320	100.0
12336.5	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0	10276.5	168.3	168.3	2.933%	12916.8	-31000.000	0.320	100.0	8216.5	188.1	188.1	-2.302%	19842.1	15000.000	0.320	100.0
12316.5	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0	10256.5	168.5	168.5	2.869%	10268.5	-31000.000	0.320	100.0	8196.5	187.5	187.5	-2.168%	2880.5	15000.000	0.320	100.0
12296.5	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0	10236															

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B

Proyecto original:



Actualización 2016

Actualización 2019:



836.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
816.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
796.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
776.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
756.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
736.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
716.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
696.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
676.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
656.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
636.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
616.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
596.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
576.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
556.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
536.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
516.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
496.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
476.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
456.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
436.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
416.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
396.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
376.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
356.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
336.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
316.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
296.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
276.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
256.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
236.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
216.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
196.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
176.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
156.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
136.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
116.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
96.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
76.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
56.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
36.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0

```
#####
# ESTUDIO DE VISIBILIDAD #
#####
# Estudio de Visibilidad de Parada a lo largo de un eje o #
# un tramo de eje. #
# #
# ISTRAM(R) V. 9.28 2168 #
#####
# #
# Tabla de diseño de alzado (.dia): GRUPO-1.dia #
# La distancia de parada = (V * Tp/3.6) + (V*V / (254*(F1 + i))) #
# #
# Eje: 1 en sentido: Normal #
# Estudio a velocidad fija de 100.0 Km/h #
# Eje desde PK: 0.000 hasta PK: 14176.495 #
# Estudio desde PK: 0.000 hasta PK: 14176.495 #
# #
# Saltos del observador para estudio cada: 20.00 m #
# Se supone la visibilidad en los primeros: 60.00 m #
# A partir de ahí se estudia la visibilidad cada: 20.00 m #
# #
# Angulo Focos-rasante, en grados: 1.00 #
# Angulo de tolerancia horizontal, en grados: 45.00 #
# #
# El ángulo horizontal mide la desviación de la visual entre observador y #
# referencia con respecto a la tangente a la trayectoria en el pk de #
# estudio. #
# El ángulo Focos-rasante mide la desviación de la visual entre observador y #
# referencia con respecto a la línea de máxima iluminación de los focos #
# del vehículo. #
# #
# El estudio se hace entre el punto de vista del observador y el punto de la #
# referencia configurados. #
# #
# Trayectoria configurada del observador: #
# Superficie: 67 #
# Lado: Derecho #
# Código: 1 #
# Distancia al código: 2.0 m hacia el exterior #
# Altura: 1.10 m desde Calzada Pral. #
# #
# Trayectoria configurada de la referencia: #
# Superficie: 67 #
# Lado: Derecho #
# Código: 1 #
# Distancia al código: 0.0 m hacia el exterior #
# Altura: 0.20 m desde Calzada Pral. #
#####
```

980.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0
1000.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0
1020.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0
1040.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0
1060.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0
1080.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0
1100.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0
1120.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0
1140.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0
1160.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0
1180.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0
1200.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0
1220.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0
1240.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0
1260.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0
1280.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0
1300.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0
1320.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0
1340.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0
1360.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0
1380.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0
1400.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0
1420.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0
1440.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0
1460.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0
1480.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0
1500.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0
1520.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0
1540.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0
1560.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0
1580.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0
1600.0	175.8	175.8	0.744%	-1006.0	20000.000	0.320	100.0
1620.0	180.4	180.4	-0.456%	-1006.0	20000.000	0.320	100.0
1640.0	180.0	180.0	-0.356%	-1006.0	20000.000	0.320	100.0
1660.0	179.6	179.6	-0.256%	-1006.0	20000.000	0.320	100.0
1680.0	179.2	179.2	-0.156%	-1006.0	20000.000	0.320	100.0
1700.0	178.8	178.8	-0.056%	-1006.0	20000.000	0.320	100.0
1720.0	178.4	178.4	0.044%	-1006.0	20000.000	0.320	100.0
1740.0	178.0	178.0	0.144%	-1006.0	20000.000	0.320	100.0
1760.0	177.7	177.7	0.244%	-1006.0	20000.000	0.320	100.0
1780.0	177.3	177.3	0.344%	-1006.0	20000.000	0.320	100.0
1800.0	176.9	176.9	0.444%	-1006.0	20000.000	0.320	100.0
1820.0	176.5	176.5	0.544%	-1006.0	20000.000	0.320	100.0
1840.0	176.2	176.2	0.644%	-1006.0	20000.000	0.320	100.0
1860.0	175.8	175.8	0.744%	-1006.0	20000.000	0.320	100.0
1880.0	175.4	175.4	0.844%	-1006.0	20000.000	0.320	100.0
1900.0	175.1	175.1	0.944%	-1006.0	20000.000	0.320	100.0
1920.0	174.7	174.7	1.044%	-1006.0	20000.000	0.320	100.0
1940.0	174.3	174.3	1.144%	-1006.0	20000.000	0.320	100.0
1960.0	174.0	174.0	1.244%	-1006.0	20000.000	0.320	100.0
1980.0	173.6	173.6	1.344%	-1006.0	20000.000	0.320	100.0
2000.0	173.3	173.3	1.444%	-1006.0	20000.000	0.320	100.0
2020.0	172.9	172.9	1.544%	-1006.0	20000.000	0.320	100.0
2040.0	172.6	172.6	1.644%	-1006.0	20000.000	0.320	100.0
2060.0	172.2	172.2	1.744%	-1006.0	20000.000	0.320	100.0
2080.0	171.9	171.9	1.844%	-1006.0	20000.000	0.320	100.0
2100.0	171.5	171.5	1.944%	-1006.0	20000.000	0.320	100.0
2120.0	171.3	171.3	2.000%	-1006.0	0.000	0.320	100.0
2140.0	171.3	171.3	2.000%	-1006.0	0.000	0.320	100.0
2160.0	171.3	171.3	2.000%	-1006.0	0.000	0.320	100.0
2180.0	171.3	171.3	2.000%	-1006.0	0.000	0.320	100.0
2200.0	171.3	171.3	2.000%	-1006.0	0.000	0.320	100.0
2220.0	171.3	171.3	2.000%	-1006.0	0.000	0.320	100.0
2240.0	171.3	171.3	2.000%	-1006.0	0.000	0.320	100.0
2260.0	171.3	171.3	2.000%	-1006.0	0.000	0.320	100.0
2280.0	171.3	171.3	2.000%	-1006.0	0.000	0.320	100.0
2300.0	171.3	171.3	2.000%	-1006.0	0.000	0.320	100.0
2320.0	171.3	171.3	2.000%	-1169.0	0.000	0.320	100.0
2340.0	171.3	171.3	2.000%	-1473.1	0.000	0.320	100.0
2360.0	171.3	171.3	2.000%	-1992.5	0.000	0.320	100.0
2380.0	171.3	171.3	2.000%	-3081.1	0.000	0.320	100.0
2400.0	171.3	171.3	2.000%	-6809.9	0.000	0.320	100.0
2420.0	171.3	171.3	2.000%	22356.7	0.000	0.320	100.0
2440.0	171.3	171.3	2.000%	3329.3	0.000	0.320	100.0
2460.0	171.3	171.3	2.000%	1796.1	0.000	0.320	100.0
2480.0	171.3	171.3	2.000%	1228.5	0.000	0.320	100.0
2500.0	171.3	171.3	2.000%	932.9	0.000	0.320	100.0
2520.0	171.3	171.3	2.000%	794.0	0.000	0.320	100.0
2540.0	171.3	171.3	2.000%	794.0	0.000	0.320	100.0
2560.0	171.3	171.3	2.000%	794.0	0.000	0.320	100.0
2580.0	171.3	171.3	2.000%	794.0	0.000	0.320	100.0
2600.0	171.3	171.3	2.000%	794.0	0.000	0.320	100.0
2620.0	171.3	171.3	2.000%	794.0	0.000	0.320	100.0
2640.0	171.3	171.3	2.000%	794.0	0.000	0.320	100.0
2660.0	171.3	171.3	2.000%	794.0	0.000	0.320	100.0
2680.0	171.3	171.3	2.000%	794.0	0.000	0.320	100.0
2700.0	171.3	171.3	2.000%	794.0	0.000	0.320	100.0
2720.0	171.3	171.3	2.000%	794.0	0.000	0.320	100.0
2740.0	171.3	171.3	2.000%	794			

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



3040.0	171.3	171.3	2.000%	794.0	0.000	0.320	100.0	5100.0	180.6	180.6	-0.509%	0.0	-31000.000	0.320	100.0	7160.0	182.1	182.1	-0.900%	1494.0	0.000	0.320	100.0
3060.0	171.3	171.3	2.000%	794.0	0.000	0.320	100.0	5120.0	180.8	180.8	-0.574%	0.0	-31000.000	0.320	100.0	7180.0	182.1	182.1	-0.900%	1494.0	0.000	0.320	100.0
3080.0	171.4	171.4	1.998%	794.0	-31000.000	0.320	100.0	5140.0	181.1	181.1	-0.638%	0.0	-31000.000	0.320	100.0	7200.0	182.1	182.1	-0.900%	1494.0	0.000	0.320	100.0
3100.0	171.6	171.6	1.934%	794.0	-31000.000	0.320	100.0	5160.0	181.3	181.3	-0.700%	0.0	0.000	0.320	100.0	7220.0	182.1	182.1	-0.900%	1494.0	0.000	0.320	100.0
3120.0	171.8	171.8	1.869%	794.0	-31000.000	0.320	100.0	5180.0	181.3	181.3	-0.700%	0.0	0.000	0.320	100.0	7240.0	182.1	182.1	-0.900%	1494.0	0.000	0.320	100.0
3140.0	172.0	172.0	1.805%	794.0	-31000.000	0.320	100.0	5200.0	181.3	181.3	-0.700%	0.0	0.000	0.320	100.0	7260.0	182.1	182.1	-0.900%	1494.0	0.000	0.320	100.0
3160.0	172.2	172.2	1.740%	794.0	-31000.000	0.320	100.0	5220.0	181.3	181.3	-0.700%	0.0	0.000	0.320	100.0	7280.0	182.1	182.1	-0.900%	1494.0	0.000	0.320	100.0
3180.0	172.5	172.5	1.676%	794.0	-31000.000	0.320	100.0	5240.0	180.8	180.8	-0.562%	0.0	10000.000	0.320	100.0	7300.0	182.1	182.1	-0.900%	1494.0	0.000	0.320	100.0
3200.0	172.7	172.7	1.611%	794.0	-31000.000	0.320	100.0	5260.0	180.0	180.0	-0.362%	0.0	10000.000	0.320	100.0	7320.0	182.1	182.1	-0.900%	1494.0	0.000	0.320	100.0
3220.0	172.9	172.9	1.547%	794.0	-31000.000	0.320	100.0	5280.0	179.2	179.2	-0.162%	0.0	10000.000	0.320	100.0	7340.0	182.1	182.1	-0.900%	1494.0	0.000	0.320	100.0
3240.0	173.1	173.1	1.482%	794.0	-31000.000	0.320	100.0	5300.0	178.4	178.4	0.038%	0.0	10000.000	0.320	100.0	7360.0	182.1	182.1	-0.900%	1494.0	0.000	0.320	100.0
3260.0	173.4	173.4	1.418%	794.0	-31000.000	0.320	100.0	5320.0	177.7	177.7	0.238%	0.0	10000.000	0.320	100.0	7380.0	182.1	182.1	-0.900%	1494.0	0.000	0.320	100.0
3280.0	173.6	173.6	1.353%	794.0	-31000.000	0.320	100.0	5340.0	176.9	176.9	0.438%	0.0	10000.000	0.320	100.0	7400.0	182.1	182.1	-0.900%	1494.0	0.000	0.320	100.0
3300.0	173.8	173.8	1.289%	794.0	-31000.000	0.320	100.0	5360.0	176.2	176.2	0.638%	0.0	10000.000	0.320	100.0	7420.0	182.1	182.1	-0.900%	1494.0	0.000	0.320	100.0
3320.0	174.1	174.1	1.224%	794.0	-31000.000	0.320	100.0	5380.0	175.4	175.4	0.838%	0.0	10000.000	0.320	100.0	7440.0	182.1	182.1	-0.900%	1678.9	0.000	0.320	100.0
3340.0	174.3	174.3	1.160%	794.0	-31000.000	0.320	100.0	5400.0	174.7	174.7	1.038%	0.0	10000.000	0.320	100.0	7460.0	182.1	182.1	-0.900%	1941.4	0.000	0.320	100.0
3360.0	174.5	174.5	1.100%	794.0	0.000	0.320	100.0	5420.0	174.0	174.0	1.238%	0.0	10000.000	0.320	100.0	7480.0	182.1	182.1	-0.900%	2300.8	0.000	0.320	100.0
3380.0	174.5	174.5	1.100%	794.0	0.000	0.320	100.0	5440.0	173.6	173.6	1.350%	0.0	0.000	0.320	100.0	7500.0	182.1	182.1	-0.900%	2822.8	0.000	0.320	100.0
3400.0	174.5	174.5	1.100%	794.0	0.000	0.320	100.0	5460.0	173.6	173.6	1.350%	0.0	0.000	0.320	100.0	7520.0	182.1	182.1	-0.900%	3650.3	0.000	0.320	100.0
3420.0	174.5	174.5	1.100%	794.0	0.000	0.320	100.0	5480.0	173.6	173.6	1.350%	0.0	0.000	0.320	100.0	7540.0	182.1	182.1	-0.900%	5161.9	0.000	0.320	100.0
3440.0	174.5	174.5	1.100%	794.0	0.000	0.320	100.0	5500.0	173.7	173.7	1.327%	0.0	-31000.000	0.320	100.0	7560.0	182.1	182.1	-0.900%	8804.4	0.000	0.320	100.0
3460.0	174.5	174.5	1.100%	794.0	0.000	0.320	100.0	5520.0	173.9	173.9	1.262%	0.0	-31000.000	0.320	100.0	7580.0	182.1	182.1	-0.900%	29843.0	0.000	0.320	100.0
3480.0	174.5	174.5	1.100%	794.0	0.000	0.320	100.0	5540.0	174.1	174.1	1.198%	0.0	-31000.000	0.320	100.0	7600.0	182.1	182.1	-0.900%	0.0	0.000	0.320	100.0
3500.0	174.5	174.5	1.100%	794.0	0.000	0.320	100.0	5560.0	174.4	174.4	1.133%	0.0	-31000.000	0.320	100.0	7620.0	182.1	182.1	-0.900%	0.0	0.000	0.320	100.0
3520.0	174.5	174.5	1.100%	794.0	0.000	0.320	100.0	5580.0	174.6	174.6	1.069%	0.0	-31000.000	0.320	100.0	7640.0	182.1	182.1	-0.900%	0.0	0.000	0.320	100.0
3540.0	174.5	174.5	1.100%	794.0	0.000	0.320	100.0	5600.0	174.8	174.8	1.004%	0.0	-31000.000	0.320	100.0	7660.0	182.1	182.1	-0.900%	0.0	0.000	0.320	100.0
3560.0	174.5	174.5	1.100%	850.3	0.000	0.320	100.0	5620.0	175.1	175.1	0.940%	0.0	-31000.000	0.320	100.0	7680.0	182.1	182.1	-0.900%	0.0	0.000	0.320	100.0
3580.0	174.5	174.5	1.100%	1089.7	0.000	0.320	100.0	5640.0	175.3	175.3	0.875%	0.0	-31000.000	0.320	100.0	7700.0	182.1	182.1	-0.900%	0.0	0.000	0.320	100.0
3600.0	174.5	174.5	1.100%	1514.8	0.000	0.320	100.0	5660.0	175.5	175.5	0.811%	0.0	-31000.000	0.320	100.0	7720.0	182.1	182.1	-0.900%	0.0	0.000	0.320	100.0
3620.0	174.5	174.5	1.100%	2478.8	0.000	0.320	100.0	5680.0	175.8	175.8	0.746%	0.0	-31000.000	0.320	100.0	7740.0	182.0	182.0	-0.875%	0.0	15000.000	0.320	100.0
3640.0	174.5	174.5	1.100%	6780.5	0.000	0.320	100.0	5700.0	176.0	176.0	0.682%	0.0	-31000.000	0.320	100.0	7760.0	181.5	181.5	-0.742%	0.0	15000.000	0.320	100.0
3660.0	174.5	174.5	1.100%	-11381.9	0.000	0.320	100.0	5720.0	176.3	176.3	0.617%	0.0	-31000.000	0.320	100.0	7780.0	181.0	181.0	-0.608%	0.0	15000.000	0.320	100.0
3680.0	174.5	174.5	1.100%	-3384.1	0.000	0.320	100.0	5740.0	176.5	176.5	0.553%	0.0	-31000.000	0.320	100.0	7800.0	180.4	180.4	-0.475%	0.0	15000.000	0.320	100.0
3700.0	174.5	174.5	1.100%	-1989.6	0.000	0.320	100.0	5760.0	176.7	176.7	0.488%	0.0	-31000.000	0.320	100.0	7820.0	179.9	179.9	-0.342%	0.0	15000.000	0.320	100.0
3720.0	174.5	174.5	1.100%	-1410.0	0.000	0.320	100.0	5780.0	177.0	177.0	0.423%	0.0	-31000.000	0.320	100.0	7840.0	179.4	179.4	-0.208%	0.0	15000.000	0.320	100.0
3740.0	174.5	174.5	1.100%	-1092.5	0.000	0.320	100.0	5800.0	177.2	177.2	0.359%	0.0	-31000.000	0.320	100.0	7860.0	178.9	178.9	-0.075%	0.0	15000.000	0.320	100.0
3760.0	174.5	174.5	1.100%	-906.0	0.000	0.320	100.0	5820.0	177.5	177.5	0.294%	0.0	-31000.000	0.320	100.0	7880.0	178.4	178.4	0.058%	0.0	15000.000	0.320	100.0
3780.0	174.5	174.5	1.100%	-906.0	0.000	0.320	100.0	5840.0	177.7	177.7	0.230%	0.0	-31000.000	0.320	100.0	7900.0	177.9	177.9	0.192%	0.0	15000.000	0.320	100.0
3800.0	174.5	174.5	1.100%	-906.0	0.000	0.320	100.0	5860.0	178.0	178.0	0.165%	0.0	-31000.000	0.320	100.0	7920.0	177.3	177.3	0.325%	0.0	15000.000	0.320	100.0
3820.0	174.5	174.5	1.100%	-906.0	0.000	0.320	100.0	5880.0	178.2	178.2	0.101%	0.0	-31000.000	0.320	100.0	7940.0	176.8	176.8	0.458%	0.0	15000.000	0.320	100.0
3840.0	174.5	174.5	1.100%	-906.0	0.000	0.320	100.0	5900.0	178.4	178.4	0.036%	0.0	-31000.000	0.320	100.0	7960.0	176.4	176.4	0.592%	0.0	15000.000	0.320	100.0
3860.0	174.5	174.5	1.100%	-906.0	0.000	0.320	100.0	5920.0	178.7	178.7	-0.028%	0.0	-31000.000	0.320	100.0	7980.0	175.9	175.9	0.725%	0.0	15000.000	0.320	100.0
3880.0	174.5	174.5	1.100%	-906.0	0.000	0.320	100.0	5940.0	178.9	178.9	-0.093%	0.0	-31000.000	0.320	100.0	8000.0	175.4	175.4	0.858%	0.0	15000.000	0.320	100.0
3900.0	174.5	174.5	1.100%	-906.0	0.000	0.320	100.0	5960.0	179.2	179.2	-0.157%	0.0	-31000.000	0.320	100.0	8020.0	174.9	174.9	0.992%	0.0	15000.000	0.320	100.0
3920.0	174.5	174.5	1.100%	-906.0	0.000	0.320	100.0	5980.0	179.4	179.4	-0.222%	0.0	-31000.000	0.320	100.0	8040.0	174.4	174.4	1.125%	0.0	15000.000	0.320	100.0
3940.0	174.5	174.5	1.100%	-906.0	0.000	0.320	100.0	6000.0	179.7	179.7	-0.286%	0.0	-31000.000	0.320	100.0	8060.0	173.9	173.9	1.258%	0.0	15000.000	0.320	100.0
3960.0	174.5	174.5	1.100%	-906.0	0.000	0.320	100.0	6020.0	180.0	180.0	-0.351%	0.0	-31000.000	0.320	100.0	8080.0	173.5	173.5	1.392%	0.0	15000.000	0.320	100.0
3980.0	174.5	174.5	1.100%	-906.0	0.000	0.320	100.0	6040.															

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



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#####
# ESTUDIO DE VISIBILIDAD
#####
# Estudio de Visibilidad de Parada a lo largo de un eje o
# un tramo de eje.
#####
# ISTRAM(R) V. 9.28 2168
#####
# Tabla de diseño de alzado (.dia): GRUPO-1.dia
# La distancia de parada = (V * Tp/3.6) + (V*V / (254*(F1 + i)))
# Eje: 1 en sentido: Inverso
# Estudio a velocidad fija de 100.0 Km/h
# Eje desde PK: 0.000 hasta PK: 14176.495
# Estudio desde PK: 0.000 hasta PK: 14176.495
# Saltos del observador para estudio cada: 20.00 m
# Se supone la visibilidad en los primeros: 60.00 m
# A partir de ahí se estudia la visibilidad cada: 20.00 m
# Angulo Focos-rasante, en grados: 1.00
# Angulo de tolerancia horizontal, en grados: 45.00
# El ángulo horizontal mide la desviación de la visual entre observador y
# referencia con respecto a la tangente a la trayectoria en el pk de
# estudio.
# El ángulo Focos-rasante mide la desviación de la visual entre observador y
# referencia con respecto a la línea de máxima iluminación de los focos
# del vehículo.
# El estudio se hace entre el punto de vista del observador y el punto de la
# referencia configurados.
# Trayectoria configurada del observador:
# Superficie: 67
# Lado: Derecho
# Código: 1
# Distancia al código: 2.0 m hacia el exterior
# Altura: 1.10 m desde Calzada Pral.
# Trayectoria configurada de la referencia:
# Superficie: 67
# Lado: Derecho
# Código: 1
# Distancia al código: 0.0 m hacia el exterior
# Altura: 0.20 m desde Calzada Pral.
#####
```

PK	D.Disp	D.Nece	i	Radio	Kv	f1	V.Est	V.Red	Obstáculo	Dist.Eje	PKObstáculo
14176.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
14156.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
14136.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
14116.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
14096.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
14076.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
14056.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
14036.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
14016.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13996.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13976.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13956.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13936.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13916.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13896.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13876.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13856.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13836.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13816.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13796.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13776.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13756.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13736.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13716.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13696.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13676.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13656.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13636.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13616.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13596.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13576.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13556.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13536.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13516.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13496.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13476.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13456.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13436.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13416.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13396.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13376.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13356.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13336.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13316.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13296.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13276.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13256.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13236.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13216.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				

13196.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13176.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13156.5	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13136.5	180.5	180.5	-0.500%	-10302.4	0.000	0.320	100.0				
13116.5	180.5	180.5	-0.500%	-3627.4	0.000	0.320	100.0				
13096.5	180.5	180.5	-0.500%	-2199.4	0.000	0.320	100.0				
13076.5	180.5	180.5	-0.500%	-1577.2	0.000	0.320	100.0				
13056.5	180.5	180.5	-0.500%	-1228.8	0.000	0.320	100.0				
13036.5	180.5	180.5	-0.500%	-1006.1	0.000	0.320	100.0				
13016.5	180.5	180.5	-0.500%	-994.0	0.000	0.320	100.0				
12996.5	180.5	180.5	-0.500%	-994.0	0.000	0.320	100.0				
12976.5	180.5	180.5	-0.500%	-994.0	0.000	0.320	100.0				
12956.5	180.5	180.5	-0.500%	-994.0	0.000	0.320	100.0				
12936.5	180.5	180.5	-0.500%	-994.0	0.000	0.320	100.0				
12916.5	180.5	180.5	-0.500%	-994.0	0.000	0.320	100.0				
12896.5	180.5	180.5	-0.500%	-994.0	0.000	0.320	100.0				
12876.5	180.5	180.5	-0.500%	-994.0	0.000	0.320	100.0				
12856.5	180.5	180.5	-0.500%	-994.0	0.000	0.320	100.0				
12836.5	180.5	180.5	-0.500%	-994.0	0.000	0.320	100.0				
12816.5	180.5	180.5	-0.500%	-994.0	0.000	0.320	100.0				
12796.5	180.5	180.5	-0.500%	-994.0	0.000	0.320	100.0				
12776.5	180.4	180.4	-0.458%	-994.0	40000.000	0.320	100.0				
12756.5	180.2	180.2	-0.408%	-994.0	40000.000	0.320	100.0				
12736.5	180.0	180.0	-0.358%	-994.0	40000.000	0.320	100.0				
12716.5	179.8	179.8	-0.308%	-994.0	40000.000	0.320	100.0				
12696.5	179.6	179.6	-0.258%	-994.0	40000.000	0.320	100.0				
12676.5	179.4	179.4	-0.208%	-1111.9	40000.000	0.320	100.0				
12656.5	179.2	179.2	-0.158%	-1390.0	40000.000	0.320	100.0				
12636.5	179.0	179.0	-0.108%	-1852.3	40000.000	0.320	100.0				
12616.5	178.8	178.8	-0.058%	-2772.6	40000.000	0.320	100.0				
12596.5	178.6	178.6	-0.008%	-5498.0	40000.000	0.320	100.0				
12576.5	178.4	178.4	0.042%	-9994.0	40000.000	0.320	100.0				
12556.5	178.2	178.2	0.092%	10006.0	40000.000	0.320	100.0				
12536.5	178.0	178.0	0.142%	10006.0	40000.000	0.320	100.0				
12516.5	177.9	177.9	0.192%	10006.0	40000.000	0.320	100.0				
12496.5	177.7	177.7	0.242%	10006.0	40000.000	0.320	100.0				
12476.5	177.5	177.5	0.292%	10006.0	40000.000	0.320	100.0				
12456.5	177.3	177.3	0.342%	10006.0	40000.000	0.320	100.0				
12436.5	177.1	177.1	0.392%	10006.0	40000.000	0.320	100.0				
12416.5	176.9	176.9	0.442%	10006.0	40000.000	0.320	100.0				
12396.5	176.7	176.7	0.492%	10006.0	40000.000	0.320	100.0				
12376.5	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0				
12356.5	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0				
12336.5	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0				
12316.5	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0				
12296.5	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0				
12276.5	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0				
12256.5	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0				
12236.5	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0				
12216.5	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0				
12196.5	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0				
12176.5	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0				
12156.5	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0				
12136.5	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0				
12116.5	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0				
12096.5	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0				
12076.5	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0				
12056.5	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0				
12036.5	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0				
12016.5	176.7	176.7	0.500%	10006.0	0						

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



9076.5	173.1	173.1	1.500%	3006.0	0.000	0.320	100.0	7016.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4956.5	178.4	178.4	0.047%	0.0	-31000.000	0.320	100.0
9056.5	173.1	173.1	1.500%	3006.0	0.000	0.320	100.0	6996.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4936.5	178.7	178.7	-0.018%	0.0	-31000.000	0.320	100.0
9036.5	173.1	173.1	1.500%	3006.0	0.000	0.320	100.0	6976.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4916.5	178.9	178.9	-0.083%	0.0	-31000.000	0.320	100.0
9016.5	173.1	173.1	1.500%	3006.0	0.000	0.320	100.0	6956.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4896.5	179.2	179.2	-0.147%	0.0	-31000.000	0.320	100.0
8996.5	173.1	173.1	1.500%	3006.0	0.000	0.320	100.0	6936.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4876.5	179.4	179.4	-0.212%	0.0	-31000.000	0.320	100.0
8976.5	173.1	173.1	1.500%	3006.0	0.000	0.320	100.0	6916.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4856.5	179.7	179.7	-0.276%	0.0	-31000.000	0.320	100.0
8956.5	173.5	173.5	1.380%	3006.0	-16000.000	0.320	100.0	6896.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4836.5	179.9	179.9	-0.341%	0.0	-31000.000	0.320	100.0
8936.5	173.9	173.9	1.255%	3006.0	-16000.000	0.320	100.0	6876.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4816.5	180.2	180.2	-0.405%	0.0	-31000.000	0.320	100.0
8916.5	174.4	174.4	1.130%	3006.0	-16000.000	0.320	100.0	6856.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4796.5	180.4	180.4	-0.470%	0.0	-31000.000	0.320	100.0
8896.5	174.8	174.8	1.005%	3006.0	-16000.000	0.320	100.0	6836.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4776.5	180.7	180.7	-0.534%	0.0	-31000.000	0.320	100.0
8876.5	175.3	175.3	0.880%	3006.0	-16000.000	0.320	100.0	6816.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4756.5	180.9	180.9	-0.599%	0.0	-31000.000	0.320	100.0
8856.5	175.8	175.8	0.755%	3006.0	-16000.000	0.320	100.0	6796.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4736.5	181.2	181.2	-0.663%	0.0	-31000.000	0.320	100.0
8836.5	176.2	176.2	0.630%	3006.0	-16000.000	0.320	100.0	6776.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4716.5	181.4	181.4	-0.728%	0.0	-31000.000	0.320	100.0
8816.5	176.7	176.7	0.505%	3006.0	-16000.000	0.320	100.0	6756.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4696.5	181.7	181.7	-0.792%	0.0	-31000.000	0.320	100.0
8796.5	177.1	177.1	0.380%	3006.0	-16000.000	0.320	100.0	6736.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4676.5	182.0	182.0	-0.857%	0.0	-31000.000	0.320	100.0
8776.5	177.6	177.6	0.255%	3006.0	-16000.000	0.320	100.0	6716.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4656.5	182.2	182.2	-0.921%	0.0	-31000.000	0.320	100.0
8756.5	178.1	178.1	0.130%	3006.0	-16000.000	0.320	100.0	6696.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4636.5	182.5	182.5	-0.986%	0.0	-31000.000	0.320	100.0
8736.5	178.6	178.6	0.005%	3006.0	-16000.000	0.320	100.0	6676.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4616.5	182.8	182.8	-1.050%	0.0	-31000.000	0.320	100.0
8716.5	179.1	179.1	-0.120%	3006.0	-16000.000	0.320	100.0	6656.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4596.5	183.0	183.0	-1.110%	0.0	0.000	0.320	100.0
8696.5	179.5	179.5	-0.245%	3006.0	-16000.000	0.320	100.0	6636.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4576.5	183.0	183.0	-1.100%	0.0	0.000	0.320	100.0
8676.5	180.0	180.0	-0.370%	3006.0	-16000.000	0.320	100.0	6616.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4556.5	183.0	183.0	-1.100%	0.0	0.000	0.320	100.0
8656.5	180.5	180.5	-0.495%	3006.0	-16000.000	0.320	100.0	6596.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4536.5	183.0	183.0	-1.100%	0.0	0.000	0.320	100.0
8636.5	181.0	181.0	-0.620%	3006.0	-16000.000	0.320	100.0	6576.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4516.5	183.0	183.0	-1.100%	-9564.9	0.000	0.320	100.0
8616.5	181.5	181.5	-0.745%	3006.0	-16000.000	0.320	100.0	6556.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4496.5	183.0	183.0	-1.100%	-3193.0	0.000	0.320	100.0
8596.5	182.0	182.0	-0.870%	3006.0	-16000.000	0.320	100.0	6536.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4476.5	183.0	183.0	-1.100%	-1914.4	0.000	0.320	100.0
8576.5	182.5	182.5	-0.995%	3006.0	-16000.000	0.320	100.0	6516.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4456.5	183.0	183.0	-1.100%	-1366.1	0.000	0.320	100.0
8556.5	183.1	183.1	-1.120%	3006.0	-16000.000	0.320	100.0	6496.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4436.5	183.0	183.0	-1.100%	-1061.3	0.000	0.320	100.0
8536.5	183.6	183.6	-1.245%	3006.0	-16000.000	0.320	100.0	6476.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4416.5	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0
8516.5	184.1	184.1	-1.370%	3006.0	-16000.000	0.320	100.0	6456.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4396.5	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0
8496.5	184.6	184.6	-1.495%	3032.4	-16000.000	0.320	100.0	6436.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4376.5	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0
8476.5	185.1	185.1	-1.620%	3227.4	-16000.000	0.320	100.0	6416.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4356.5	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0
8456.5	185.7	185.7	-1.745%	3449.3	-16000.000	0.320	100.0	6396.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4336.5	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0
8436.5	186.2	186.2	-1.870%	3703.9	-16000.000	0.320	100.0	6376.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4316.5	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0
8416.5	186.8	186.8	-1.995%	3999.3	-16000.000	0.320	100.0	6356.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4296.5	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0
8396.5	187.3	187.3	-2.120%	4345.9	-16000.000	0.320	100.0	6336.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4276.5	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0
8376.5	187.9	187.9	-2.245%	4758.4	-16000.000	0.320	100.0	6316.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4256.5	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0
8356.5	188.4	188.4	-2.370%	5257.5	-16000.000	0.320	100.0	6296.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4236.5	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0
8336.5	189.0	189.0	-2.495%	5873.8	-16000.000	0.320	100.0	6276.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4216.5	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0
8316.5	189.0	189.0	-2.500%	6654.0	0.000	0.320	100.0	6256.5	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0	4196.5	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0
8296.5	189.0	189.0	-2.500%	7673.4	0.000	0.320	100.0	6236.5	175.2	175.2	0.900%	1572.6	0.000	0.320	100.0	4176.5	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0
8276.5	189.0	189.0	-2.500%	9062.2	0.000	0.320	100.0	6216.5	175.2	175.2	0.900%	1797.1	0.000	0.320	100.0	4156.5	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0
8256.5	189.0	189.0	-2.500%	11065.3	0.000	0.320	100.0	6196.5	175.2	175.2	0.900%	2096.7	0.000	0.320	100.0	4136.5	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0
8236.5	188.7	188.7	-2.435%	14206.1	15000.000	0.320	100.0	6176.5	175.4	175.4	0.856%	2516.6	-31000.000	0.320	100.0	4116.5	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0
8216.5	188.1	188.1	-2.302%	19838.6	15000.000	0.320	100.0	6156.5	175.6	175.6	0.791%	3147.5	-31000.000	0.320	100.0	4096.5	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0
8196.5	187.5	187.5	-2.168%	32877.0	15000.000	0.320	100.0	6136.5	175.9	175.9	0.727%	4202.1	-31000.000	0.320	100.0	4076.5	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0
8176.5	186.9	186.9	-2.035%	95957.2	15000.000	0.320	100.0	6116.5	176.1	176.1	0.662%	6322.5	-31000.000	0.320	100.0	4056.5	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0
8156.5	186.4	186.4	-1.902%	0.0	15000.000	0.320	100.0	6096.5	176.3	176.3	0.597%	12774.7	-31000.000	0.320	100.0	4036.5	183.0	183.0	-1.100%	-894.0			

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Actualización 2016

Actualización 2019:



PK	D.Disp	D.Nece	i	Radio	Kv	f1	V.Est	V.Red	Obstáculo	Dist.Eje	PKObstáculo
2896.5	186.8	186.8	-2.000%	806.0	0.000	0.320	100.0				
2876.5	186.8	186.8	-2.000%	806.0	0.000	0.320	100.0				
2856.5	186.8	186.8	-2.000%	806.0	0.000	0.320	100.0				
2836.5	186.8	186.8	-2.000%	806.0	0.000	0.320	100.0				
2816.5	186.8	186.8	-2.000%	806.0	0.000	0.320	100.0				
2796.5	186.8	186.8	-2.000%	806.0	0.000	0.320	100.0				
2776.5	186.8	186.8	-2.000%	806.0	0.000	0.320	100.0				
2756.5	186.8	186.8	-2.000%	806.0	0.000	0.320	100.0				
2736.5	186.8	186.8	-2.000%	806.0	0.000	0.320	100.0				
2716.5	186.8	186.8	-2.000%	806.0	0.000	0.320	100.0				
2696.5	186.8	186.8	-2.000%	806.0	0.000	0.320	100.0				
2676.5	186.8	186.8	-2.000%	806.0	0.000	0.320	100.0				
2656.5	186.8	186.8	-2.000%	806.0	0.000	0.320	100.0				
2636.5	186.8	186.8	-2.000%	806.0	0.000	0.320	100.0				
2616.5	186.8	186.8	-2.000%	806.0	0.000	0.320	100.0				
2596.5	186.8	186.8	-2.000%	806.0	0.000	0.320	100.0				
2576.5	186.8	186.8	-2.000%	806.0	0.000	0.320	100.0				
2556.5	186.8	186.8	-2.000%	806.0	0.000	0.320	100.0				
2536.5	186.8	186.8	-2.000%	806.0	0.000	0.320	100.0				
2516.5	186.8	186.8	-2.000%	806.0	0.000	0.320	100.0				
2496.5	186.8	186.8	-2.000%	806.0	0.000	0.320	100.0				
2476.5	186.8	186.8	-2.000%	1312.6	0.000	0.320	100.0				
2456.5	186.8	186.8	-2.000%	1966.0	0.000	0.320	100.0				
2436.5	186.8	186.8	-2.000%	3925.8	0.000	0.320	100.0				
2416.5	186.8	186.8	-2.000%	100006.0	0.000	0.320	100.0				
2396.5	186.8	186.8	-2.000%	-5605.5	0.000	0.320	100.0				
2376.5	186.8	186.8	-2.000%	-2799.7	0.000	0.320	100.0				
2356.5	186.8	186.8	-2.000%	-1864.4	0.000	0.320	100.0				
2336.5	186.8	186.8	-2.000%	-1396.8	0.000	0.320	100.0				
2316.5	186.8	186.8	-2.000%	-1116.3	0.000	0.320	100.0				
2296.5	186.8	186.8	-2.000%	-994.0	0.000	0.320	100.0				
2276.5	186.8	186.8	-2.000%	-994.0	0.000	0.320	100.0				
2256.5	186.8	186.8	-2.000%	-994.0	0.000	0.320	100.0				
2236.5	186.8	186.8	-2.000%	-994.0	0.000	0.320	100.0				
2216.5	186.8	186.8	-2.000%	-994.0	0.000	0.320	100.0				
2196.5	186.8	186.8	-2.000%	-994.0	0.000	0.320	100.0				
2176.5	186.8	186.8	-2.000%	-994.0	0.000	0.320	100.0				
2156.5	186.8	186.8	-2.000%	-994.0	0.000	0.320	100.0				
2136.5	186.8	186.8	-2.000%	-994.0	0.000	0.320	100.0				
2116.5	186.8	186.8	-2.000%	-994.0	0.000	0.320	100.0				
2096.5	186.5	186.5	-1.927%	-994.0	20000.000	0.320	100.0				
2076.5	186.0	186.0	-1.827%	-994.0	20000.000	0.320	100.0				
2056.5	185.6	185.6	-1.727%	-994.0	20000.000	0.320	100.0				
2036.5	185.2	185.2	-1.627%	-994.0	20000.000	0.320	100.0				
2016.5	184.8	184.8	-1.527%	-994.0	20000.000	0.320	100.0				
1996.5	184.3	184.3	-1.427%	-994.0	20000.000	0.320	100.0				
1976.5	183.9	183.9	-1.327%	-994.0	20000.000	0.320	100.0				
1956.5	183.5	183.5	-1.227%	-994.0	20000.000	0.320	100.0				
1936.5	183.1	183.1	-1.127%	-994.0	20000.000	0.320	100.0				
1916.5	182.7	182.7	-1.027%	-994.0	20000.000	0.320	100.0				
1896.5	182.3	182.3	-0.927%	-994.0	20000.000	0.320	100.0				
1876.5	181.8	181.8	-0.827%	-994.0	20000.000	0.320	100.0				
1856.5	181.4	181.4	-0.727%	-994.0	20000.000	0.320	100.0				
1836.5	181.0	181.0	-0.627%	-994.0	20000.000	0.320	100.0				
1816.5	180.6	180.6	-0.527%	-994.0	20000.000	0.320	100.0				
1796.5	180.2	180.2	-0.427%	-994.0	20000.000	0.320	100.0				
1776.5	179.9	179.9	-0.327%	-994.0	20000.000	0.320	100.0				
1756.5	179.5	179.5	-0.227%	-994.0	20000.000	0.320	100.0				
1736.5	179.1	179.1	-0.127%	-994.0	20000.000	0.320	100.0				
1716.5	178.7	178.7	-0.027%	-994.0	20000.000	0.320	100.0				
1696.5	178.3	178.3	0.073%	-994.0	20000.000	0.320	100.0				
1676.5	177.9	177.9	0.173%	-994.0	20000.000	0.320	100.0				
1656.5	177.5	177.5	0.273%	-994.0	20000.000	0.320	100.0				
1636.5	177.2	177.2	0.373%	-994.0	20000.000	0.320	100.0				
1616.5	176.8	176.8	0.473%	-994.0	20000.000	0.320	100.0				
1596.5	176.7	176.7	0.500%	-994.0	0.000	0.320	100.0				
1576.5	176.7	176.7	0.500%	-994.0	0.000	0.320	100.0				
1556.5	176.7	176.7	0.500%	-994.0	0.000	0.320	100.0				
1536.5	176.7	176.7	0.500%	-994.0	0.000	0.320	100.0				
1516.5	176.7	176.7	0.500%	-994.0	0.000	0.320	100.0				
1496.5	176.7	176.7	0.500%	-994.0	0.000	0.320	100.0				
1476.5	176.7	176.7	0.500%	-994.0	0.000	0.320	100.0				
1456.5	176.7	176.7	0.500%	-994.0	0.000	0.320	100.0				
1436.5	176.7	176.7	0.500%	-994.0	0.000	0.320	100.0				
1416.5	176.7	176.7	0.500%	-994.0	0.000	0.320	100.0				
1396.5	176.7	176.7	0.500%	-994.0	0.000	0.320	100.0				
1376.5	176.7	176.7	0.500%	-994.0	0.000	0.320	100.0				
1356.5	176.7	176.7	0.500%	-994.0	0.000	0.320	100.0				
1336.5	176.7	176.7	0.500%	-994.0	0.000	0.320	100.0				
1316.5	176.7	176.7	0.500%	-994.0	0.000	0.320	100.0				
1296.5	176.7	176.7	0.500%	-994.0	0.000	0.320	100.0				
1276.5	176.7	176.7	0.500%	-994.0	0.000	0.320	100.0				
1256.5	176.7	176.7	0.500%	-994.0	0.000	0.320	100.0				
1236.5	176.7	176.7	0.500%	-994.0	0.000	0.320	100.0				
1216.5	176.7	176.7	0.500%	-994.0	0.000	0.320	100.0				
1196.5	176.7	176.7	0.500%	-994.0	0.000	0.320	100.0				
1176.5	176.7	176.7	0.500%	-994.0	0.000	0.320	100.0				
1156.5	176.7	176.7	0.500%	-994.0	0.000	0.320	100.0				
1136.5	176.7	176.7	0.500%	-994.0	0.000	0.320	100.0				
1116.5	176.7	176.7	0.500%	-994.0	0.000	0.320	100.0				
1096.5	176.7	176.7	0.500%	-994.0	0.000	0.320	100.0				
1076.5	176.7	176.7	0.500%	-994.0	0.000	0.320	100.0				
1056.5	176.7	176.7	0.500%	-994.0	0.000	0.320	100.0				
1036.5	176.7	176.7	0.500%	-994.0	0.000	0.320	100.0				
1016.5	176.7	176.7	0.500%	-994.0	0.000	0.320	100.0				
996.5	176.7	176.7	0.500%	-994.0	0.000	0.320	100.0				
976.5	176.7	176.7	0.500%	-1006.2	0.000	0.320	100.0				
956.5	176.7	176.7	0.500%	-1229.0	0.000	0.320	100.0				
936.5	176.7	176.7	0.500%	-1577.5	0.000	0.320	100.0				
916.5	176.7	176.7	0.500%	-2200.1	0.000	0.320	100.0				
896.5	176.7	176.7	0.500%	-3629.4	0.000	0.320	100.0				
876.5	176.7	176.7	0.500%	-10318.0	0.000	0.320	100.0				
856.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
836.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
816.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
796.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
776.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
756.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
736.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
716.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
696.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
676.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
656.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
636.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
616.5	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
596.5	176.7	176.7	0.500%	0.0							

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Actualización 2016

Actualización 2019:



7160.0	184.6	184.6	-1.500%	6194.3	0.000	0.320	100.0	9220.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0	11280.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0
7180.0	184.6	184.6	-1.500%	4850.9	0.000	0.320	100.0	9240.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0	11300.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0
7200.0	184.6	184.6	-1.500%	3985.7	0.000	0.320	100.0	9260.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0	11320.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0
7220.0	184.6	184.6	-1.500%	3382.0	0.000	0.320	100.0	9280.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0	11340.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0
7240.0	183.9	183.9	-1.321%	2936.8	10000.000	0.320	100.0	9300.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0	11360.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0
7260.0	183.1	183.1	-1.121%	2594.9	10000.000	0.320	100.0	9320.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0	11380.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0
7280.0	182.2	182.2	-0.921%	2324.2	10000.000	0.320	100.0	9340.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0	11400.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0
7300.0	181.4	181.4	-0.721%	2104.4	10000.000	0.320	100.0	9360.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0	11420.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0
7320.0	180.6	180.6	-0.521%	1990.5	10000.000	0.320	100.0	9380.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0	11440.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0
7340.0	179.8	179.8	-0.321%	1990.5	10000.000	0.320	100.0	9400.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0	11460.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0
7360.0	179.1	179.1	-0.121%	1990.5	10000.000	0.320	100.0	9420.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0	11480.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0
7380.0	178.3	178.3	0.079%	1990.5	10000.000	0.320	100.0	9440.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0	11500.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0
7400.0	177.5	177.5	0.279%	1990.5	10000.000	0.320	100.0	9460.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0	11520.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0
7420.0	176.8	176.8	0.479%	1990.5	10000.000	0.320	100.0	9480.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0	11540.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0
7440.0	176.0	176.0	0.679%	1990.5	10000.000	0.320	100.0	9500.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0	11560.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0
7460.0	175.3	175.3	0.879%	1990.5	10000.000	0.320	100.0	9520.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0	11580.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0
7480.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9540.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0	11600.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0
7500.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9560.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0	11620.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0
7520.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9580.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0	11640.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0
7540.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9600.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0	11660.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0
7560.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9620.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0	11680.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0
7580.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9640.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0	11700.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0
7600.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9660.0	184.8	184.8	-1.539%	1990.5	-31000.000	0.320	100.0	11720.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0
7620.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9680.0	185.1	185.1	-1.604%	1990.5	-31000.000	0.320	100.0	11740.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0
7640.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9700.0	185.4	185.4	-1.668%	1990.5	-31000.000	0.320	100.0	11760.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0
7660.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9720.0	185.6	185.6	-1.733%	1990.5	-31000.000	0.320	100.0	11780.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0
7680.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9740.0	185.9	185.9	-1.797%	1990.5	-31000.000	0.320	100.0	11800.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0
7700.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9760.0	186.2	186.2	-1.862%	1990.5	-31000.000	0.320	100.0	11820.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0
7720.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9780.0	186.5	186.5	-1.926%	2181.3	-31000.000	0.320	100.0	11840.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0
7740.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9800.0	186.7	186.7	-1.991%	2418.2	-31000.000	0.320	100.0	11860.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0
7760.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9820.0	187.0	187.0	-2.056%	2712.6	-31000.000	0.320	100.0	11880.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0
7780.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9840.0	187.3	187.3	-2.120%	3088.4	-31000.000	0.320	100.0	11900.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0
7800.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9860.0	187.6	187.6	-2.185%	3584.4	-31000.000	0.320	100.0	11920.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0
7820.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9880.0	187.9	187.9	-2.249%	4269.5	-31000.000	0.320	100.0	11940.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0
7840.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9900.0	188.2	188.2	-2.314%	5277.5	-31000.000	0.320	100.0	11960.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0
7860.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9920.0	188.5	188.5	-2.378%	6906.6	-31000.000	0.320	100.0	11980.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0
7880.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9940.0	188.8	188.8	-2.443%	9986.8	-31000.000	0.320	100.0	12000.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0
7900.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9960.0	189.0	189.0	-2.507%	18013.9	-31000.000	0.320	100.0	12020.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0
7920.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9980.0	189.3	189.3	-2.572%	91481.8	-31000.000	0.320	100.0	12040.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0
7940.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	10000.0	189.6	189.6	-2.636%	-10009.5	-31000.000	0.320	100.0	12060.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0
7960.0	175.0	175.0	0.970%	1990.5	-31000.000	0.320	100.0	10020.0	189.9	189.9	-2.701%	-10009.5	-31000.000	0.320	100.0	12080.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0
7980.0	175.2	175.2	0.905%	1990.5	-31000.000	0.320	100.0	10040.0	190.2	190.2	-2.765%	-10009.5	-31000.000	0.320	100.0	12100.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0
8000.0	175.4	175.4	0.841%	1990.5	-31000.000	0.320	100.0	10060.0	190.5	190.5	-2.830%	-10009.5	-31000.000	0.320	100.0	12120.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0
8020.0	175.7	175.7	0.776%	1990.5	-31000.000	0.320	100.0	10080.0	190.8	190.8	-2.894%	-10009.5	-31000.000	0.320	100.0	12140.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0
8040.0	175.9	175.9	0.712%	1990.5	-31000.000	0.320	100.0	10100.0	191.1	191.1	-2.959%	-10009.5	-31000.000	0.320	100.0	12160.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0
8060.0	176.1	176.1	0.647%	1990.5	-31000.000	0.320	100.0	10120.0	191.3	191.3	-3.000%	-10009.5	0.000	0.320	100.0	12180.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0
8080.0	176.4	176.4	0.583%	1990.5	-31000.000	0.320	100.0	10140.0	191.3	191.3	-3.000%	-10009.5	0.000	0.320	100.0								



13340.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13360.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13380.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13400.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13420.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13440.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13460.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13480.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13500.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13520.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13540.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13560.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13580.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13600.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13620.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13640.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13660.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13680.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13700.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13720.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13740.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13760.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13780.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13800.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13820.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13840.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13860.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13880.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13900.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13920.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13940.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0

```
#####
# ESTUDIO DE VISIBILIDAD #
#####
# Estudio de Visibilidad de Parada a lo largo de un eje o #
# un tramo de eje. #
#####
# ISTRAM(R) V. 9.28 2168 #
#####
# Tabla de diseño de alzado (.dia): GRUPO-1.dia #
# La distancia de parada = (V * Tp/3.6) + (V*V / (254*(F1 + i))) #
# #
# Eje: 2 en sentido: Inverso #
# Estudio a velocidad fija de 100.0 Km/h #
# Eje desde PK: 0.000 hasta PK: 13979.673 #
# Estudio desde PK: 0.000 hasta PK: 13979.673 #
# #
# Saltos del observador para estudio cada: 20.00 m #
# Se supone la visibilidad en los primeros: 60.00 m #
# A partir de ahí se estudia la visibilidad cada: 20.00 m #
# #
# Angulo Focos-rasante, en grados: 1.00 #
# Angulo de tolerancia horizontal, en grados: 45.00 #
# #
# El ángulo horizontal mide la desviación de la visual entre observador y #
# referencia con respecto a la tangente a la trayectoria en el pk de #
# estudio. #
# El ángulo Focos-rasante mide la desviación de la visual entre observador y #
# referencia con respecto a la línea de máxima iluminación de los focos #
# del vehículo. #
# #
# El estudio se hace entre el punto de vista del observador y el punto de la #
# referencia configurados. #
# #
# Trayectoria configurada del observador: #
# Superficie: 67 #
# Lado: Derecho #
# Código: 1 #
# Distancia al código: 5.5 m hacia el exterior #
# Altura: 1.10 m desde Calzada Pral. #
# #
# Trayectoria configurada de la referencia: #
# Superficie: 67 #
# Lado: Derecho #
# Código: 1 #
# Distancia al código: 0.0 m hacia el exterior #
# Altura: 0.20 m desde Calzada Pral. #
#####
```

12999.7	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0
12979.7	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0
12959.7	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0
12939.7	180.5	180.5	-0.500%	-10298.9	0.000	0.320	100.0
12919.7	180.5	180.5	-0.500%	-3623.9	0.000	0.320	100.0
12899.7	180.5	180.5	-0.500%	-2195.9	0.000	0.320	100.0
12879.7	180.5	180.5	-0.500%	-1573.7	0.000	0.320	100.0
12859.7	180.5	180.5	-0.500%	-1225.3	0.000	0.320	100.0
12839.7	180.5	180.5	-0.500%	-1002.6	0.000	0.320	100.0
12819.7	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0
12799.7	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0
12779.7	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0
12759.7	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0
12739.7	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0
12719.7	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0
12699.7	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0
12679.7	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0
12659.7	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0
12639.7	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0
12619.7	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0
12599.7	180.5	180.5	-0.487%	-990.5	40000.000	0.320	100.0
12579.7	180.3	180.3	-0.437%	-990.5	40000.000	0.320	100.0
12559.7	180.1	180.1	-0.387%	-990.5	40000.000	0.320	100.0
12539.7	179.9	179.9	-0.337%	-990.5	40000.000	0.320	100.0
12519.7	179.7	179.7	-0.287%	-990.5	40000.000	0.320	100.0
12499.7	179.5	179.5	-0.237%	-990.5	40000.000	0.320	100.0
12479.7	179.3	179.3	-0.187%	-1101.4	40000.000	0.320	100.0
12459.7	179.1	179.1	-0.137%	-1375.6	40000.000	0.320	100.0
12439.7	178.9	178.9	-0.087%	-1829.6	40000.000	0.320	100.0
12419.7	178.7	178.7	-0.037%	-2726.3	40000.000	0.320	100.0
12399.7	178.5	178.5	0.013%	-5329.1	40000.000	0.320	100.0
12379.7	178.3	178.3	0.063%	-9990.5	40000.000	0.320	100.0
12359.7	178.2	178.2	0.113%	10009.5	40000.000	0.320	100.0
12339.7	178.0	178.0	0.163%	10009.5	40000.000	0.320	100.0
12319.7	177.8	177.8	0.213%	10009.5	40000.000	0.320	100.0
12299.7	177.6	177.6	0.263%	10009.5	40000.000	0.320	100.0
12279.7	177.4	177.4	0.313%	10009.5	40000.000	0.320	100.0
12259.7	177.2	177.2	0.363%	10009.5	40000.000	0.320	100.0
12239.7	177.0	177.0	0.413%	10009.5	40000.000	0.320	100.0
12219.7	176.8	176.8	0.463%	10009.5	40000.000	0.320	100.0
12199.7	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0
12179.7	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0
12159.7	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0
12139.7	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0
12119.7	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0
12099.7	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0
12079.7	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0
12059.7	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0
12039.7	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0
12019.7	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0
11999.7	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0
11979.7	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0
11959.7	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0
11939.7	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0
11919.7	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0
11899.7	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0
11879.7	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0
11859.7	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0
11839.7	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0
11819.7	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0
11799.7	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0
11779.7	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0
11759.7	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0
11739.7	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0
11719.7	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0
11699.7	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0
11679.7	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0
11659.7	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0
11639.7	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0
11619.7	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0
11599.7	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0
11579.7	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0
11559.7	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0
11539.7	176.7	176.7	0.500%	-9990.5	0.000	0.320	100.0
11519.7	176.7	176.7	0.500%	-9990.5	0.000	0.320	100.0
11499.7	176.7	176.7	0.500%	-9990.5	0.000	0.320	100.0
11479.7	176.7	176.7	0.500%	-9990.5	0.000	0.320	100.0
11459.7	176.7	176.7	0.500%	-9990.5	0.000	0.320	100.0
11439.7	176.7	176.7	0.500%	-9990.5	0.000	0.320	100.0
11419.7	176.7	176.7	0.500%	-9990.5	0.000	0.320	100.0
11399.7	176.7	176.7	0.500%	-9990.5	0.000	0.320	100.0
11379.7	176.7	176.7	0.500%	-9990.5	0.000	0.320	100.0
11359.7	176.7	176.7	0.500%	-9990.5	0.000	0.320	100.0
11339.7	176.7	176.7	0.500%	-9990.5	0.000	0.320	100.0
11319.7	176.7	176.7	0.500%	-9990.5	0.000	0.320	100.0
11299.7	176.7	176.7	0.500%	-9990.5	0.000	0.320	100.0
11279.7	176.7	176.7	0.500%	-9990.5	0.000	0.320	100.0
11259.7	176.7	176.7	0.500%	-9990.5	0.000	0.320	100.0
11239.7	176.7	176.7	0.500%	-9990.5	0.000	0.320	100.0
11219.7	177.1	177.1	0.396%	-9990.5	-16000.000	0.320	100.0
11199.7	177.6	177.6	0.271%	-9990.5	-16000.000	0.320	100.0
11179.7	178.0	178.0	0.146%	-9990.5	-16000.000	0.320	100.0
11159.7	178.5	178.5	0.021%	-9990.5	-16000.000	0.320	100.0
11139.7	179.0	179.0	-0.104%	-9990.5	-16000.000	0.320	100.0
11119.7	179.5	179.5	-0.229%	-9990.5	-16000.000	0.320	100.0
11099.7	180.0	180.0	-0.354%	-9990.5	-16000.000	0.320	100.0
11079.7	180.5	180.5	-0.479%	-9990.5	-16000.000	0.320	100.0

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B

Proyecto original:



Actualización 2016

Actualización 2019:



10939.7	184.0	184.0	-1.354%	-9990.5	-16000.000	0.320	100.0	8879.7	173.1	173.1	1.500%	2009.5	0.000	0.320	100.0	6819.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0
10919.7	184.5	184.5	-1.479%	-9990.5	-16000.000	0.320	100.0	8859.7	173.1	173.1	1.500%	2009.5	0.000	0.320	100.0	6799.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0
10899.7	185.1	185.1	-1.604%	-9990.5	-16000.000	0.320	100.0	8839.7	173.1	173.1	1.500%	2009.5	0.000	0.320	100.0	6779.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0
10879.7	185.6	185.6	-1.729%	-9990.5	-16000.000	0.320	100.0	8819.7	173.1	173.1	1.500%	2009.5	0.000	0.320	100.0	6759.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0
10859.7	186.2	186.2	-1.854%	-9990.5	-16000.000	0.320	100.0	8799.7	173.1	173.1	1.500%	2009.5	0.000	0.320	100.0	6739.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0
10839.7	186.7	186.7	-1.979%	-9990.5	-16000.000	0.320	100.0	8779.7	173.1	173.1	1.500%	2009.5	0.000	0.320	100.0	6719.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0
10819.7	186.8	186.8	-2.000%	-9990.5	0.000	0.320	100.0	8759.7	173.1	173.1	1.500%	2009.5	0.000	0.320	100.0	6699.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0
10799.7	186.8	186.8	-2.000%	-9990.5	0.000	0.320	100.0	8739.7	173.1	173.1	1.500%	2009.5	0.000	0.320	100.0	6679.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0
10779.7	186.8	186.8	-2.000%	-9990.5	0.000	0.320	100.0	8719.7	173.1	173.1	1.481%	2009.5	-31000.000	0.320	100.0	6659.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0
10759.7	186.8	186.8	-2.000%	-9990.5	0.000	0.320	100.0	8699.7	173.4	173.4	1.416%	2009.5	-31000.000	0.320	100.0	6639.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0
10739.7	186.8	186.8	-2.000%	-9990.5	0.000	0.320	100.0	8679.7	173.6	173.6	1.352%	2009.5	-31000.000	0.320	100.0	6619.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0
10719.7	186.8	186.8	-2.000%	-9990.5	0.000	0.320	100.0	8659.7	173.8	173.8	1.287%	2009.5	-31000.000	0.320	100.0	6599.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0
10699.7	186.8	186.8	-2.000%	-9990.5	0.000	0.320	100.0	8639.7	174.1	174.1	1.223%	2009.5	-31000.000	0.320	100.0	6579.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0
10679.7	186.8	186.8	-2.000%	-9990.5	0.000	0.320	100.0	8619.7	174.3	174.3	1.158%	2009.5	-31000.000	0.320	100.0	6559.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0
10659.7	186.7	186.7	-1.974%	-9990.5	10000.000	0.320	100.0	8599.7	174.5	174.5	1.094%	2009.5	-31000.000	0.320	100.0	6539.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0
10639.7	185.8	185.8	-1.774%	-9990.5	10000.000	0.320	100.0	8579.7	174.8	174.8	1.029%	2009.5	-31000.000	0.320	100.0	6519.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0
10619.7	185.0	185.0	-1.574%	-9990.5	10000.000	0.320	100.0	8559.7	175.0	175.0	0.965%	2009.5	-31000.000	0.320	100.0	6499.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0
10599.7	184.1	184.1	-1.374%	-9990.5	10000.000	0.320	100.0	8539.7	175.2	175.2	0.900%	2009.5	-31000.000	0.320	100.0	6479.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0
10579.7	183.3	183.3	-1.174%	-9990.5	10000.000	0.320	100.0	8519.7	175.5	175.5	0.836%	2009.5	-31000.000	0.320	100.0	6459.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0
10559.7	182.4	182.4	-0.974%	-9990.5	10000.000	0.320	100.0	8499.7	175.7	175.7	0.771%	2009.5	-31000.000	0.320	100.0	6439.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0
10539.7	181.6	181.6	-0.774%	-9990.5	10000.000	0.320	100.0	8479.7	175.9	175.9	0.707%	2009.5	-31000.000	0.320	100.0	6419.7	173.0	173.0	1.532%	0.0	17000.000	0.320	100.0
10519.7	180.8	180.8	-0.574%	-9990.5	10000.000	0.320	100.0	8459.7	176.2	176.2	0.642%	2009.5	-31000.000	0.320	100.0	6399.7	172.6	172.6	1.650%	0.0	17000.000	0.320	100.0
10499.7	180.0	180.0	-0.374%	-9990.5	10000.000	0.320	100.0	8439.7	176.4	176.4	0.578%	2009.5	-31000.000	0.320	100.0	6379.7	172.1	172.1	1.767%	0.0	17000.000	0.320	100.0
10479.7	179.3	179.3	-0.174%	-9990.5	10000.000	0.320	100.0	8419.7	176.6	176.6	0.513%	2009.5	-31000.000	0.320	100.0	6359.7	171.7	171.7	1.885%	0.0	17000.000	0.320	100.0
10459.7	178.5	178.5	0.026%	-9990.5	10000.000	0.320	100.0	8399.7	176.9	176.9	0.449%	2009.5	-31000.000	0.320	100.0	6339.7	171.3	171.3	2.003%	0.0	17000.000	0.320	100.0
10439.7	177.7	177.7	0.226%	-9990.5	10000.000	0.320	100.0	8379.7	177.1	177.1	0.384%	2009.5	-31000.000	0.320	100.0	6319.7	170.9	170.9	2.120%	0.0	17000.000	0.320	100.0
10419.7	177.0	177.0	0.426%	-9990.5	10000.000	0.320	100.0	8359.7	177.4	177.4	0.320%	2009.5	-31000.000	0.320	100.0	6299.7	170.5	170.5	2.238%	0.0	17000.000	0.320	100.0
10399.7	176.2	176.2	0.626%	-9990.5	10000.000	0.320	100.0	8339.7	177.6	177.6	0.255%	2009.5	-31000.000	0.320	100.0	6279.7	170.2	170.2	2.356%	0.0	17000.000	0.320	100.0
10379.7	175.5	175.5	0.826%	-9990.5	10000.000	0.320	100.0	8319.7	177.9	177.9	0.191%	2009.5	-31000.000	0.320	100.0	6259.7	169.8	169.8	2.473%	0.0	17000.000	0.320	100.0
10359.7	174.8	174.8	1.026%	-9990.5	10000.000	0.320	100.0	8299.7	178.1	178.1	0.126%	2009.5	-31000.000	0.320	100.0	6239.7	169.8	169.8	2.467%	0.0	-22000.000	0.320	100.0
10339.7	174.0	174.0	1.226%	-9990.5	10000.000	0.320	100.0	8279.7	178.4	178.4	0.061%	2009.5	-31000.000	0.320	100.0	6219.7	170.1	170.1	2.376%	0.0	-22000.000	0.320	100.0
10319.7	173.3	173.3	1.426%	-9990.5	10000.000	0.320	100.0	8259.7	178.6	178.6	-0.006%	2009.5	-31000.000	0.320	100.0	6199.7	170.4	170.4	2.285%	0.0	-22000.000	0.320	100.0
10299.7	172.6	172.6	1.626%	-9990.5	10000.000	0.320	100.0	8239.7	178.8	178.8	-0.068%	2009.5	-31000.000	0.320	100.0	6179.7	170.7	170.7	2.194%	0.0	-22000.000	0.320	100.0
10279.7	171.9	171.9	1.826%	-9990.5	10000.000	0.320	100.0	8219.7	179.1	179.1	-0.132%	2009.5	-31000.000	0.320	100.0	6159.7	171.0	171.0	2.103%	0.0	-22000.000	0.320	100.0
10259.7	171.3	171.3	2.026%	-9990.5	10000.000	0.320	100.0	8199.7	179.3	179.3	-0.197%	2009.5	-31000.000	0.320	100.0	6139.7	171.3	171.3	2.012%	0.0	-22000.000	0.320	100.0
10239.7	170.6	170.6	2.226%	-9990.5	10000.000	0.320	100.0	8179.7	179.6	179.6	-0.261%	2009.5	-31000.000	0.320	100.0	6119.7	171.6	171.6	1.921%	0.0	-22000.000	0.320	100.0
10219.7	169.9	169.9	2.426%	-9990.5	10000.000	0.320	100.0	8159.7	179.9	179.9	-0.326%	2009.5	-31000.000	0.320	100.0	6099.7	171.9	171.9	1.830%	0.0	-22000.000	0.320	100.0
10199.7	169.3	169.3	2.626%	-9990.5	10000.000	0.320	100.0	8139.7	180.1	180.1	-0.390%	2009.5	-31000.000	0.320	100.0	6079.7	172.2	172.2	1.739%	0.0	-22000.000	0.320	100.0
10179.7	168.6	168.6	2.826%	-9990.5	10000.000	0.320	100.0	8119.7	180.4	180.4	-0.455%	2009.5	-31000.000	0.320	100.0	6059.7	172.6	172.6	1.649%	0.0	-22000.000	0.320	100.0
10159.7	168.0	168.0	3.000%	-9990.5	0.000	0.320	100.0	8099.7	180.6	180.6	-0.519%	2009.5	-31000.000	0.320	100.0	6039.7	172.9	172.9	1.558%	0.0	-22000.000	0.320	100.0
10139.7	168.0	168.0	3.000%	-9990.5	0.000	0.320	100.0	8079.7	180.9	180.9	-0.584%	2009.5	-31000.000	0.320	100.0	6019.7	173.2	173.2	1.467%	0.0	-22000.000	0.320	100.0
10119.7	168.0	168.0	3.000%	-9990.5	0.000	0.320	100.0	8059.7	181.1	181.1	-0.648%	2009.5	-31000.000	0.320	100.0	5999.7	173.5	173.5	1.376%	0.0	-22000.000	0.320	100.0
10099.7	168.2	168.2	2.958%	-9990.5	-31000.000	0.320	100.0	8039.7	181.4	181.4	-0.713%	2009.5	-31000.000	0.320	100.0	5979.7	173.8	173.8	1.285%	0.0	-22000.000	0.320	100.0
10079.7	168.4	168.4	2.893%	-9990.5	-31000.000	0.320	100.0	8019.7	181.6	181.6	-0.777%	2009.5	-31000.000	0.320	100.0	5959.7	174.2	174.2	1.194%	0.0	-22000.000	0.320	100.0
10059.7	168.6	168.6	2.829%	-9990.5	-31000.000	0.320	100.0	7999.7	181.9	181.9	-0.842%	2009.5	-31000.000	0.320	100.0	5939.7	174.5	174.5	1.103%	0.0	-22000.000	0.320	100.0
10039.7	168.8	168.8	2.764%	-9990.5	-31000.000	0.320	100.0	7979.7	182.2	182.2	-0.906%	2009.5	-31000.000	0.320	100.0	5919.7	174.8	174.8	1.012%	0.0	-22000.000	0.320	100.0

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



4759.7	189.0	189.0	-2.500%	-1490.5	0.000	0.320	100.0	2699.7	186.8	186.8	-2.000%	809.5	0.000	0.320	100.0	639.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
4739.7	189.0	189.0	-2.500%	-1490.5	0.000	0.320	100.0	2679.7	186.8	186.8	-2.000%	809.5	0.000	0.320	100.0	619.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
4719.7	189.0	189.0	-2.500%	-1490.5	0.000	0.320	100.0	2659.7	186.8	186.8	-2.000%	809.5	0.000	0.320	100.0	599.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
4699.7	189.0	189.0	-2.500%	-1490.5	0.000	0.320	100.0	2639.7	186.8	186.8	-2.000%	809.5	0.000	0.320	100.0	579.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
4679.7	189.0	189.0	-2.500%	-1490.5	0.000	0.320	100.0	2619.7	186.8	186.8	-2.000%	809.5	0.000	0.320	100.0	559.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
4659.7	189.0	189.0	-2.500%	-1490.5	0.000	0.320	100.0	2599.7	186.8	186.8	-2.000%	809.5	0.000	0.320	100.0	539.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
4639.7	189.0	189.0	-2.500%	-1490.5	0.000	0.320	100.0	2579.7	186.8	186.8	-2.000%	809.5	0.000	0.320	100.0	519.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
4619.7	189.0	189.0	-2.500%	-1490.5	0.000	0.320	100.0	2559.7	186.8	186.8	-2.000%	809.5	0.000	0.320	100.0	499.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
4599.7	189.0	189.0	-2.500%	-1490.5	0.000	0.320	100.0	2539.7	186.8	186.8	-2.000%	809.5	0.000	0.320	100.0	479.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
4579.7	189.0	189.0	-2.500%	-1490.5	0.000	0.320	100.0	2519.7	186.8	186.8	-2.000%	809.5	0.000	0.320	100.0	459.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
4559.7	189.0	189.0	-2.500%	-1490.5	0.000	0.320	100.0	2499.7	186.8	186.8	-2.000%	952.1	0.000	0.320	100.0	439.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
4539.7	189.0	189.0	-2.500%	-1490.5	0.000	0.320	100.0	2479.7	186.8	186.8	-2.000%	1250.4	0.000	0.320	100.0	419.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
4519.7	189.0	189.0	-2.500%	-1490.5	0.000	0.320	100.0	2459.7	186.8	186.8	-2.000%	1825.2	0.000	0.320	100.0	399.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
4499.7	189.0	189.0	-2.500%	-1490.5	0.000	0.320	100.0	2439.7	186.8	186.8	-2.000%	3391.9	0.000	0.320	100.0	379.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
4479.7	189.0	189.0	-2.500%	-1490.5	0.000	0.320	100.0	2419.7	186.8	186.8	-2.000%	24674.7	0.000	0.320	100.0	359.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
4459.7	189.0	189.0	-2.500%	-1490.5	0.000	0.320	100.0	2399.7	186.8	186.8	-2.000%	-6662.1	0.000	0.320	100.0	339.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
4439.7	189.0	189.0	-2.500%	-1490.5	0.000	0.320	100.0	2379.7	186.8	186.8	-2.000%	-3038.3	0.000	0.320	100.0	319.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
4419.7	189.0	189.0	-2.500%	-1490.5	0.000	0.320	100.0	2359.7	186.8	186.8	-2.000%	-1965.5	0.000	0.320	100.0	299.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
4399.7	188.8	188.8	-2.453%	-1490.5	16000.000	0.320	100.0	2339.7	186.8	186.8	-2.000%	-1451.4	0.000	0.320	100.0	279.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
4379.7	188.2	188.2	-2.328%	-1490.5	16000.000	0.320	100.0	2319.7	186.8	186.8	-2.000%	-1149.6	0.000	0.320	100.0	259.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
4359.7	187.7	187.7	-2.203%	-1490.5	16000.000	0.320	100.0	2299.7	186.8	186.8	-2.000%	-990.5	0.000	0.320	100.0	239.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
4339.7	187.1	187.1	-2.078%	-1490.5	16000.000	0.320	100.0	2279.7	186.8	186.8	-2.000%	-990.5	0.000	0.320	100.0	219.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
4319.7	186.6	186.6	-1.953%	-1490.5	16000.000	0.320	100.0	2259.7	186.8	186.8	-2.000%	-990.5	0.000	0.320	100.0	199.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
4299.7	186.0	186.0	-1.828%	-1490.5	16000.000	0.320	100.0	2239.7	186.8	186.8	-2.000%	-990.5	0.000	0.320	100.0	179.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
4279.7	185.5	185.5	-1.703%	-1490.5	16000.000	0.320	100.0	2219.7	186.8	186.8	-2.000%	-990.5	0.000	0.320	100.0	159.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
4259.7	185.0	185.0	-1.578%	-1490.5	16000.000	0.320	100.0	2199.7	186.8	186.8	-2.000%	-990.5	0.000	0.320	100.0	139.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
4239.7	184.4	184.4	-1.453%	-1490.5	16000.000	0.320	100.0	2179.7	186.8	186.8	-2.000%	-990.5	0.000	0.320	100.0	119.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
4219.7	183.9	183.9	-1.328%	-1490.5	16000.000	0.320	100.0	2159.7	186.8	186.8	-2.000%	-990.5	0.000	0.320	100.0	99.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
4199.7	183.4	183.4	-1.203%	-1490.5	16000.000	0.320	100.0	2139.7	186.8	186.8	-2.000%	-990.5	0.000	0.320	100.0	79.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
4179.7	182.9	182.9	-1.078%	-1490.5	16000.000	0.320	100.0	2119.7	186.8	186.8	-2.000%	-990.5	0.000	0.320	100.0	59.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
4159.7	182.4	182.4	-0.953%	-1493.4	16000.000	0.320	100.0	2099.7	186.5	186.5	-1.940%	-990.5	20000.000	0.320	100.0	39.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
4139.7	181.9	181.9	-0.828%	-1698.8	16000.000	0.320	100.0	2079.7	186.1	186.1	-1.840%	-990.5	20000.000	0.320	100.0								
4119.7	181.3	181.3	-0.703%	-1969.2	16000.000	0.320	100.0	2059.7	185.7	185.7	-1.740%	-990.5	20000.000	0.320	100.0								
4099.7	180.8	180.8	-0.578%	-2341.3	16000.000	0.320	100.0	2039.7	185.2	185.2	-1.640%	-990.5	20000.000	0.320	100.0								
4079.7	180.5	180.5	-0.500%	-2885.9	0.000	0.320	100.0	2019.7	184.8	184.8	-1.540%	-990.5	20000.000	0.320	100.0								
4059.7	180.5	180.5	-0.500%	-3758.7	0.000	0.320	100.0	1999.7	184.4	184.4	-1.440%	-990.5	20000.000	0.320	100.0								
4039.7	180.5	180.5	-0.500%	-5384.9	0.000	0.320	100.0	1979.7	184.0	184.0	-1.340%	-990.5	20000.000	0.320	100.0								
4019.7	180.5	180.5	-0.500%	-9480.1	0.000	0.320	100.0	1959.7	183.5	183.5	-1.240%	-990.5	20000.000	0.320	100.0								
3999.7	180.5	180.5	-0.500%	-39393.5	0.000	0.320	100.0	1939.7	183.1	183.1	-1.140%	-990.5	20000.000	0.320	100.0								
3979.7	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0	1919.7	182.7	182.7	-1.040%	-990.5	20000.000	0.320	100.0								
3959.7	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0	1899.7	182.3	182.3	-0.940%	-990.5	20000.000	0.320	100.0								
3939.7	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0	1879.7	181.9	181.9	-0.840%	-990.5	20000.000	0.320	100.0								
3919.7	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0	1859.7	181.5	181.5	-0.740%	-990.5	20000.000	0.320	100.0								
3899.7	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0	1839.7	181.1	181.1	-0.640%	-990.5	20000.000	0.320	100.0								
3879.7	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0	1819.7	180.7	180.7	-0.540%	-990.5	20000.000	0.320	100.0								
3859.7	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0	1799.7	180.3	180.3	-0.440%	-990.5	20000.000	0.320	100.0								
3839.7	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0	1779.7	179.9	179.9	-0.340%	-990.5	20000.000	0.320	100.0								
3819.7	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0	1759.7	179.5	179.5	-0.240%	-990.5	20000.000	0.320	100.0								
3799.7	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0	1739.7	179.1	179.1	-0.140%	-990.5	20000.000	0.320	100.0								
3779.7	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0	1719.7	178.7	178.7	-0.040%	-990.5	20000.000	0.320	100.0								
3759.7	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0	1699.7	178.4	178.4	0.060%	-990.5	20000.000	0.320	100.0								
3739.7	180.5	180.5	-0.500%	4173.0	0.000	0.320	100.0	1679.7	178.0	178.0	0.160%	-990.5	20000.000	0.320	100.0								

```
#####
# ESTUDIO DE VISIBILIDAD #
#####
# Estudio de Visibilidad de Parada a lo largo de un eje o #
# un tramo de eje. #
#####
# ISTRAM(R) V. 9.28 2168 #
#####
# Tabla de diseño de alzado (.dia): GRUPO-1.dia #
# La distancia de parada = (V * Tp/3.6) + (V*V / (254*(F1 + i))) #
# Eje: 2 en sentido: Normal #
# Estudio a velocidad fija de 100.0 Km/h #
# Eje desde PK: 0.000 hasta PK: 13979.673 #
# Estudio desde PK: 0.000 hasta PK: 13979.673 #
# Saltos del observador para estudio cada: 20.00 m #
# Se supone la visibilidad en los primeros: 60.00 m #
# A partir de ahí se estudia la visibilidad cada: 20.00 m #
# Angulo Focos-rasante, en grados: 1.00 #
# Angulo de tolerancia horizontal, en grados: 45.00 #
# El ángulo horizontal mide la desviación de la visual entre observador y #
# referencia con respecto a la tangente a la trayectoria en el pk de #
# estudio. #
# El ángulo Focos-rasante mide la desviación de la visual entre observador y #
# referencia con respecto a la línea de máxima iluminación de los focos #
# del vehículo. #
# El estudio se hace entre el punto de vista del observador y el punto de la #
# referencia configurados. #
# Trayectoria configurada del observador: #
# Superficie: 67 #
# Lado: Derecho #
# Código: 1 #
# Distancia al código: 2.0 m hacia el exterior #
# Altura: 1.10 m desde Calzada Pral. #
# Trayectoria configurada de la referencia: #
# Superficie: 67 #
# Lado: Derecho #
# Código: 1 #
# Distancia al código: 0.0 m hacia el exterior #
# Altura: 0.20 m desde Calzada Pral. #
#####
```

PK	D.Disp	D.Nece	i	Radio	Kv	f1	V.Est	V.Red	Obstáculo	Dist.Eje	PKObstáculo
0.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
20.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
40.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
60.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
80.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
100.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
120.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
140.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
160.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
180.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
200.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
220.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
240.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
260.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
280.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
300.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
320.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
340.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
360.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
380.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
400.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
420.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
440.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
460.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
480.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
500.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
520.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
540.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
560.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
580.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
600.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
620.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
640.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
660.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
680.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
700.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
720.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
740.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
760.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
780.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
800.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
820.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
840.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
860.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
880.0	180.5	180.5	-0.500%	-7812.9	0.000	0.320	100.0				
900.0	180.5	180.5	-0.500%	-3270.7	0.000	0.320	100.0				
920.0	180.5	180.5	-0.500%	-2069.9	0.000	0.320	100.0				
940.0	180.5	180.5	-0.500%	-1514.9	0.000	0.320	100.0				
960.0	180.5	180.5	-0.500%	-1195.1	0.000	0.320	100.0				

980.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0				
1000.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0				
1020.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0				
1040.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0				
1060.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0				
1080.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0				
1100.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0				
1120.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0				
1140.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0				
1160.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0				
1180.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0				
1200.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0				
1220.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0				
1240.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0				
1260.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0				
1280.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0				
1300.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0				
1320.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0				
1340.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0				
1360.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0				
1380.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0				
1400.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0				
1420.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0				
1440.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0				
1460.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0				
1480.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0				
1500.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0				
1520.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0				
1540.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0				
1560.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0				
1580.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0				
1600.0	180.5	180.5	-0.500%	-1006.0	0.000	0.320	100.0				
1620.0	180.4	180.4	-0.459%	-1006.0	20000.000	0.320	100.0				
1640.0	180.0	180.0	-0.359%	-1006.0	20000.000	0.320	100.0				
1660.0	179.6	179.6	-0.259%	-1006.0	20000.000	0.320	100.0				
1680.0	179.2	179.2	-0.159%	-1006.0	20000.000	0.320	100.0				
1700.0	178.8	178.8	-0.059%	-1006.0	20000.000	0.320	100.0				
1720.0	178.4	178.4	0.041%	-1006.0	20000.000	0.320	100.0				
1740.0	178.0	178.0	0.141%	-1006.0	20000.000	0.320	100.0				
1760.0	177.7	177.7	0.241%	-1006.0	20000.000	0.320	100.0				
1780.0	177.3	177.3	0.341%	-1006.0	20000.000	0.320	100.0				
1800.0	176.9	176.9	0.441%	-1006.0	20000.000	0.320	100.0				
1820.0	176.5	176.5	0.541%	-1006.0	20000.000	0.320	100.0				
1840.0	176.2	176.2	0.641%	-1006.0	20000.000	0.320	100.0				
1860.0	175.8	175.8	0.741%	-1006.0	20000.000	0.320	100.0				
1880.0	175.4	175.4	0.841%	-1006.0	20000.000	0.320	100.0				
1900.0	175.1	175.1	0.941%	-1006.0	20000.000	0.320	100.0				
1920.0	174.7	174.7	1.041%	-1006.0	20000.000	0.320	100.0				
1940.0	174.4	174.4	1.141%	-1006.0	20000.000	0.320	100.0				
1960.0	174.0	174.0	1.241%	-1006.0	20000.000	0.320	100.0				
1980.0	173.6	173.6	1.341%	-1006.0	20000.000	0.320	100.0				
2000.0	173.3	173.3	1.441%	-1006.0	20000.000	0.320	100.0				
2020.0	172.9	172.9	1.541%	-1006.0	20000.000	0.320	100.0				
2040.0	172.6	172.6	1.641%	-1006.0	20000.000	0.320	100.0				
2060.0	172.2	172.2	1.741%	-1006.0	20000.000	0.320	100.0				
2080.0	171.9	171.9	1.841%	-1006.0	20000.000	0.320	100.0				
2100.0	171.6	171.6	1.941%	-1006.0	20000.000	0.320	100.0				
2120.0	171.3	171.3	2.000%	-1006.0	0.000	0.320	100.0				
2140.0	171.3	171.3	2.000%	-1006.0	0.000	0.320	100.0				
2160.0	171.3	171.3	2.000%	-1006.0							

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



5100.0	172.3	172.3	1.731%	-1506.0	-31000.000	0.320	100.0	7160.0	184.6	184.6	-1.500%	6197.8	0.000	0.320	100.0	9220.0	184.6	184.6	-1.500%	1994.0	0.000	0.320	100.0
5120.0	172.5	172.5	1.666%	-1506.0	-31000.000	0.320	100.0	7180.0	184.6	184.6	-1.500%	4854.4	0.000	0.320	100.0	9240.0	184.6	184.6	-1.500%	1994.0	0.000	0.320	100.0
5140.0	172.7	172.7	1.602%	-1506.0	-31000.000	0.320	100.0	7200.0	184.6	184.6	-1.500%	3989.2	0.000	0.320	100.0	9260.0	184.6	184.6	-1.500%	1994.0	0.000	0.320	100.0
5160.0	172.9	172.9	1.537%	-1506.0	-31000.000	0.320	100.0	7220.0	184.6	184.6	-1.500%	3385.5	0.000	0.320	100.0	9280.0	184.6	184.6	-1.500%	1994.0	0.000	0.320	100.0
5180.0	173.2	173.2	1.473%	-1506.0	-31000.000	0.320	100.0	7240.0	183.9	183.9	-1.321%	2940.3	10000.000	0.320	100.0	9300.0	184.6	184.6	-1.500%	1994.0	0.000	0.320	100.0
5200.0	173.4	173.4	1.408%	-1506.0	-31000.000	0.320	100.0	7260.0	183.1	183.1	-1.121%	2596.4	10000.000	0.320	100.0	9320.0	184.6	184.6	-1.500%	1994.0	0.000	0.320	100.0
5220.0	173.6	173.6	1.344%	-1506.0	-31000.000	0.320	100.0	7280.0	182.2	182.2	-0.921%	2327.7	10000.000	0.320	100.0	9340.0	184.6	184.6	-1.500%	1994.0	0.000	0.320	100.0
5240.0	173.9	173.9	1.279%	-1506.0	-31000.000	0.320	100.0	7300.0	181.4	181.4	-0.721%	2107.9	10000.000	0.320	100.0	9360.0	184.6	184.6	-1.500%	1994.0	0.000	0.320	100.0
5260.0	174.1	174.1	1.214%	-1506.0	-31000.000	0.320	100.0	7320.0	180.6	180.6	-0.521%	1994.0	10000.000	0.320	100.0	9380.0	184.6	184.6	-1.500%	1994.0	0.000	0.320	100.0
5280.0	174.1	174.1	1.200%	-1506.0	0.000	0.320	100.0	7340.0	179.8	179.8	-0.321%	1994.0	10000.000	0.320	100.0	9400.0	184.6	184.6	-1.500%	1994.0	0.000	0.320	100.0
5300.0	174.1	174.1	1.200%	-1506.0	0.000	0.320	100.0	7360.0	179.1	179.1	-0.121%	1994.0	10000.000	0.320	100.0	9420.0	184.6	184.6	-1.500%	1994.0	0.000	0.320	100.0
5320.0	174.1	174.1	1.200%	-1225.9	0.000	0.320	100.0	7380.0	178.3	178.3	0.079%	1994.0	10000.000	0.320	100.0	9440.0	184.6	184.6	-1.500%	1994.0	0.000	0.320	100.0
5340.0	174.1	174.1	1.200%	-920.0	0.000	0.320	100.0	7400.0	177.5	177.5	0.279%	1994.0	10000.000	0.320	100.0	9460.0	184.6	184.6	-1.500%	1994.0	0.000	0.320	100.0
5360.0	174.1	174.1	1.200%	-756.0	0.000	0.320	100.0	7420.0	176.8	176.8	0.479%	1994.0	10000.000	0.320	100.0	9480.0	184.6	184.6	-1.500%	1994.0	0.000	0.320	100.0
5380.0	174.1	174.1	1.200%	-756.0	0.000	0.320	100.0	7440.0	176.0	176.0	0.679%	1994.0	10000.000	0.320	100.0	9500.0	184.6	184.6	-1.500%	1994.0	0.000	0.320	100.0
5400.0	174.1	174.1	1.200%	-756.0	0.000	0.320	100.0	7460.0	175.3	175.3	0.879%	1994.0	10000.000	0.320	100.0	9520.0	184.6	184.6	-1.500%	1994.0	0.000	0.320	100.0
5420.0	174.1	174.1	1.200%	-756.0	0.000	0.320	100.0	7480.0	174.9	174.9	1.000%	1994.0	0.000	0.320	100.0	9540.0	184.6	184.6	-1.500%	1994.0	0.000	0.320	100.0
5440.0	174.3	174.3	1.168%	-756.0	-22000.000	0.320	100.0	7500.0	174.9	174.9	1.000%	1994.0	0.000	0.320	100.0	9560.0	184.6	184.6	-1.500%	1994.0	0.000	0.320	100.0
5460.0	174.6	174.6	1.077%	-756.0	-22000.000	0.320	100.0	7520.0	174.9	174.9	1.000%	1994.0	0.000	0.320	100.0	9580.0	184.6	184.6	-1.500%	1994.0	0.000	0.320	100.0
5480.0	174.9	174.9	0.986%	-855.9	-22000.000	0.320	100.0	7540.0	174.9	174.9	1.000%	1994.0	0.000	0.320	100.0	9600.0	184.6	184.6	-1.500%	1994.0	0.000	0.320	100.0
5500.0	175.2	175.2	0.895%	-1113.6	-22000.000	0.320	100.0	7560.0	174.9	174.9	1.000%	1994.0	0.000	0.320	100.0	9620.0	184.6	184.6	-1.500%	1994.0	0.000	0.320	100.0
5520.0	175.6	175.6	0.805%	-1597.1	-22000.000	0.320	100.0	7580.0	174.9	174.9	1.000%	1994.0	0.000	0.320	100.0	9640.0	184.6	184.6	-1.500%	1994.0	0.000	0.320	100.0
5540.0	175.9	175.9	0.714%	-2829.6	-22000.000	0.320	100.0	7600.0	174.9	174.9	1.000%	1994.0	0.000	0.320	100.0	9660.0	184.8	184.8	-1.539%	1994.0	-31000.000	0.320	100.0
5560.0	176.2	176.2	0.623%	-12535.1	-22000.000	0.320	100.0	7620.0	174.9	174.9	1.000%	1994.0	0.000	0.320	100.0	9680.0	185.1	185.1	-1.604%	1994.0	-31000.000	0.320	100.0
5580.0	176.6	176.6	0.532%	5134.5	-22000.000	0.320	100.0	7640.0	174.9	174.9	1.000%	1994.0	0.000	0.320	100.0	9700.0	185.4	185.4	-1.668%	1994.0	-31000.000	0.320	100.0
5600.0	176.9	176.9	0.441%	2126.7	-22000.000	0.320	100.0	7660.0	174.9	174.9	1.000%	1994.0	0.000	0.320	100.0	9720.0	185.6	185.6	-1.733%	1994.0	-31000.000	0.320	100.0
5620.0	177.3	177.3	0.350%	1339.5	-22000.000	0.320	100.0	7680.0	174.9	174.9	1.000%	1994.0	0.000	0.320	100.0	9740.0	185.9	185.9	-1.797%	1994.0	-31000.000	0.320	100.0
5640.0	177.6	177.6	0.259%	976.7	-22000.000	0.320	100.0	7700.0	174.9	174.9	1.000%	1994.0	0.000	0.320	100.0	9760.0	186.2	186.2	-1.862%	1994.0	-31000.000	0.320	100.0
5660.0	177.9	177.9	0.168%	768.0	-22000.000	0.320	100.0	7720.0	174.9	174.9	1.000%	1994.0	0.000	0.320	100.0	9780.0	186.5	186.5	-1.926%	2184.8	-31000.000	0.320	100.0
5680.0	178.3	178.3	0.077%	744.0	-22000.000	0.320	100.0	7740.0	174.9	174.9	1.000%	1994.0	0.000	0.320	100.0	9800.0	186.7	186.7	-1.991%	2421.7	-31000.000	0.320	100.0
5700.0	178.6	178.6	-0.014%	744.0	-22000.000	0.320	100.0	7760.0	174.9	174.9	1.000%	1994.0	0.000	0.320	100.0	9820.0	187.0	187.0	-2.056%	2716.1	-31000.000	0.320	100.0
5720.0	179.0	179.0	-0.105%	744.0	-22000.000	0.320	100.0	7780.0	174.9	174.9	1.000%	1994.0	0.000	0.320	100.0	9840.0	187.3	187.3	-2.120%	3091.9	-31000.000	0.320	100.0
5740.0	179.3	179.3	-0.195%	744.0	-22000.000	0.320	100.0	7800.0	174.9	174.9	1.000%	1994.0	0.000	0.320	100.0	9860.0	187.6	187.6	-2.185%	3587.9	-31000.000	0.320	100.0
5760.0	179.7	179.7	-0.286%	744.0	-22000.000	0.320	100.0	7820.0	174.9	174.9	1.000%	1994.0	0.000	0.320	100.0	9880.0	187.9	187.9	-2.249%	4273.0	-31000.000	0.320	100.0
5780.0	180.1	180.1	-0.377%	750.1	-22000.000	0.320	100.0	7840.0	174.9	174.9	1.000%	1994.0	0.000	0.320	100.0	9900.0	188.2	188.2	-2.314%	5281.0	-31000.000	0.320	100.0
5800.0	180.4	180.4	-0.468%	948.0	-22000.000	0.320	100.0	7860.0	174.9	174.9	1.000%	1994.0	0.000	0.320	100.0	9920.0	188.5	188.5	-2.378%	6910.1	-31000.000	0.320	100.0
5820.0	180.8	180.8	-0.559%	1286.2	-22000.000	0.320	100.0	7880.0	174.9	174.9	1.000%	1994.0	0.000	0.320	100.0	9940.0	188.8	188.8	-2.443%	9990.3	-31000.000	0.320	100.0
5840.0	181.1	181.1	-0.650%	1995.9	-22000.000	0.320	100.0	7900.0	174.9	174.9	1.000%	1994.0	0.000	0.320	100.0	9960.0	189.0	189.0	-2.507%	18017.4	-31000.000	0.320	100.0
5860.0	181.5	181.5	-0.741%	4435.1	-22000.000	0.320	100.0	7920.0	174.9	174.9	1.000%	1994.0	0.000	0.320	100.0	9980.0	189.3	189.3	-2.572%	91485.3	-31000.000	0.320	100.0
5880.0	181.9	181.9	-0.832%	0.0	-22000.000	0.320	100.0	7940.0	174.9	174.9	1.000%	1994.0	0.000	0.320	100.0	10000.0	189.6	189.6	-2.636%	-10006.0	-31000.000	0.320	100.0
5900.0	182.2	182.2	-0.923%	0.0	-22000.000	0.320	100.0	7960.0	175.0	175.0	0.970%	1994.0	-31000.000	0.320	100.0	10020.0	189.9	189.9	-2.701%	-10006.0	-31000.000	0.320	100.0
5920.0	182.6	182.6	-1.014%	0.0	-22000.000	0.320	100.0	7980.0	175.2	175.2	0.905%	1994.0	-31000.000	0.320	100.0	10040.0	190.2	190.2	-2.765%	-10006.0	-31000.000	0.320	100.0
5940.0	183.0	183.0	-1.105%	0.0	-22000.000	0.320	100.0	8000.0	175.4	175.4	0.841%	1994.0	-31000.000	0.320	100.0	10060.0	190.5	190.5	-2.830%	-10006.0	-31000.000	0.320	100.0
5960.0	183.4	183.4	-1.195%	0.0	-22000.000	0.320	100.0	8020.0	175.7	175.7	0.776%	1994.0	-31000.000	0.320	100.0	10080.0	190.8	190.8	-2.894%	-10006.0	-31000.000	0.320	100.0
5980.0	183.7	183.7	-1.286%	0.0	-22000.000	0.320	100.0	8040.0	175.9	175.9	0.712%	1994.0	-31000.000	0.320	100.0	10100.0	191.1	191.1	-2.959%	-10006.0	-31000.000	0.320	100.0
6000.0	184.1	184.1	-1.377%	0.0	-22000.000	0.320	100.0	8060.0	176.1	176.1	0.647%	1994.0	-31000.000	0.320	100.0	10120.0	191.3	191.3	-3.000%	-10006.0	0.000	0.320	100.0
6020.0	184.5	184.5	-1.468%	0.0	-22000.000	0.320	100.0																



PK	D.Disp	D.Nece	i	Radio	Kv	f1	V.Est	V.Red	Obstáculo	Dist.Eje	PKObstáculo
11280.0	180.5	180.5	-0.500%	-10006.0	0.000	0.320	100.0				
11300.0	180.5	180.5	-0.500%	-10006.0	0.000	0.320	100.0				
11320.0	180.5	180.5	-0.500%	-10006.0	0.000	0.320	100.0				
11340.0	180.5	180.5	-0.500%	-10006.0	0.000	0.320	100.0				
11360.0	180.5	180.5	-0.500%	-10006.0	0.000	0.320	100.0				
11380.0	180.5	180.5	-0.500%	-10006.0	0.000	0.320	100.0				
11400.0	180.5	180.5	-0.500%	-10006.0	0.000	0.320	100.0				
11420.0	180.5	180.5	-0.500%	-10006.0	0.000	0.320	100.0				
11440.0	180.5	180.5	-0.500%	-10006.0	0.000	0.320	100.0				
11460.0	180.5	180.5	-0.500%	-10006.0	0.000	0.320	100.0				
11480.0	180.5	180.5	-0.500%	-10006.0	0.000	0.320	100.0				
11500.0	180.5	180.5	-0.500%	-10006.0	0.000	0.320	100.0				
11520.0	180.5	180.5	-0.500%	-10006.0	0.000	0.320	100.0				
11540.0	180.5	180.5	-0.500%	-10006.0	0.000	0.320	100.0				
11560.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0				
11580.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0				
11600.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0				
11620.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0				
11640.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0				
11660.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0				
11680.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0				
11700.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0				
11720.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0				
11740.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0				
11760.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0				
11780.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0				
11800.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0				
11820.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0				
11840.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0				
11860.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0				
11880.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0				
11900.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0				
11920.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0				
11940.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0				
11960.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0				
11980.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0				
12000.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0				
12020.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0				
12040.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0				
12060.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0				
12080.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0				
12100.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0				
12120.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0				
12140.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0				
12160.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0				
12180.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0				
12200.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0				
12220.0	180.4	180.4	-0.462%	9994.0	40000.000	0.320	100.0				
12240.0	180.2	180.2	-0.412%	9994.0	40000.000	0.320	100.0				
12260.0	180.0	180.0	-0.362%	9994.0	40000.000	0.320	100.0				
12280.0	179.8	179.8	-0.312%	9994.0	40000.000	0.320	100.0				
12300.0	179.6	179.6	-0.262%	9994.0	40000.000	0.320	100.0				
12320.0	179.4	179.4	-0.212%	9994.0	40000.000	0.320	100.0				
12340.0	179.2	179.2	-0.162%	9994.0	40000.000	0.320	100.0				
12360.0	179.0	179.0	-0.112%	9994.0	40000.000	0.320	100.0				
12380.0	178.8	178.8	-0.062%	-83222.1	40000.000	0.320	100.0				
12400.0	178.6	178.6	-0.012%	-5262.8	40000.000	0.320	100.0				
12420.0	178.4	178.4	0.038%	-2720.1	40000.000	0.320	100.0				
12440.0	178.2	178.2	0.088%	-1835.3	40000.000	0.320	100.0				
12460.0	178.1	178.1	0.138%	-1385.6	40000.000	0.320	100.0				
12480.0	177.9	177.9	0.188%	-1113.3	40000.000	0.320	100.0				
12500.0	177.7	177.7	0.238%	-1006.0	40000.000	0.320	100.0				
12520.0	177.5	177.5	0.288%	-1006.0	40000.000	0.320	100.0				
12540.0	177.3	177.3	0.338%	-1006.0	40000.000	0.320	100.0				
12560.0	177.1	177.1	0.388%	-1006.0	40000.000	0.320	100.0				
12580.0	176.9	176.9	0.438%	-1006.0	40000.000	0.320	100.0				
12600.0	176.7	176.7	0.488%	-1006.0	40000.000	0.320	100.0				
12620.0	176.7	176.7	0.500%	-1006.0	0.000	0.320	100.0				
12640.0	176.7	176.7	0.500%	-1006.0	0.000	0.320	100.0				
12660.0	176.7	176.7	0.500%	-1006.0	0.000	0.320	100.0				
12680.0	176.7	176.7	0.500%	-1006.0	0.000	0.320	100.0				
12700.0	176.7	176.7	0.500%	-1006.0	0.000	0.320	100.0				
12720.0	176.7	176.7	0.500%	-1006.0	0.000	0.320	100.0				
12740.0	176.7	176.7	0.500%	-1006.0	0.000	0.320	100.0				
12760.0	176.7	176.7	0.500%	-1006.0	0.000	0.320	100.0				
12780.0	176.7	176.7	0.500%	-1006.0	0.000	0.320	100.0				
12800.0	176.7	176.7	0.500%	-1006.0	0.000	0.320	100.0				
12820.0	176.7	176.7	0.500%	-1006.0	0.000	0.320	100.0				
12840.0	176.7	176.7	0.500%	-1021.1	0.000	0.320	100.0				
12860.0	176.7	176.7	0.500%	-1245.2	0.000	0.320	100.0				
12880.0	176.7	176.7	0.500%	-1596.5	0.000	0.320	100.0				
12900.0	176.7	176.7	0.500%	-2225.7	0.000	0.320	100.0				
12920.0	176.7	176.7	0.500%	-3678.3	0.000	0.320	100.0				
12940.0	176.7	176.7	0.500%	-10633.9	0.000	0.320	100.0				
12960.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
12980.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
13000.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
13020.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
13040.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
13060.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
13080.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
13100.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
13120.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
13140.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
13160.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
13180.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
13200.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
13220.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
13240.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
13260.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
13280.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
13300.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
13320.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
13340.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
13360.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
13380.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
13400.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
13420.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
13440.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
13460.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
13480.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
13500.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
13520.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
13540.0	176.7	176.7	0.500%	0.0	0.000	0.					

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



6819.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4759.7	189.0	189.0	-2.500%	-1494.0	0.000	0.320	100.0	2699.7	186.8	186.8	-2.000%	806.0	0.000	0.320	100.0
6799.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4739.7	189.0	189.0	-2.500%	-1494.0	0.000	0.320	100.0	2679.7	186.8	186.8	-2.000%	806.0	0.000	0.320	100.0
6779.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4719.7	189.0	189.0	-2.500%	-1494.0	0.000	0.320	100.0	2659.7	186.8	186.8	-2.000%	806.0	0.000	0.320	100.0
6759.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4699.7	189.0	189.0	-2.500%	-1494.0	0.000	0.320	100.0	2639.7	186.8	186.8	-2.000%	806.0	0.000	0.320	100.0
6739.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4679.7	189.0	189.0	-2.500%	-1494.0	0.000	0.320	100.0	2619.7	186.8	186.8	-2.000%	806.0	0.000	0.320	100.0
6719.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4659.7	189.0	189.0	-2.500%	-1494.0	0.000	0.320	100.0	2599.7	186.8	186.8	-2.000%	806.0	0.000	0.320	100.0
6699.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4639.7	189.0	189.0	-2.500%	-1494.0	0.000	0.320	100.0	2579.7	186.8	186.8	-2.000%	806.0	0.000	0.320	100.0
6679.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4619.7	189.0	189.0	-2.500%	-1494.0	0.000	0.320	100.0	2559.7	186.8	186.8	-2.000%	806.0	0.000	0.320	100.0
6659.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4599.7	189.0	189.0	-2.500%	-1494.0	0.000	0.320	100.0	2539.7	186.8	186.8	-2.000%	806.0	0.000	0.320	100.0
6639.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4579.7	189.0	189.0	-2.500%	-1494.0	0.000	0.320	100.0	2519.7	186.8	186.8	-2.000%	806.0	0.000	0.320	100.0
6619.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4559.7	189.0	189.0	-2.500%	-1494.0	0.000	0.320	100.0	2499.7	186.8	186.8	-2.000%	948.6	0.000	0.320	100.0
6599.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4539.7	189.0	189.0	-2.500%	-1494.0	0.000	0.320	100.0	2479.7	186.8	186.8	-2.000%	1246.9	0.000	0.320	100.0
6579.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4519.7	189.0	189.0	-2.500%	-1494.0	0.000	0.320	100.0	2459.7	186.8	186.8	-2.000%	1821.7	0.000	0.320	100.0
6559.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4499.7	189.0	189.0	-2.500%	-1494.0	0.000	0.320	100.0	2439.7	186.8	186.8	-2.000%	3388.4	0.000	0.320	100.0
6539.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4479.7	189.0	189.0	-2.500%	-1494.0	0.000	0.320	100.0	2419.7	186.8	186.8	-2.000%	24671.2	0.000	0.320	100.0
6519.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4459.7	189.0	189.0	-2.500%	-1494.0	0.000	0.320	100.0	2399.7	186.8	186.8	-2.000%	-6665.6	0.000	0.320	100.0
6499.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4439.7	189.0	189.0	-2.500%	-1494.0	0.000	0.320	100.0	2379.7	186.8	186.8	-2.000%	-3041.8	0.000	0.320	100.0
6479.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4419.7	189.0	189.0	-2.500%	-1494.0	0.000	0.320	100.0	2359.7	186.8	186.8	-2.000%	-1969.0	0.000	0.320	100.0
6459.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4399.7	188.8	188.8	-2.453%	-1494.0	16000.000	0.320	100.0	2339.7	186.8	186.8	-2.000%	-1454.9	0.000	0.320	100.0
6439.7	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4379.7	188.2	188.2	-2.328%	-1494.0	16000.000	0.320	100.0	2319.7	186.8	186.8	-2.000%	-1153.1	0.000	0.320	100.0
6419.7	173.0	173.0	1.532%	0.0	17000.000	0.320	100.0	4359.7	187.7	187.7	-2.203%	-1494.0	16000.000	0.320	100.0	2299.7	186.8	186.8	-2.000%	-994.0	0.000	0.320	100.0
6399.7	172.6	172.6	1.650%	0.0	17000.000	0.320	100.0	4339.7	187.1	187.1	-2.078%	-1494.0	16000.000	0.320	100.0	2279.7	186.8	186.8	-2.000%	-994.0	0.000	0.320	100.0
6379.7	172.1	172.1	1.767%	0.0	17000.000	0.320	100.0	4319.7	186.6	186.6	-1.953%	-1494.0	16000.000	0.320	100.0	2259.7	186.8	186.8	-2.000%	-994.0	0.000	0.320	100.0
6359.7	171.7	171.7	1.885%	0.0	17000.000	0.320	100.0	4299.7	186.0	186.0	-1.828%	-1494.0	16000.000	0.320	100.0	2239.7	186.8	186.8	-2.000%	-994.0	0.000	0.320	100.0
6339.7	171.3	171.3	2.003%	0.0	17000.000	0.320	100.0	4279.7	185.5	185.5	-1.703%	-1494.0	16000.000	0.320	100.0	2219.7	186.8	186.8	-2.000%	-994.0	0.000	0.320	100.0
6319.7	170.9	170.9	2.120%	0.0	17000.000	0.320	100.0	4259.7	185.0	185.0	-1.578%	-1494.0	16000.000	0.320	100.0	2199.7	186.8	186.8	-2.000%	-994.0	0.000	0.320	100.0
6299.7	170.5	170.5	2.238%	0.0	17000.000	0.320	100.0	4239.7	184.4	184.4	-1.453%	-1494.0	16000.000	0.320	100.0	2179.7	186.8	186.8	-2.000%	-994.0	0.000	0.320	100.0
6279.7	170.2	170.2	2.356%	0.0	17000.000	0.320	100.0	4219.7	183.9	183.9	-1.328%	-1494.0	16000.000	0.320	100.0	2159.7	186.8	186.8	-2.000%	-994.0	0.000	0.320	100.0
6259.7	169.8	169.8	2.473%	0.0	17000.000	0.320	100.0	4199.7	183.4	183.4	-1.203%	-1494.0	16000.000	0.320	100.0	2139.7	186.8	186.8	-2.000%	-994.0	0.000	0.320	100.0
6239.7	169.8	169.8	2.467%	0.0	-22000.000	0.320	100.0	4179.7	182.9	182.9	-1.078%	-1494.0	16000.000	0.320	100.0	2119.7	186.8	186.8	-2.000%	-994.0	0.000	0.320	100.0
6219.7	170.1	170.1	2.376%	0.0	-22000.000	0.320	100.0	4159.7	182.4	182.4	-0.953%	-1496.9	16000.000	0.320	100.0	2099.7	186.5	186.5	-1.940%	-994.0	20000.000	0.320	100.0
6199.7	170.4	170.4	2.285%	0.0	-22000.000	0.320	100.0	4139.7	181.9	181.9	-0.828%	-1702.3	16000.000	0.320	100.0	2079.7	186.1	186.1	-1.840%	-994.0	20000.000	0.320	100.0
6179.7	170.7	170.7	2.194%	0.0	-22000.000	0.320	100.0	4119.7	181.3	181.3	-0.703%	-1972.7	16000.000	0.320	100.0	2059.7	185.7	185.7	-1.740%	-994.0	20000.000	0.320	100.0
6159.7	171.0	171.0	2.103%	0.0	-22000.000	0.320	100.0	4099.7	180.8	180.8	-0.578%	-2344.8	16000.000	0.320	100.0	2039.7	185.2	185.2	-1.640%	-994.0	20000.000	0.320	100.0
6139.7	171.3	171.3	2.012%	0.0	-22000.000	0.320	100.0	4079.7	180.5	180.5	-0.500%	-2889.4	0.000	0.320	100.0	2019.7	184.8	184.8	-1.540%	-994.0	20000.000	0.320	100.0
6119.7	171.6	171.6	1.921%	0.0	-22000.000	0.320	100.0	4059.7	180.5	180.5	-0.500%	-3762.2	0.000	0.320	100.0	1999.7	184.4	184.4	-1.440%	-994.0	20000.000	0.320	100.0
6099.7	171.9	171.9	1.830%	0.0	-22000.000	0.320	100.0	4039.7	180.5	180.5	-0.500%	-5388.4	0.000	0.320	100.0	1979.7	184.0	184.0	-1.340%	-994.0	20000.000	0.320	100.0
6079.7	172.2	172.2	1.739%	0.0	-22000.000	0.320	100.0	4019.7	180.5	180.5	-0.500%	-9483.6	0.000	0.320	100.0	1959.7	183.5	183.5	-1.240%	-994.0	20000.000	0.320	100.0
6059.7	172.6	172.6	1.649%	0.0	-22000.000	0.320	100.0	3999.7	180.5	180.5	-0.500%	-39397.0	0.000	0.320	100.0	1939.7	183.1	183.1	-1.140%	-994.0	20000.000	0.320	100.0
6039.7	172.9	172.9	1.558%	0.0	-22000.000	0.320	100.0	3979.7	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0	1919.7	182.7	182.7	-1.040%	-994.0	20000.000	0.320	100.0
6019.7	173.2	173.2	1.467%	0.0	-22000.000	0.320	100.0	3959.7	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0	1899.7	182.3	182.3	-0.940%	-994.0	20000.000	0.320	100.0
5999.7	173.5	173.5	1.376%	0.0	-22000.000	0.320	100.0	3939.7	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0	1879.7	181.9	181.9	-0.840%	-994.0	20000.000	0.320	100.0
5979.7	173.8	173.8	1.285%	0.0	-22000.000	0.320	100.0	3919.7	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0	1859.7	181.5	181.5	-0.740%	-994.0	20000.000	0.320	100.0
5959.7	174.2	174.2	1.194%	0.0	-22000.000	0.320	100.0	3899.7	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0	1839.7	181.1	181.1	-0.640%	-994.0	20000.000	0.320	100.0
5939.7	174.5	174.5	1.103%	0.0	-22000.000	0.320	100.0	3879.7	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0	1819.7	180.7	180.7	-0.540%	-994.0	20000.000	0.320	100.0
5919.7	174.8	174.8	1.012%	0.0	-22000.000	0.320	100.0	3859.7	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0	1799.7	180.3	180.3	-0.440%	-994.0	20000.000	0.320	100.0
5899.7	175.1	175.1	0.921%	0.0	-22000.000	0.320	100.0	3839.7	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0	1779.7	179.9	179.9	-0.340%	-994.0	20000.000	0.320	100.0
5879.7	175.5	175.5	0.830%	0.0	-22000.000	0.320	100.0</																



639.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
619.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
599.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
579.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
559.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
539.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
519.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
499.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
479.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
459.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
439.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
419.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
399.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
379.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
359.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
339.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
319.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
299.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
279.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
259.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
239.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
219.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
199.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
179.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
159.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
139.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
119.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
99.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
79.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
59.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
39.7	176.7	176.7	0.500%	0.0	0.000	0.320	100.0

```

#####
# ESTUDIO DE VISIBILIDAD #
#####
# Estudio de Visibilidad de Parada a lo largo de un eje o #
# un tramo de eje. #
# #
#####
# ISTRAM(R) V. 9.28 2168 #
#####
# #
# Tabla de diseño de alzado (.dia): GRUPO-1.dia #
# La distancia de parada = (V * Tp/3.6) + (V^2 / (254*(F1 + i))) #
# #
# Eje: 3 en sentido: Normal #
# Estudio a velocidad fija de 100.0 Km/h #
# Eje desde PK: 0.000 hasta PK: 14332.927 #
# Estudio desde PK: 0.000 hasta PK: 14332.927 #
# #
# Saltos del observador para estudio cada: 20.00 m #
# Se supone la visibilidad en los primeros: 60.00 m #
# A partir de ahí se estudia la visibilidad cada: 20.00 m #
# #
# Angulo Focos-rasante, en grados: 1.00 #
# Angulo de tolerancia horizontal, en grados: 45.00 #
# #
# El ángulo horizontal mide la desviación de la visual entre observador y #
# referencia con respecto a la tangente a la trayectoria en el pk de #
# estudio. #
# El ángulo Focos-rasante mide la desviación de la visual entre observador y #
# referencia con respecto a la línea de máxima iluminación de los focos #
# del vehículo. #
# #
# El estudio se hace entre el punto de vista del observador y el punto de la #
# referencia configurados. #
# #
# Trayectoria configurada del observador: #
# Superficie: 67 #
# Lado: Derecho #
# Código: 1 #
# Distancia al código: 5.5 m hacia el exterior #
# Altura: 1.10 m desde Calzada Pral. #
# #
# Trayectoria configurada de la referencia: #
# Superficie: 67 #
# Lado: Derecho #
# Código: 1 #
# Distancia al código: 0.0 m hacia el exterior #
# Altura: 0.20 m desde Calzada Pral. #
#####

```

PK	D.Disp	D.Nece	i	Radio	Kv	f1	V.Est	V.Red	Obstáculo	Dist.Eje	PKObstáculo
0.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
20.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
40.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
60.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
80.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
100.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
120.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
140.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
160.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
180.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
200.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
220.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
240.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
260.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
280.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
300.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
320.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
340.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
360.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
380.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
400.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
420.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
440.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
460.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
480.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
500.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
520.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
540.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
560.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
580.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
600.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
620.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
640.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
660.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
680.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
700.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
720.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
740.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
760.0	180.5	180.5	-0.483%	-5009.5	20000.000	0.320	100.0				
780.0	180.1	180.1	-0.383%	-2627.3	20000.000	0.320	100.0				
800.0	179.7	179.7	-0.283%	-1579.1	20000.000	0.320	100.0				
820.0	179.3	179.3	-0.183%	-1130.3	20000.000	0.320	100.0				
840.0	178.9	178.9	-0.083%	-881.1	20000.000	0.320	100.0				
860.0	178.5	178.5	0.017%	-809.5	20000.000	0.320	100.0				
880.0	178.1	178.1	0.117%	-809.5	20000.000	0.320	100.0				
900.0	177.8	177.8	0.217%	-809.5	20000.000	0.320	100.0				
920.0	177.4	177.4	0.317%	-809.5	20000.000	0.320	100.0				
940.0	177.0	177.0	0.417%	-809.5	20000.000	0.320	100.0				
960.0	176.6	176.6	0.517%	-809.5	20000.000	0.320	100.0				

980.0	176.3	176.3	0.617%	-809.5	20000.000	0.320	100.0				
1000.0	175.9	175.9	0.717%	-809.5	20000.000	0.320	100.0				
1020.0	175.5	175.5	0.817%	-809.5	20000.000	0.320	100.0				
1040.0	175.2	175.2	0.917%	-809.5	20000.000	0.320	100.0				
1060.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1080.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1100.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1120.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1140.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1160.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1180.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1200.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1220.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1240.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1260.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1280.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1300.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1320.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1340.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1360.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1380.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1400.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1420.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1440.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1460.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1480.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1500.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1520.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1540.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1560.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1580.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1600.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1620.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1640.0	175.0	175.0	0.970%	-8							

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B

Actualización 2016

Actualización 2019:



3040.0	172.4	172.4	1.700%	790.5	0.000	0.320	100.0	5100.0	181.3	181.3	-0.682%	0.0	-16000.000	0.320	100.0	7160.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
3060.0	172.4	172.4	1.700%	790.5	0.000	0.320	100.0	5120.0	181.3	181.3	-0.700%	0.0	0.000	0.320	100.0	7180.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
3080.0	172.4	172.4	1.700%	790.5	0.000	0.320	100.0	5140.0	181.3	181.3	-0.700%	0.0	0.000	0.320	100.0	7200.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
3100.0	172.4	172.4	1.700%	790.5	0.000	0.320	100.0	5160.0	181.3	181.3	-0.700%	0.0	0.000	0.320	100.0	7220.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
3120.0	172.4	172.4	1.700%	790.5	0.000	0.320	100.0	5180.0	181.3	181.3	-0.700%	0.0	0.000	0.320	100.0	7240.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
3140.0	172.4	172.4	1.700%	790.5	0.000	0.320	100.0	5200.0	181.3	181.3	-0.700%	0.0	0.000	0.320	100.0	7260.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
3160.0	172.4	172.4	1.700%	790.5	0.000	0.320	100.0	5220.0	181.3	181.3	-0.700%	0.0	0.000	0.320	100.0	7280.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
3180.0	172.4	172.4	1.700%	790.5	0.000	0.320	100.0	5240.0	181.3	181.3	-0.700%	0.0	0.000	0.320	100.0	7300.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
3200.0	172.4	172.4	1.700%	790.5	0.000	0.320	100.0	5260.0	181.3	181.3	-0.700%	0.0	0.000	0.320	100.0	7320.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
3220.0	172.4	172.4	1.700%	790.5	0.000	0.320	100.0	5280.0	181.3	181.3	-0.700%	0.0	0.000	0.320	100.0	7340.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
3240.0	172.4	172.4	1.700%	790.5	0.000	0.320	100.0	5300.0	181.3	181.3	-0.700%	0.0	0.000	0.320	100.0	7360.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
3260.0	172.4	172.4	1.700%	790.5	0.000	0.320	100.0	5320.0	181.3	181.3	-0.700%	0.0	0.000	0.320	100.0	7380.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
3280.0	172.4	172.4	1.700%	790.5	0.000	0.320	100.0	5340.0	181.3	181.3	-0.700%	0.0	0.000	0.320	100.0	7400.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
3300.0	172.4	172.4	1.700%	790.5	0.000	0.320	100.0	5360.0	181.3	181.3	-0.700%	0.0	0.000	0.320	100.0	7420.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
3320.0	172.4	172.4	1.700%	790.5	0.000	0.320	100.0	5380.0	181.3	181.3	-0.700%	0.0	0.000	0.320	100.0	7440.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
3340.0	172.4	172.4	1.700%	790.5	0.000	0.320	100.0	5400.0	180.6	180.6	-0.522%	0.0	10000.000	0.320	100.0	7460.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
3360.0	172.4	172.4	1.700%	790.5	0.000	0.320	100.0	5420.0	179.8	179.8	-0.322%	0.0	10000.000	0.320	100.0	7480.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
3380.0	172.4	172.4	1.700%	790.5	0.000	0.320	100.0	5440.0	179.1	179.1	-0.122%	0.0	10000.000	0.320	100.0	7500.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
3400.0	172.4	172.4	1.700%	790.5	0.000	0.320	100.0	5460.0	178.3	178.3	0.078%	0.0	10000.000	0.320	100.0	7520.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
3420.0	172.4	172.4	1.700%	790.5	0.000	0.320	100.0	5480.0	177.5	177.5	0.278%	0.0	10000.000	0.320	100.0	7540.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
3440.0	172.4	172.4	1.700%	790.5	0.000	0.320	100.0	5500.0	176.8	176.8	0.478%	0.0	10000.000	0.320	100.0	7560.0	182.1	182.1	-0.900%	1490.5	0.000	0.320	100.0
3460.0	172.4	172.4	1.700%	790.5	0.000	0.320	100.0	5520.0	176.0	176.0	0.678%	0.0	10000.000	0.320	100.0	7580.0	182.1	182.1	-0.900%	1507.4	0.000	0.320	100.0
3480.0	172.4	172.4	1.700%	790.5	0.000	0.320	100.0	5540.0	175.3	175.3	0.878%	0.0	10000.000	0.320	100.0	7600.0	182.1	182.1	-0.900%	1716.9	0.000	0.320	100.0
3500.0	172.4	172.4	1.700%	790.5	0.000	0.320	100.0	5560.0	174.6	174.6	1.078%	0.0	10000.000	0.320	100.0	7620.0	182.1	182.1	-0.900%	1993.6	0.000	0.320	100.0
3520.0	172.4	172.4	1.700%	790.5	0.000	0.320	100.0	5580.0	173.9	173.9	1.278%	0.0	10000.000	0.320	100.0	7640.0	182.1	182.1	-0.900%	2375.8	0.000	0.320	100.0
3540.0	172.4	172.4	1.700%	790.5	0.000	0.320	100.0	5600.0	173.6	173.6	1.350%	0.0	0.000	0.320	100.0	7660.0	182.1	182.1	-0.900%	2938.3	0.000	0.320	100.0
3560.0	172.4	172.4	1.700%	790.5	0.000	0.320	100.0	5620.0	173.6	173.6	1.350%	0.0	0.000	0.320	100.0	7680.0	182.1	182.1	-0.900%	3848.1	0.000	0.320	100.0
3580.0	172.4	172.4	1.700%	790.5	0.000	0.320	100.0	5640.0	173.6	173.6	1.350%	0.0	0.000	0.320	100.0	7700.0	182.1	182.1	-0.900%	5569.9	0.000	0.320	100.0
3600.0	172.4	172.4	1.700%	790.5	0.000	0.320	100.0	5660.0	173.7	173.7	1.314%	0.0	-31000.000	0.320	100.0	7720.0	182.1	182.1	-0.900%	10068.0	0.000	0.320	100.0
3620.0	172.4	172.4	1.700%	790.5	0.000	0.320	100.0	5680.0	174.0	174.0	1.249%	0.0	-31000.000	0.320	100.0	7740.0	182.1	182.1	-0.900%	51989.9	0.000	0.320	100.0
3640.0	172.4	172.4	1.700%	790.5	0.000	0.320	100.0	5700.0	174.2	174.2	1.185%	0.0	-31000.000	0.320	100.0	7760.0	182.1	182.1	-0.900%	0.0	0.000	0.320	100.0
3660.0	172.5	172.5	1.666%	790.5	-50000.000	0.320	100.0	5720.0	174.4	174.4	1.120%	0.0	-31000.000	0.320	100.0	7780.0	182.1	182.1	-0.900%	0.0	0.000	0.320	100.0
3680.0	172.6	172.6	1.626%	790.5	-50000.000	0.320	100.0	5740.0	174.7	174.7	1.056%	0.0	-31000.000	0.320	100.0	7800.0	182.1	182.1	-0.900%	0.0	0.000	0.320	100.0
3700.0	172.8	172.8	1.586%	790.5	-50000.000	0.320	100.0	5760.0	174.9	174.9	0.991%	0.0	-31000.000	0.320	100.0	7820.0	182.1	182.1	-0.900%	0.0	0.000	0.320	100.0
3720.0	172.9	172.9	1.546%	881.6	-50000.000	0.320	100.0	5780.0	175.1	175.1	0.927%	0.0	-31000.000	0.320	100.0	7840.0	182.1	182.1	-0.900%	0.0	0.000	0.320	100.0
3740.0	173.1	173.1	1.506%	1143.7	-50000.000	0.320	100.0	5800.0	175.4	175.4	0.862%	0.0	-31000.000	0.320	100.0	7860.0	182.1	182.1	-0.900%	0.0	0.000	0.320	100.0
3760.0	173.2	173.2	1.466%	1624.4	-50000.000	0.320	100.0	5820.0	175.6	175.6	0.798%	0.0	-31000.000	0.320	100.0	7880.0	182.1	182.1	-0.900%	0.0	0.000	0.320	100.0
3780.0	173.3	173.3	1.426%	2792.0	-50000.000	0.320	100.0	5840.0	175.8	175.8	0.733%	0.0	-31000.000	0.320	100.0	7900.0	181.9	181.9	-0.848%	0.0	15000.000	0.320	100.0
3800.0	173.5	173.5	1.386%	9809.5	-50000.000	0.320	100.0	5860.0	176.1	176.1	0.669%	0.0	-31000.000	0.320	100.0	7920.0	181.4	181.4	-0.715%	0.0	15000.000	0.320	100.0
3820.0	173.6	173.6	1.346%	-8007.5	-50000.000	0.320	100.0	5880.0	176.3	176.3	0.604%	0.0	-31000.000	0.320	100.0	7940.0	180.9	180.9	-0.582%	0.0	15000.000	0.320	100.0
3840.0	173.8	173.8	1.306%	-3011.2	-50000.000	0.320	100.0	5900.0	176.5	176.5	0.540%	0.0	-31000.000	0.320	100.0	7960.0	180.3	180.3	-0.448%	0.0	15000.000	0.320	100.0
3860.0	173.9	173.9	1.266%	-1857.0	-50000.000	0.320	100.0	5920.0	176.8	176.8	0.475%	0.0	-31000.000	0.320	100.0	7980.0	179.8	179.8	-0.315%	0.0	15000.000	0.320	100.0
3880.0	174.0	174.0	1.226%	-1343.9	-50000.000	0.320	100.0	5940.0	177.0	177.0	0.411%	0.0	-31000.000	0.320	100.0	8000.0	179.3	179.3	-0.182%	0.0	15000.000	0.320	100.0
3900.0	174.2	174.2	1.186%	-1053.9	-50000.000	0.320	100.0	5960.0	177.3	177.3	0.346%	0.0	-31000.000	0.320	100.0	8020.0	178.8	178.8	-0.048%	0.0	15000.000	0.320	100.0
3920.0	174.3	174.3	1.146%	-909.5	-50000.000	0.320	100.0	5980.0	177.5	177.5	0.282%	0.0	-31000.000	0.320	100.0	8040.0	178.3	178.3	0.085%	0.0	15000.000	0.320	100.0
3940.0	174.5	174.5	1.106%	-909.5	-50000.000	0.320	100.0	6000.0	177.8	177.8	0.217%	0.0	-31000.000	0.320	100.0	8060.0	177.8	177.8	0.218%	0.0	15000.000	0.320	100.0
3960.0	174.5	174.5	1.100%	-909.5	0.000	0.320	100.0	6020.0	178.0	178.0	0.153%	0.0	-31000.000	0.320	100.0	8080.0	177.2	177.2	0.352%	0.0	15000.000	0.320	100.0
3980.0	174.5	174.5	1.100%	-909.5	0.000	0.320	100.0	6040.0	178.2	178.2	0.088%	0.0</											

Actualización 2016

Actualización 2019:



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#####
# ESTUDIO DE VISIBILIDAD
#####
# Estudio de Visibilidad de Parada a lo largo de un eje o
# un tramo de eje.
#
#####
# ISTRAM(R) V. 9.28 2168
#####
# Tabla de diseño de alzado (.dia): GRUPO-1.dia
# La distancia de parada = (V * Tp/3.6) + (V*V / (254*(F1 + i)))
#
# Eje: 3 en sentido: Inverso
# Estudio a velocidad fija de 100.0 Km/h
# Eje desde PK: 0.000 hasta PK: 14332.927
# Estudio desde PK: 0.000 hasta PK: 14332.927
#
# Saltos del observador para estudio cada: 20.00 m
# Se supone la visibilidad en los primeros: 60.00 m
# A partir de ahí se estudia la visibilidad cada: 20.00 m
#
# Angulo Focos-rasante, en grados: 1.00
# Angulo de tolerancia horizontal, en grados: 45.00
#
# El ángulo horizontal mide la desviación de la visual entre observador y
# referencia con respecto a la tangente a la trayectoria en el pk de
# estudio.
# El ángulo Focos-rasante mide la desviación de la visual entre observador y
# referencia con respecto a la línea de máxima iluminación de los focos
# del vehículo.
#
# El estudio se hace entre el punto de vista del observador y el punto de la
# referencia configurados.
#
# Trayectoria configurada del observador:
# Superficie: 67
# Lado: Derecho
# Código: 1
# Distancia al código: 5.5 m hacia el exterior
# Altura: 1.10 m desde Calzada Pral.
#
# Trayectoria configurada de la referencia:
# Superficie: 67
# Lado: Derecho
# Código: 1
# Distancia al código: 0.0 m hacia el exterior
# Altura: 0.20 m desde Calzada Pral.
#####

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PK	D.Disp	D.Nece	i	Radio	Kv	f1	V.Est	V.Red	Obstáculo	Dist.Eje	PKObstáculo
14332.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
14312.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
14292.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
14272.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
14252.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
14232.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
14212.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
14192.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
14172.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
14152.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
14132.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
14112.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
14092.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
14072.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
14052.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
14032.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
14012.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13992.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13972.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13952.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13932.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13912.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13892.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13872.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13852.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13832.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13812.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13792.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13772.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13752.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13732.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13712.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13692.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13672.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13652.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13632.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13612.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13592.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13572.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13552.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13532.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13512.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13492.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13472.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13452.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13432.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13412.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13392.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13372.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				

13352.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13332.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13312.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13292.9	180.5	180.5	-0.500%	-10298.9	0.000	0.320	100.0				
13272.9	180.5	180.5	-0.500%	-3623.9	0.000	0.320	100.0				
13252.9	180.5	180.5	-0.500%	-2195.9	0.000	0.320	100.0				
13232.9	180.5	180.5	-0.500%	-1573.7	0.000	0.320	100.0				
13212.9	180.5	180.5	-0.500%	-1225.3	0.000	0.320	100.0				
13192.9	180.5	180.5	-0.500%	-1002.6	0.000	0.320	100.0				
13172.9	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0				
13152.9	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0				
13132.9	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0				
13112.9	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0				
13092.9	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0				
13072.9	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0				
13052.9	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0				
13032.9	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0				
13012.9	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0				
12992.9	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0				
12972.9	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0				
12952.9	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0				
12932.9	180.4	180.4	-0.457%	-990.5	40000.000	0.320	100.0				
12912.9	180.2	180.2	-0.407%	-990.5	40000.000	0.320	100.0				
12892.9	180.0	180.0	-0.357%	-990.5	40000.000	0.320	100.0				
12872.9	179.8	179.8	-0.307%	-990.5	40000.000	0.320	100.0				
12852.9	179.6	179.6	-0.257%	-990.5	40000.000	0.320	100.0				
12832.9	179.4	179.4	-0.207%	-1108.4	40000.000	0.320	100.0				
12812.9	179.2	179.2	-0.157%	-1386.5	40000.000	0.320	100.0				
12792.9	179.0	179.0	-0.107%	-1848.8	40000.000	0.320	100.0				
12772.9	178.8	178.8	-0.057%	-2769.1	40000.000	0.320	100.0				
12752.9	178.6	178.6	-0.007%	-5494.5	40000.000	0.320	100.0				
12732.9	178.4	178.4	0.043%	-9990.5	40000.000	0.320	100.0				
12712.9	178.2	178.2	0.093%	10009.5	40000.000	0.320	100.0				
12692.9	178.0	178.0	0.143%	10009.5	40000.000	0.320	100.0				
12672.9	177.9	177.9	0.193%	10009.5	40000.000	0.320	100.0				
12652.9	177.7	177.7	0.243%	10009.5	40000.000	0.320	100.0				
12632.9	177.5	177.5	0.293%	10009.5	40000.000	0.320	100.0				
12612.9	177.3	177.3	0.343%	10009.5	40000.000	0.320	100.0				
12592.9	177.1	177.1	0.393%	10009.5	40000.000	0.320	100.0				
12572.9	176.9	176.9	0.443%	10009.5	40000.000	0.320	100.0				
12552.9	176.7	176.7	0.493%	10009.5	40000.000	0.320	100.0				
12532.9	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0				
12512.9	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0				
12492.9	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0				
12472.9	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0				
12452.9	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0				
12432.9	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0				
12412.9	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0				
12392.9	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0				
12372.9	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0				
12352.9	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0				
12332.9	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0				
12312.9	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0				
12292.9	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0				
12272.9	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0				
12252.9	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0				
12232.9	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0				
12212.9	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0				
12192.9	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0				
12172.9	176.7	176.7	0								

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B

Proyecto original:



Actualización 2016

Actualización 2019:



9232.9	173.1	173.1	1.500%	3009.5	0.000	0.320	100.0	7172.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	5112.9	176.0	176.0	0.700%	0.0	0.000	0.320	100.0
9212.9	173.1	173.1	1.500%	3009.5	0.000	0.320	100.0	7152.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	5092.9	176.2	176.2	0.638%	0.0	-16000.000	0.320	100.0
9192.9	173.1	173.1	1.500%	3009.5	0.000	0.320	100.0	7132.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	5072.9	176.6	176.6	0.513%	0.0	-16000.000	0.320	100.0
9172.9	173.1	173.1	1.500%	3009.5	0.000	0.320	100.0	7112.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	5052.9	177.1	177.1	0.388%	0.0	-16000.000	0.320	100.0
9152.9	173.1	173.1	1.500%	3009.5	0.000	0.320	100.0	7092.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	5032.9	177.6	177.6	0.263%	0.0	-16000.000	0.320	100.0
9132.9	173.1	173.1	1.500%	3009.5	0.000	0.320	100.0	7072.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	5012.9	178.1	178.1	0.138%	0.0	-16000.000	0.320	100.0
9112.9	173.5	173.5	1.382%	3009.5	-16000.000	0.320	100.0	7052.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	4992.9	178.5	178.5	0.013%	0.0	-16000.000	0.320	100.0
9092.9	173.9	173.9	1.257%	3009.5	-16000.000	0.320	100.0	7032.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	4972.9	179.0	179.0	-0.112%	0.0	-16000.000	0.320	100.0
9072.9	174.4	174.4	1.132%	3009.5	-16000.000	0.320	100.0	7012.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	4952.9	179.5	179.5	-0.237%	0.0	-16000.000	0.320	100.0
9052.9	174.8	174.8	1.007%	3009.5	-16000.000	0.320	100.0	6992.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	4932.9	180.0	180.0	-0.362%	0.0	-16000.000	0.320	100.0
9032.9	175.3	175.3	0.882%	3009.5	-16000.000	0.320	100.0	6972.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	4912.9	180.5	180.5	-0.487%	0.0	-16000.000	0.320	100.0
9012.9	175.7	175.7	0.757%	3009.5	-16000.000	0.320	100.0	6952.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	4892.9	181.0	181.0	-0.612%	0.0	-16000.000	0.320	100.0
8992.9	176.2	176.2	0.632%	3009.5	-16000.000	0.320	100.0	6932.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	4872.9	181.5	181.5	-0.737%	0.0	-16000.000	0.320	100.0
8972.9	176.7	176.7	0.507%	3009.5	-16000.000	0.320	100.0	6912.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	4852.9	182.0	182.0	-0.862%	0.0	-16000.000	0.320	100.0
8952.9	177.1	177.1	0.382%	3009.5	-16000.000	0.320	100.0	6892.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	4832.9	182.5	182.5	-0.987%	0.0	-16000.000	0.320	100.0
8932.9	177.6	177.6	0.257%	3009.5	-16000.000	0.320	100.0	6872.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	4812.9	183.0	183.0	-1.100%	0.0	0.000	0.320	100.0
8912.9	178.1	178.1	0.132%	3009.5	-16000.000	0.320	100.0	6852.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	4792.9	183.0	183.0	-1.100%	0.0	0.000	0.320	100.0
8892.9	178.6	178.6	0.007%	3009.5	-16000.000	0.320	100.0	6832.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	4772.9	183.0	183.0	-1.100%	0.0	0.000	0.320	100.0
8872.9	179.0	179.0	-0.118%	3009.5	-16000.000	0.320	100.0	6812.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	4752.9	183.0	183.0	-1.100%	0.0	0.000	0.320	100.0
8852.9	179.5	179.5	-0.243%	3009.5	-16000.000	0.320	100.0	6792.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	4732.9	183.0	183.0	-1.100%	0.0	0.000	0.320	100.0
8832.9	180.0	180.0	-0.368%	3009.5	-16000.000	0.320	100.0	6772.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	4712.9	183.0	183.0	-1.100%	0.0	0.000	0.320	100.0
8812.9	180.5	180.5	-0.493%	3009.5	-16000.000	0.320	100.0	6752.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	4692.9	183.0	183.0	-1.100%	0.0	0.000	0.320	100.0
8792.9	181.0	181.0	-0.618%	3009.5	-16000.000	0.320	100.0	6732.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	4672.9	183.0	183.0	-1.100%	-9561.4	0.000	0.320	100.0
8772.9	181.5	181.5	-0.743%	3009.5	-16000.000	0.320	100.0	6712.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	4652.9	183.0	183.0	-1.100%	-3189.5	0.000	0.320	100.0
8752.9	182.0	182.0	-0.868%	3009.5	-16000.000	0.320	100.0	6692.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	4632.9	183.0	183.0	-1.100%	-1910.9	0.000	0.320	100.0
8732.9	182.5	182.5	-0.993%	3009.5	-16000.000	0.320	100.0	6672.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	4612.9	183.0	183.0	-1.100%	-1362.6	0.000	0.320	100.0
8712.9	183.0	183.0	-1.118%	3009.5	-16000.000	0.320	100.0	6652.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	4592.9	183.0	183.0	-1.100%	-1057.8	0.000	0.320	100.0
8692.9	183.6	183.6	-1.243%	3009.5	-16000.000	0.320	100.0	6632.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	4572.9	183.0	183.0	-1.100%	-890.5	0.000	0.320	100.0
8672.9	184.1	184.1	-1.368%	3009.5	-16000.000	0.320	100.0	6612.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	4552.9	183.0	183.0	-1.100%	-890.5	0.000	0.320	100.0
8652.9	184.6	184.6	-1.493%	3035.9	-16000.000	0.320	100.0	6592.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	4532.9	183.0	183.0	-1.100%	-890.5	0.000	0.320	100.0
8632.9	185.1	185.1	-1.618%	3230.9	-16000.000	0.320	100.0	6572.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	4512.9	183.0	183.0	-1.100%	-890.5	0.000	0.320	100.0
8612.9	185.7	185.7	-1.743%	3452.8	-16000.000	0.320	100.0	6552.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	4492.9	183.0	183.0	-1.100%	-890.5	0.000	0.320	100.0
8592.9	186.2	186.2	-1.868%	3707.4	-16000.000	0.320	100.0	6532.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	4472.9	183.0	183.0	-1.100%	-890.5	0.000	0.320	100.0
8572.9	186.8	186.8	-1.993%	4002.8	-16000.000	0.320	100.0	6512.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	4452.9	183.0	183.0	-1.100%	-890.5	0.000	0.320	100.0
8552.9	187.3	187.3	-2.118%	4349.4	-16000.000	0.320	100.0	6492.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	4432.9	183.0	183.0	-1.100%	-890.5	0.000	0.320	100.0
8532.9	187.9	187.9	-2.243%	4761.9	-16000.000	0.320	100.0	6472.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	4412.9	183.0	183.0	-1.100%	-890.5	0.000	0.320	100.0
8512.9	188.4	188.4	-2.368%	5261.0	-16000.000	0.320	100.0	6452.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	4392.9	183.0	183.0	-1.100%	-890.5	0.000	0.320	100.0
8492.9	189.0	189.0	-2.493%	5877.3	-16000.000	0.320	100.0	6432.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	4372.9	183.0	183.0	-1.100%	-890.5	0.000	0.320	100.0
8472.9	189.0	189.0	-2.500%	6657.5	0.000	0.320	100.0	6412.9	175.2	175.2	0.900%	1509.5	0.000	0.320	100.0	4352.9	183.0	183.0	-1.100%	-890.5	0.000	0.320	100.0
8452.9	189.0	189.0	-2.500%	7676.9	0.000	0.320	100.0	6392.9	175.2	175.2	0.900%	1576.1	0.000	0.320	100.0	4332.9	183.0	183.0	-1.100%	-890.5	0.000	0.320	100.0
8432.9	189.0	189.0	-2.500%	9065.7	0.000	0.320	100.0	6372.9	175.2	175.2	0.900%	1800.6	0.000	0.320	100.0	4312.9	183.0	183.0	-1.100%	-890.5	0.000	0.320	100.0
8412.9	189.0	189.0	-2.500%	11068.8	0.000	0.320	100.0	6352.9	175.2	175.2	0.900%	2100.2	0.000	0.320	100.0	4292.9	183.0	183.0	-1.100%	-890.5	0.000	0.320	100.0
8392.9	188.7	188.7	-2.438%	14209.6	15000.000	0.320	100.0	6332.9	175.4	175.4	0.857%	2520.1	-31000.000	0.320	100.0	4272.9	183.0	183.0	-1.100%	-890.5	0.000	0.320	100.0
8372.9	188.1	188.1	-2.305%	19842.1	15000.000	0.320	100.0	6312.9	175.6	175.6	0.792%	3151.0	-31000.000	0.320	100.0	4252.9	183.0	183.0	-1.100%	-890.5	0.000	0.320	100.0
8352.9	187.5	187.5	-2.171%	32880.5	15000.000	0.320	100.0	6292.9	175.9	175.9	0.728%	4205.6	-31000.000	0.320	100.0	4232.9	183.0	183.0	-1.100%	-890.5	0.000	0.320	100.0
8332.9	187.0	187.0	-2.038%	95960.7	15000.000	0.320	100.0	6272.9	176.1	176.1	0.663%	6326.0	-31000.000	0.320	100.0	4212.9	183.0	183.0	-1.100%	-890.5	0.000	0.320	100.0
8312.9	186.4	186.4	-1.905%	0.0	15000.000	0.320	100.0	6252.9	176.3	176.3	0.599%	12778.2	-31000.000	0.320									

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B

Proyecto original:



Actualización 2016

Actualización 2019:



980.0	176.3	176.3	0.617%	-806.0	20000.000	0.320	100.0	3040.0	172.4	172.4	1.700%	794.0	0.000	0.320	100.0	5100.0	181.3	181.3	-0.682%	0.0	-16000.000	0.320	100.0
1000.0	175.9	175.9	0.717%	-806.0	20000.000	0.320	100.0	3060.0	172.4	172.4	1.700%	794.0	0.000	0.320	100.0	5120.0	181.3	181.3	-0.700%	0.0	0.000	0.320	100.0
1020.0	175.5	175.5	0.817%	-806.0	20000.000	0.320	100.0	3080.0	172.4	172.4	1.700%	794.0	0.000	0.320	100.0	5140.0	181.3	181.3	-0.700%	0.0	0.000	0.320	100.0
1040.0	175.2	175.2	0.917%	-806.0	20000.000	0.320	100.0	3100.0	172.4	172.4	1.700%	794.0	0.000	0.320	100.0	5160.0	181.3	181.3	-0.700%	0.0	0.000	0.320	100.0
1060.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0	3120.0	172.4	172.4	1.700%	794.0	0.000	0.320	100.0	5180.0	181.3	181.3	-0.700%	0.0	0.000	0.320	100.0
1080.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0	3140.0	172.4	172.4	1.700%	794.0	0.000	0.320	100.0	5200.0	181.3	181.3	-0.700%	0.0	0.000	0.320	100.0
1100.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0	3160.0	172.4	172.4	1.700%	794.0	0.000	0.320	100.0	5220.0	181.3	181.3	-0.700%	0.0	0.000	0.320	100.0
1120.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0	3180.0	172.4	172.4	1.700%	794.0	0.000	0.320	100.0	5240.0	181.3	181.3	-0.700%	0.0	0.000	0.320	100.0
1140.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0	3200.0	172.4	172.4	1.700%	794.0	0.000	0.320	100.0	5260.0	181.3	181.3	-0.700%	0.0	0.000	0.320	100.0
1160.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0	3220.0	172.4	172.4	1.700%	794.0	0.000	0.320	100.0	5280.0	181.3	181.3	-0.700%	0.0	0.000	0.320	100.0
1180.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0	3240.0	172.4	172.4	1.700%	794.0	0.000	0.320	100.0	5300.0	181.3	181.3	-0.700%	0.0	0.000	0.320	100.0
1200.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0	3260.0	172.4	172.4	1.700%	794.0	0.000	0.320	100.0	5320.0	181.3	181.3	-0.700%	0.0	0.000	0.320	100.0
1220.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0	3280.0	172.4	172.4	1.700%	794.0	0.000	0.320	100.0	5340.0	181.3	181.3	-0.700%	0.0	0.000	0.320	100.0
1240.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0	3300.0	172.4	172.4	1.700%	794.0	0.000	0.320	100.0	5360.0	181.3	181.3	-0.700%	0.0	0.000	0.320	100.0
1260.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0	3320.0	172.4	172.4	1.700%	794.0	0.000	0.320	100.0	5380.0	181.3	181.3	-0.700%	0.0	0.000	0.320	100.0
1280.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0	3340.0	172.4	172.4	1.700%	794.0	0.000	0.320	100.0	5400.0	180.6	180.6	-0.522%	0.0	10000.000	0.320	100.0
1300.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0	3360.0	172.4	172.4	1.700%	794.0	0.000	0.320	100.0	5420.0	179.8	179.8	-0.322%	0.0	10000.000	0.320	100.0
1320.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0	3380.0	172.4	172.4	1.700%	794.0	0.000	0.320	100.0	5440.0	179.1	179.1	-0.122%	0.0	10000.000	0.320	100.0
1340.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0	3400.0	172.4	172.4	1.700%	794.0	0.000	0.320	100.0	5460.0	178.3	178.3	0.078%	0.0	10000.000	0.320	100.0
1360.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0	3420.0	172.4	172.4	1.700%	794.0	0.000	0.320	100.0	5480.0	177.5	177.5	0.278%	0.0	10000.000	0.320	100.0
1380.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0	3440.0	172.4	172.4	1.700%	794.0	0.000	0.320	100.0	5500.0	176.8	176.8	0.478%	0.0	10000.000	0.320	100.0
1400.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0	3460.0	172.4	172.4	1.700%	794.0	0.000	0.320	100.0	5520.0	176.0	176.0	0.678%	0.0	10000.000	0.320	100.0
1420.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0	3480.0	172.4	172.4	1.700%	794.0	0.000	0.320	100.0	5540.0	175.3	175.3	0.878%	0.0	10000.000	0.320	100.0
1440.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0	3500.0	172.4	172.4	1.700%	794.0	0.000	0.320	100.0	5560.0	174.6	174.6	1.078%	0.0	10000.000	0.320	100.0
1460.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0	3520.0	172.4	172.4	1.700%	794.0	0.000	0.320	100.0	5580.0	173.9	173.9	1.278%	0.0	10000.000	0.320	100.0
1480.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0	3540.0	172.4	172.4	1.700%	794.0	0.000	0.320	100.0	5600.0	173.6	173.6	1.350%	0.0	0.000	0.320	100.0
1500.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0	3560.0	172.4	172.4	1.700%	794.0	0.000	0.320	100.0	5620.0	173.6	173.6	1.350%	0.0	0.000	0.320	100.0
1520.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0	3580.0	172.4	172.4	1.700%	794.0	0.000	0.320	100.0	5640.0	173.6	173.6	1.350%	0.0	0.000	0.320	100.0
1540.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0	3600.0	172.4	172.4	1.700%	794.0	0.000	0.320	100.0	5660.0	173.7	173.7	1.314%	0.0	-31000.000	0.320	100.0
1560.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0	3620.0	172.4	172.4	1.700%	794.0	0.000	0.320	100.0	5680.0	174.0	174.0	1.249%	0.0	-31000.000	0.320	100.0
1580.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0	3640.0	172.4	172.4	1.700%	794.0	0.000	0.320	100.0	5700.0	174.2	174.2	1.185%	0.0	-31000.000	0.320	100.0
1600.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0	3660.0	172.5	172.5	1.666%	794.0	-50000.000	0.320	100.0	5720.0	174.4	174.4	1.128%	0.0	-31000.000	0.320	100.0
1620.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0	3680.0	172.6	172.6	1.626%	794.0	-50000.000	0.320	100.0	5740.0	174.7	174.7	1.056%	0.0	-31000.000	0.320	100.0
1640.0	175.0	175.0	0.970%	-806.0	-31000.000	0.320	100.0	3700.0	172.8	172.8	1.586%	794.0	-50000.000	0.320	100.0	5760.0	174.9	174.9	0.991%	0.0	-31000.000	0.320	100.0
1660.0	175.2	175.2	0.906%	-806.0	-31000.000	0.320	100.0	3720.0	172.9	172.9	1.546%	885.1	-50000.000	0.320	100.0	5780.0	175.1	175.1	0.927%	0.0	-31000.000	0.320	100.0
1680.0	175.4	175.4	0.841%	-806.0	-31000.000	0.320	100.0	3740.0	173.1	173.1	1.506%	1147.2	-50000.000	0.320	100.0	5800.0	175.4	175.4	0.862%	0.0	-31000.000	0.320	100.0
1700.0	175.7	175.7	0.777%	-806.0	-31000.000	0.320	100.0	3760.0	173.2	173.2	1.466%	1627.9	-50000.000	0.320	100.0	5820.0	175.6	175.6	0.798%	0.0	-31000.000	0.320	100.0
1720.0	175.9	175.9	0.712%	-806.0	-31000.000	0.320	100.0	3780.0	173.3	173.3	1.426%	2795.5	-50000.000	0.320	100.0	5840.0	175.8	175.8	0.733%	0.0	-31000.000	0.320	100.0
1740.0	176.1	176.1	0.648%	-806.0	-31000.000	0.320	100.0	3800.0	173.5	173.5	1.386%	9813.0	-50000.000	0.320	100.0	5860.0	176.1	176.1	0.669%	0.0	-31000.000	0.320	100.0
1760.0	176.4	176.4	0.583%	-806.0	-31000.000	0.320	100.0	3820.0	173.6	173.6	1.346%	-8004.0	-50000.000	0.320	100.0	5880.0	176.3	176.3	0.604%	0.0	-31000.000	0.320	100.0
1780.0	176.6	176.6	0.519%	-806.0	-31000.000	0.320	100.0	3840.0	173.8	173.8	1.306%	-3007.7	-50000.000	0.320	100.0	5900.0	176.5	176.5	0.540%	0.0	-31000.000	0.320	100.0
1800.0	176.9	176.9	0.454%	-806.0	-31000.000	0.320	100.0	3860.0	173.9	173.9	1.266%	-1853.5	-50000.000	0.320	100.0	5920.0	176.8	176.8	0.475%	0.0	-31000.000	0.320	100.0
1820.0	177.1	177.1	0.390%	-806.0	-31000.000	0.320	100.0	3880.0	174.0	174.0	1.226%	-1340.4	-50000.000	0.320	100.0	5940.0	177.0	177.0	0.411%	0.0	-31000.000	0.320	100.0
1840.0	177.3	177.3	0.325%	-806.0	-31000.000	0.320	100.0	3900.0	174.2	174.2	1.186%	-1050.4	-50000.000	0.320	100.0	5960.0	177.3	177.3	0.346%	0.0	-31000.000	0.320	100.0
1860.0	177.6	177.6	0.261%	-806.0	-31000.000	0.320	100.0	3920.0	174.3	174.3	1.146%	-906.0	-50000.000	0.320	100.0	5980.0	177.5	177.5	0.282%	0.0	-31000.000	0.320	100.0
1880.0	177.8	177.8	0.196%	-806.0	-31000.000	0.320	100.0	3940.0	174.5	174.5	1.106%	-906.0	-50000.000	0.320	100.0	6000.0	177.8	177.8	0.217%	0.0	-31000.000	0.320	100.0
1900.0	178.1	178.1	0.132%	-806.0	-31000.000	0.320	100.0	3960.0	174.5	174.5	1.100%	-906.0	0.000	0.320	100.0	6020.0	178.0	178.0	0.153%	0.0	-31000.000	0.320	100.0
1920.0																							

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



7160.0	182.1	182.1	-0.900%	1494.0	0.000	0.320	100.0	9220.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	11280.0	173.3	173.3	1.430%	-10006.0	-16000.000	0.320	100.0
7180.0	182.1	182.1	-0.900%	1494.0	0.000	0.320	100.0	9240.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	11300.0	173.8	173.8	1.305%	-10006.0	-16000.000	0.320	100.0
7200.0	182.1	182.1	-0.900%	1494.0	0.000	0.320	100.0	9260.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	11320.0	174.2	174.2	1.180%	-10006.0	-16000.000	0.320	100.0
7220.0	182.1	182.1	-0.900%	1494.0	0.000	0.320	100.0	9280.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	11340.0	174.7	174.7	1.055%	-10006.0	-16000.000	0.320	100.0
7240.0	182.1	182.1	-0.900%	1494.0	0.000	0.320	100.0	9300.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	11360.0	175.1	175.1	0.930%	-10006.0	-16000.000	0.320	100.0
7260.0	182.1	182.1	-0.900%	1494.0	0.000	0.320	100.0	9320.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	11380.0	175.6	175.6	0.805%	-10006.0	-16000.000	0.320	100.0
7280.0	182.1	182.1	-0.900%	1494.0	0.000	0.320	100.0	9340.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	11400.0	176.0	176.0	0.680%	-10006.0	-16000.000	0.320	100.0
7300.0	182.1	182.1	-0.900%	1494.0	0.000	0.320	100.0	9360.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	11420.0	176.5	176.5	0.555%	-10006.0	-16000.000	0.320	100.0
7320.0	182.1	182.1	-0.900%	1494.0	0.000	0.320	100.0	9380.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	11440.0	177.0	177.0	0.430%	-10006.0	-16000.000	0.320	100.0
7340.0	182.1	182.1	-0.900%	1494.0	0.000	0.320	100.0	9400.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	11460.0	177.4	177.4	0.305%	-10006.0	-16000.000	0.320	100.0
7360.0	182.1	182.1	-0.900%	1494.0	0.000	0.320	100.0	9420.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	11480.0	177.9	177.9	0.180%	-10006.0	-16000.000	0.320	100.0
7380.0	182.1	182.1	-0.900%	1494.0	0.000	0.320	100.0	9440.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	11500.0	178.4	178.4	0.055%	-10006.0	-16000.000	0.320	100.0
7400.0	182.1	182.1	-0.900%	1494.0	0.000	0.320	100.0	9460.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	11520.0	178.9	178.9	-0.070%	-10006.0	-16000.000	0.320	100.0
7420.0	182.1	182.1	-0.900%	1494.0	0.000	0.320	100.0	9480.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	11540.0	179.3	179.3	-0.195%	-10006.0	-16000.000	0.320	100.0
7440.0	182.1	182.1	-0.900%	1494.0	0.000	0.320	100.0	9500.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	11560.0	179.8	179.8	-0.320%	-10006.0	-16000.000	0.320	100.0
7460.0	182.1	182.1	-0.900%	1494.0	0.000	0.320	100.0	9520.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	11580.0	180.3	180.3	-0.445%	-10006.0	-16000.000	0.320	100.0
7480.0	182.1	182.1	-0.900%	1494.0	0.000	0.320	100.0	9540.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	11600.0	180.5	180.5	-0.500%	-10006.0	0.000	0.320	100.0
7500.0	182.1	182.1	-0.900%	1494.0	0.000	0.320	100.0	9560.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	11620.0	180.5	180.5	-0.500%	-10006.0	0.000	0.320	100.0
7520.0	182.1	182.1	-0.900%	1494.0	0.000	0.320	100.0	9580.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	11640.0	180.5	180.5	-0.500%	-10006.0	0.000	0.320	100.0
7540.0	182.1	182.1	-0.900%	1494.0	0.000	0.320	100.0	9600.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	11660.0	180.5	180.5	-0.500%	-10006.0	0.000	0.320	100.0
7560.0	182.1	182.1	-0.900%	1494.0	0.000	0.320	100.0	9620.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	11680.0	180.5	180.5	-0.500%	-10006.0	0.000	0.320	100.0
7580.0	182.1	182.1	-0.900%	1510.9	0.000	0.320	100.0	9640.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	11700.0	180.5	180.5	-0.500%	-10006.0	0.000	0.320	100.0
7600.0	182.1	182.1	-0.900%	1720.4	0.000	0.320	100.0	9660.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	11720.0	180.5	180.5	-0.500%	-10006.0	0.000	0.320	100.0
7620.0	182.1	182.1	-0.900%	1997.1	0.000	0.320	100.0	9680.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	11740.0	180.5	180.5	-0.500%	-10006.0	0.000	0.320	100.0
7640.0	182.1	182.1	-0.900%	2379.3	0.000	0.320	100.0	9700.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	11760.0	180.5	180.5	-0.500%	-10006.0	0.000	0.320	100.0
7660.0	182.1	182.1	-0.900%	2941.8	0.000	0.320	100.0	9720.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	11780.0	180.5	180.5	-0.500%	-10006.0	0.000	0.320	100.0
7680.0	182.1	182.1	-0.900%	3851.6	0.000	0.320	100.0	9740.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	11800.0	180.5	180.5	-0.500%	-10006.0	0.000	0.320	100.0
7700.0	182.1	182.1	-0.900%	5573.4	0.000	0.320	100.0	9760.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	11820.0	180.5	180.5	-0.500%	-10006.0	0.000	0.320	100.0
7720.0	182.1	182.1	-0.900%	10071.5	0.000	0.320	100.0	9780.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	11840.0	180.5	180.5	-0.500%	-10006.0	0.000	0.320	100.0
7740.0	182.1	182.1	-0.900%	51993.4	0.000	0.320	100.0	9800.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	11860.0	180.5	180.5	-0.500%	-10006.0	0.000	0.320	100.0
7760.0	182.1	182.1	-0.900%	0.0	0.000	0.320	100.0	9820.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	11880.0	180.5	180.5	-0.500%	-10006.0	0.000	0.320	100.0
7780.0	182.1	182.1	-0.900%	0.0	0.000	0.320	100.0	9840.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	11900.0	180.5	180.5	-0.500%	-10006.0	0.000	0.320	100.0
7800.0	182.1	182.1	-0.900%	0.0	0.000	0.320	100.0	9860.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	11920.0	180.5	180.5	-0.500%	-10006.0	0.000	0.320	100.0
7820.0	182.1	182.1	-0.900%	0.0	0.000	0.320	100.0	9880.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	11940.0	180.5	180.5	-0.500%	-10006.0	0.000	0.320	100.0
7840.0	182.1	182.1	-0.900%	0.0	0.000	0.320	100.0	9900.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	11960.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0
7860.0	182.1	182.1	-0.900%	0.0	0.000	0.320	100.0	9920.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	11980.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0
7880.0	182.1	182.1	-0.900%	0.0	0.000	0.320	100.0	9940.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	12000.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0
7900.0	181.9	181.9	-0.848%	0.0	15000.000	0.320	100.0	9960.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	12020.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0
7920.0	181.4	181.4	-0.715%	0.0	15000.000	0.320	100.0	9980.0	184.6	184.6	-1.500%	2994.0	0.000	0.320	100.0	12040.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0
7940.0	180.9	180.9	-0.582%	0.0	15000.000	0.320	100.0	10000.0	184.8	184.8	-1.538%	2994.0	-31000.000	0.320	100.0	12060.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0
7960.0	180.3	180.3	-0.448%	0.0	15000.000	0.320	100.0	10020.0	185.1	185.1	-1.602%	2994.0	-31000.000	0.320	100.0	12080.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0
7980.0	179.8	179.8	-0.315%	0.0	15000.000	0.320	100.0	10040.0	185.3	185.3	-1.667%	2994.0	-31000.000	0.320	100.0	12100.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0
8000.0	179.3	179.3	-0.182%	0.0	15000.000	0.320	100.0	10060.0	185.6	185.6	-1.731%	2994.0	-31000.000	0.320	100.0	12120.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0
8020.0	178.8	178.8	-0.048%	0.0	15000.000	0.320	100.0	10080.0	185.9	185.9	-1.796%	2994.0	-31000.000	0.320	100.0	12140.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0
8040.0	178.3	178.3	0.085%	0.0	15000.000	0.320	100.0	10100.0	186.2	186.2	-1.860%	2994.0	-31000.000	0.320	100.0	12160.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0
8060.0	177.8	177.8	0.218%	0.0	15000.000	0.320	100.0	10120.0	186.5	186.5	-1.925%	2994.0	-31000.000	0.320	100.0	12180.0	180.5	180.5	-0.500%	9994.0	0.000	0.320	100.0
8080.0	177.2	177.2	0.352%	0.0	15000.000	0.320	100.0	10140.0	186.7	186.7	-1.990%	2994.0	-31000.000	0.320	100.0	12200.0	180.5	180.5	-0.				

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



13340.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13360.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13380.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13400.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13420.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13440.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13460.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13480.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13500.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13520.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13540.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13560.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13580.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13600.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13620.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13640.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13660.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13680.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13700.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13720.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13740.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13760.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13780.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13800.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13820.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13840.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13860.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13880.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13900.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13920.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13940.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13960.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
13980.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
14000.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
14020.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
14040.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
14060.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
14080.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
14100.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
14120.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
14140.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
14160.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
14180.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
14200.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
14220.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
14240.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
14260.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
14280.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
14300.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0

```
#####
# ESTUDIO DE VISIBILIDAD #
#####
# Estudio de Visibilidad de Parada a lo largo de un eje o #
# un tramo de eje. #
#####
# ISTRAM(R) V. 9.28 2168 #
#####
# Tabla de diseño de alzado (.dia): GRUPO-1.dia #
# La distancia de parada = (V * Tp/3.6) + (V*V / (254*(F1 + i))) #
# # #
# Eje: 3 en sentido: Inverso #
# Estudio a velocidad fija de 100.0 Km/h #
# Eje desde PK: 0.000 hasta PK: 14332.927 #
# Estudio desde PK: 0.000 hasta PK: 14332.927 #
# # #
# Saltos del observador para estudio cada: 20.00 m #
# Se supone la visibilidad en los primeros: 60.00 m #
# A partir de ahí se estudia la visibilidad cada: 20.00 m #
# # #
# Angulo Focos-rasante, en grados: 1.00 #
# Angulo de tolerancia horizontal, en grados: 45.00 #
# # #
# El ángulo horizontal mide la desviación de la visual entre observador y #
# referencia con respecto a la tangente a la trayectoria en el pk de #
# estudio. #
# El ángulo Focos-rasante mide la desviación de la visual entre observador y #
# referencia con respecto a la línea de máxima iluminación de los focos #
# del vehículo. #
# # #
# El estudio se hace entre el punto de vista del observador y el punto de la #
# referencia configurados. #
# # #
# Trayectoria configurada del observador: #
# Superficie: 67 #
# Lado: Derecho #
# Código: 1 #
# Distancia al código: 2.0 m hacia el exterior #
# Altura: 1.10 m desde Calzada Pral. #
# # #
# Trayectoria configurada de la referencia: #
# Superficie: 67 #
# Lado: Derecho #
# Código: 1 #
# Distancia al código: 0.0 m hacia el exterior #
# Altura: 0.20 m desde Calzada Pral. #
# # #
#####
```

13352.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0
13332.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0
13312.9	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0
13292.9	180.5	180.5	-0.500%	-10302.4	0.000	0.320	100.0
13272.9	180.5	180.5	-0.500%	-3627.4	0.000	0.320	100.0
13252.9	180.5	180.5	-0.500%	-2199.4	0.000	0.320	100.0
13232.9	180.5	180.5	-0.500%	-1577.2	0.000	0.320	100.0
13212.9	180.5	180.5	-0.500%	-1228.8	0.000	0.320	100.0
13192.9	180.5	180.5	-0.500%	-1006.1	0.000	0.320	100.0
13172.9	180.5	180.5	-0.500%	-994.0	0.000	0.320	100.0
13152.9	180.5	180.5	-0.500%	-994.0	0.000	0.320	100.0
13132.9	180.5	180.5	-0.500%	-994.0	0.000	0.320	100.0
13112.9	180.5	180.5	-0.500%	-994.0	0.000	0.320	100.0
13092.9	180.5	180.5	-0.500%	-994.0	0.000	0.320	100.0
13072.9	180.5	180.5	-0.500%	-994.0	0.000	0.320	100.0
13052.9	180.5	180.5	-0.500%	-994.0	0.000	0.320	100.0
13032.9	180.5	180.5	-0.500%	-994.0	0.000	0.320	100.0
13012.9	180.5	180.5	-0.500%	-994.0	0.000	0.320	100.0
12992.9	180.5	180.5	-0.500%	-994.0	0.000	0.320	100.0
12972.9	180.5	180.5	-0.500%	-994.0	0.000	0.320	100.0
12952.9	180.5	180.5	-0.500%	-994.0	0.000	0.320	100.0
12932.9	180.4	180.4	-0.457%	-994.0	40000.000	0.320	100.0
12912.9	180.2	180.2	-0.407%	-994.0	40000.000	0.320	100.0
12892.9	180.0	180.0	-0.357%	-994.0	40000.000	0.320	100.0
12872.9	179.8	179.8	-0.307%	-994.0	40000.000	0.320	100.0
12852.9	179.6	179.6	-0.257%	-994.0	40000.000	0.320	100.0
12832.9	179.4	179.4	-0.207%	-1111.9	40000.000	0.320	100.0
12812.9	179.2	179.2	-0.157%	-1390.0	40000.000	0.320	100.0
12792.9	179.0	179.0	-0.107%	-1852.3	40000.000	0.320	100.0
12772.9	178.8	178.8	-0.057%	-2772.6	40000.000	0.320	100.0
12752.9	178.6	178.6	-0.007%	-5498.0	40000.000	0.320	100.0
12732.9	178.4	178.4	0.043%	-9994.0	40000.000	0.320	100.0
12712.9	178.2	178.2	0.093%	10006.0	40000.000	0.320	100.0
12692.9	178.0	178.0	0.143%	10006.0	40000.000	0.320	100.0
12672.9	177.9	177.9	0.193%	10006.0	40000.000	0.320	100.0
12652.9	177.7	177.7	0.243%	10006.0	40000.000	0.320	100.0
12632.9	177.5	177.5	0.293%	10006.0	40000.000	0.320	100.0
12612.9	177.3	177.3	0.343%	10006.0	40000.000	0.320	100.0
12592.9	177.1	177.1	0.393%	10006.0	40000.000	0.320	100.0
12572.9	176.9	176.9	0.443%	10006.0	40000.000	0.320	100.0
12552.9	176.7	176.7	0.493%	10006.0	40000.000	0.320	100.0
12532.9	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0
12512.9	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0
12492.9	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0
12472.9	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0
12452.9	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0
12432.9	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0
12412.9	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0
12392.9	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0
12372.9	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0
12352.9	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0
12332.9	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0
12312.9	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0
12292.9	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0
12272.9	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0
12252.9	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0
12232.9	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0
12212.9	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0
12192.9	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0
12172.9	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0
12152.9	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0
12132.9	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0
12112.9	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0
12092.9	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0
12072.9	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0
12052.9	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0
12032.9	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0
12012.9	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0
11992.9	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0
11972.9	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0
11952.9	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0
11932.9	176.7	176.7	0.500%	-9994.0	0.000	0.320	100.0
11912.9	176.7	176.7	0.500%	-9994.0	0.000	0.320	100.0
11892.9	176.7	176.7	0.500%	-9994.0	0.000	0.320	100.0
11872.9	176.7	176.7	0.500%	-9994.0	0.000	0.320	100.0
11852.9	176.7	176.7	0.500%	-9994.0	0.000	0.320	100.0
11832.9	176.7	176.7	0.500%	-9994.0	0.000	0.320	100.0
11812.9	176.7	176.7	0.500%	-9994.0	0.000	0.320	100.0
11792.9	176.7	176.7	0.500%	-9994.0	0.000	0.320	100.0
11772.9	176.7	176.7	0.500%	-9994.0	0.000</		

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



11292.9	184.0	184.0	-1.349%	-9994.0	-16000.000	0.320	100.0	9232.9	173.1	173.1	1.500%	3006.0	0.000	0.320	100.0	7172.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
11272.9	184.5	184.5	-1.474%	-9994.0	-16000.000	0.320	100.0	9212.9	173.1	173.1	1.500%	3006.0	0.000	0.320	100.0	7152.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
11252.9	185.1	185.1	-1.599%	-9994.0	-16000.000	0.320	100.0	9192.9	173.1	173.1	1.500%	3006.0	0.000	0.320	100.0	7132.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
11232.9	185.6	185.6	-1.724%	-9994.0	-16000.000	0.320	100.0	9172.9	173.1	173.1	1.500%	3006.0	0.000	0.320	100.0	7112.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
11212.9	186.1	186.1	-1.849%	-9994.0	-16000.000	0.320	100.0	9152.9	173.1	173.1	1.500%	3006.0	0.000	0.320	100.0	7092.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
11192.9	186.7	186.7	-1.974%	-9994.0	-16000.000	0.320	100.0	9132.9	173.1	173.1	1.500%	3006.0	0.000	0.320	100.0	7072.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
11172.9	186.8	186.8	-2.000%	-9994.0	0.000	0.320	100.0	9112.9	173.5	173.5	1.382%	3006.0	-16000.000	0.320	100.0	7052.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
11152.9	186.8	186.8	-2.000%	-9994.0	0.000	0.320	100.0	9092.9	173.9	173.9	1.257%	3006.0	-16000.000	0.320	100.0	7032.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
11132.9	186.8	186.8	-2.000%	-9994.0	0.000	0.320	100.0	9072.9	174.4	174.4	1.132%	3006.0	-16000.000	0.320	100.0	7012.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
11112.9	186.8	186.8	-2.000%	-9994.0	0.000	0.320	100.0	9052.9	174.8	174.8	1.007%	3006.0	-16000.000	0.320	100.0	6992.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
11092.9	186.8	186.8	-2.000%	-9994.0	0.000	0.320	100.0	9032.9	175.3	175.3	0.882%	3006.0	-16000.000	0.320	100.0	6972.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
11072.9	186.8	186.8	-2.000%	-9994.0	0.000	0.320	100.0	9012.9	175.7	175.7	0.757%	3006.0	-16000.000	0.320	100.0	6952.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
11052.9	186.8	186.8	-2.000%	-9994.0	0.000	0.320	100.0	8992.9	176.2	176.2	0.632%	3006.0	-16000.000	0.320	100.0	6932.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
11032.9	186.8	186.8	-2.000%	-9994.0	0.000	0.320	100.0	8972.9	176.7	176.7	0.507%	3006.0	-16000.000	0.320	100.0	6912.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
11012.9	186.7	186.7	-1.990%	-9994.0	10000.000	0.320	100.0	8952.9	177.1	177.1	0.382%	3006.0	-16000.000	0.320	100.0	6892.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
10992.9	185.9	185.9	-1.790%	-9994.0	10000.000	0.320	100.0	8932.9	177.6	177.6	0.257%	3006.0	-16000.000	0.320	100.0	6872.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
10972.9	185.0	185.0	-1.590%	-9994.0	10000.000	0.320	100.0	8912.9	178.1	178.1	0.132%	3006.0	-16000.000	0.320	100.0	6852.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
10952.9	184.2	184.2	-1.390%	-9994.0	10000.000	0.320	100.0	8892.9	178.6	178.6	0.007%	3006.0	-16000.000	0.320	100.0	6832.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
10932.9	183.3	183.3	-1.190%	-9994.0	10000.000	0.320	100.0	8872.9	179.0	179.0	-0.118%	3006.0	-16000.000	0.320	100.0	6812.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
10912.9	182.5	182.5	-0.990%	-9994.0	10000.000	0.320	100.0	8852.9	179.5	179.5	-0.243%	3006.0	-16000.000	0.320	100.0	6792.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
10892.9	181.7	181.7	-0.790%	-9994.0	10000.000	0.320	100.0	8832.9	180.0	180.0	-0.368%	3006.0	-16000.000	0.320	100.0	6772.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
10872.9	180.9	180.9	-0.590%	-9994.0	10000.000	0.320	100.0	8812.9	180.5	180.5	-0.493%	3006.0	-16000.000	0.320	100.0	6752.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
10852.9	180.1	180.1	-0.390%	-9994.0	10000.000	0.320	100.0	8792.9	181.0	181.0	-0.618%	3006.0	-16000.000	0.320	100.0	6732.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
10832.9	179.3	179.3	-0.190%	-9994.0	10000.000	0.320	100.0	8772.9	181.5	181.5	-0.743%	3006.0	-16000.000	0.320	100.0	6712.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
10812.9	178.5	178.5	0.010%	-9994.0	10000.000	0.320	100.0	8752.9	182.0	182.0	-0.868%	3006.0	-16000.000	0.320	100.0	6692.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
10792.9	177.8	177.8	0.210%	-9994.0	10000.000	0.320	100.0	8732.9	182.5	182.5	-0.993%	3006.0	-16000.000	0.320	100.0	6672.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
10772.9	177.0	177.0	0.410%	-9994.0	10000.000	0.320	100.0	8712.9	183.0	183.0	-1.118%	3006.0	-16000.000	0.320	100.0	6652.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
10752.9	176.3	176.3	0.610%	-9994.0	10000.000	0.320	100.0	8692.9	183.6	183.6	-1.243%	3006.0	-16000.000	0.320	100.0	6632.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
10732.9	175.5	175.5	0.810%	-9994.0	10000.000	0.320	100.0	8672.9	184.1	184.1	-1.368%	3006.0	-16000.000	0.320	100.0	6612.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
10712.9	174.8	174.8	1.010%	-9994.0	10000.000	0.320	100.0	8652.9	184.6	184.6	-1.493%	3032.4	-16000.000	0.320	100.0	6592.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
10692.9	174.1	174.1	1.210%	-9994.0	10000.000	0.320	100.0	8632.9	185.1	185.1	-1.618%	3227.4	-16000.000	0.320	100.0	6572.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
10672.9	173.4	173.4	1.410%	-9994.0	10000.000	0.320	100.0	8612.9	185.7	185.7	-1.743%	3449.7	-16000.000	0.320	100.0	6552.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
10652.9	172.7	172.7	1.610%	-9994.0	10000.000	0.320	100.0	8592.9	186.2	186.2	-1.868%	3703.9	-16000.000	0.320	100.0	6532.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
10632.9	172.0	172.0	1.810%	-9994.0	10000.000	0.320	100.0	8572.9	186.8	186.8	-1.993%	3999.3	-16000.000	0.320	100.0	6512.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
10612.9	171.3	171.3	2.010%	-9994.0	10000.000	0.320	100.0	8552.9	187.3	187.3	-2.118%	4345.9	-16000.000	0.320	100.0	6492.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
10592.9	170.6	170.6	2.210%	-9994.0	10000.000	0.320	100.0	8532.9	187.9	187.9	-2.243%	4758.4	-16000.000	0.320	100.0	6472.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
10572.9	170.0	170.0	2.410%	-9994.0	10000.000	0.320	100.0	8512.9	188.4	188.4	-2.368%	5257.5	-16000.000	0.320	100.0	6452.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
10552.9	169.3	169.3	2.610%	-9994.0	10000.000	0.320	100.0	8492.9	189.0	189.0	-2.493%	5873.8	-16000.000	0.320	100.0	6432.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
10532.9	168.7	168.7	2.810%	-9994.0	10000.000	0.320	100.0	8472.9	189.0	189.0	-2.500%	6654.0	0.000	0.320	100.0	6412.9	175.2	175.2	0.900%	1506.0	0.000	0.320	100.0
10512.9	168.0	168.0	3.000%	-9994.0	0.000	0.320	100.0	8452.9	189.0	189.0	-2.500%	7673.4	0.000	0.320	100.0	6392.9	175.2	175.2	0.900%	1572.6	0.000	0.320	100.0
10492.9	168.0	168.0	3.000%	57229.7	0.000	0.320	100.0	8432.9	189.0	189.0	-2.500%	9062.2	0.000	0.320	100.0	6372.9	175.2	175.2	0.900%	1797.1	0.000	0.320	100.0
10472.9	168.0	168.0	3.000%	26690.3	0.000	0.320	100.0	8412.9	189.0	189.0	-2.500%	11065.3	0.000	0.320	100.0	6352.9	175.2	175.2	0.900%	2096.7	0.000	0.320	100.0
10452.9	168.0	168.0	2.999%	17404.8	-31000.000	0.320	100.0	8392.9	188.7	188.7	-2.438%	14206.1	15000.000	0.320	100.0	6332.9	175.4	175.4	0.857%	2516.6	-31000.000	0.320	100.0
10432.9	168.3	168.3	2.934%	12913.3	-31000.000	0.320	100.0	8372.9	188.1	188.1	-2.305%	19838.6	15000.000	0.320	100.0	6312.9	175.6	175.6	0.792%	3147.5	-31000.000	0.320	100.0
10412.9	168.5	168.5	2.870%	10265.0	-31000.000	0.320	100.0	8352.9	187.5	187.5	-2.171%	32877.0	15000.000	0.320	100.0	6292.9	175.9	175.9	0.728%	4202.1	-31000.000	0.320	100.0
10392.9	168.7	168.7	2.805%	8518.4	-31000.000	0.320	100.0	8332.9	187.0	187.0	-2.038%	45957.2	15000.000	0.320	100.0	6272.9	176.1	176.1	0.663%	6322.5	-31000.000	0.320	100.0
10372.9	1																						

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



5112.9	176.0	176.0	0.700%	0.0	0.000	0.320	100.0	3052.9	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	992.9	181.3	181.3	-0.682%	-794.0	20000.000	0.320	100.0
5092.9	176.2	176.2	0.638%	0.0	-16000.000	0.320	100.0	3032.9	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	972.9	180.9	180.9	-0.582%	-794.0	20000.000	0.320	100.0
5072.9	176.6	176.6	0.513%	0.0	-16000.000	0.320	100.0	3012.9	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	952.9	180.5	180.5	-0.482%	-794.0	20000.000	0.320	100.0
5052.9	177.1	177.1	0.388%	0.0	-16000.000	0.320	100.0	2992.9	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	932.9	180.1	180.1	-0.382%	-794.0	20000.000	0.320	100.0
5032.9	177.6	177.6	0.263%	0.0	-16000.000	0.320	100.0	2972.9	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	912.9	179.7	179.7	-0.282%	-794.0	20000.000	0.320	100.0
5012.9	178.1	178.1	0.138%	0.0	-16000.000	0.320	100.0	2952.9	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	892.9	179.3	179.3	-0.182%	-794.0	20000.000	0.320	100.0
4992.9	178.5	178.5	0.013%	0.0	-16000.000	0.320	100.0	2932.9	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	872.9	178.9	178.9	-0.082%	-794.0	20000.000	0.320	100.0
4972.9	179.0	179.0	-0.112%	0.0	-16000.000	0.320	100.0	2912.9	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	852.9	178.5	178.5	0.018%	-794.0	20000.000	0.320	100.0
4952.9	179.5	179.5	-0.237%	0.0	-16000.000	0.320	100.0	2892.9	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	832.9	178.1	178.1	0.118%	-940.0	20000.000	0.320	100.0
4932.9	180.0	180.0	-0.362%	0.0	-16000.000	0.320	100.0	2872.9	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	812.9	177.8	177.8	0.218%	-1240.9	20000.000	0.320	100.0
4912.9	180.5	180.5	-0.487%	0.0	-16000.000	0.320	100.0	2852.9	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	792.9	177.4	177.4	0.318%	-1822.5	20000.000	0.320	100.0
4892.9	181.0	181.0	-0.612%	0.0	-16000.000	0.320	100.0	2832.9	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	772.9	177.0	177.0	0.418%	-3421.1	20000.000	0.320	100.0
4872.9	181.5	181.5	-0.737%	0.0	-16000.000	0.320	100.0	2812.9	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	752.9	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
4852.9	182.0	182.0	-0.862%	0.0	-16000.000	0.320	100.0	2792.9	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	732.9	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
4832.9	182.5	182.5	-0.987%	0.0	-16000.000	0.320	100.0	2772.9	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	712.9	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
4812.9	183.0	183.0	-1.100%	0.0	0.000	0.320	100.0	2752.9	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	692.9	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
4792.9	183.0	183.0	-1.100%	0.0	0.000	0.320	100.0	2732.9	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	672.9	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
4772.9	183.0	183.0	-1.100%	0.0	0.000	0.320	100.0	2712.9	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	652.9	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
4752.9	183.0	183.0	-1.100%	0.0	0.000	0.320	100.0	2692.9	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	632.9	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
4732.9	183.0	183.0	-1.100%	0.0	0.000	0.320	100.0	2672.9	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	612.9	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
4712.9	183.0	183.0	-1.100%	0.0	0.000	0.320	100.0	2652.9	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	592.9	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
4692.9	183.0	183.0	-1.100%	0.0	0.000	0.320	100.0	2632.9	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	572.9	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
4672.9	183.0	183.0	-1.100%	-9564.9	0.000	0.320	100.0	2612.9	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	552.9	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
4652.9	183.0	183.0	-1.100%	-3193.0	0.000	0.320	100.0	2592.9	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	532.9	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
4632.9	183.0	183.0	-1.100%	-1914.4	0.000	0.320	100.0	2572.9	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	512.9	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
4612.9	183.0	183.0	-1.100%	-1366.1	0.000	0.320	100.0	2552.9	185.4	185.4	-1.672%	806.0	10000.000	0.320	100.0	492.9	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
4592.9	183.0	183.0	-1.100%	-1061.3	0.000	0.320	100.0	2532.9	184.5	184.5	-1.472%	806.0	10000.000	0.320	100.0	472.9	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
4572.9	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0	2512.9	183.7	183.7	-1.272%	806.0	10000.000	0.320	100.0	452.9	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
4552.9	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0	2492.9	182.9	182.9	-1.072%	806.0	10000.000	0.320	100.0	432.9	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
4532.9	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0	2472.9	182.0	182.0	-0.872%	806.0	10000.000	0.320	100.0	412.9	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
4512.9	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0	2452.9	181.2	181.2	-0.672%	806.0	10000.000	0.320	100.0	392.9	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
4492.9	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0	2432.9	180.4	180.4	-0.472%	806.0	10000.000	0.320	100.0	372.9	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
4472.9	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0	2412.9	179.6	179.6	-0.272%	806.0	10000.000	0.320	100.0	352.9	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
4452.9	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0	2392.9	178.9	178.9	-0.072%	806.0	10000.000	0.320	100.0	332.9	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
4432.9	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0	2372.9	178.1	178.1	0.128%	806.0	10000.000	0.320	100.0	312.9	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
4412.9	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0	2352.9	177.3	177.3	0.328%	806.0	10000.000	0.320	100.0	292.9	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
4392.9	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0	2332.9	176.7	176.7	0.500%	806.0	0.000	0.320	100.0	272.9	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
4372.9	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0	2312.9	176.7	176.7	0.500%	806.0	0.000	0.320	100.0	252.9	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
4352.9	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0	2292.9	176.7	176.7	0.500%	806.0	0.000	0.320	100.0	232.9	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
4332.9	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0	2272.9	176.7	176.7	0.500%	806.0	0.000	0.320	100.0	212.9	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
4312.9	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0	2252.9	176.7	176.7	0.500%	806.0	0.000	0.320	100.0	192.9	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
4292.9	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0	2232.9	176.7	176.7	0.500%	806.0	0.000	0.320	100.0	172.9	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
4272.9	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0	2212.9	176.7	176.7	0.500%	806.0	0.000	0.320	100.0	152.9	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
4252.9	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0	2192.9	176.7	176.7	0.500%	937.6	0.000	0.320	100.0	132.9	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
4232.9	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0	2172.9	176.7	176.7	0.500%	1228.0	0.000	0.320	100.0	112.9	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
4212.9	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0	2152.9	176.7	176.7	0.500%	1781.4	0.000	0.320	100.0	92.9	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
4192.9	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0	2132.9	176.7	176.7	0.500%	3251.2	0.000	0.320	100.0	72.9	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
4172.9	183.0	183.0	-1.100%	-894.0	0.000	0.320	100.0	2112.9	176.7	176.7	0.500%	18859.3	0.000	0.320	100.0								

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



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#####
# ESTUDIO DE VISIBILIDAD
#####
# Estudio de Visibilidad de Parada a lo largo de un eje o
# un tramo de eje.
#####
# ISTRAM(R) V. 9.28 2168
#####
# Tabla de diseño de alzado (.dia): GRUPO-1.dia
# La distancia de parada = (V * Tp/3.6) + (V^2 / (254*(F1 + i)))
# Eje: 4 en sentido: Normal
# Estudio a velocidad fija de 100.0 Km/h
# Eje desde PK: 0.000 hasta PK: 14136.105
# Estudio desde PK: 0.000 hasta PK: 14136.105
# Saltos del observador para estudio cada: 20.00 m
# Se supone la visibilidad en los primeros: 60.00 m
# A partir de ahí se estudia la visibilidad cada: 20.00 m
# Angulo Focos-rasante, en grados: 1.00
# Angulo de tolerancia horizontal, en grados: 45.00
# El ángulo horizontal mide la desviación de la visual entre observador y
# referencia con respecto a la tangente a la trayectoria en el pk de
# estudio.
# El ángulo Focos-rasante mide la desviación de la visual entre observador y
# referencia con respecto a la línea de máxima iluminación de los focos
# del vehículo.
# El estudio se hace entre el punto de vista del observador y el punto de la
# referencia configurados.
# Trayectoria configurada del observador:
# Superficie: 67
# Lado: Derecho
# Código: 1
# Distancia al código: 5.5 m hacia el exterior
# Altura: 1.10 m desde Calzada Pral.
# Trayectoria configurada de la referencia:
# Superficie: 67
# Lado: Derecho
# Código: 1
# Distancia al código: 0.0 m hacia el exterior
# Altura: 0.20 m desde Calzada Pral.
#####
```

PK	D.Disp	D.Nece	i	Radio	Kv	f1	V.Est	V.Red	Obstáculo	Dist.Eje	PKObstáculo
0.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
20.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
40.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
60.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
80.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
100.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
120.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
140.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
160.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
180.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
200.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
220.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
240.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
260.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
280.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
300.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
320.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
340.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
360.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
380.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
400.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
420.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
440.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
460.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
480.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
500.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
520.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
540.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
560.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
580.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
600.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
620.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
640.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
660.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
680.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
700.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
720.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
740.0	180.5	180.5	-0.500%	-5009.5	0.000	0.320	100.0				
760.0	180.5	180.5	-0.493%	-5009.5	20000.000	0.320	100.0				
780.0	180.1	180.1	-0.393%	-2627.3	20000.000	0.320	100.0				
800.0	179.7	179.7	-0.293%	-1579.1	20000.000	0.320	100.0				
820.0	179.3	179.3	-0.193%	-1130.3	20000.000	0.320	100.0				
840.0	178.9	178.9	-0.093%	-881.1	20000.000	0.320	100.0				
860.0	178.6	178.6	0.007%	-809.5	20000.000	0.320	100.0				
880.0	178.2	178.2	0.107%	-809.5	20000.000	0.320	100.0				
900.0	177.8	177.8	0.207%	-809.5	20000.000	0.320	100.0				
920.0	177.4	177.4	0.307%	-809.5	20000.000	0.320	100.0				
940.0	177.0	177.0	0.407%	-809.5	20000.000	0.320	100.0				
960.0	176.7	176.7	0.507%	-809.5	20000.000	0.320	100.0				

980.0	176.3	176.3	0.607%	-809.5	20000.000	0.320	100.0				
1000.0	175.9	175.9	0.707%	-809.5	20000.000	0.320	100.0				
1020.0	175.6	175.6	0.807%	-809.5	20000.000	0.320	100.0				
1040.0	175.2	175.2	0.907%	-809.5	20000.000	0.320	100.0				
1060.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1080.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1100.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1120.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1140.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1160.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1180.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1200.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1220.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1240.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1260.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1280.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1300.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1320.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1340.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1360.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1380.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1400.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1420.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1440.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1460.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1480.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1500.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1520.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1540.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1560.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1580.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1600.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1620.0	174.9	174.9	1.000%	-809.5	0.000	0.320	100.0				
1640.0	175.0	175.0	0.969%	-809.5	-31000.000	0.320	100.0				
1660.0	175.2	175.2	0.904%	-809.5	-31000.000	0.320	100.0				
1680.0	175.4	175.4	0.840%	-809.5	-31000.000	0.320	100.0				
1700.0	175.7	175.7	0.775%	-809.5	-31000.000	0.320	100.0				
1720.0	175.9	175.9	0.711%	-809.5	-31000.000	0.320	100.0				
1740.0	176.2	176.2	0.646%	-809.5	-31000.000	0.320	100.0				
1760.0	176.4	176.4	0.582%	-809.5	-31000.000	0.320	100.0				
1780.0	176.6	176.6	0.517%	-809.5	-31000.000	0.320	100.0				
1800.0	176.9	176.9	0.452%	-809.5	-31000.000	0.320	100.0				
1820.0	177.1	177.1	0.388%	-809.5	-31000.000	0.320	100.0				
1840.0	177.4	177.4	0.323%	-809.5	-31000.000	0.320	100.0				
1860.0	177.6	177.6	0.259%	-809.5	-31000.000	0.320	100.0				
1880.0	177.8	177.8	0.194%	-809.5	-31000.000	0.320	100.0				
1900.0	178.1	178.1	0.130%	-809.5	-31000.000	0.320	100.0				
1920.0	178.3	178.3	0.065%	-809.5	-31000.000	0.320	100.0				
1940.0	178.6	178.6	0.001%	-809.5	-31000.000	0.320	100.0				
1960.0	178.8	178.8	-0.064%	-809.5	-31000.000	0.320	100.0				
1980.0	179.1	179.1	-0.128%	-809.5	-31000.000	0.320	100.0				
2000.0	179.3	179.3	-0.193%	-809.5	-31000.000	0.320	100.0				
2020.0	179.6	179.6	-0.257%	-892.7	-31000.000	0.320	100.0				
2040.0	179.8	179.8	-0.322%	-1149.5	-31000.000	0.320	100.0				
2060.0	180.1	180.1	-0.386%	-1617.1	-31000.000	0.320	100.0				
2080.0	180.3	180.3	-0.451%	-2734.7	-31000.000	0.320	100.0				
2100.0	180.5	180.5	-0.500%	-8950.1	0.000	0.320	100.0				
2120.0	180.5	180.5	-0.500%	6971.0	0.000	0.320	100.0				
2140.0	180.5	180.5	-0.500%	2500.8	0.000	0.320	100.0				
2160.0	180.5	180.5	-0.500%	1520.8	0.000	0					

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



5100.0	170.6	170.6	2.235%	-1509.5	-31000.000	0.320	100.0	7160.0	184.6	184.6	-1.500%	0.0	0.000	0.320	100.0	9220.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0
5120.0	170.8	170.8	2.171%	-1509.5	-31000.000	0.320	100.0	7180.0	184.6	184.6	-1.500%	0.0	0.000	0.320	100.0	9240.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0
5140.0	171.0	171.0	2.106%	-1509.5	-31000.000	0.320	100.0	7200.0	184.6	184.6	-1.500%	0.0	0.000	0.320	100.0	9260.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0
5160.0	171.2	171.2	2.042%	-1509.5	-31000.000	0.320	100.0	7220.0	184.6	184.6	-1.500%	0.0	0.000	0.320	100.0	9280.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0
5180.0	171.4	171.4	1.977%	-1509.5	-31000.000	0.320	100.0	7240.0	184.6	184.6	-1.500%	0.0	0.000	0.320	100.0	9300.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0
5200.0	171.6	171.6	1.913%	-1509.5	-31000.000	0.320	100.0	7260.0	184.6	184.6	-1.500%	28175.2	0.000	0.320	100.0	9320.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0
5220.0	171.9	171.9	1.848%	-1509.5	-31000.000	0.320	100.0	7280.0	184.6	184.6	-1.500%	12485.2	0.000	0.320	100.0	9340.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0
5240.0	172.1	172.1	1.784%	-1509.5	-31000.000	0.320	100.0	7300.0	184.6	184.6	-1.500%	8017.0	0.000	0.320	100.0	9360.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0
5260.0	172.3	172.3	1.719%	-1509.5	-31000.000	0.320	100.0	7320.0	184.6	184.6	-1.500%	5902.8	0.000	0.320	100.0	9380.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0
5280.0	172.5	172.5	1.655%	-1509.5	-31000.000	0.320	100.0	7340.0	184.6	184.6	-1.500%	4670.1	0.000	0.320	100.0	9400.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0
5300.0	172.8	172.8	1.590%	-1509.5	-31000.000	0.320	100.0	7360.0	184.6	184.6	-1.500%	3862.8	0.000	0.320	100.0	9420.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0
5320.0	173.0	173.0	1.526%	-1509.5	-31000.000	0.320	100.0	7380.0	184.6	184.6	-1.486%	3293.0	10000.000	0.320	100.0	9440.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0
5340.0	173.2	173.2	1.461%	-1509.5	-31000.000	0.320	100.0	7400.0	183.7	183.7	-1.286%	2869.4	10000.000	0.320	100.0	9460.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0
5360.0	173.4	173.4	1.397%	-1509.5	-31000.000	0.320	100.0	7420.0	182.9	182.9	-1.086%	2542.1	10000.000	0.320	100.0	9480.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0
5380.0	173.7	173.7	1.332%	-1509.5	-31000.000	0.320	100.0	7440.0	182.1	182.1	-0.886%	2281.7	10000.000	0.320	100.0	9500.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0
5400.0	173.9	173.9	1.268%	-1509.5	-31000.000	0.320	100.0	7460.0	181.3	181.3	-0.686%	2069.4	10000.000	0.320	100.0	9520.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0
5420.0	174.1	174.1	1.203%	-1509.5	-31000.000	0.320	100.0	7480.0	180.5	180.5	-0.486%	1990.5	10000.000	0.320	100.0	9540.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0
5440.0	174.1	174.1	1.200%	-1509.5	0.000	0.320	100.0	7500.0	179.7	179.7	-0.286%	1990.5	10000.000	0.320	100.0	9560.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0
5460.0	174.1	174.1	1.200%	-1509.5	0.000	0.320	100.0	7520.0	178.9	178.9	-0.086%	1990.5	10000.000	0.320	100.0	9580.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0
5480.0	174.1	174.1	1.200%	-1160.7	0.000	0.320	100.0	7540.0	178.1	178.1	0.114%	1990.5	10000.000	0.320	100.0	9600.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0
5500.0	174.1	174.1	1.200%	-884.4	0.000	0.320	100.0	7560.0	177.4	177.4	0.314%	1990.5	10000.000	0.320	100.0	9620.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0
5520.0	174.1	174.1	1.200%	-759.5	0.000	0.320	100.0	7580.0	176.6	176.6	0.514%	1990.5	10000.000	0.320	100.0	9640.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0
5540.0	174.1	174.1	1.200%	-759.5	0.000	0.320	100.0	7600.0	175.9	175.9	0.714%	1990.5	10000.000	0.320	100.0	9660.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0
5560.0	174.1	174.1	1.200%	-759.5	0.000	0.320	100.0	7620.0	175.2	175.2	0.914%	1990.5	10000.000	0.320	100.0	9680.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0
5580.0	174.1	174.1	1.200%	-759.5	0.000	0.320	100.0	7640.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9700.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0
5600.0	174.1	174.1	1.200%	-759.5	0.000	0.320	100.0	7660.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9720.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0
5620.0	174.1	174.1	1.200%	-759.5	0.000	0.320	100.0	7680.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9740.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0
5640.0	174.4	174.4	1.132%	-895.8	-20000.000	0.320	100.0	7700.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9760.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0
5660.0	174.7	174.7	1.032%	-1180.6	-20000.000	0.320	100.0	7720.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9780.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0
5680.0	175.1	175.1	0.932%	-1734.9	-20000.000	0.320	100.0	7740.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9800.0	184.6	184.6	-1.500%	1990.5	0.000	0.320	100.0
5700.0	175.5	175.5	0.832%	-3285.8	-20000.000	0.320	100.0	7760.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9820.0	184.9	184.9	-1.551%	1990.5	-31000.000	0.320	100.0
5720.0	175.8	175.8	0.732%	-32399.3	-20000.000	0.320	100.0	7780.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9840.0	185.1	185.1	-2.651%	1990.5	-31000.000	0.320	100.0
5740.0	176.2	176.2	0.632%	4097.7	-20000.000	0.320	100.0	7800.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9860.0	185.4	185.4	-1.680%	1990.5	-31000.000	0.320	100.0
5760.0	176.6	176.6	0.532%	1921.7	-20000.000	0.320	100.0	7820.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9880.0	185.7	185.7	-1.744%	1990.5	-31000.000	0.320	100.0
5780.0	176.9	176.9	0.432%	1252.9	-20000.000	0.320	100.0	7840.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9900.0	186.0	186.0	-1.809%	1990.5	-31000.000	0.320	100.0
5800.0	177.3	177.3	0.332%	928.1	-20000.000	0.320	100.0	7860.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9920.0	186.2	186.2	-1.873%	2018.6	-31000.000	0.320	100.0
5820.0	177.7	177.7	0.232%	740.5	-20000.000	0.320	100.0	7880.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9940.0	186.5	186.5	-1.938%	2220.1	-31000.000	0.320	100.0
5840.0	178.1	178.1	0.132%	740.5	-20000.000	0.320	100.0	7900.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9960.0	186.8	186.8	-2.002%	2466.0	-31000.000	0.320	100.0
5860.0	178.5	178.5	0.032%	740.5	-20000.000	0.320	100.0	7920.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	9980.0	187.1	187.1	-2.067%	2772.8	-31000.000	0.320	100.0
5880.0	178.8	178.8	-0.068%	740.5	-20000.000	0.320	100.0	7940.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	10000.0	187.4	187.4	-2.131%	3166.6	-31000.000	0.320	100.0
5900.0	179.2	179.2	-0.168%	740.5	-20000.000	0.320	100.0	7960.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	10020.0	187.7	187.7	-2.196%	3690.1	-31000.000	0.320	100.0
5920.0	179.6	179.6	-0.268%	740.5	-20000.000	0.320	100.0	7980.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	10040.0	187.9	187.9	-2.260%	4420.2	-31000.000	0.320	100.0
5940.0	180.0	180.0	-0.368%	775.7	-20000.000	0.320	100.0	8000.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	10060.0	188.2	188.2	-2.325%	5509.4	-31000.000	0.320	100.0
5960.0	180.4	180.4	-0.468%	991.2	-20000.000	0.320	100.0	8020.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	10080.0	188.5	188.5	-2.389%	7308.9	-31000.000	0.320	100.0
5980.0	180.8	180.8	-0.568%	1370.0	-20000.000	0.320	100.0	8040.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	10100.0	188.8	188.8	-2.454%	10849.6	-31000.000	0.320	100.0
6000.0	181.2	181.2	-0.668%	2209.9	-20000.000	0.320	100.0	8060.0	174.9	174.9	1.000%	1990.5	0.000	0.320	100.0	10120.0	189.1	189.1	-2.518%	12027.4	-31000.000	0.320	100.0
6020.0	181.6	181.6	-0.768%	5665.0	-20000.000	0.320	100.0	8080.0	174.9	174.9	1.000%	1990.5											

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



PK	D.Disp	D.Nece	i	Radio	Kv	f1	V.Est	V.Red	Obstáculo	Dist.Eje	PKObstáculo
11280.0	177.8	177.8	0.205%	-10009.5	-16000.000	0.320	100.0				
11300.0	178.3	178.3	0.080%	-10009.5	-16000.000	0.320	100.0				
11320.0	178.8	178.8	-0.045%	-10009.5	-16000.000	0.320	100.0				
11340.0	179.2	179.2	-0.170%	-10009.5	-16000.000	0.320	100.0				
11360.0	179.7	179.7	-0.295%	-10009.5	-16000.000	0.320	100.0				
11380.0	180.2	180.2	-0.420%	-10009.5	-16000.000	0.320	100.0				
11400.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0				
11420.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0				
11440.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0				
11460.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0				
11480.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0				
11500.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0				
11520.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0				
11540.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0				
11560.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0				
11580.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0				
11600.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0				
11620.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0				
11640.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0				
11660.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0				
11680.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0				
11700.0	180.5	180.5	-0.500%	-10009.5	0.000	0.320	100.0				
11720.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0				
11740.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0				
11760.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0				
11780.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0				
11800.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0				
11820.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0				
11840.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0				
11860.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0				
11880.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0				
11900.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0				
11920.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0				
11940.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0				
11960.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0				
11980.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0				
12000.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0				
12020.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0				
12040.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0				
12060.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0				
12080.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0				
12100.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0				
12120.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0				
12140.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0				
12160.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0				
12180.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0				
12200.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0				
12220.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0				
12240.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0				
12260.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0				
12280.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0				
12300.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0				
12320.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0				
12340.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0				
12360.0	180.5	180.5	-0.500%	9990.5	0.000	0.320	100.0				
12380.0	180.4	180.4	-0.454%	9990.5	40000.000	0.320	100.0				
12400.0	180.2	180.2	-0.404%	9990.5	40000.000	0.320	100.0				
12420.0	180.0	180.0	-0.354%	9990.5	40000.000	0.320	100.0				
12440.0	179.8	179.8	-0.304%	9990.5	40000.000	0.320	100.0				
12460.0	179.6	179.6	-0.254%	9990.5	40000.000	0.320	100.0				
12480.0	179.4	179.4	-0.204%	9990.5	40000.000	0.320	100.0				
12500.0	179.2	179.2	-0.154%	9990.5	40000.000	0.320	100.0				
12520.0	179.0	179.0	-0.104%	9990.5	40000.000	0.320	100.0				
12540.0	178.8	178.8	-0.054%	-22836.4	40000.000	0.320	100.0				
12560.0	178.6	178.6	-0.004%	-4513.6	40000.000	0.320	100.0				
12580.0	178.4	178.4	0.046%	-2508.0	40000.000	0.320	100.0				
12600.0	178.2	178.2	0.096%	-1738.3	40000.000	0.320	100.0				
12620.0	178.0	178.0	0.146%	-1331.1	40000.000	0.320	100.0				
12640.0	177.8	177.8	0.196%	-1079.2	40000.000	0.320	100.0				
12660.0	177.6	177.6	0.246%	-1009.5	40000.000	0.320	100.0				
12680.0	177.5	177.5	0.296%	-1009.5	40000.000	0.320	100.0				
12700.0	177.3	177.3	0.346%	-1009.5	40000.000	0.320	100.0				
12720.0	177.1	177.1	0.396%	-1009.5	40000.000	0.320	100.0				
12740.0	176.9	176.9	0.446%	-1009.5	40000.000	0.320	100.0				
12760.0	176.7	176.7	0.496%	-1009.5	40000.000	0.320	100.0				
12780.0	176.7	176.7	0.500%	-1009.5	0.000	0.320	100.0				
12800.0	176.7	176.7	0.500%	-1009.5	0.000	0.320	100.0				
12820.0	176.7	176.7	0.500%	-1009.5	0.000	0.320	100.0				
12840.0	176.7	176.7	0.500%	-1009.5	0.000	0.320	100.0				
12860.0	176.7	176.7	0.500%	-1009.5	0.000	0.320	100.0				
12880.0	176.7	176.7	0.500%	-1009.5	0.000	0.320	100.0				
12900.0	176.7	176.7	0.500%	-1009.5	0.000	0.320	100.0				
12920.0	176.7	176.7	0.500%	-1009.5	0.000	0.320	100.0				
12940.0	176.7	176.7	0.500%	-1009.5	0.000	0.320	100.0				
12960.0	176.7	176.7	0.500%	-1009.5	0.000	0.320	100.0				
12980.0	176.7	176.7	0.500%	-1009.5	0.000	0.320	100.0				
13000.0	176.7	176.7	0.500%	-1058.4	0.000	0.320	100.0				
13020.0	176.7	176.7	0.500%	-1299.6	0.000	0.320	100.0				
13040.0	176.7	176.7	0.500%	-1684.7	0.000	0.320	100.0				
13060.0	176.7	176.7	0.500%	-2397.7	0.000	0.320	100.0				
13080.0	176.7	176.7	0.500%	-4167.3	0.000	0.320	100.0				
13100.0	176.7	176.7	0.500%	-16060.6	0.000	0.320	100.0				
13120.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
13140.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
13160.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
13180.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
13200.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
13220.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
13240.0	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				
13260.0	176.7</										

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



13156.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0	11096.1	184.0	184.0	-1.354%	-9990.5	-16000.000	0.320	100.0	9036.1	173.1	173.1	1.500%	2009.5	0.000	0.320	100.0				
13136.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0	11076.1	184.5	184.5	-1.479%	-9990.5	-16000.000	0.320	100.0	9016.1	173.1	173.1	1.500%	2009.5	0.000	0.320	100.0				
13116.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0	11056.1	185.1	185.1	-1.604%	-9990.5	-16000.000	0.320	100.0	8996.1	173.1	173.1	1.500%	2009.5	0.000	0.320	100.0				
13096.1	180.5	180.5	-0.500%	-10298.9	0.000	0.320	100.0	11036.1	185.6	185.6	-1.729%	-9990.5	-16000.000	0.320	100.0	8976.1	173.1	173.1	1.500%	2009.5	0.000	0.320	100.0				
13076.1	180.5	180.5	-0.500%	-3623.9	0.000	0.320	100.0	11016.1	186.2	186.2	-1.854%	-9990.5	-16000.000	0.320	100.0	8956.1	173.1	173.1	1.500%	2009.5	0.000	0.320	100.0				
13056.1	180.5	180.5	-0.500%	-2195.9	0.000	0.320	100.0	10996.1	186.7	186.7	-1.979%	-9990.5	-16000.000	0.320	100.0	8936.1	173.1	173.1	1.500%	2009.5	0.000	0.320	100.0				
13036.1	180.5	180.5	-0.500%	-1573.7	0.000	0.320	100.0	10976.1	186.8	186.8	-2.000%	-9990.5	0.000	0.320	100.0	8916.1	173.1	173.1	1.500%	2009.5	0.000	0.320	100.0				
13016.1	180.5	180.5	-0.500%	-1225.3	0.000	0.320	100.0	10956.1	186.8	186.8	-2.000%	-9990.5	0.000	0.320	100.0	8896.1	173.1	173.1	1.500%	2009.5	0.000	0.320	100.0				
12996.1	180.5	180.5	-0.500%	-1002.6	0.000	0.320	100.0	10936.1	186.8	186.8	-2.000%	-9990.5	0.000	0.320	100.0	8876.1	173.1	173.1	1.481%	2009.5	-31000.000	0.320	100.0				
12976.1	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0	10916.1	186.8	186.8	-2.000%	-9990.5	0.000	0.320	100.0	8856.1	173.4	173.4	1.416%	2009.5	-31000.000	0.320	100.0				
12956.1	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0	10896.1	186.8	186.8	-2.000%	-9990.5	0.000	0.320	100.0	8836.1	173.6	173.6	1.352%	2009.5	-31000.000	0.320	100.0				
12936.1	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0	10876.1	186.8	186.8	-2.000%	-9990.5	0.000	0.320	100.0	8816.1	173.8	173.8	1.287%	2009.5	-31000.000	0.320	100.0				
12916.1	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0	10856.1	186.8	186.8	-2.000%	-9990.5	0.000	0.320	100.0	8796.1	174.1	174.1	1.223%	2009.5	-31000.000	0.320	100.0				
12896.1	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0	10836.1	186.8	186.8	-2.000%	-9990.5	0.000	0.320	100.0	8776.1	174.3	174.3	1.158%	2009.5	-31000.000	0.320	100.0				
12876.1	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0	10816.1	186.7	186.7	-1.973%	-9990.5	10000.000	0.320	100.0	8756.1	174.5	174.5	1.094%	2009.5	-31000.000	0.320	100.0				
12856.1	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0	10796.1	185.8	185.8	-1.773%	-9990.5	10000.000	0.320	100.0	8736.1	174.8	174.8	1.029%	2009.5	-31000.000	0.320	100.0				
12836.1	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0	10776.1	184.9	184.9	-1.573%	-9990.5	10000.000	0.320	100.0	8716.1	175.0	175.0	0.964%	2009.5	-31000.000	0.320	100.0				
12816.1	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0	10756.1	184.1	184.1	-1.373%	-9990.5	10000.000	0.320	100.0	8696.1	175.2	175.2	0.900%	2009.5	-31000.000	0.320	100.0				
12796.1	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0	10736.1	183.3	183.3	-1.173%	-9990.5	10000.000	0.320	100.0	8676.1	175.5	175.5	0.835%	2009.5	-31000.000	0.320	100.0				
12776.1	180.5	180.5	-0.500%	-990.5	0.000	0.320	100.0	10716.1	182.4	182.4	-0.973%	-9990.5	10000.000	0.320	100.0	8656.1	175.7	175.7	0.771%	2009.5	-31000.000	0.320	100.0				
12756.1	180.5	180.5	-0.487%	-990.5	40000.000	0.320	100.0	10696.1	181.6	181.6	-0.773%	-9990.5	10000.000	0.320	100.0	8636.1	175.9	175.9	0.706%	2009.5	-31000.000	0.320	100.0				
12736.1	180.3	180.3	-0.437%	-990.5	40000.000	0.320	100.0	10676.1	180.8	180.8	-0.573%	-9990.5	10000.000	0.320	100.0	8616.1	176.2	176.2	0.642%	2009.5	-31000.000	0.320	100.0				
12716.1	180.1	180.1	-0.387%	-990.5	40000.000	0.320	100.0	10656.1	180.0	180.0	-0.373%	-9990.5	10000.000	0.320	100.0	8596.1	176.4	176.4	0.577%	2009.5	-31000.000	0.320	100.0				
12696.1	179.9	179.9	-0.337%	-990.5	40000.000	0.320	100.0	10636.1	179.3	179.3	-0.173%	-9990.5	10000.000	0.320	100.0	8576.1	176.6	176.6	0.513%	2009.5	-31000.000	0.320	100.0				
12676.1	179.7	179.7	-0.287%	-990.5	40000.000	0.320	100.0	10616.1	178.5	178.5	0.027%	-9990.5	10000.000	0.320	100.0	8556.1	176.9	176.9	0.448%	2009.5	-31000.000	0.320	100.0				
12656.1	179.5	179.5	-0.237%	-990.5	40000.000	0.320	100.0	10596.1	177.7	177.7	0.227%	-9990.5	10000.000	0.320	100.0	8536.1	177.1	177.1	0.384%	2009.5	-31000.000	0.320	100.0				
12636.1	179.3	179.3	-0.187%	-1101.4	40000.000	0.320	100.0	10576.1	177.0	177.0	0.427%	-9990.5	10000.000	0.320	100.0	8516.1	177.4	177.4	0.319%	2009.5	-31000.000	0.320	100.0				
12616.1	179.1	179.1	-0.137%	-1375.6	40000.000	0.320	100.0	10556.1	176.2	176.2	0.627%	-9990.5	10000.000	0.320	100.0	8496.1	177.6	177.6	0.255%	2009.5	-31000.000	0.320	100.0				
12596.1	178.9	178.9	-0.087%	-1829.6	40000.000	0.320	100.0	10536.1	175.5	175.5	0.827%	-9990.5	10000.000	0.320	100.0	8476.1	177.9	177.9	0.190%	2009.5	-31000.000	0.320	100.0				
12576.1	178.7	178.7	-0.037%	-2726.3	40000.000	0.320	100.0	10516.1	174.8	174.8	1.027%	-9990.5	10000.000	0.320	100.0	8456.1	178.1	178.1	0.126%	2009.5	-31000.000	0.320	100.0				
12556.1	178.5	178.5	0.013%	-5329.1	40000.000	0.320	100.0	10496.1	174.0	174.0	1.227%	-9990.5	10000.000	0.320	100.0	8436.1	178.4	178.4	0.061%	2009.5	-31000.000	0.320	100.0				
12536.1	178.3	178.3	0.063%	-9990.5	40000.000	0.320	100.0	10476.1	173.3	173.3	1.427%	-9990.5	10000.000	0.320	100.0	2009.5	-31000.000	0.320	100.0	8416.1	181.6	181.6	-0.003%	2009.5	-31000.000	0.320	100.0
12516.1	178.2	178.2	0.113%	10009.5	40000.000	0.320	100.0	10456.1	172.6	172.6	1.627%	-9990.5	10000.000	0.320	100.0	8396.1	178.8	178.8	-0.068%	2009.5	-31000.000	0.320	100.0				
12496.1	178.0	178.0	0.163%	10009.5	40000.000	0.320	100.0	10436.1	171.9	171.9	1.827%	-9990.5	10000.000	0.320	100.0	8376.1	179.1	179.1	-0.132%	2009.5	-31000.000	0.320	100.0				
12476.1	177.8	177.8	0.213%	10009.5	40000.000	0.320	100.0	10416.1	171.3	171.3	2.027%	-9990.5	10000.000	0.320	100.0	8356.1	179.3	179.3	-0.197%	2009.5	-31000.000	0.320	100.0				
12456.1	177.6	177.6	0.263%	10009.5	40000.000	0.320	100.0	10396.1	170.6	170.6	2.227%	-9990.5	10000.000	0.320	100.0	8336.1	179.6	179.6	-0.261%	2009.5	-31000.000	0.320	100.0				
12436.1	177.4	177.4	0.313%	10009.5	40000.000	0.320	100.0	10376.1	169.9	169.9	2.427%	-9990.5	10000.000	0.320	100.0	8316.1	179.9	179.9	-0.326%	2009.5	-31000.000	0.320	100.0				
12416.1	177.2	177.2	0.363%	10009.5	40000.000	0.320	100.0	10356.1	169.3	169.3	2.627%	-9990.5	10000.000	0.320	100.0	8296.1	180.1	180.1	-0.390%	2009.5	-31000.000	0.320	100.0				
12396.1	177.0	177.0	0.413%	10009.5	40000.000	0.320	100.0	10336.1	168.6	168.6	2.827%	-9990.5	10000.000	0.320	100.0	8276.1	180.4	180.4	-0.455%	2009.5	-31000.000	0.320	100.0				
12376.1	176.8	176.8	0.463%	10009.5	40000.000	0.320	100.0	10316.1	168.0	168.0	3.000%	-9990.5	0.000	0.320	100.0	8256.1	180.6	180.6	-0.519%	2009.5	-31000.000	0.320	100.0				
12356.1	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0	10296.1	168.0	168.0	3.000%	-9990.5	0.000	0.320	100.0	8236.1	180.9	180.9	-0.584%	2009.5	-31000.000	0.320	100.0				
12336.1	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0	10276.1	168.0	168.0	3.000%	-9990.5	0.000	0.320	100.0	8216.1	181.1	181.1	-0.648%	2009.5	-31000.000	0.320	100.0				
12316.1	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0	10256.1	168.2	168.2	2.957%	-9990.5	-31000.000	0.320	100.0	8196.1	181.4	181.4	-0.713%	2009.5	-31000.000	0.320	100.0				
12296.1	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0	10236.1	168.4	168.4	2.893%	-9990.5	-31000.000	0.320	100.0	8176.1	181.7	181.7	-0.777%	2009.5	-31000.000	0.320	100.0				
12276.1	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0	10216.1	168.6	168.6	2.828%	-9990.5	-31000.000	0.320	100.0	8156.1	181.9	181.9	-0.842%	2009.5	-31000.000	0.320	100.0				
12256.1	176.7	176.7	0.500%	10009.5	0.000	0.320	100.0	10196.1	168.8	168.8	2.764%	-9990.5</															

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B

Proyecto original:



Actualización 2016

Actualización 2019:



6976.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4916.1	189.0	189.0	-2.500%	-1490.5	0.000	0.320	100.0	2856.1	185.5	185.5	-1.700%	809.5	0.000	0.320	100.0
6956.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4896.1	189.0	189.0	-2.500%	-1490.5	0.000	0.320	100.0	2836.1	185.5	185.5	-1.700%	809.5	0.000	0.320	100.0
6936.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4876.1	189.0	189.0	-2.500%	-1490.5	0.000	0.320	100.0	2816.1	185.5	185.5	-1.700%	809.5	0.000	0.320	100.0
6916.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4856.1	189.0	189.0	-2.500%	-1490.5	0.000	0.320	100.0	2796.1	185.5	185.5	-1.700%	809.5	0.000	0.320	100.0
6896.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4836.1	189.0	189.0	-2.500%	-1490.5	0.000	0.320	100.0	2776.1	185.5	185.5	-1.700%	809.5	0.000	0.320	100.0
6876.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4816.1	189.0	189.0	-2.500%	-1490.5	0.000	0.320	100.0	2756.1	185.5	185.5	-1.700%	809.5	0.000	0.320	100.0
6856.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4796.1	189.0	189.0	-2.500%	-1490.5	0.000	0.320	100.0	2736.1	185.5	185.5	-1.700%	809.5	0.000	0.320	100.0
6836.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4776.1	189.0	189.0	-2.500%	-1490.5	0.000	0.320	100.0	2716.1	185.5	185.5	-1.700%	809.5	0.000	0.320	100.0
6816.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4756.1	189.0	189.0	-2.500%	-1490.5	0.000	0.320	100.0	2696.1	185.5	185.5	-1.700%	809.5	0.000	0.320	100.0
6796.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4736.1	189.0	189.0	-2.500%	-1490.5	0.000	0.320	100.0	2676.1	185.5	185.5	-1.700%	809.5	0.000	0.320	100.0
6776.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4716.1	189.0	189.0	-2.500%	-1490.5	0.000	0.320	100.0	2656.1	185.5	185.5	-1.700%	809.5	0.000	0.320	100.0
6756.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4696.1	189.0	189.0	-2.500%	-1490.5	0.000	0.320	100.0	2636.1	185.5	185.5	-1.700%	809.5	0.000	0.320	100.0
6736.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4676.1	189.0	189.0	-2.500%	-1490.5	0.000	0.320	100.0	2616.1	185.5	185.5	-1.700%	809.5	0.000	0.320	100.0
6716.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4656.1	189.0	189.0	-2.500%	-1490.5	0.000	0.320	100.0	2596.1	185.5	185.5	-1.700%	809.5	0.000	0.320	100.0
6696.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4636.1	189.0	189.0	-2.500%	-1490.5	0.000	0.320	100.0	2576.1	185.5	185.5	-1.700%	809.5	0.000	0.320	100.0
6676.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4616.1	189.0	189.0	-2.500%	-1490.5	0.000	0.320	100.0	2556.1	185.5	185.5	-1.700%	809.5	0.000	0.320	100.0
6656.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4596.1	189.0	189.0	-2.500%	-1490.5	0.000	0.320	100.0	2536.1	184.7	184.7	-1.507%	809.5	10000.000	0.320	100.0
6636.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4576.1	189.0	189.0	-2.500%	-1490.5	0.000	0.320	100.0	2516.1	183.8	183.8	-1.307%	809.5	10000.000	0.320	100.0
6616.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4556.1	188.8	188.8	-2.452%	-1490.5	16000.000	0.320	100.0	2496.1	183.0	183.0	-1.107%	809.5	10000.000	0.320	100.0
6596.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4536.1	188.2	188.2	-2.327%	-1490.5	16000.000	0.320	100.0	2476.1	182.2	182.2	-0.907%	809.5	10000.000	0.320	100.0
6576.1	173.0	173.0	1.533%	0.0	17000.000	0.320	100.0	4516.1	187.7	187.7	-2.202%	-1490.5	16000.000	0.320	100.0	2456.1	181.4	181.4	-0.707%	809.5	10000.000	0.320	100.0
6556.1	172.6	172.6	1.650%	0.0	17000.000	0.320	100.0	4496.1	187.1	187.1	-2.077%	-1490.5	16000.000	0.320	100.0	2436.1	180.6	180.6	-0.507%	809.5	10000.000	0.320	100.0
6536.1	172.1	172.1	1.768%	0.0	17000.000	0.320	100.0	4476.1	186.6	186.6	-1.952%	-1490.5	16000.000	0.320	100.0	2416.1	179.8	179.8	-0.307%	809.5	10000.000	0.320	100.0
6516.1	171.7	171.7	1.885%	0.0	17000.000	0.320	100.0	4456.1	186.0	186.0	-1.827%	-1490.5	16000.000	0.320	100.0	2396.1	179.0	179.0	-0.107%	809.5	10000.000	0.320	100.0
6496.1	171.3	171.3	2.003%	0.0	17000.000	0.320	100.0	4436.1	185.5	185.5	-1.702%	-1490.5	16000.000	0.320	100.0	2376.1	178.2	178.2	0.093%	809.5	10000.000	0.320	100.0
6476.1	170.9	170.9	2.121%	0.0	17000.000	0.320	100.0	4416.1	185.0	185.0	-1.577%	-1490.5	16000.000	0.320	100.0	2356.1	177.5	177.5	0.293%	809.5	10000.000	0.320	100.0
6456.1	170.5	170.5	2.238%	0.0	17000.000	0.320	100.0	4396.1	184.4	184.4	-1.452%	-1490.5	16000.000	0.320	100.0	2336.1	176.7	176.7	0.493%	809.5	10000.000	0.320	100.0
6436.1	170.1	170.1	2.356%	0.0	17000.000	0.320	100.0	4376.1	183.9	183.9	-1.327%	-1490.5	16000.000	0.320	100.0	2316.1	176.7	176.7	0.500%	809.5	0.000	0.320	100.0
6416.1	169.8	169.8	2.474%	0.0	17000.000	0.320	100.0	4356.1	183.4	183.4	-1.202%	-1490.5	16000.000	0.320	100.0	2296.1	176.7	176.7	0.500%	809.5	0.000	0.320	100.0
6396.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	4336.1	182.9	182.9	-1.077%	-1490.5	16000.000	0.320	100.0	2276.1	176.7	176.7	0.500%	809.5	0.000	0.320	100.0
6376.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	4316.1	182.4	182.4	-0.952%	-1493.4	16000.000	0.320	100.0	2256.1	176.7	176.7	0.500%	809.5	0.000	0.320	100.0
6356.1	169.8	169.8	2.448%	0.0	-20000.000	0.320	100.0	4296.1	181.9	181.9	-0.827%	-1698.8	16000.000	0.320	100.0	2236.1	176.7	176.7	0.500%	809.5	0.000	0.320	100.0
6336.1	170.2	170.2	2.348%	0.0	-20000.000	0.320	100.0	4276.1	181.3	181.3	-0.702%	-1969.2	16000.000	0.320	100.0	2216.1	176.7	176.7	0.500%	809.5	0.000	0.320	100.0
6316.1	170.5	170.5	2.248%	0.0	-20000.000	0.320	100.0	4256.1	180.8	180.8	-0.577%	-2341.3	16000.000	0.320	100.0	2196.1	176.7	176.7	0.500%	907.2	0.000	0.320	100.0
6296.1	170.8	170.8	2.148%	0.0	-20000.000	0.320	100.0	4236.1	180.5	180.5	-0.500%	-2885.9	0.000	0.320	100.0	2176.1	176.7	176.7	0.500%	1173.8	0.000	0.320	100.0
6276.1	171.2	171.2	2.048%	0.0	-20000.000	0.320	100.0	4216.1	180.5	180.5	-0.500%	-3758.7	0.000	0.320	100.0	2156.1	176.7	176.7	0.500%	1665.7	0.000	0.320	100.0
6256.1	171.5	171.5	1.948%	0.0	-20000.000	0.320	100.0	4196.1	180.5	180.5	-0.500%	-5384.9	0.000	0.320	100.0	2136.1	176.7	176.7	0.500%	2877.5	0.000	0.320	100.0
6236.1	171.9	171.9	1.848%	0.0	-20000.000	0.320	100.0	4176.1	180.5	180.5	-0.500%	-9480.1	0.000	0.320	100.0	2116.1	176.7	176.7	0.500%	10696.5	0.000	0.320	100.0
6216.1	172.2	172.2	1.748%	0.0	-20000.000	0.320	100.0	4156.1	180.5	180.5	-0.500%	-39393.5	0.000	0.320	100.0	2096.1	176.7	176.7	0.500%	-6181.3	0.000	0.320	100.0
6196.1	172.6	172.6	1.648%	0.0	-20000.000	0.320	100.0	4136.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0	2076.1	176.9	176.9	0.438%	-2390.7	-31000.000	0.320	100.0
6176.1	172.9	172.9	1.548%	0.0	-20000.000	0.320	100.0	4116.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0	2056.1	177.2	177.2	0.374%	-1479.2	-31000.000	0.320	100.0
6156.1	173.3	173.3	1.448%	0.0	-20000.000	0.320	100.0	4096.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0	2036.1	177.4	177.4	0.309%	-1069.4	-31000.000	0.320	100.0
6136.1	173.6	173.6	1.348%	0.0	-20000.000	0.320	100.0	4076.1	180.7	180.7	-0.537%	0.0	-50000.000	0.320	100.0	2016.1	177.7	177.7	0.245%	-836.6	-31000.000	0.320	100.0
6116.1	174.0	174.0	1.248%	0.0	-20000.000	0.320	100.0	4056.1	180.8	180.8	-0.577%	0.0	-50000.000	0.320	100.0	1996.1	177.9	177.9	0.180%	-790.5	-31000.000	0.320	100.0
6096.1	174.3	174.3	1.148%	0.0	-20000.000	0.320	100.0	4036.1	181.0	181.0	-0.617%	0.0	-50000.000	0.320	100.0	1976.1	178.1	178.1	0.116%	-790.5	-31000.000	0.320	100.0
6076.1	174.7	174.7	1.048%	0.0	-20000.000	0.320	100.0	4016.1	181.2	181.2	-0.657%	0.0	-50000.000	0.320	100.0	1956.1	178.4	178.4	0.051%	-790.5	-31000.000	0.320	100.0
6056.1	175.0	175.0	0.948%	0.0	-20000.000	0.320	100.0	3996.1	181.3	181.3	-0.697%	0.0	-50000.000	0.320	100.0	1936.1	178.6	178.6	-0.013%	-790.5	-31000.000	0.	

796.1	177.4	177.4	0.313%	-1692.8	20000.000	0.320	100.0
776.1	177.0	177.0	0.413%	-2999.6	20000.000	0.320	100.0
756.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0
736.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0
716.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0
696.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0
676.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0
656.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0
636.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0
616.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0
596.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0
576.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0
556.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0
536.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0
516.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0
496.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0
476.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0
456.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0
436.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0
416.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0
396.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0
376.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0
356.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0
336.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0
316.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0
296.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0
276.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0
256.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0
236.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0
216.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0
196.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0
176.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0
156.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0
136.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0
116.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0
96.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0
76.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0
56.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0
36.1	176.7	176.7	0.500%	-4990.5	0.000	0.320	100.0

```
#####
# ESTUDIO DE VISIBILIDAD #
#####
# Estudio de Visibilidad de Parada a lo largo de un eje o #
# un tramo de eje. #
# #
# ISTRAM(R) V. 9.28 2168 #
#####
# #
# Tabla de diseño de alzado (.dia): GRUPO-1.dia #
# La distancia de parada = (V * Tp/3.6) + (V*V / (254*(F1 + i))) #
# #
# Eje: 4 en sentido: Normal #
# Estudio a velocidad fija de 100.0 Km/h #
# Eje desde PK: 0.000 hasta PK: 14136.105 #
# Estudio desde PK: 0.000 hasta PK: 14136.105 #
# #
# Saltos del observador para estudio cada: 20.00 m #
# Se supone la visibilidad en los primeros: 60.00 m #
# A partir de ahí se estudia la visibilidad cada: 20.00 m #
# #
# Angulo Focos-rasante, en grados: 1.00 #
# Angulo de tolerancia horizontal, en grados: 45.00 #
# #
# El ángulo horizontal mide la desviación de la visual entre observador y #
# referencia con respecto a la tangente a la trayectoria en el pk de #
# estudio. #
# El ángulo Focos-rasante mide la desviación de la visual entre observador y #
# referencia con respecto a la línea de máxima iluminación de los focos #
# del vehículo. #
# #
# El estudio se hace entre el punto de vista del observador y el punto de la #
# referencia configurados. #
# #
# Trayectoria configurada del observador: #
# Superficie: 67 #
# Lado: Derecho #
# Código: 1 #
# Distancia al código: 2.0 m hacia el exterior #
# Altura: 1.10 m desde Calzada Pral. #
# #
# Trayectoria configurada de la referencia: #
# Superficie: 67 #
# Lado: Derecho #
# Código: 1 #
# Distancia al código: 0.0 m hacia el exterior #
# Altura: 0.20 m desde Calzada Pral. #
#####
```

PK	D.Disp	D.Nece	i	Radio	Kv	f1	V.Est	V.Red	Obstáculo	Dist.Eje	PKObstáculo
0.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
20.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
40.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
60.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
80.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
100.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
120.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
140.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
160.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
180.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
200.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
220.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
240.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
260.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
280.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
300.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
320.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
340.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
360.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
380.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
400.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
420.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
440.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
460.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
480.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
500.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
520.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
540.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
560.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
580.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
600.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
620.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
640.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
660.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
680.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
700.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
720.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
740.0	180.5	180.5	-0.500%	-5006.0	0.000	0.320	100.0				
760.0	180.5	180.5	-0.493%	-5006.0	20000.000	0.320	100.0				
780.0	180.1	180.1	-0.393%	-2623.8	20000.000	0.320	100.0				
800.0	179.7	179.7	-0.293%	-1575.6	20000.000	0.320	100.0				
820.0	179.3	179.3	-0.193%	-1126.8	20000.000	0.320	100.0				
840.0	178.9	178.9	-0.093%	-877.6	20000.000	0.320	100.0				
860.0	178.6	178.6	0.007%	-806.0	20000.000	0.320	100.0				
880.0	178.2	178.2	0.107%	-806.0	20000.000	0.320	100.0				
900.0	177.8	177.8	0.207%	-806.0	20000.000	0.320	100.0				
920.0	177.4	177.4	0.307%	-806.0	20000.000	0.320	100.0				
940.0	177.0	177.0	0.407%	-806.0	20000.000	0.320	100.0				
960.0	176.7	176.7	0.507%	-806.0	20000.000	0.320	100.0				

980.0	176.3	176.3	0.607%	-806.0	20000.000	0.320	100.0
1000.0	175.9	175.9	0.707%	-806.0	20000.000	0.320	100.0
1020.0	175.6	175.6	0.807%	-806.0	20000.000	0.320	100.0
1040.0	175.2	175.2	0.907%	-806.0	20000.000	0.320	100.0
1060.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0
1080.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0
1100.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0
1120.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0
1140.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0
1160.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0
1180.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0
1200.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0
1220.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0
1240.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0
1260.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0
1280.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0
1300.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0
1320.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0
1340.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0
1360.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0
1380.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0
1400.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0
1420.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0
1440.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0
1460.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0
1480.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0
1500.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0
1520.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0
1540.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0
1560.0	174.9	174.9	1.000%	-806.0	0.000	0.320	100.0
1580.0	174.9	174.9	1.000%</				

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B

Actualización 2016

Actualización 2019:

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#####
# ESTUDIO DE VISIBILIDAD
#####
# Estudio de Visibilidad de Parada a lo largo de un eje o
# un tramo de eje.
#####
# ISTRAM(R) V. 9.28 2168
#####
# GRUPO-1.dia
# La distancia de parada = (V * Tp/3.6) + (V*V / (254*(F1 + i)))
# Eje: 4 en sentido: Inverso
# Estudio a velocidad fija de 100.0 Km/h
# Eje desde PK: 0.000 hasta PK: 14136.105
# Estudio desde PK: 0.000 hasta PK: 14136.105
# Saltos del observador para estudio cada: 20.00 m
# Se supone la visibilidad en los primeros: 60.00 m
# A partir de ahí se estudia la visibilidad cada: 20.00 m
# Angulo Focos-rasante, en grados: 1.00
# Angulo de tolerancia horizontal, en grados: 45.00
# El ángulo horizontal mide la desviación de la visual entre observador y
# referencia con respecto a la tangente a la trayectoria en el pk de
# estudio.
# El ángulo Focos-rasante mide la desviación de la visual entre observador y
# referencia con respecto a la línea de máxima iluminación de los focos
# del vehículo.
# El estudio se hace entre el punto de vista del observador y el punto de la
# referencia configurados.
# Trayectoria configurada del observador:
# Superficie: 67
# Lado: Derecho
# Código: 1
# Distancia al código: 2.0 m hacia el exterior
# Altura: 1.10 m desde Calzada Pral.
# Trayectoria configurada de la referencia:
# Superficie: 67
# Lado: Derecho
# Código: 1
# Distancia al código: 0.0 m hacia el exterior
# Altura: 0.20 m desde Calzada Pral.
#####
```

PK	D.Disp	D.Nece	i	Radio	Kv	f1	V.Est	V.Red	Obstáculo	Dist.Eje	PKObstáculo
14136.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
14116.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
14096.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
14076.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
14056.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
14036.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
14016.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13996.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13976.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13956.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13936.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13916.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13896.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13876.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13856.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13836.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13816.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13796.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13776.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13756.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13736.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13716.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13696.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13676.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13656.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13636.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13616.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13596.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13576.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13556.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13536.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13516.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13496.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13476.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13456.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13436.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13416.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13396.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13376.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13356.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13336.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13316.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13296.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13276.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13256.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13236.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13216.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13196.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13176.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				

13156.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13136.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13116.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
13096.1	180.5	180.5	-0.500%	-10302.4	0.000	0.320	100.0				
13076.1	180.5	180.5	-0.500%	-3627.4	0.000	0.320	100.0				
13056.1	180.5	180.5	-0.500%	-2199.4	0.000	0.320	100.0				
13036.1	180.5	180.5	-0.500%	-1577.2	0.000	0.320	100.0				
13016.1	180.5	180.5	-0.500%	-1228.8	0.000	0.320	100.0				
12996.1	180.5	180.5	-0.500%	-1006.1	0.000	0.320	100.0				
12976.1	180.5	180.5	-0.500%	-994.0	0.000	0.320	100.0				
12956.1	180.5	180.5	-0.500%	-994.0	0.000	0.320	100.0				
12936.1	180.5	180.5	-0.500%	-994.0	0.000	0.320	100.0				
12916.1	180.5	180.5	-0.500%	-994.0	0.000	0.320	100.0				
12896.1	180.5	180.5	-0.500%	-994.0	0.000	0.320	100.0				
12876.1	180.5	180.5	-0.500%	-994.0	0.000	0.320	100.0				
12856.1	180.5	180.5	-0.500%	-994.0	0.000	0.320	100.0				
12836.1	180.5	180.5	-0.500%	-994.0	0.000	0.320	100.0				
12816.1	180.5	180.5	-0.500%	-994.0	0.000	0.320	100.0				
12796.1	180.5	180.5	-0.500%	-994.0	0.000	0.320	100.0				
12776.1	180.5	180.5	-0.500%	-994.0	0.000	0.320	100.0				
12756.1	180.5	180.5	-0.487%	-994.0	40000.000	0.320	100.0				
12736.1	180.3	180.3	-0.437%	-994.0	40000.000	0.320	100.0				
12716.1	180.1	180.1	-0.387%	-994.0	40000.000	0.320	100.0				
12696.1	179.9	179.9	-0.337%	-994.0	40000.000	0.320	100.0				
12676.1	179.7	179.7	-0.287%	-994.0	40000.000	0.320	100.0				
12656.1	179.5	179.5	-0.237%	-994.0	40000.000	0.320	100.0				
12636.1	179.3	179.3	-0.187%	-1104.9	40000.000	0.320	100.0				
12616.1	179.1	179.1	-0.137%	-1379.1	40000.000	0.320	100.0				
12596.1	178.9	178.9	-0.087%	-1833.1	40000.000	0.320	100.0				
12576.1	178.7	178.7	-0.037%	-2729.8	40000.000	0.320	100.0				
12556.1	178.5	178.5	0.013%	-5332.6	40000.000	0.320	100.0				
12536.1	178.3	178.3	0.063%	-9994.0	40000.000	0.320	100.0				
12516.1	178.2	178.2	0.113%	10006.0	40000.000	0.320	100.0				
12496.1	178.0	178.0	0.163%	10006.0	40000.000	0.320	100.0				
12476.1	177.8	177.8	0.213%	10006.0	40000.000	0.320	100.0				
12456.1	177.6	177.6	0.263%	10006.0	40000.000	0.320	100.0				
12436.1	177.4	177.4	0.313%	10006.0	40000.000	0.320	100.0				
12416.1	177.2	177.2	0.363%	10006.0	40000.000	0.320	100.0				
12396.1	177.0	177.0	0.413%	10006.0	40000.000	0.320	100.0				
12376.1	176.8	176.8	0.463%	10006.0	40000.000	0.320	100.0				
12356.1	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0				
12336.1	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0				
12316.1	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0				
12296.1	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0				
12276.1	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0				
12256.1	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0				
12236.1	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0				
12216.1	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0				
12196.1	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0				
12176.1	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0				
12156.1	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0				
12136.1	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0				
12116.1	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0				
12096.1	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0				
12076.1	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0				
12056.1	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0				
12036.1	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0				
12016.1	176.7	176.7	0.500%	10006.0	0.000	0.320	100.0				
11996.1	176.7	176.7	0.500%	10006.0	0.000	0					

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



9036.1	173.1	173.1	1.500%	2006.0	0.000	0.320	100.0	6976.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4916.1	189.0	189.0	-2.500%	-1494.0	0.000	0.320	100.0
9016.1	173.1	173.1	1.500%	2006.0	0.000	0.320	100.0	6956.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4896.1	189.0	189.0	-2.500%	-1494.0	0.000	0.320	100.0
8996.1	173.1	173.1	1.500%	2006.0	0.000	0.320	100.0	6936.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4876.1	189.0	189.0	-2.500%	-1494.0	0.000	0.320	100.0
8976.1	173.1	173.1	1.500%	2006.0	0.000	0.320	100.0	6916.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4856.1	189.0	189.0	-2.500%	-1494.0	0.000	0.320	100.0
8956.1	173.1	173.1	1.500%	2006.0	0.000	0.320	100.0	6896.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4836.1	189.0	189.0	-2.500%	-1494.0	0.000	0.320	100.0
8936.1	173.1	173.1	1.500%	2006.0	0.000	0.320	100.0	6876.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4816.1	189.0	189.0	-2.500%	-1494.0	0.000	0.320	100.0
8916.1	173.1	173.1	1.500%	2006.0	0.000	0.320	100.0	6856.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4796.1	189.0	189.0	-2.500%	-1494.0	0.000	0.320	100.0
8896.1	173.1	173.1	1.500%	2006.0	0.000	0.320	100.0	6836.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4776.1	189.0	189.0	-2.500%	-1494.0	0.000	0.320	100.0
8876.1	173.1	173.1	1.481%	2006.0	-31000.000	0.320	100.0	6816.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4756.1	189.0	189.0	-2.500%	-1494.0	0.000	0.320	100.0
8856.1	173.4	173.4	1.416%	2006.0	-31000.000	0.320	100.0	6796.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4736.1	189.0	189.0	-2.500%	-1494.0	0.000	0.320	100.0
8836.1	173.6	173.6	1.352%	2006.0	-31000.000	0.320	100.0	6776.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4716.1	189.0	189.0	-2.500%	-1494.0	0.000	0.320	100.0
8816.1	173.8	173.8	1.287%	2006.0	-31000.000	0.320	100.0	6756.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4696.1	189.0	189.0	-2.500%	-1494.0	0.000	0.320	100.0
8796.1	174.1	174.1	1.223%	2006.0	-31000.000	0.320	100.0	6736.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4676.1	189.0	189.0	-2.500%	-1494.0	0.000	0.320	100.0
8776.1	174.3	174.3	1.158%	2006.0	-31000.000	0.320	100.0	6716.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4656.1	189.0	189.0	-2.500%	-1494.0	0.000	0.320	100.0
8756.1	174.5	174.5	1.094%	2006.0	-31000.000	0.320	100.0	6696.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4636.1	189.0	189.0	-2.500%	-1494.0	0.000	0.320	100.0
8736.1	174.8	174.8	1.029%	2006.0	-31000.000	0.320	100.0	6676.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4616.1	189.0	189.0	-2.500%	-1494.0	0.000	0.320	100.0
8716.1	175.0	175.0	0.964%	2006.0	-31000.000	0.320	100.0	6656.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4596.1	189.0	189.0	-2.500%	-1494.0	0.000	0.320	100.0
8696.1	175.2	175.2	0.900%	2006.0	-31000.000	0.320	100.0	6636.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4576.1	189.0	189.0	-2.500%	-1494.0	0.000	0.320	100.0
8676.1	175.5	175.5	0.835%	2006.0	-31000.000	0.320	100.0	6616.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4556.1	188.8	188.8	-2.452%	-1494.0	16000.000	0.320	100.0
8656.1	175.7	175.7	0.771%	2006.0	-31000.000	0.320	100.0	6596.1	173.1	173.1	1.500%	0.0	0.000	0.320	100.0	4536.1	188.2	188.2	-2.327%	-1494.0	16000.000	0.320	100.0
8636.1	175.9	175.9	0.706%	2006.0	-31000.000	0.320	100.0	6576.1	173.0	173.0	1.533%	0.0	17000.000	0.320	100.0	4516.1	187.7	187.7	-2.202%	-1494.0	16000.000	0.320	100.0
8616.1	176.2	176.2	0.642%	2006.0	-31000.000	0.320	100.0	6556.1	172.6	172.6	1.650%	0.0	17000.000	0.320	100.0	4496.1	187.1	187.1	-2.077%	-1494.0	16000.000	0.320	100.0
8596.1	176.4	176.4	0.577%	2006.0	-31000.000	0.320	100.0	6536.1	172.1	172.1	1.768%	0.0	17000.000	0.320	100.0	4476.1	186.6	186.6	-1.952%	-1494.0	16000.000	0.320	100.0
8576.1	176.6	176.6	0.513%	2006.0	-31000.000	0.320	100.0	6516.1	171.7	171.7	1.885%	0.0	17000.000	0.320	100.0	4456.1	186.0	186.0	-1.827%	-1494.0	16000.000	0.320	100.0
8556.1	176.9	176.9	0.448%	2006.0	-31000.000	0.320	100.0	6496.1	171.3	171.3	2.003%	0.0	17000.000	0.320	100.0	4436.1	185.5	185.5	-1.702%	-1494.0	16000.000	0.320	100.0
8536.1	177.1	177.1	0.384%	2006.0	-31000.000	0.320	100.0	6476.1	170.9	170.9	2.121%	0.0	17000.000	0.320	100.0	4416.1	185.0	185.0	-1.577%	-1494.0	16000.000	0.320	100.0
8516.1	177.4	177.4	0.319%	2006.0	-31000.000	0.320	100.0	6456.1	170.5	170.5	2.238%	0.0	17000.000	0.320	100.0	4396.1	184.4	184.4	-1.452%	-1494.0	16000.000	0.320	100.0
8496.1	177.6	177.6	0.255%	2006.0	-31000.000	0.320	100.0	6436.1	170.1	170.1	2.356%	0.0	17000.000	0.320	100.0	4376.1	183.9	183.9	-1.327%	-1494.0	16000.000	0.320	100.0
8476.1	177.9	177.9	0.190%	2006.0	-31000.000	0.320	100.0	6416.1	169.8	169.8	2.474%	0.0	17000.000	0.320	100.0	4356.1	183.4	183.4	-1.202%	-1494.0	16000.000	0.320	100.0
8456.1	178.1	178.1	0.126%	2006.0	-31000.000	0.320	100.0	6396.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	4336.1	182.9	182.9	-1.077%	-1494.0	16000.000	0.320	100.0
8436.1	178.4	178.4	0.061%	2006.0	-31000.000	0.320	100.0	6376.1	169.9	169.7	2.500%	0.0	0.000	0.320	100.0	4316.1	182.4	182.4	-0.952%	-1496.9	16000.000	0.320	100.0
8416.1	178.6	178.6	-0.003%	2006.0	-31000.000	0.320	100.0	6356.1	169.8	169.8	2.448%	0.0	-20000.000	0.320	100.0	4296.1	181.9	181.9	-0.827%	-1492.3	16000.000	0.320	100.0
8396.1	178.8	178.8	-0.068%	2006.0	-31000.000	0.320	100.0	6336.1	170.2	170.2	2.348%	0.0	-20000.000	0.320	100.0	4276.1	181.3	181.3	-0.702%	-1972.7	16000.000	0.320	100.0
8376.1	179.1	179.1	-0.132%	2006.0	-31000.000	0.320	100.0	6316.1	170.5	170.5	2.248%	0.0	-20000.000	0.320	100.0	4256.1	180.8	180.8	-0.577%	-2344.8	16000.000	0.320	100.0
8356.1	179.3	179.3	-0.197%	2006.0	-31000.000	0.320	100.0	6296.1	170.8	170.8	2.148%	0.0	-20000.000	0.320	100.0	4236.1	180.5	180.5	-0.500%	-2889.4	0.000	0.320	100.0
8336.1	179.6	179.6	-0.261%	2006.0	-31000.000	0.320	100.0	6276.1	171.2	171.2	2.048%	0.0	-20000.000	0.320	100.0	4216.1	180.5	180.5	-0.500%	-3762.2	0.000	0.320	100.0
8316.1	179.9	179.9	-0.326%	2006.0	-31000.000	0.320	100.0	6256.1	171.5	171.5	1.948%	0.0	-20000.000	0.320	100.0	4196.1	180.5	180.5	-0.500%	-5388.4	0.000	0.320	100.0
8296.1	180.1	180.1	-0.390%	2006.0	-31000.000	0.320	100.0	6236.1	171.9	171.9	1.848%	0.0	-20000.000	0.320	100.0	4176.1	180.5	180.5	-0.500%	-9483.6	0.000	0.320	100.0
8276.1	180.4	180.4	-0.455%	2006.0	-31000.000	0.320	100.0	6216.1	172.2	172.2	1.748%	0.0	-20000.000	0.320	100.0	4156.1	180.5	180.5	-0.500%	-9397.0	0.000	0.320	100.0
8256.1	180.6	180.6	-0.519%	2006.0	-31000.000	0.320	100.0	6196.1	172.6	172.6	1.648%	0.0	-20000.000	0.320	100.0	4136.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0
8236.1	180.9	180.9	-0.584%	2006.0	-31000.000	0.320	100.0	6176.1	172.9	172.9	1.548%	0.0	-20000.000	0.320	100.0	4116.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0
8216.1	181.1	181.1	-0.648%	2006.0	-31000.000	0.320	100.0	6156.1	173.3	173.3	1.448%	0.0	-20000.000	0.320	100.0	4096.1	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0
8196.1	181.4	181.4	-0.713%	2006.0	-31000.000	0.320	100.0	6136.1	173.6	173.6	1.348%	0.0	-20000.000	0.320	100.0	4076.1	180.7	180.7	-0.537%	0.0	-50000.000	0.320	100.0
8176.1	181.7	181.7	-0.777%	2006.0	-31000.000	0.320	100.0	6116.1	174.0	174.0	1.248%	0.0	-20000.000	0.320	100.0	4056.1	180.8	180.8	-0.577%	0.0	-50000.000	0.320	100.0
8156.1	181.9	181.9	-0.842%	2006.0	-31000.000	0.320	100.0	6096.1	174.3	174.3	1.148%	0.0	-20000.000	0.320	100.0	4036.1	181.0	181.0	-0.617%	0.0	-50000.000	0.320	100.0
8136.1	182.2	182.2	-0.906%	2006.0	-31000.000	0.320	100.0	6076.1	174.7	174.7	1.048%	0.0	-20000.000	0.320	100.0	4016.1	181.2	181.2	-0.657%	0.0	-50000.000	0.320	100.0
8116.1	182.4	182.4	-0.971%	2006.0	-31000.000	0.320	100.0	6056.1	175.0	175.0	0.948%	0.0	-20000.000	0.320	100.0	3996.1	181.3	181.3	-				

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



2856.1	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	796.1	177.4	177.4	0.313%	-1696.3	20000.000	0.320	100.0
2836.1	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	776.1	177.0	177.0	0.413%	-3003.1	20000.000	0.320	100.0
2816.1	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	756.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2796.1	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	736.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2776.1	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	716.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2756.1	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	696.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2736.1	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	676.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2716.1	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	656.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2696.1	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	636.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2676.1	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	616.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2656.1	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	596.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2636.1	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	576.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2616.1	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	556.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2596.1	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	536.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2576.1	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	516.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2556.1	185.5	185.5	-1.700%	806.0	0.000	0.320	100.0	496.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2536.1	184.7	184.7	-1.507%	806.0	10000.000	0.320	100.0	476.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2516.1	183.8	183.8	-1.307%	806.0	10000.000	0.320	100.0	456.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2496.1	183.0	183.0	-1.107%	806.0	10000.000	0.320	100.0	436.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2476.1	182.2	182.2	-0.907%	806.0	10000.000	0.320	100.0	416.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2456.1	181.4	181.4	-0.707%	806.0	10000.000	0.320	100.0	396.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2436.1	180.6	180.6	-0.507%	806.0	10000.000	0.320	100.0	376.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2416.1	179.8	179.8	-0.307%	806.0	10000.000	0.320	100.0	356.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2396.1	179.0	179.0	-0.107%	806.0	10000.000	0.320	100.0	336.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2376.1	178.2	178.2	0.093%	806.0	10000.000	0.320	100.0	316.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2356.1	177.5	177.5	0.293%	806.0	10000.000	0.320	100.0	296.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2336.1	176.7	176.7	0.493%	806.0	10000.000	0.320	100.0	276.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2316.1	176.7	176.7	0.500%	806.0	0.000	0.320	100.0	256.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2296.1	176.7	176.7	0.500%	806.0	0.000	0.320	100.0	236.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2276.1	176.7	176.7	0.500%	806.0	0.000	0.320	100.0	216.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2256.1	176.7	176.7	0.500%	806.0	0.000	0.320	100.0	196.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2236.1	176.7	176.7	0.500%	806.0	0.000	0.320	100.0	176.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2216.1	176.7	176.7	0.500%	806.0	0.000	0.320	100.0	156.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2196.1	176.7	176.7	0.500%	903.7	0.000	0.320	100.0	136.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2176.1	176.7	176.7	0.500%	1170.3	0.000	0.320	100.0	116.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2156.1	176.7	176.7	0.500%	1662.2	0.000	0.320	100.0	96.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2136.1	176.7	176.7	0.500%	2874.0	0.000	0.320	100.0	76.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2116.1	176.7	176.7	0.500%	10693.0	0.000	0.320	100.0	56.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2096.1	176.7	176.7	0.500%	-6184.8	0.000	0.320	100.0	36.1	176.7	176.7	0.500%	-4994.0	0.000	0.320	100.0
2076.1	176.9	176.9	0.438%	-2394.2	-31000.000	0.320	100.0								
2056.1	177.2	177.2	0.374%	-1482.7	-31000.000	0.320	100.0								
2036.1	177.4	177.4	0.309%	-1072.9	-31000.000	0.320	100.0								
2016.1	177.7	177.7	0.245%	-840.1	-31000.000	0.320	100.0								
1996.1	177.9	177.9	0.180%	-794.0	-31000.000	0.320	100.0								
1976.1	178.1	178.1	0.116%	-794.0	-31000.000	0.320	100.0								
1956.1	178.4	178.4	0.051%	-794.0	-31000.000	0.320	100.0								
1936.1	178.6	178.6	-0.013%	-794.0	-31000.000	0.320	100.0								
1916.1	178.9	178.9	-0.078%	-794.0	-31000.000	0.320	100.0								
1896.1	179.1	179.1	-0.142%	-794.0	-31000.000	0.320	100.0								
1876.1	179.4	179.4	-0.207%	-794.0	-31000.000	0.320	100.0								
1856.1	179.6	179.6	-0.271%	-794.0	-31000.000	0.320	100.0								
1836.1	179.9	179.9	-0.336%	-794.0	-31000.000	0.320	100.0								
1816.1	180.1	180.1	-0.401%	-794.0	-31000.000	0.320	100.0								
1796.1	180.4	180.4	-0.465%	-794.0	-31000.000	0.320	100.0								
1776.1	180.7	180.7	-0.530%	-794.0	-31000.000	0.320	100.0								
1756.1	180.9	180.9	-0.594%	-794.0	-31000.000	0.320	100.0								
1736.1	181.2	181.2	-0.659%	-794.0	-31000.000	0.320	100.0								
1716.1	181.4	181.4	-0.723%	-794.0	-31000.000	0.320	100.0								
1696.1	181.7	181.7	-0.788%	-794.0	-31000.000	0.320	100.0								
1676.1	182.0	182.0	-0.852%	-794.0	-31000.000	0.320	100.0								
1656.1	182.2	182.2	-0.917%	-794.0	-31000.000	0.320	100.0								
1636.1	182.5	182.5	-0.981%	-794.0	-31000.000	0.320	100.0								
1616.1	182.6	182.6	-1.000%	-794.0	0.000	0.320	100.0								
1596.1	182.6	182.6	-1.000%	-794.0	0.000	0.320	100.0								
1576.1	182.6	182.6	-1.000%	-794.0	0.000	0.320	100.0								
1556.1	182.6	182.6	-1.000%	-794.0	0.000	0.320	100.0								
1536.1	182.6	182.6	-1.000%	-794.0	0.000	0.320	100.0								
1516.1	182.6	182.6	-1.000%	-794.0	0.000	0.320	100.0								
1496.1	182.6	182.6	-1.000%	-794.0	0.000	0.320	100.0								
1476.1	182.6	182.6	-1.000%	-794.0	0.000	0.320	100.0								
1456.1	182.6	182.6	-1.000%	-794.0	0.000	0.320	100.0								
1436.1	182.6	182.6	-1.000%	-794.0	0.000	0.320	100.0								
1416.1	182.6	182.6	-1.000%	-794.0	0.000	0.320	100.0								
1396.1	182.6	182.6	-1.000%	-794.0	0.000	0.320	100.0								
1376.1	182.6	182.6	-1.000%	-794.0	0.000	0.320	100.0								
1356.1	182.6	182.6	-1.000%	-794.0	0.000	0.320	100.0								
1336.1	182.6	182.6	-1.000%	-794.0	0.000	0.320	100.0								
1316.1	182.6	182.6	-1.000%	-794.0	0.000	0.320	100.0								
1296.1	182.6	182.6	-1.000%	-794.0	0.000	0.320	100.0								
1276.1	182.6	182.6	-1.000%	-794.0	0.000	0.320	100.0								
1256.1	182.6	182.6	-1.000%	-794.0	0.000	0.320	100.0								
1236.1	182.6	182.6	-1.000%	-794.0	0.000	0.320	100.0								
1216.1	182.6	182.6	-1.000%	-794.0	0.000	0.320	100.0								
1196.1	182.6	182.6	-1.000%	-794.0	0.000	0.3									

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



980.0	176.7	176.7	0.500%	1190.5	0.000	0.320	100.0	3040.0	168.0	168.0	3.000%	-5079.8	0.000	0.320	100.0	5100.0	175.6	175.6	0.785%	-6009.5	20000.000	0.320	100.0
1000.0	176.7	176.7	0.500%	1190.5	0.000	0.320	100.0	3060.0	168.0	168.0	3.000%	-9382.6	0.000	0.320	100.0	5120.0	175.3	175.3	0.885%	-6009.5	20000.000	0.320	100.0
1020.0	176.7	176.7	0.500%	1230.7	0.000	0.320	100.0	3080.0	168.0	168.0	3.000%	-61929.2	0.000	0.320	100.0	5140.0	174.9	174.9	0.985%	-6009.5	20000.000	0.320	100.0
1040.0	176.7	176.7	0.500%	1458.2	0.000	0.320	100.0	3100.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5160.0	174.6	174.6	1.085%	-6009.5	20000.000	0.320	100.0
1060.0	176.7	176.7	0.500%	1788.0	0.000	0.320	100.0	3120.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5180.0	174.2	174.2	1.185%	-6009.5	20000.000	0.320	100.0
1080.0	176.7	176.7	0.500%	2308.9	0.000	0.320	100.0	3140.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5200.0	173.8	173.8	1.285%	-6009.5	20000.000	0.320	100.0
1100.0	176.7	176.7	0.500%	3255.0	0.000	0.320	100.0	3160.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5220.0	173.5	173.5	1.385%	-6009.5	20000.000	0.320	100.0
1120.0	176.7	176.7	0.500%	3505.4	0.000	0.320	100.0	3180.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5240.0	173.1	173.1	1.485%	-6009.5	20000.000	0.320	100.0
1140.0	176.7	176.7	0.500%	17744.3	0.000	0.320	100.0	3200.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5260.0	172.8	172.8	1.585%	-6009.5	20000.000	0.320	100.0
1160.0	176.7	176.7	0.500%	-20113.5	0.000	0.320	100.0	3220.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5280.0	172.4	172.4	1.685%	-6009.5	20000.000	0.320	100.0
1180.0	176.2	176.2	0.638%	-7138.1	7000.000	0.320	100.0	3240.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5300.0	172.1	172.1	1.785%	-6009.5	20000.000	0.320	100.0
1200.0	175.1	175.1	0.924%	-4341.9	7000.000	0.320	100.0	3260.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5320.0	171.7	171.7	1.885%	-6009.5	20000.000	0.320	100.0
1220.0	174.1	174.1	1.210%	-3121.3	7000.000	0.320	100.0	3280.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5340.0	171.4	171.4	1.985%	-6009.5	20000.000	0.320	100.0
1240.0	173.1	173.1	1.495%	-2437.3	7000.000	0.320	100.0	3300.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5360.0	171.1	171.1	2.085%	-6009.5	20000.000	0.320	100.0
1260.0	172.1	172.1	1.781%	-1999.8	7000.000	0.320	100.0	3320.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5380.0	170.7	170.7	2.185%	-6009.5	20000.000	0.320	100.0
1280.0	171.1	171.1	2.067%	-1695.9	7000.000	0.320	100.0	3340.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5400.0	170.4	170.4	2.285%	-6009.5	20000.000	0.320	100.0
1300.0	170.2	170.2	2.353%	-1472.5	7000.000	0.320	100.0	3360.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5420.0	170.1	170.1	2.385%	-6009.5	20000.000	0.320	100.0
1320.0	169.2	169.2	2.638%	-1409.5	7000.000	0.320	100.0	3380.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5440.0	169.7	169.7	2.485%	-6009.5	20000.000	0.320	100.0
1340.0	168.3	168.3	2.924%	-1409.5	7000.000	0.320	100.0	3400.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5460.0	169.7	169.7	2.500%	-6009.5	0.000	0.320	100.0
1360.0	168.0	168.0	3.000%	-1409.5	0.000	0.320	100.0	3420.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5480.0	169.7	169.7	2.500%	-6009.5	0.000	0.320	100.0
1380.0	168.0	168.0	3.000%	-1409.5	0.000	0.320	100.0	3440.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5500.0	169.7	169.7	2.500%	-6009.5	0.000	0.320	100.0
1400.0	168.0	168.0	3.000%	-1409.5	0.000	0.320	100.0	3460.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5520.0	169.7	169.7	2.500%	-6009.5	0.000	0.320	100.0
1420.0	168.0	168.0	3.000%	-1409.5	0.000	0.320	100.0	3480.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5540.0	170.6	170.6	2.234%	-6009.5	-7200.000	0.320	100.0
1440.0	168.0	168.0	3.000%	-1409.5	0.000	0.320	100.0	3500.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5560.0	171.5	171.5	1.957%	-6009.5	-7200.000	0.320	100.0
1460.0	168.3	168.3	2.932%	-1409.5	-15300.000	0.320	100.0	3520.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5580.0	172.5	172.5	1.679%	-6009.5	-7200.000	0.320	100.0
1480.0	168.7	168.7	2.801%	-1409.5	-15300.000	0.320	100.0	3540.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5600.0	173.4	173.4	1.401%	-6009.5	-7200.000	0.320	100.0
1500.0	169.1	169.1	2.670%	-1409.5	-15300.000	0.320	100.0	3560.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5620.0	174.4	174.4	1.123%	-6009.5	-7200.000	0.320	100.0
1520.0	169.5	169.5	2.540%	-1409.5	-15300.000	0.320	100.0	3580.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5640.0	175.4	175.4	0.846%	-6009.5	-7200.000	0.320	100.0
1540.0	170.0	170.0	2.409%	-1409.5	-15300.000	0.320	100.0	3600.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5660.0	176.4	176.4	0.568%	-6009.5	-7200.000	0.320	100.0
1560.0	170.4	170.4	2.278%	-1409.5	-15300.000	0.320	100.0	3620.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5680.0	177.5	177.5	0.290%	-6009.5	-7200.000	0.320	100.0
1580.0	170.9	170.9	2.147%	-1409.5	-15300.000	0.320	100.0	3640.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5700.0	178.5	178.5	0.012%	-6009.5	-7200.000	0.320	100.0
1600.0	171.3	171.3	2.017%	-1409.5	-15300.000	0.320	100.0	3660.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5720.0	179.6	179.6	-0.266%	-6009.5	-7200.000	0.320	100.0
1620.0	171.7	171.7	1.886%	-1409.5	-15300.000	0.320	100.0	3680.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5740.0	180.7	180.7	-0.543%	-6009.5	-7200.000	0.320	100.0
1640.0	172.2	172.2	1.755%	-1409.5	-15300.000	0.320	100.0	3700.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5760.0	181.8	181.8	-0.821%	-6009.5	-7200.000	0.320	100.0
1660.0	172.6	172.6	1.625%	-1409.5	-15300.000	0.320	100.0	3720.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5780.0	182.6	182.6	-1.000%	-6009.5	0.000	0.320	100.0
1680.0	173.1	173.1	1.494%	-1409.5	-15300.000	0.320	100.0	3740.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5800.0	182.6	182.6	-1.000%	-6009.5	0.000	0.320	100.0
1700.0	173.6	173.6	1.363%	-1409.5	-15300.000	0.320	100.0	3760.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5820.0	182.6	182.6	-1.000%	-6009.5	0.000	0.320	100.0
1720.0	174.0	174.0	1.232%	-1409.5	-15300.000	0.320	100.0	3780.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5840.0	182.6	182.6	-1.000%	-6009.5	0.000	0.320	100.0
1740.0	174.5	174.5	1.102%	-1409.5	-15300.000	0.320	100.0	3800.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5860.0	182.6	182.6	-1.000%	-6009.5	0.000	0.320	100.0
1760.0	175.0	175.0	0.971%	-1409.5	-15300.000	0.320	100.0	3820.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5880.0	182.6	182.6	-1.000%	-6009.5	0.000	0.320	100.0
1780.0	175.4	175.4	0.840%	-1409.5	-15300.000	0.320	100.0	3840.0	168.2	168.2	2.958%	0.0	-7300.000	0.320	100.0	5900.0	182.6	182.6	-1.000%	-6009.5	0.000	0.320	100.0
1800.0	175.9	175.9	0.709%	-1409.5	-15300.000	0.320	100.0	3860.0	169.1	169.1	2.684%	0.0	-7300.000	0.320	100.0	5920.0	182.6	182.6	-1.000%	-6009.5	0.000	0.320	100.0
1820.0	176.0	176.0	0.700%	-1409.5	0.000	0.320	100.0	3880.0	170.0	170.0	2.410%	0.0	-7300.000	0.320	100.0	5940.0	182.6	182.6	-1.000%	-6009.5	0.000	0.320	100.0
1840.0	176.0	176.0	0.700%	-1409.5	0.000	0.320	100.0	3900.0	170.9	170.9	2.136%	0.0	-7300.000	0.320	100.0	5960.0	182.6	182.6	-1.000%	-6009.5	0.000	0.320	100.0
1860.0	176.0	176.0	0.700%	-1409.5	0.000	0.320	100.0	3920.0	171.8	171.8	1.862%	0.0	-7300.000	0.320	100.0	5980.0	182.6	182.6	-1.000%	-6009.5	0.000	0.320	100.0
1880.0	176.0	176.0	0.700%	-1409.5	0.000	0.320	100.0	3940.0	172.8	172.8	1.588%	0.0	-7300.000	0.320	100.0	6000.0	182.6	182.6	-1.000%	-6009.5	0.000	0.320	100.0
1900.0	176.0	176.0	0.700%	-1409.5	0.000	0.320	100.0	3960.0	173.7	173.7	1.314%	0.0	-7300.000	0.320	100.0	6020.0	182.6	182.6	-1.000%	-6009.5	0.000	0.320	100.0
1920.0	176.0																						

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Actualización 2016

Actualización 2019:



```
#####
# ESTUDIO DE VISIBILIDAD
#####
# Estudio de Visibilidad de Parada a lo largo de un eje o
# un tramo de eje.
#
# ISTRAM(R) V. 9.28 2168
#####
# Tabla de diseño de alzado (.dia): GRUPO-1.dia
# La distancia de parada = (V * Tp/3.6) + (V^2 / (254*(F1 + i)))
#
# Eje: 5 en sentido: Inverso
# Estudio a velocidad fija de 100.0 Km/h
# Eje desde PK: 0.000 hasta PK: 11741.162
# Estudio desde PK: 0.000 hasta PK: 11741.162
#
# Saltos del observador para estudio cada: 20.00 m
# Se supone la visibilidad en los primeros: 60.00 m
# A partir de ahí se estudia la visibilidad cada: 20.00 m
#
# Angulo Focos-rasante, en grados: 1.00
# Angulo de tolerancia horizontal, en grados: 45.00
#
# El ángulo horizontal mide la desviación de la visual entre observador y
# referencia con respecto a la tangente a la trayectoria en el pk de
# estudio.
# El ángulo Focos-rasante mide la desviación de la visual entre observador y
# referencia con respecto a la línea de máxima iluminación de los focos
# del vehículo.
#
# El estudio se hace entre el punto de vista del observador y el punto de la
# referencia configurados.
#
# Trayectoria configurada del observador:
# Superficie: 67
# Lado: Derecho
# Código: 1
# Distancia al código: 5.5 m hacia el exterior
# Altura: 1.10 m desde Calzada Pral.
#
# Trayectoria configurada de la referencia:
# Superficie: 67
# Lado: Derecho
# Código: 1
# Distancia al código: 0.0 m hacia el exterior
# Altura: 0.20 m desde Calzada Pral.
#####
```

PK	D.Disp	D.Nece	i	Radio	Kv	f1	V.Est	V.Red	Obstáculo	Dist.Eje	PKObstáculo
11741.2	186.8	186.8	-2.000%	0.0	0.000	0.320	100.0				
11721.2	186.8	186.8	-2.000%	0.0	0.000	0.320	100.0				
11701.2	186.8	186.8	-2.000%	0.0	0.000	0.320	100.0				
11681.2	186.8	186.8	-2.000%	0.0	0.000	0.320	100.0				
11661.2	186.8	186.8	-2.000%	0.0	0.000	0.320	100.0				
11641.2	186.3	186.3	-1.878%	0.0	15300.000	0.320	100.0				
11621.2	185.7	185.7	-1.748%	0.0	15300.000	0.320	100.0				
11601.2	185.1	185.1	-1.617%	0.0	15300.000	0.320	100.0				
11581.2	184.6	184.6	-1.486%	0.0	15300.000	0.320	100.0				
11561.2	184.0	184.0	-1.356%	0.0	15300.000	0.320	100.0				
11541.2	183.5	183.5	-1.225%	0.0	15300.000	0.320	100.0				
11521.2	182.9	182.9	-1.094%	0.0	15300.000	0.320	100.0				
11501.2	182.4	182.4	-0.963%	0.0	15300.000	0.320	100.0				
11481.2	181.9	181.9	-0.833%	0.0	15300.000	0.320	100.0				
11461.2	181.3	181.3	-0.702%	0.0	15300.000	0.320	100.0				
11441.2	180.8	180.8	-0.571%	0.0	15300.000	0.320	100.0				
11421.2	180.3	180.3	-0.440%	0.0	15300.000	0.320	100.0				
11401.2	179.8	179.8	-0.310%	0.0	15300.000	0.320	100.0				
11381.2	179.3	179.3	-0.179%	0.0	15300.000	0.320	100.0				
11361.2	178.8	178.8	-0.048%	0.0	15300.000	0.320	100.0				
11341.2	178.3	178.3	0.082%	0.0	15300.000	0.320	100.0				
11321.2	177.8	177.8	0.213%	0.0	15300.000	0.320	100.0				
11301.2	177.3	177.3	0.344%	0.0	15300.000	0.320	100.0				
11281.2	176.8	176.8	0.475%	0.0	15300.000	0.320	100.0				
11261.2	176.3	176.3	0.605%	0.0	15300.000	0.320	100.0				
11241.2	175.8	175.8	0.736%	0.0	15300.000	0.320	100.0				
11221.2	175.3	175.3	0.867%	0.0	15300.000	0.320	100.0				
11201.2	174.9	174.9	0.997%	0.0	15300.000	0.320	100.0				
11181.2	174.4	174.4	1.128%	0.0	15300.000	0.320	100.0				
11161.2	173.9	173.9	1.259%	0.0	15300.000	0.320	100.0				
11141.2	173.5	173.5	1.390%	0.0	15300.000	0.320	100.0				
11121.2	173.0	173.0	1.520%	0.0	15300.000	0.320	100.0				
11101.2	172.6	172.6	1.651%	0.0	15300.000	0.320	100.0				
11081.2	172.1	172.1	1.782%	0.0	15300.000	0.320	100.0				
11061.2	171.6	171.6	1.912%	0.0	15300.000	0.320	100.0				
11041.2	171.2	171.2	2.043%	0.0	15300.000	0.320	100.0				
11021.2	170.8	170.8	2.174%	0.0	15300.000	0.320	100.0				
11001.2	170.3	170.3	2.305%	0.0	15300.000	0.320	100.0				
10981.2	169.9	169.9	2.435%	0.0	15300.000	0.320	100.0				
10961.2	169.5	169.5	2.566%	0.0	15300.000	0.320	100.0				
10941.2	169.0	169.0	2.697%	0.0	15300.000	0.320	100.0				
10921.2	168.6	168.6	2.827%	0.0	15300.000	0.320	100.0				
10901.2	168.2	168.2	2.958%	0.0	15300.000	0.320	100.0				
10881.2	167.8	167.8	3.089%	0.0	15300.000	0.320	100.0				
10861.2	167.3	167.3	3.220%	0.0	15300.000	0.320	100.0				
10841.2	166.9	166.9	3.350%	0.0	15300.000	0.320	100.0				
10821.2	166.5	166.5	3.481%	-15401.8	15300.000	0.320	100.0				
10801.2	166.1	166.1	3.612%	-6892.4	15300.000	0.320	100.0				
10781.2	165.7	165.7	3.743%	-4437.2	15300.000	0.320	100.0				

10761.2	165.3	165.3	3.873%	-3270.4	15300.000	0.320	100.0				
10741.2	164.9	164.9	4.000%	-2588.7	0.000	0.320	100.0				
10721.2	164.9	164.9	4.000%	-2141.6	0.000	0.320	100.0				
10701.2	164.9	164.9	4.000%	-1825.7	0.000	0.320	100.0				
10681.2	164.9	164.9	4.000%	-1590.8	0.000	0.320	100.0				
10661.2	164.9	164.9	4.000%	-1490.5	0.000	0.320	100.0				
10641.2	164.9	164.9	4.000%	-1490.5	0.000	0.320	100.0				
10621.2	165.0	165.0	3.970%	-1490.5	-15300.000	0.320	100.0				
10601.2	165.4	165.4	3.839%	-1490.5	-15300.000	0.320	100.0				
10581.2	165.8	165.8	3.708%	-1490.5	-15300.000	0.320	100.0				
10561.2	166.2	166.2	3.577%	-1490.5	-15300.000	0.320	100.0				
10541.2	166.6	166.6	3.447%	-1490.5	-15300.000	0.320	100.0				
10521.2	167.0	167.0	3.316%	-1490.5	-15300.000	0.320	100.0				
10501.2	167.4	167.4	3.185%	-1490.5	-15300.000	0.320	100.0				
10481.2	167.9	167.9	3.055%	-1490.5	-15300.000	0.320	100.0				
10461.2	168.0	168.0	3.000%	-1490.5	0.000	0.320	100.0				
10441.2	168.0	168.0	3.000%	-1490.5	0.000	0.320	100.0				
10421.2	168.0	168.0	3.000%	-1490.5	0.000	0.320	100.0				
10401.2	168.0	168.0	3.000%	-1490.5	0.000	0.320	100.0				
10381.2	168.0	168.0	3.000%	-1490.5	0.000	0.320	100.0				
10361.2	168.0	168.0	3.000%	-1490.5	0.000	0.320	100.0				
10341.2	168.0	168.0	3.000%	-1490.5	0.000	0.320	100.0				
10321.2	168.0	168.0	3.000%	-1490.5	0.000	0.320	100.0				
10301.2	168.0	168.0	3.000%	-1490.5	0.000	0.320	100.0				
10281.2	168.0	168.0	3.000%	-1490.5	0.000	0.320	100.0				
10261.2	168.0	168.0	3.000%	-1490.5	0.000	0.320	100.0				
10241.2	168.0	168.0	3.000%	-1490.5	0.000	0.320	100.0				
10221.2	168.0	168.0	3.000%	-1490.5	0.000	0.320	100.0				
10201.2	168.0	168.0	3.000%	-1490.5	0.000	0.320	100.0				
10181.2	168.0	168.0	3.000%	-1490.5	0.000	0.320	100.0				
10161.2	168.0	168.0	3.000%	-1490.5	0.000	0.320	100.0				
10141.2	168.0	168.0	3.000%	-1490.5	0.000	0.320	100.0				
10121.2	168.0	168.0	3.000%	-1490.5	0.000	0.320	100.0				
10101.2	168.0	168.0	3.000%	-1490.5	0.000	0.320	100.0				
10081.2	168.0	168.0	3.000%	-1490.5	0.000	0.320	100.0				
10061.2	168.0	168.0	3.000%	-1490.5	0.000	0.320	100.0				
10041.2	168.0	168.0	3.000%	-1490.5	0.000	0.320	100.0				
10021.2	168.0	168.0	3.000%	-1490.5	0.000	0.320	100.0				
10001.2	168.0	168.0	3.000%	-1560.2	0.000	0.320	100.0				
9981.2	168.0	168.0	3.000%	-1785.7	0.000	0.320	100.0				
9961.2	168.0	168.0	3.000%	-2086.7	0.000	0.320	100.0				
9941.2	168.0	168.0	3.000%	-2509.1	0.000	0.320	100.0				
9921.2	168.0	168.0	3.000%	-3144.6	0.000	0.320	100.0				
9901.2	168.0	168.0	3.000%	-4239.1	0.000	0.320	100.0				
9881.2	168.0	168.0	3.000%	-6358.1	0.000	0.320	100.0				
9861.2	168.0	168.0	3.000%	-12970.0	0.000	0.320	100.0				
9841.2	168.0	168.0	3.000%	100009.5	0.000	0.320	100.0				
9821.2	168.0	168.0	3.000%	4643.3	0.000	0.320	100.0				
9801.2	168.0	168.0	3.000%	2368.4	0.000	0.320	100.0				
9781.2	168.0	168.0	3.000%	1591.7	0.000	0.320	100.0				
9761.2	168.0	168.0	3.000%	1199.8	0.000	0.320	100.0				
9741.2	168.0	168.0	3.000%	963.5	0.000	0.320	100.0				
9721.2	168.0	168.0	3.000%	909.5	0.000	0.320	100.0				
9701.2	168.0	168.0	3.000%	909.5	0.000	0.320	100.0				
9681.2	168.0	168.0	3.000%	909.5	0.000	0.320	100.0				
9661.2	168.0	168.0	3.000%	909.5	0.000	0.320	100.0				
9641.2	168.0	168.0	3.000%	909.5	0.000	0.320	100.0				
9621.2	168.0	168.0	3.000%	909.5	0.000	0.320	100.0				
9601.2	168.0	168.0	3.000%	909.5	0.000						

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



6641.2	176.8	176.8	0.468%	1536.7	7000.000	0.320	100.0	4581.2	172.0	172.0	1.810%	2009.5	20000.000	0.320	100.0	2521.2	201.4	201.4	-5.000%	-1390.5	0.000	0.320	100.0
6621.2	175.8	175.8	0.754%	2248.2	7000.000	0.320	100.0	4561.2	171.7	171.7	1.910%	2009.5	20000.000	0.320	100.0	2501.2	201.4	201.4	-5.000%	-1390.5	0.000	0.320	100.0
6601.2	174.9	174.9	1.000%	4201.1	0.000	0.320	100.0	4541.2	171.3	171.3	2.010%	2009.5	20000.000	0.320	100.0	2481.2	201.4	201.4	-5.000%	-1390.5	0.000	0.320	100.0
6581.2	174.9	174.9	1.000%	32844.7	0.000	0.320	100.0	4521.2	171.0	171.0	2.110%	2009.5	20000.000	0.320	100.0	2461.2	201.4	201.4	-5.000%	-1390.5	0.000	0.320	100.0
6561.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	4501.2	170.6	170.6	2.210%	2009.5	20000.000	0.320	100.0	2441.2	201.4	201.4	-5.000%	-1390.5	0.000	0.320	100.0
6541.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	4481.2	170.3	170.3	2.310%	2009.5	20000.000	0.320	100.0	2421.2	201.4	201.4	-5.000%	-1390.5	0.000	0.320	100.0
6521.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	4461.2	170.0	170.0	2.410%	2009.5	20000.000	0.320	100.0	2401.2	200.8	200.8	-4.894%	-1390.5	7000.000	0.320	100.0
6501.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	4441.2	169.6	169.6	2.510%	2009.5	20000.000	0.320	100.0	2381.2	199.3	199.3	-4.609%	-1390.5	7000.000	0.320	100.0
6481.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	4421.2	169.3	169.3	2.610%	2009.5	20000.000	0.320	100.0	2361.2	197.8	197.8	-4.323%	-1390.5	7000.000	0.320	100.0
6461.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	4401.2	169.0	169.0	2.710%	2009.5	20000.000	0.320	100.0	2341.2	196.4	196.4	-4.037%	-1390.5	7000.000	0.320	100.0
6441.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	4381.2	168.7	168.7	2.810%	2009.5	20000.000	0.320	100.0	2321.2	194.9	194.9	-3.752%	-1390.5	7000.000	0.320	100.0
6421.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	4361.2	168.3	168.3	2.910%	2009.5	20000.000	0.320	100.0	2301.2	193.5	193.5	-3.466%	-1390.5	7000.000	0.320	100.0
6401.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	4341.2	168.0	168.0	3.000%	2009.5	0.000	0.320	100.0	2281.2	192.2	192.2	-3.180%	-1390.5	7000.000	0.320	100.0
6381.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	4321.2	168.0	168.0	3.000%	2009.5	0.000	0.320	100.0	2261.2	190.8	190.8	-2.894%	-1390.5	7000.000	0.320	100.0
6361.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	4301.2	168.0	168.0	3.000%	2009.5	0.000	0.320	100.0	2241.2	189.5	189.5	-2.609%	-1390.5	7000.000	0.320	100.0
6341.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	4281.2	168.0	168.0	3.000%	2009.5	0.000	0.320	100.0	2221.2	188.2	188.2	-2.323%	-1390.5	7000.000	0.320	100.0
6321.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	4261.2	168.7	168.7	2.811%	2009.5	-7300.000	0.320	100.0	2201.2	187.0	187.0	-2.037%	-1390.5	7000.000	0.320	100.0
6301.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	4241.2	169.5	169.5	2.537%	2174.8	-7300.000	0.320	100.0	2181.2	185.7	185.7	-1.752%	-1390.5	7000.000	0.320	100.0
6281.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	4221.2	170.5	170.5	2.263%	2406.0	-7300.000	0.320	100.0	2161.2	184.5	184.5	-1.466%	-1390.5	7000.000	0.320	100.0
6261.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	4201.2	171.4	171.4	1.989%	2692.4	-7300.000	0.320	100.0	2141.2	183.3	183.3	-1.180%	-1390.5	7000.000	0.320	100.0
6241.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	4181.2	172.3	172.3	1.715%	3056.6	-7300.000	0.320	100.0	2121.2	182.1	182.1	-0.894%	-1390.5	7000.000	0.320	100.0
6221.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	4161.2	173.3	173.3	1.441%	3535.3	-7300.000	0.320	100.0	2101.2	181.3	181.3	-0.700%	-1390.5	0.000	0.320	100.0
6201.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	4141.2	174.3	174.3	1.167%	4192.4	-7300.000	0.320	100.0	2081.2	181.3	181.3	-0.700%	-1390.5	0.000	0.320	100.0
6181.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	4121.2	175.2	175.2	0.893%	5150.4	-7300.000	0.320	100.0	2061.2	181.3	181.3	-0.700%	-1390.5	0.000	0.320	100.0
6161.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	4101.2	176.3	176.3	0.619%	6677.8	-7300.000	0.320	100.0	2041.2	181.3	181.3	-0.700%	-1390.5	0.000	0.320	100.0
6141.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	4081.2	177.3	177.3	0.345%	9496.3	-7300.000	0.320	100.0	2021.2	181.3	181.3	-0.700%	-1390.5	0.000	0.320	100.0
6121.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	4061.2	178.3	178.3	0.071%	16441.5	-7300.000	0.320	100.0	2001.2	181.3	181.3	-0.700%	-1390.5	0.000	0.320	100.0
6101.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	4041.2	179.4	179.4	-0.203%	61346.6	-7300.000	0.320	100.0	1981.2	181.3	181.3	-0.700%	-1390.5	0.000	0.320	100.0
6081.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	4021.2	180.4	180.4	-0.477%	0.0	-7300.000	0.320	100.0	1961.2	181.3	181.3	-0.700%	-1390.5	0.000	0.320	100.0
6061.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	4001.2	181.5	181.5	-0.751%	0.0	-7300.000	0.320	100.0	1941.2	181.3	181.3	-0.700%	-1390.5	0.000	0.320	100.0
6041.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	3981.2	182.7	182.7	-1.025%	0.0	-7300.000	0.320	100.0	1921.2	181.3	181.3	-0.700%	-1390.5	0.000	0.320	100.0
6021.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	3961.2	183.8	183.8	-1.299%	0.0	-7300.000	0.320	100.0	1901.2	181.3	181.3	-0.700%	-1390.5	0.000	0.320	100.0
6001.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	3941.2	184.9	184.9	-1.573%	0.0	-7300.000	0.320	100.0	1881.2	181.3	181.3	-0.700%	-1390.5	0.000	0.320	100.0
5981.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	3921.2	186.1	186.1	-1.846%	0.0	-7300.000	0.320	100.0	1861.2	181.3	181.3	-0.700%	-1390.5	0.000	0.320	100.0
5961.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	3901.2	187.3	187.3	-2.120%	0.0	-7300.000	0.320	100.0	1841.2	181.3	181.3	-0.700%	-1390.5	0.000	0.320	100.0
5941.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	3881.2	188.5	188.5	-2.394%	0.0	-7300.000	0.320	100.0	1821.2	181.3	181.3	-0.700%	-1390.5	0.000	0.320	100.0
5921.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	3861.2	189.8	189.8	-2.668%	0.0	-7300.000	0.320	100.0	1801.2	181.3	181.3	-0.702%	-1390.5	-15300.000	0.320	100.0
5901.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	3841.2	191.0	191.0	-2.942%	0.0	-7300.000	0.320	100.0	1781.2	181.9	181.9	-0.833%	-1390.5	-15300.000	0.320	100.0
5881.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	3821.2	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0	1761.2	182.4	182.4	-0.963%	-1390.5	-15300.000	0.320	100.0
5861.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	3801.2	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0	1741.2	182.9	182.9	-1.094%	-1390.5	-15300.000	0.320	100.0
5841.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	3781.2	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0	1721.2	183.5	183.5	-1.225%	-1390.5	-15300.000	0.320	100.0
5821.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	3761.2	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0	1701.2	184.0	184.0	-1.355%	-1390.5	-15300.000	0.320	100.0
5801.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	3741.2	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0	1681.2	184.6	184.6	-1.486%	-1390.5	-15300.000	0.320	100.0
5781.2	174.9	174.9	1.000%	-5990.5	0.000	0.320	100.0	3721.2	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0	1661.2	185.1	185.1	-1.617%	-1390.5	-15300.000	0.320	100.0
5761.2	175.4	175.4	0.837%	-7200.000	0.320	100.0	3701.2	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0	1641.2	185.7	185.7	-1.748%	-1390.5	-15300.000	0.320	100.0	
5741.2	176.5	176.5	0.560%	-5990.5	0.000	0.320	100.0	3681.2	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0	1621.2	186.3	186.3	-1.878%	-1390.5	-15300.000	0.320	100.0
5721.2	177.5	177.5	0.282%	-5990.5	-7200.000	0.320	100.0	3661.2	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0	1601.2	186.8	186.8	-2.009%	-1390.5	-15300.0		

461.2	180.5	180.5	-0.500%	1209.5	0.000	0.320	100.0
441.2	180.5	180.5	-0.500%	1209.5	0.000	0.320	100.0
421.2	180.5	180.5	-0.500%	1209.5	0.000	0.320	100.0
401.2	180.5	180.5	-0.500%	1209.5	0.000	0.320	100.0
381.2	180.5	180.5	-0.500%	1209.5	0.000	0.320	100.0
361.2	180.5	180.5	-0.500%	1209.5	0.000	0.320	100.0
341.2	180.5	180.5	-0.500%	1209.5	0.000	0.320	100.0
321.2	180.5	180.5	-0.500%	1209.5	0.000	0.320	100.0
301.2	180.5	180.5	-0.500%	1209.5	0.000	0.320	100.0
281.2	180.5	180.5	-0.500%	1209.5	0.000	0.320	100.0
261.2	180.5	180.5	-0.500%	1209.5	0.000	0.320	100.0
241.2	180.5	180.5	-0.500%	1209.5	0.000	0.320	100.0
221.2	180.5	180.5	-0.500%	1209.5	0.000	0.320	100.0
201.2	180.5	180.5	-0.500%	1209.5	0.000	0.320	100.0
181.2	180.5	180.5	-0.500%	1209.5	0.000	0.320	100.0
161.2	180.4	180.4	-0.471%	1209.5	16000.000	0.320	100.0
141.2	179.9	179.9	-0.346%	1209.5	16000.000	0.320	100.0
121.2	179.4	179.4	-0.221%	1209.5	16000.000	0.320	100.0
101.2	179.0	179.0	-0.096%	1209.5	16000.000	0.320	100.0
81.2	178.5	178.5	0.029%	1209.5	16000.000	0.320	100.0
61.2	178.0	178.0	0.154%	1209.5	16000.000	0.320	100.0
41.2	177.5	177.5	0.279%	1209.5	16000.000	0.320	100.0
21.2	177.1	177.1	0.404%	1209.5	16000.000	0.320	100.0

```
#####
# ESTUDIO DE VISIBILIDAD #
#####
# Estudio de Visibilidad de Parada a lo largo de un eje o #
# un tramo de eje. #
# #
#####
# ISTRAM(R) V. 9.28 2168 #
#####
# Tabla de diseño de alzado (.dia): GRUPO-1.dia #
# La distancia de parada = (V * Tp/3.6) + (V*V / (254*(F1 + i))) #
# #
# Eje: 5 en sentido: Normal #
# Estudio a velocidad fija de 100.0 Km/h #
# Eje desde PK: 0.000 hasta PK: 11741.162 #
# Estudio desde PK: 0.000 hasta PK: 11741.162 #
# #
# Saltos del observador para estudio cada: 20.00 m #
# Se supone la visibilidad en los primeros: 60.00 m #
# A partir de ahí se estudia la visibilidad cada: 20.00 m #
# #
# Angulo Focos-rasante, en grados: 1.00 #
# Angulo de tolerancia horizontal, en grados: 45.00 #
# #
# El ángulo horizontal mide la desviación de la visual entre observador y #
# referencia con respecto a la tangente a la trayectoria en el pk de #
# estudio. #
# El ángulo Focos-rasante mide la desviación de la visual entre observador y #
# referencia con respecto a la línea de máxima iluminación de los focos #
# del vehículo. #
# #
# El estudio se hace entre el punto de vista del observador y el punto de la #
# referencia configurados. #
# #
# Trayectoria configurada del observador: #
# Superficie: 67 #
# Lado: Derecho #
# Código: 1 #
# Distancia al código: 2.0 m hacia el exterior #
# Altura: 1.10 m desde Calzada Pral. #
# #
# Trayectoria configurada de la referencia: #
# Superficie: 67 #
# Lado: Derecho #
# Código: 1 #
# Distancia al código: 0.0 m hacia el exterior #
# Altura: 0.20 m desde Calzada Pral. #
# #
#####
```

PK	D.Disp	D.Nece	i	Radio	Kv	f1	V.Est	V.Red	Obstáculo	Dist.Eje	PKObstáculo
0.0	180.5	180.5	-0.500%	1194.0	0.000	0.320	100.0				
20.0	180.2	180.2	-0.412%	1194.0	16000.000	0.320	100.0				
40.0	179.7	179.7	-0.287%	1194.0	16000.000	0.320	100.0				
60.0	179.2	179.2	-0.162%	1194.0	16000.000	0.320	100.0				
80.0	178.7	178.7	-0.037%	1194.0	16000.000	0.320	100.0				
100.0	178.2	178.2	0.088%	1194.0	16000.000	0.320	100.0				
120.0	177.8	177.8	0.213%	1194.0	16000.000	0.320	100.0				
140.0	177.3	177.3	0.338%	1194.0	16000.000	0.320	100.0				
160.0	176.8	176.8	0.463%	1194.0	16000.000	0.320	100.0				
180.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
200.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
220.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
240.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
260.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
280.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
300.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
320.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
340.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
360.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
380.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
400.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
420.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
440.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
460.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
480.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
500.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
520.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
540.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
560.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
580.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
600.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
620.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
640.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
660.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
680.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
700.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
720.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
740.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
760.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
780.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
800.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
820.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
840.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
860.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
880.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
900.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
920.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
940.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
960.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				

980.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
1000.0	176.7	176.7	0.500%	1194.0	0.000	0.320	100.0				
1020.0	176.7	176.7	0.500%	1234.2	0.000	0.320	100.0				
1040.0	176.7	176.7	0.500%	1461.7	0.000	0.320	100.0				
1060.0	176.7	176.7	0.500%	1791.5	0.000	0.320	100.0				
1080.0	176.7	176.7	0.500%	2312.4	0.000	0.320	100.0				
1100.0	176.7	176.7	0.500%	3258.5	0.000	0.320	100.0				
1120.0	176.7	176.7	0.500%	5508.9	0.000	0.320	100.0				
1140.0	176.7	176.7	0.500%	17747.8	0.000	0.320	100.0				
1160.0	176.7	176.7	0.500%	-20110.0	0.000	0.320	100.0				
1180.0	176.2	176.2	0.638%	-7134.6	7000.000	0.320	100.0				
1200.0	175.1	175.1	0.924%	-4338.4	7000.000	0.320	100.0				
1220.0	174.1	174.1	1.210%	-3117.8	7000.000	0.320	100.0				
1240.0	173.1	173.1	1.495%	-2433.8	7000.000	0.320	100.0				
1260.0	172.1	172.1	1.781%	-1996.3	7000.000	0.320	100.0				
1280.0	171.1	171.1	2.067%	-1692.4	7000.000	0.320	100.0				
1300.0	170.2	170.2	2.353%	-1469.0	7000.000	0.320	100.0				
1320.0	169.2	169.2	2.638%	-1406.0	7000.000	0.320	100.0				
1340.0	168.3	168.3	2.924%	-1406.0	7000.000	0.320	100.0				
1360.0	168.0	168.0	3.000%	-1406.0	0.000	0.320	100.0				
1380.0	168.0	168.0	3.000%	-1406.0	0.000	0.320	100.0				
1400.0	168.0	168.0	3.000%	-1406.0	0.000	0.320	100.0				
1420.0	168.0	168.0	3.000%	-1406.0	0.000	0.320	100.0				
1440.0	168.0	168.0	3.000%	-1406.0	0.000	0.320	100.0				
1460.0	168.3	168.3	2.932%	-1406.0	-15300.000	0.320	100.0				
1480.0	168.7	168.7	2.801%	-1406.0	-15300.000	0.320	100.0				
1500.0	169.1	169.1	2.670%	-1406.0	-15300.000	0.320	100.0				
1520.0	169.5	169.5	2.540%	-1406.0	-15300.000	0.320	100.0				
1540.0	170.0	170.0	2.409%	-1406.0	-15300.000	0.320	100.0				
1560.0	170.4	170.4	2.278%	-1406.0	-15300.000	0.320	100.0				
1580.0	170.9	170.9	2.147%	-1406.0	-15300.000	0.320	100.0				
1600.0	171.3	171.3	2.017%	-1406.0	-15300.000	0.320	100.0				
1620.0	171.7	171.7	1.886%	-1406.0	-15300.000	0.320	100.0				
1640.0	172.2	172.2	1.755%	-1406.0	-15300.000	0.320	100.0				
1660.0	172.6	172.6	1.625%	-1406.0	-15300.000	0.320	100.0				
1680.0	173.1	173.1	1.494%	-1406.0	-15300.000	0.320	100.0				
1700.0	173.6	173.6	1.363%	-1406.0	-15300.000	0.320	100.0				
1720.0	174.0	174.0	1.232%	-1406.0	-15300.000	0.320	100.0				

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



3040.0	168.0	168.0	3.000%	-5076.3	0.000	0.320	100.0	5100.0	175.6	175.6	0.785%	-6006.0	20000.000	0.320	100.0	7160.0	178.2	178.2	0.113%	894.0	-15300.000	0.320	100.0
3060.0	168.0	168.0	3.000%	-9379.1	0.000	0.320	100.0	5120.0	175.3	175.3	0.885%	-6006.0	20000.000	0.320	100.0	7180.0	178.7	178.7	-0.017%	894.0	-15300.000	0.320	100.0
3080.0	168.0	168.0	3.000%	-61925.7	0.000	0.320	100.0	5140.0	174.9	174.9	0.985%	-6006.0	20000.000	0.320	100.0	7200.0	179.2	179.2	-0.148%	894.0	-15300.000	0.320	100.0
3100.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5160.0	174.6	174.6	1.085%	-6006.0	20000.000	0.320	100.0	7220.0	179.7	179.7	-0.279%	894.0	-15300.000	0.320	100.0
3120.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5180.0	174.2	174.2	1.185%	-6006.0	20000.000	0.320	100.0	7240.0	180.2	180.2	-0.409%	993.2	-15300.000	0.320	100.0
3140.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5200.0	173.8	173.8	1.285%	-6006.0	20000.000	0.320	100.0	7260.0	180.7	180.7	-0.540%	1255.6	-15300.000	0.320	100.0
3160.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5220.0	173.5	173.5	1.385%	-6006.0	20000.000	0.320	100.0	7280.0	181.2	181.2	-0.671%	1704.7	-15300.000	0.320	100.0
3180.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5240.0	173.1	173.1	1.485%	-6006.0	20000.000	0.320	100.0	7300.0	181.7	181.7	-0.802%	2650.5	-15300.000	0.320	100.0
3200.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5260.0	172.8	172.8	1.585%	-6006.0	20000.000	0.320	100.0	7320.0	182.3	182.3	-0.932%	5934.9	-15300.000	0.320	100.0
3220.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5280.0	172.4	172.4	1.685%	-6006.0	20000.000	0.320	100.0	7340.0	182.8	182.8	-1.063%	-25137.1	-15300.000	0.320	100.0
3240.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5300.0	172.1	172.1	1.785%	-6006.0	20000.000	0.320	100.0	7360.0	183.4	183.4	-1.194%	-4039.8	-15300.000	0.320	100.0
3260.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5320.0	171.7	171.7	1.885%	-6006.0	20000.000	0.320	100.0	7380.0	183.9	183.9	-1.324%	-2198.9	-15300.000	0.320	100.0
3280.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5340.0	171.4	171.4	1.985%	-6006.0	20000.000	0.320	100.0	7400.0	184.4	184.4	-1.455%	-1511.7	-15300.000	0.320	100.0
3300.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5360.0	171.1	171.1	2.085%	-6006.0	20000.000	0.320	100.0	7420.0	184.6	184.6	-1.500%	-1152.5	0.000	0.320	100.0
3320.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5380.0	170.7	170.7	2.185%	-6006.0	20000.000	0.320	100.0	7440.0	184.6	184.6	-1.500%	-931.6	0.000	0.320	100.0
3340.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5400.0	170.4	170.4	2.285%	-6006.0	20000.000	0.320	100.0	7460.0	184.6	184.6	-1.500%	-906.0	0.000	0.320	100.0
3360.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5420.0	170.1	170.1	2.385%	-6006.0	20000.000	0.320	100.0	7480.0	184.6	184.6	-1.500%	-906.0	0.000	0.320	100.0
3380.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5440.0	169.7	169.7	2.485%	-6006.0	20000.000	0.320	100.0	7500.0	184.6	184.6	-1.500%	-906.0	0.000	0.320	100.0
3400.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5460.0	169.7	169.7	2.500%	-6006.0	0.000	0.320	100.0	7520.0	184.6	184.6	-1.500%	-906.0	0.000	0.320	100.0
3420.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5480.0	169.7	169.7	2.500%	-6006.0	0.000	0.320	100.0	7540.0	184.6	184.6	-1.500%	-906.0	0.000	0.320	100.0
3440.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5500.0	169.7	169.7	2.500%	-6006.0	0.000	0.320	100.0	7560.0	184.3	184.3	-1.421%	-906.0	7200.000	0.320	100.0
3460.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5520.0	169.7	169.7	2.500%	-6006.0	0.000	0.320	100.0	7580.0	183.1	183.1	-1.143%	-906.0	7200.000	0.320	100.0
3480.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5540.0	170.6	170.6	2.234%	-6006.0	-7200.000	0.320	100.0	7600.0	182.0	182.0	-0.866%	-906.0	7200.000	0.320	100.0
3500.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5560.0	171.5	171.5	1.957%	-6006.0	-7200.000	0.320	100.0	7620.0	180.9	180.9	-0.588%	-906.0	7200.000	0.320	100.0
3520.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5580.0	172.5	172.5	1.679%	-6006.0	-7200.000	0.320	100.0	7640.0	179.8	179.8	-0.310%	-906.0	7200.000	0.320	100.0
3540.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5600.0	173.4	173.4	1.401%	-6006.0	-7200.000	0.320	100.0	7660.0	178.7	178.7	-0.032%	-906.0	7200.000	0.320	100.0
3560.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5620.0	174.4	174.4	1.123%	-6006.0	-7200.000	0.320	100.0	7680.0	177.7	177.7	0.246%	-906.0	7200.000	0.320	100.0
3580.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5640.0	175.4	175.4	0.846%	-6006.0	-7200.000	0.320	100.0	7700.0	176.6	176.6	0.523%	-906.0	7200.000	0.320	100.0
3600.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5660.0	176.4	176.4	0.568%	-6006.0	-7200.000	0.320	100.0	7720.0	175.6	175.6	0.801%	-906.0	7200.000	0.320	100.0
3620.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5680.0	177.5	177.5	0.290%	-6006.0	-7200.000	0.320	100.0	7740.0	174.9	174.9	1.000%	-906.0	0.000	0.320	100.0
3640.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5700.0	178.5	178.5	0.012%	-6006.0	-7200.000	0.320	100.0	7760.0	174.9	174.9	1.000%	-906.0	0.000	0.320	100.0
3660.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5720.0	179.6	179.6	-0.266%	-6006.0	-7200.000	0.320	100.0	7780.0	174.9	174.9	1.000%	-906.0	0.000	0.320	100.0
3680.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5740.0	180.7	180.7	-0.543%	-6006.0	-7200.000	0.320	100.0	7800.0	174.9	174.9	1.000%	-906.0	0.000	0.320	100.0
3700.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5760.0	181.8	181.8	-0.821%	-6006.0	-7200.000	0.320	100.0	7820.0	174.9	174.9	1.000%	-906.0	0.000	0.320	100.0
3720.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5780.0	182.6	182.6	-1.000%	-6006.0	0.000	0.320	100.0	7840.0	174.9	174.9	1.000%	-906.0	0.000	0.320	100.0
3740.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5800.0	182.6	182.6	-1.000%	-6006.0	0.000	0.320	100.0	7860.0	174.9	174.9	1.000%	-906.0	0.000	0.320	100.0
3760.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5820.0	182.6	182.6	-1.000%	-6006.0	0.000	0.320	100.0	7880.0	174.9	174.9	1.000%	-906.0	0.000	0.320	100.0
3780.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5840.0	182.6	182.6	-1.000%	-6006.0	0.000	0.320	100.0	7900.0	174.9	174.9	1.000%	-906.0	0.000	0.320	100.0
3800.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5860.0	182.6	182.6	-1.000%	-6006.0	0.000	0.320	100.0	7920.0	174.9	174.9	1.000%	-906.0	0.000	0.320	100.0
3820.0	168.0	168.0	3.000%	0.0	0.000	0.320	100.0	5880.0	182.6	182.6	-1.000%	-6006.0	0.000	0.320	100.0	7940.0	174.9	174.9	1.000%	-906.0	0.000	0.320	100.0
3840.0	168.2	168.2	2.958%	0.0	-7300.000	0.320	100.0	5900.0	182.6	182.6	-1.000%	-6006.0	0.000	0.320	100.0	7960.0	174.9	174.9	1.000%	-906.0	0.000	0.320	100.0
3860.0	169.1	169.1	2.684%	0.0	-7300.000	0.320	100.0	5920.0	182.6	182.6	-1.000%	-6006.0	0.000	0.320	100.0	7980.0	174.9	174.9	1.000%	-906.0	0.000	0.320	100.0
3880.0	170.0	170.0	2.410%	0.0	-7300.000	0.320	100.0	5940.0	182.6	182.6	-1.000%	-6006.0	0.000	0.320	100.0	8000.0	174.9	174.9	1.000%	-906.0	0.000	0.320	100.0
3900.0	170.9	170.9	2.136%	0.0	-7300.000	0.320	100.0	5960.0	182.6	182.6	-1.000%	-6006.0	0.000	0.320	100.0	8020.0	174.9	174.9	1.000%	-906.0	0.000	0.320	100.0
3920.0	171.8	171.8	1.862%	0.0	-7300.000	0.320	100.0	5980.0	182.6	182.6	-1.000%	-6006.0	0.000	0.320	100.0	8040.0	174.9	174.9	1.000%	-906.0	0.000	0.320	100.0
3940.0	172.8	172.8	1.588%	0.0	-7300.000	0.320	100.0	6000.0	182.6	182.6	-1.000%	-6006.0	0.000	0.320	100.0	8060.0	174.9	174.9	1.000%	-906.0	0.000	0.320	100.0
3960.0	173.7	173.7	1.314%	0.0	-7300.000	0.320	100.0	6020.0	182.6	182.6	-1.000%	-6006.0	0.000	0.320	100.0	8080.0	174.9	174.9	1.000%	-906.0	0.000	0.320	100.0
3980.0	174.7	174.7	1.040%	0.0	-7300.000	0.320	100.0</																

9220.0	181.7	181.7	-0.800%	894.0	0.000	0.320	100.0
9240.0	182.2	182.2	-0.902%	894.0	-15300.000	0.320	100.0
9260.0	182.7	182.7	-1.033%	894.0	-15300.000	0.320	100.0
9280.0	183.2	183.2	-1.164%	894.0	-15300.000	0.320	100.0
9300.0	183.8	183.8	-1.294%	894.0	-15300.000	0.320	100.0
9320.0	184.3	184.3	-1.425%	894.0	-15300.000	0.320	100.0
9340.0	184.9	184.9	-1.556%	894.0	-15300.000	0.320	100.0
9360.0	185.4	185.4	-1.687%	894.0	-15300.000	0.320	100.0
9380.0	186.0	186.0	-1.817%	894.0	-15300.000	0.320	100.0
9400.0	186.6	186.6	-1.948%	894.0	-15300.000	0.320	100.0
9420.0	187.1	187.1	-2.079%	894.0	-15300.000	0.320	100.0
9440.0	187.7	187.7	-2.210%	894.0	-15300.000	0.320	100.0
9460.0	188.3	188.3	-2.340%	894.0	-15300.000	0.320	100.0
9480.0	188.9	188.9	-2.471%	894.0	-15300.000	0.320	100.0
9500.0	189.5	189.5	-2.602%	894.0	-15300.000	0.320	100.0
9520.0	190.1	190.1	-2.732%	894.0	-15300.000	0.320	100.0
9540.0	190.7	190.7	-2.863%	894.0	-15300.000	0.320	100.0
9560.0	191.3	191.3	-2.994%	894.0	-15300.000	0.320	100.0
9580.0	191.3	191.3	-3.000%	894.0	0.000	0.320	100.0
9600.0	191.3	191.3	-3.000%	894.0	0.000	0.320	100.0
9620.0	191.3	191.3	-3.000%	894.0	0.000	0.320	100.0
9640.0	191.3	191.3	-3.000%	894.0	0.000	0.320	100.0
9660.0	191.3	191.3	-3.000%	894.0	0.000	0.320	100.0
9680.0	191.3	191.3	-3.000%	894.0	0.000	0.320	100.0
9700.0	191.3	191.3	-3.000%	894.0	0.000	0.320	100.0
9720.0	191.3	191.3	-3.000%	894.0	0.000	0.320	100.0
9740.0	191.3	191.3	-3.000%	937.1	0.000	0.320	100.0
9760.0	191.3	191.3	-3.000%	1167.4	0.000	0.320	100.0
9780.0	191.3	191.3	-3.000%	1546.5	0.000	0.320	100.0
9800.0	191.3	191.3	-3.000%	2287.5	0.000	0.320	100.0
9820.0	191.3	191.3	-3.000%	4382.0	0.000	0.320	100.0
9840.0	191.3	191.3	-3.000%	50559.2	0.000	0.320	100.0
9860.0	191.3	191.3	-3.000%	-13818.5	0.000	0.320	100.0
9880.0	191.3	191.3	-3.000%	-6567.8	0.000	0.320	100.0
9900.0	191.3	191.3	-3.000%	-4309.0	0.000	0.320	100.0
9920.0	191.3	191.3	-3.000%	-3207.0	0.000	0.320	100.0
9940.0	191.3	191.3	-3.000%	-2554.4	0.000	0.320	100.0
9960.0	191.3	191.3	-3.000%	-2122.9	0.000	0.320	100.0
9980.0	191.3	191.3	-3.000%	-1816.3	0.000	0.320	100.0
10000.0	191.3	191.3	-3.000%	-1587.3	0.000	0.320	100.0
10020.0	191.3	191.3	-3.000%	-1506.0	0.000	0.320	100.0
10040.0	191.3	191.3	-3.000%	-1506.0	0.000	0.320	100.0
10060.0	191.3	191.3	-3.000%	-1506.0	0.000	0.320	100.0
10080.0	191.3	191.3	-3.000%	-1506.0	0.000	0.320	100.0
10100.0	191.3	191.3	-3.000%	-1506.0	0.000	0.320	100.0
10120.0	191.3	191.3	-3.000%	-1506.0	0.000	0.320	100.0
10140.0	191.3	191.3	-3.000%	-1506.0	0.000	0.320	100.0
10160.0	191.3	191.3	-3.000%	-1506.0	0.000	0.320	100.0
10180.0	191.3	191.3	-3.000%	-1506.0	0.000	0.320	100.0
10200.0	191.3	191.3	-3.000%	-1506.0	0.000	0.320	100.0
10220.0	191.3	191.3	-3.000%	-1506.0	0.000	0.320	100.0
10240.0	191.3	191.3	-3.000%	-1506.0	0.000	0.320	100.0
10260.0	191.3	191.3	-3.000%	-1506.0	0.000	0.320	100.0
10280.0	191.3	191.3	-3.000%	-1506.0	0.000	0.320	100.0
10300.0	191.3	191.3	-3.000%	-1506.0	0.000	0.320	100.0
10320.0	191.3	191.3	-3.000%	-1506.0	0.000	0.320	100.0
10340.0	191.3	191.3	-3.000%	-1506.0	0.000	0.320	100.0
10360.0	191.3	191.3	-3.000%	-1506.0	0.000	0.320	100.0
10380.0	191.3	191.3	-3.000%	-1506.0	0.000	0.320	100.0
10400.0	191.3	191.3	-3.000%	-1506.0	0.000	0.320	100.0
10420.0	191.3	191.3	-3.000%	-1506.0	0.000	0.320	100.0
10440.0	191.3	191.3	-3.000%	-1506.0	0.000	0.320	100.0
10460.0	191.3	191.3	-3.000%	-1506.0	0.000	0.320	100.0
10480.0	191.5	191.5	-3.047%	-1506.0	-15300.000	0.320	100.0
10500.0	192.2	192.2	-3.178%	-1506.0	-15300.000	0.320	100.0
10520.0	192.8	192.8	-3.308%	-1506.0	-15300.000	0.320	100.0
10540.0	193.4	193.4	-3.439%	-1506.0	-15300.000	0.320	100.0
10560.0	194.0	194.0	-3.570%	-1506.0	-15300.000	0.320	100.0
10580.0	194.7	194.7	-3.701%	-1506.0	-15300.000	0.320	100.0
10600.0	195.3	195.3	-3.831%	-1506.0	-15300.000	0.320	100.0
10620.0	196.0	196.0	-3.962%	-1506.0	-15300.000	0.320	100.0
10640.0	196.2	196.2	-4.000%	-1506.0	0.000	0.320	100.0
10660.0	196.2	196.2	-4.000%	-1506.0	0.000	0.320	100.0
10680.0	196.2	196.2	-4.000%	-1594.5	0.000	0.320	100.0
10700.0	196.2	196.2	-4.000%	-1825.7	0.000	0.320	100.0
10720.0	196.2	196.2	-4.000%	-2135.8	0.000	0.320	100.0
10740.0	196.2	196.2	-4.000%	-2573.2	0.000	0.320	100.0
10760.0	195.6	195.6	-3.881%	-3236.7	15300.000	0.320	100.0
10780.0	194.9	194.9	-3.750%	-4362.6	15300.000	0.320	100.0
10800.0	194.3	194.3	-3.619%	-6693.4	15300.000	0.320	100.0
10820.0	193.6	193.6	-3.489%	-14387.4	15300.000	0.320	100.0
10840.0	193.0	193.0	-3.358%	0.0	15300.000	0.320	100.0
10860.0	192.4	192.4	-3.227%	0.0	15300.000	0.320	100.0
10880.0	191.8	191.8	-3.097%	0.0	15300.000	0.320	100.0
10900.0	191.2	191.2	-2.966%	0.0	15300.000	0.320	100.0
10920.0	190.5	190.5	-2.835%	0.0	15300.000	0.320	100.0
10940.0	189.9	189.9	-2.704%	0.0	15300.000	0.320	100.0
10960.0	189.3	189.3	-2.574%	0.0	15300.000	0.320	100.0
10980.0	188.8	188.8	-2.443%	0.0	15300.000	0.320	100.0
11000.0	188.2	188.2	-2.312%	0.0	15300.000	0.320	100.0
11020.0	187.6	187.6	-2.181%	0.0	15300.000	0.320	100.0
11040.0	187.0	187.0	-2.051%	0.0	15300.000	0.320	100.0
11060.0	186.4	186.4	-1.920%	0.0	15300.000	0.320	100.0
11080.0	185.9	185.9	-1.789%	0.0	15300.000	0.320	100.0
11100.0	185.3	185.3	-1.659%	0.0	15300.000	0.320	100.0
11120.0	184.8	184.8	-1.528%	0.0	15300.000	0.320	100.0
11140.0	184.2	184.2	-1.397%	0.0	15300.000	0.320	100.0
11160.0	183.7	183.7	-1.266%	0.0	15300.000	0.320	100.0
11180.0	183.1	183.1	-1.136%	0.0	15300.000	0.320	100.0
11200.0	182.6	182.6	-1.005%	0.0	15300.000	0.320	100.0
11220.0	182.0	182.0	-0.874%	0.0	15300.000	0.320	100.0
11240.0	181.5	181.5	-0.744%	0.0	15300.000	0.320	100.0
11260.0	181.0	181.0	-0.613%	0.0	15300.000	0.320	100.0

11280.0	180.5	180.5	-0.482%	0.0	15300.000	0.320	100.0
11300.0	180.0	180.0	-0.351%	0.0	15300.000	0.320	100.0
11320.0	179.4	179.4	-0.221%	0.0	15300.000	0.320	100.0
11340.0	178.9	178.9	-0.090%	0.0	15300.000	0.320	100.0
11360.0	178.4	178.4	0.041%	0.0	15300.000	0.320	100.0
11380.0	177.9	177.9	0.171%	0.0	15300.000	0.320	100.0
11400.0	177.4	177.4	0.302%	0.0	15300.000	0.320	100.0
11420.0	176.9	176.9	0.433%	0.0	15300.000	0.320	100.0
11440.0	176.5	176.5	0.564%	0.0	15300.000	0.320	100.0
11460.0	176.0	176.0	0.694%	0.0	15300.000	0.320	100.0
11480.0	175.5	175.5	0.825%	0.0	15300.000	0.320	100.0
11500.0	175.0	175.0	0.956%	0.0	15300.000	0.320	100.0
11520.0	174.5	174.5	1.086%	0.0	15300.000	0.320	100.0
11540.0	174.1	174.1	1.217%	0.0	15300.000	0.320	100.0
11560.0	173.6	173.6	1.348%	0.0	15300.000	0.320	100.0
11580.0	173.2	173.2	1.479%	0.0	15300.000	0.320	100.0
11600.0	172.7	172.7	1.609%	0.0	15300.000	0.320	100.0
11620.0	172.2	172.2	1.740%	0.0	15300.000	0.320	100.0
11640.0	171.8	171.8	1.871%	0.0	15300.000	0.320	100.0
11660.0	171.3	171.3	2.000%	0.0	0.000	0.320	100.0
11680.0	171.3	171.3	2.000%	0.0	0.000	0.320	100.0
11700.0	171.3	171.3	2.000%	0.0	0.000	0.320	100.0
11720.0	171.3	171.3	2.000%	0.0	0.000	0.320	100.0

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#####
# ESTUDIO DE VISIBILIDAD
#####
# Estudio de Visibilidad de Parada a lo largo de un eje o
# un tramo de eje.
#
# ISTRAM(R) V. 9.28 2168
#####
# Tabla de diseño de alzado (.dia): GRUPO-1.dia
# La distancia de parada = (V * Tp/3.6) + (V*V / (254*(F1 + i)))
#
# Eje: 5 en sentido: Inverso
# Estudio a velocidad fija de 100.0 Km/h
# Eje desde PK: 0.000 hasta PK: 11741.162
# Estudio desde PK: 0.000 hasta PK: 11741.162
#
# Saltos del observador para estudio cada: 20.00 m
# Se supone la visibilidad en los primeros: 60.00 m
# A partir de ahí se estudia la visibilidad cada: 20.00 m
#
# Angulo Focos-rasante, en grados: 1.00
# Angulo de tolerancia horizontal, en grados: 45.00
#
# El ángulo horizontal mide la desviación de la visual entre observador y
# referencia con respecto a la tangente a la trayectoria en el pk de
# estudio.
# El ángulo Focos-rasante mide la desviación de la visual entre observador y
# referencia con respecto a la línea de máxima iluminación de los focos
# del vehículo.
#
# El estudio se hace entre el punto de vista del observador y el punto de la
# referencia configurados.
#
# Trayectoria configurada del observador:
# Superficie: 67
# Lado: Derecho
# Código: 1
# Distancia al código: 2.0 m hacia el exterior
# Altura: 1.10 m desde Calzada Pral.
#
# Trayectoria configurada de la referencia:
# Superficie: 67
# Lado: Derecho
# Código: 1
# Distancia al código: 0.0 m hacia el exterior
# Altura: 0.20 m desde Calzada Pral.
#####

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PK	D.Disp	D.Nece	i	Radio</
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Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



10761.2	165.3	165.3	3.873%	-3273.9	15300.000	0.320	100.0	8701.2	166.5	166.5	3.500%	-894.0	0.000	0.320	100.0	6641.2	176.8	176.8	0.468%	1533.2	7000.000	0.320	100.0
10741.2	164.9	164.9	4.000%	-2592.2	0.000	0.320	100.0	8681.2	166.6	166.6	3.440%	-894.0	-7200.000	0.320	100.0	6621.2	175.8	175.8	0.754%	2244.7	7000.000	0.320	100.0
10721.2	164.9	164.9	4.000%	-2145.1	0.000	0.320	100.0	8661.2	167.5	167.5	3.162%	-894.0	-7200.000	0.320	100.0	6601.2	174.9	174.9	1.000%	4197.6	0.000	0.320	100.0
10701.2	164.9	164.9	4.000%	-1829.2	0.000	0.320	100.0	8641.2	168.4	168.4	2.885%	-894.0	-7200.000	0.320	100.0	6581.2	174.9	174.9	1.000%	32841.2	0.000	0.320	100.0
10681.2	164.9	164.9	4.000%	-1594.3	0.000	0.320	100.0	8621.2	169.3	169.3	2.607%	-894.0	-7200.000	0.320	100.0	6561.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
10661.2	164.9	164.9	4.000%	-1494.0	0.000	0.320	100.0	8601.2	170.2	170.2	2.329%	-894.0	-7200.000	0.320	100.0	6541.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
10641.2	164.9	164.9	4.000%	-1494.0	0.000	0.320	100.0	8581.2	171.2	171.2	2.051%	-894.0	-7200.000	0.320	100.0	6521.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
10621.2	165.0	165.0	3.970%	-1494.0	-15300.000	0.320	100.0	8561.2	172.1	172.1	1.774%	-894.0	-7200.000	0.320	100.0	6501.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
10601.2	165.4	165.4	3.839%	-1494.0	-15300.000	0.320	100.0	8541.2	173.1	173.1	1.496%	-894.0	-7200.000	0.320	100.0	6481.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
10581.2	165.8	165.8	3.708%	-1494.0	-15300.000	0.320	100.0	8521.2	174.1	174.1	1.218%	-894.0	-7200.000	0.320	100.0	6461.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
10561.2	166.2	166.2	3.577%	-1494.0	-15300.000	0.320	100.0	8501.2	175.1	175.1	0.940%	-894.0	-7200.000	0.320	100.0	6441.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
10541.2	166.6	166.6	3.447%	-1494.0	-15300.000	0.320	100.0	8481.2	176.1	176.1	0.662%	-894.0	-7200.000	0.320	100.0	6421.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
10521.2	167.0	167.0	3.316%	-1494.0	-15300.000	0.320	100.0	8461.2	177.1	177.1	0.385%	-894.0	-7200.000	0.320	100.0	6401.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
10501.2	167.4	167.4	3.185%	-1494.0	-15300.000	0.320	100.0	8441.2	178.2	178.2	0.107%	-894.0	-7200.000	0.320	100.0	6381.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
10481.2	167.9	167.9	3.055%	-1494.0	-15300.000	0.320	100.0	8421.2	179.2	179.2	-0.171%	-894.0	-7200.000	0.320	100.0	6361.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
10461.2	168.0	168.0	3.000%	-1494.0	0.000	0.320	100.0	8401.2	180.3	180.3	-0.449%	-894.0	-7200.000	0.320	100.0	6341.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
10441.2	168.0	168.0	3.000%	-1494.0	0.000	0.320	100.0	8381.2	181.4	181.4	-0.726%	-894.0	-7200.000	0.320	100.0	6321.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
10421.2	168.0	168.0	3.000%	-1494.0	0.000	0.320	100.0	8361.2	182.6	182.6	-1.000%	-894.0	0.000	0.320	100.0	6301.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
10401.2	168.0	168.0	3.000%	-1494.0	0.000	0.320	100.0	8341.2	182.6	182.6	-1.000%	-894.0	0.000	0.320	100.0	6281.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
10381.2	168.0	168.0	3.000%	-1494.0	0.000	0.320	100.0	8321.2	182.6	182.6	-1.000%	-894.0	0.000	0.320	100.0	6261.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
10361.2	168.0	168.0	3.000%	-1494.0	0.000	0.320	100.0	8301.2	182.6	182.6	-1.000%	-894.0	0.000	0.320	100.0	6241.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
10341.2	168.0	168.0	3.000%	-1494.0	0.000	0.320	100.0	8281.2	182.6	182.6	-1.000%	-894.0	0.000	0.320	100.0	6221.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
10321.2	168.0	168.0	3.000%	-1494.0	0.000	0.320	100.0	8261.2	182.6	182.6	-1.000%	-894.0	0.000	0.320	100.0	6201.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
10301.2	168.0	168.0	3.000%	-1494.0	0.000	0.320	100.0	8241.2	182.6	182.6	-1.000%	-894.0	0.000	0.320	100.0	6181.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
10281.2	168.0	168.0	3.000%	-1494.0	0.000	0.320	100.0	8221.2	182.6	182.6	-1.000%	-894.0	0.000	0.320	100.0	6161.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
10261.2	168.0	168.0	3.000%	-1494.0	0.000	0.320	100.0	8201.2	182.6	182.6	-1.000%	-894.0	0.000	0.320	100.0	6141.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
10241.2	168.0	168.0	3.000%	-1494.0	0.000	0.320	100.0	8181.2	182.6	182.6	-1.000%	-894.0	0.000	0.320	100.0	6121.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
10221.2	168.0	168.0	3.000%	-1494.0	0.000	0.320	100.0	8161.2	182.6	182.6	-1.000%	-894.0	0.000	0.320	100.0	6101.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
10201.2	168.0	168.0	3.000%	-1494.0	0.000	0.320	100.0	8141.2	182.6	182.6	-1.000%	-894.0	0.000	0.320	100.0	6081.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
10181.2	168.0	168.0	3.000%	-1494.0	0.000	0.320	100.0	8121.2	182.6	182.6	-1.000%	-894.0	0.000	0.320	100.0	6061.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
10161.2	168.0	168.0	3.000%	-1494.0	0.000	0.320	100.0	8101.2	182.6	182.6	-1.000%	-894.0	0.000	0.320	100.0	6041.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
10141.2	168.0	168.0	3.000%	-1494.0	0.000	0.320	100.0	8081.2	182.6	182.6	-1.000%	-894.0	0.000	0.320	100.0	6021.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
10121.2	168.0	168.0	3.000%	-1494.0	0.000	0.320	100.0	8061.2	182.6	182.6	-1.000%	-894.0	0.000	0.320	100.0	6001.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
10101.2	168.0	168.0	3.000%	-1494.0	0.000	0.320	100.0	8041.2	182.6	182.6	-1.000%	-894.0	0.000	0.320	100.0	5981.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
10081.2	168.0	168.0	3.000%	-1494.0	0.000	0.320	100.0	8021.2	182.6	182.6	-1.000%	-894.0	0.000	0.320	100.0	5961.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
10061.2	168.0	168.0	3.000%	-1494.0	0.000	0.320	100.0	8001.2	182.6	182.6	-1.000%	-894.0	0.000	0.320	100.0	5941.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
10041.2	168.0	168.0	3.000%	-1494.0	0.000	0.320	100.0	7981.2	182.6	182.6	-1.000%	-894.0	0.000	0.320	100.0	5921.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
10021.2	168.0	168.0	3.000%	-1494.0	0.000	0.320	100.0	7961.2	182.6	182.6	-1.000%	-894.0	0.000	0.320	100.0	5901.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
10001.2	168.0	168.0	3.000%	-1563.7	0.000	0.320	100.0	7941.2	182.6	182.6	-1.000%	-894.0	0.000	0.320	100.0	5881.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
9981.2	168.0	168.0	3.000%	-1789.2	0.000	0.320	100.0	7921.2	182.6	182.6	-1.000%	-894.0	0.000	0.320	100.0	5861.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
9961.2	168.0	168.0	3.000%	-2090.2	0.000	0.320	100.0	7901.2	182.6	182.6	-1.000%	-894.0	0.000	0.320	100.0	5841.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
9941.2	168.0	168.0	3.000%	-2512.6	0.000	0.320	100.0	7881.2	182.6	182.6	-1.000%	-894.0	0.000	0.320	100.0	5821.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
9921.2	168.0	168.0	3.000%	-3148.1	0.000	0.320	100.0	7861.2	182.6	182.6	-1.000%	-894.0	0.000	0.320	100.0	5801.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
9901.2	168.0	168.0	3.000%	-4212.6	0.000	0.320	100.0	7841.2	182.6	182.6	-1.000%	-894.0	0.000	0.320	100.0	5781.2	174.9	174.9	1.000%	-5994.0	0.000	0.320	100.0
9881.2	168.0	168.0	3.000%	-6361.6	0.000	0.320	100.0	7821.2	182.6	182.6	-1.000%	-894.0	0.000	0.320	100.0	5761.2	174.9	174.9	1.000%	-5994.0	-7200.000	0.320	100.0
9861.2	168.0	168.0	3.000%	-12973.5	0.000	0.320	100.0	7801.2	182.6	182.6	-1.000%	-894.0	0.000	0.320	100.0	5741.2	175.5	176.5	0.837%	-5994.0	-7200.000	0.320	100.0
9841.2	168.0	168.0	3.000%	100006.0	0.000	0.320	100.0	7781.2	182.6	182.6	-1.000%	-894.0	0.000	0.320	100.0	5721.2	177.5	177.5	0.282%	-5994.0	-7200.000	0.320	100.0
9821.2	168.0	16																					


```
#####
# ESTUDIO DE VISIBILIDAD
#####
# Estudio de Visibilidad de Parada a lo largo de un eje o
# un tramo de eje.
#####
# ISTRAM(R) V. 9.28 2168 #
#####
# Tabla de diseño de alzado (.dia): Valores por defecto
# La distancia de parada = ( V * Tp/3.6 ) + ( V^2 / ( 254*(F1 + i) ) )
#
# Eje: 10 en sentido: Normal
# Estudio a velocidad fija de 100.0 Km/h
# Eje desde PK: 0.000 hasta PK: 2248.101
# Estudio desde PK: 0.000 hasta PK: 2248.101
#
# Saltos del observador para estudio cada: 20.00 m
# Se supone la visibilidad en los primeros: 60.00 m
# A partir de ahí se estudia la visibilidad cada: 20.00 m
#
# Angulo Focos-rasante, en grados: 1.00
# Angulo de tolerancia horizontal, en grados: 45.00
#
# El ángulo horizontal mide la desviación de la visual entre observador y
# referencia con respecto a la tangente a la trayectoria en el pk de
# estudio.
# El ángulo Focos-rasante mide la desviación de la visual entre observador y
# referencia con respecto a la línea de máxima iluminación de los focos
# del vehículo.
#
# El estudio se hace entre el punto de vista del observador y el punto de la
# referencia configurados.
#
# Trayectoria configurada del observador:
# Superficie: 67
# Lado: Derecho
# Código: 1
# Distancia al código: 5.5 m hacia el exterior
# Altura: 1.10 m desde Calzada Pral.
#
# Trayectoria configurada de la referencia:
# Superficie: 67
# Lado: Derecho
# Código: 1
# Distancia al código: 0.0 m hacia el exterior
# Altura: 0.20 m desde Calzada Pral.
#####
```

PK	D.Disp	D.Nece	i	Radio	Kv	f1	V.Est	V.Red	Obstáculo	Dist.Eje	PKObstáculo
0.0	189.0	189.0	-2.500%	-1509.5	0.000	0.320	100.0				
20.0	189.0	189.0	-2.500%	-1509.5	0.000	0.320	100.0				
40.0	189.0	189.0	-2.500%	-1509.5	0.000	0.320	100.0				
60.0	189.0	189.0	-2.500%	-1509.5	0.000	0.320	100.0				
80.0	189.0	189.0	-2.500%	-1509.5	0.000	0.320	100.0				
100.0	189.0	189.0	-2.500%	-1509.5	0.000	0.320	100.0				
120.0	189.0	189.0	-2.500%	-1509.5	0.000	0.320	100.0				
140.0	189.0	189.0	-2.500%	-1509.5	0.000	0.320	100.0				
160.0	189.0	189.0	-2.500%	-1509.5	0.000	0.320	100.0				
180.0	189.0	189.0	-2.500%	-1509.5	0.000	0.320	100.0				
200.0	189.0	189.0	-2.500%	-1509.5	0.000	0.320	100.0				
220.0	189.0	189.0	-2.500%	-1509.5	0.000	0.320	100.0				
240.0	189.0	189.0	-2.500%	-1509.5	0.000	0.320	100.0				
260.0	189.0	189.0	-2.500%	-1509.5	0.000	0.320	100.0				
280.0	189.0	189.0	-2.500%	-1509.5	0.000	0.320	100.0				
300.0	189.0	189.0	-2.500%	-1509.5	0.000	0.320	100.0				
320.0	189.0	189.0	-2.500%	-1509.5	0.000	0.320	100.0				
340.0	189.0	189.0	-2.500%	-1509.5	0.000	0.320	100.0				
360.0	189.0	189.0	-2.500%	-1509.5	0.000	0.320	100.0				
380.0	189.0	189.0	-2.500%	-1509.5	0.000	0.320	100.0				
400.0	189.0	189.0	-2.500%	-1509.5	0.000	0.320	100.0				
420.0	188.6	188.6	-2.417%	-1509.5	15000.000	0.320	100.0				
440.0	188.0	188.0	-2.283%	-1509.5	15000.000	0.320	100.0				
460.0	187.4	187.4	-2.150%	-1509.5	15000.000	0.320	100.0				
480.0	186.9	186.9	-2.017%	-1509.5	15000.000	0.320	100.0				
500.0	186.3	186.3	-1.883%	-1509.5	15000.000	0.320	100.0				
520.0	185.7	185.7	-1.750%	-1509.5	15000.000	0.320	100.0				
540.0	185.1	185.1	-1.617%	-1509.5	15000.000	0.320	100.0				
560.0	184.6	184.6	-1.483%	-1509.5	15000.000	0.320	100.0				
580.0	184.0	184.0	-1.350%	-1509.5	15000.000	0.320	100.0				
600.0	183.5	183.5	-1.217%	-1509.5	15000.000	0.320	100.0				
620.0	182.9	182.9	-1.083%	-1509.5	15000.000	0.320	100.0				
640.0	182.4	182.4	-0.950%	-1509.5	15000.000	0.320	100.0				
660.0	181.8	181.8	-0.817%	-1509.5	15000.000	0.320	100.0				
680.0	181.3	181.3	-0.683%	-1509.5	15000.000	0.320	100.0				
700.0	180.7	180.7	-0.550%	-1509.5	15000.000	0.320	100.0				
720.0	180.5	180.5	-0.500%	-1509.5	0.000	0.320	100.0				
740.0	180.5	180.5	-0.500%	-1509.5	0.000	0.320	100.0				
760.0	180.5	180.5	-0.500%	-1509.5	0.000	0.320	100.0				
780.0	180.5	180.5	-0.500%	-1509.5	0.000	0.320	100.0				
800.0	180.5	180.5	-0.500%	-1509.5	0.000	0.320	100.0				
820.0	180.5	180.5	-0.500%	-1509.5	0.000	0.320	100.0				
840.0	180.5	180.5	-0.500%	-1509.5	0.000	0.320	100.0				
860.0	180.5	180.5	-0.500%	-1509.5	0.000	0.320	100.0				
880.0	180.5	180.5	-0.500%	-1509.5	0.000	0.320	100.0				
900.0	180.5	180.5	-0.500%	-1509.5	0.000	0.320	100.0				
920.0	180.5	180.5	-0.500%	-1509.5	0.000	0.320	100.0				
940.0	180.5	180.5	-0.500%	-1509.5	0.000	0.320	100.0				
960.0	180.5	180.5	-0.500%	-1509.5	0.000	0.320	100.0				

```
#####
# ESTUDIO DE VISIBILIDAD
#####
# Estudio de Visibilidad de Parada a lo largo de un eje o
# un tramo de eje.
#
#####
# ISTRAM(R) V. 9.28 2168 #
#####
# Tabla de diseño de alzado (.dia): Valores por defecto
# La distancia de parada = (V * Tp/3.6) + (V^3 / (254*(F1 + i)))
#
# Eje: 10 en sentido: Inverso
# Estudio a velocidad fija de 100.0 Km/h
# Eje desde PK: 0.000 hasta PK: 2248.101
# Estudio desde PK: 0.000 hasta PK: 2248.101
#
# Saltos del observador para estudio cada: 20.00 m
# Se supone la visibilidad en los primeros: 60.00 m
# A partir de ahí se estudia la visibilidad cada: 20.00 m
#
# Angulo Focos-rasante, en grados: 1.00
# Angulo de tolerancia horizontal, en grados: 45.00
#
# El ángulo horizontal mide la desviación de la visual entre observador y
# referencia con respecto a la tangente a la trayectoria en el pk de
# estudio.
# El ángulo Focos-rasante mide la desviación de la visual entre observador y
# referencia con respecto a la línea de máxima iluminación de los focos
# del vehículo.
#
# El estudio se hace entre el punto de vista del observador y el punto de la
# referencia configurados.
#
# Trayectoria configurada del observador:
# Superficie: 67
# Lado: Derecho
# Código: 1
# Distancia al código: 5.5 m hacia el exterior
# Altura: 1.10 m desde Calzada Pral.
#
# Trayectoria configurada de la referencia:
# Superficie: 67
# Lado: Derecho
# Código: 1
# Distancia al código: 0.0 m hacia el exterior
# Altura: 0.20 m desde Calzada Pral.
#####
```

PK	D.Disp	D.Nece	i	Radio	Kv	f1	V.Est	V.Red	Obstáculo	Dist.Eje	PKObstáculo
1268.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
1248.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
1228.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
1208.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
1188.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-16435.9	0.000	0.320	100.0
1168.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-7092.4	0.000	0.320	100.0
1148.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-4519.3	0.000	0.320	100.0
1128.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-3314.9	0.000	0.320	100.0
1108.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-2616.5	0.000	0.320	100.0
1088.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-2160.6	0.000	0.320	100.0
1068.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1839.6	0.000	0.320	100.0
1048.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1601.3	0.000	0.320	100.0
1028.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1490.5	0.000	0.320	100.0
1008.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1490.5	0.000	0.320	100.0
988.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1490.5	0.000	0.320	100.0
968.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1490.5	0.000	0.320	100.0
948.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1490.5	0.000	0.320	100.0
928.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1490.5	0.000	0.320	100.0
908.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1490.5	0.000	0.320	100.0
888.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1490.5	0.000	0.320	100.0
868.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1490.5	0.000	0.320	100.0
848.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1490.5	0.000	0.320	100.0
828.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1490.5	0.000	0.320	100.0
808.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1490.5	0.000	0.320	100.0
788.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1490.5	0.000	0.320	100.0
768.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1490.5	0.000	0.320	100.0
748.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1490.5	0.000	0.320	100.0
728.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1490.5	0.000	0.320	100.0
708.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1490.5	0.000	0.320	100.0
688.1	176.2	176.2	0.629%	0.0	0.000	0.320	100.0	-1490.5	15000.000	0.320	100.0
668.1	175.7	175.7	0.763%	0.0	0.000	0.320	100.0	-1490.5	15000.000	0.320	100.0
648.1	175.2	175.2	0.896%	0.0	0.000	0.320	100.0	-1490.5	15000.000	0.320	100.0
628.1	174.8	174.8	1.029%	0.0	0.000	0.320	100.0	-1490.5	15000.000	0.320	100.0
608.1	174.3	174.3	1.163%	0.0	0.000	0.320	100.0	-1490.5	15000.000	0.320	100.0
588.1	173.8	173.8	1.296%	0.0	0.000	0.320	100.0	-1490.5	15000.000	0.320	100.0
568.1	173.3	173.3	1.429%	0.0	0.000	0.320	100.0	-1490.5	15000.000	0.320	100.0
548.1	172.9	172.9	1.563%	0.0	0.000	0.320	100.0	-1490.5	15000.000	0.320	100.0
528.1	172.4	172.4	1.696%	0.0	0.000	0.320	100.0	-1490.5	15000.000	0.320	100.0
508.1	171.9	171.9	1.829%	0.0	0.000	0.320	100.0	-1490.5	15000.000	0.320	100.0
488.1	171.5	171.5	1.963%	0.0	0.000	0.320	100.0	-1490.5	15000.000	0.320	100.0
468.1	171.0	171.0	2.096%	0.0	0.000	0.320	100.0	-1490.5	15000.000	0.320	100.0
448.1	170.6	170.6	2.229%	0.0	0.000	0.320	100.0	-1490.5	15000.000	0.320	100.0
428.1	170.1	170.1	2.363%	0.0	0.000	0.320	100.0	-1490.5	15000.000	0.320	100.0
408.1	169.7	169.7	2.496%	0.0	0.000	0.320	100.0	-1490.5	15000.000	0.320	100.0
388.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1490.5	0.000	0.320	100.0
368.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1490.5	0.000	0.320	100.0
348.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1490.5	0.000	0.320	100.0
328.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1490.5	0.000	0.320	100.0
308.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1490.5	0.000	0.320	100.0
288.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1490.5	0.000	0.320	100.0
268.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1490.5	0.000	0.320	100.0
248.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1490.5	0.000	0.320	100.0
228.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1490.5	0.000	0.320	100.0
208.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1490.5	0.000	0.320	100.0
188.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1490.5	0.000	0.320	100.0
168.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1490.5	0.000	0.320	100.0
148.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1490.5	0.000	0.320	100.0
128.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1490.5	0.000	0.320	100.0
108.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1490.5	0.000	0.320	100.0
88.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1490.5	0.000	0.320	100.0
68.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1490.5	0.000	0.320	100.0
48.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1490.5	0.000	0.320	100.0
28.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1490.5	0.000	0.320	100.0

PK	D.Disp	D.Nece	i	Radio	Kv	f1	V.Est	V.Red	Obstáculo	Dist.Eje	PKObstáculo
2248.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
2228.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
2208.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
2188.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
2168.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
2148.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
2128.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
2108.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
2088.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
2068.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
2048.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
2028.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
2008.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
1988.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
1968.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
1948.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
1928.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
1908.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
1888.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
1868.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
1848.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
1828.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
1808.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
1788.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
1768.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
1748.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0				

```
#####
# ESTUDIO DE VISIBILIDAD
#####
# Estudio de Visibilidad de Parada a lo largo de un eje o
# un tramo de eje.
#####
# ISTRAM(R) V. 9.28 2168 #
#####
# Tabla de diseño de alzado (.dia): Valores por defecto
# La distancia de parada = (V * Tp/3.6) + (V^2 / (254*(F1 + i)))
#
# Eje: 10 en sentido: Normal
# Estudio a velocidad fija de 100.0 Km/h
# Eje desde PK: 0.000 hasta PK: 2248.101
# Estudio desde PK: 0.000 hasta PK: 2248.101
#
# Saltos del observador para estudio cada: 20.00 m
# Se supone la visibilidad en los primeros: 60.00 m
# A partir de ahí se estudia la visibilidad cada: 20.00 m
#
# Angulo Focos-rasante, en grados: 1.00
# Angulo de tolerancia horizontal, en grados: 45.00
#
# El ángulo horizontal mide la desviación de la visual entre observador y
# referencia con respecto a la tangente a la trayectoria en el pk de
# estudio.
# El ángulo Focos-rasante mide la desviación de la visual entre observador y
# referencia con respecto a la línea de máxima iluminación de los focos
# del vehículo.
#
# El estudio se hace entre el punto de vista del observador y el punto de la
# referencia configurados.
#
# Trayectoria configurada del observador:
# Superficie: 67
# Lado: Derecho
# Código: 1
# Distancia al código: 2.0 m hacia el exterior
# Altura: 1.10 m desde Calzada Pral.
#
# Trayectoria configurada de la referencia:
# Superficie: 67
# Lado: Derecho
# Código: 1
# Distancia al código: 0.0 m hacia el exterior
# Altura: 0.20 m desde Calzada Pral.
#####
```

PK	D.Disp	D.Nece	i	Radio	Kv	f1	V.Est	V.Red	Obstáculo	Dist.Eje	PKObstáculo
0.0	189.0	189.0	-2.500%	-1506.0	0.000	0.320	100.0				
20.0	189.0	189.0	-2.500%	-1506.0	0.000	0.320	100.0				
40.0	189.0	189.0	-2.500%	-1506.0	0.000	0.320	100.0				
60.0	189.0	189.0	-2.500%	-1506.0	0.000	0.320	100.0				
80.0	189.0	189.0	-2.500%	-1506.0	0.000	0.320	100.0				
100.0	189.0	189.0	-2.500%	-1506.0	0.000	0.320	100.0				
120.0	189.0	189.0	-2.500%	-1506.0	0.000	0.320	100.0				
140.0	189.0	189.0	-2.500%	-1506.0	0.000	0.320	100.0				
160.0	189.0	189.0	-2.500%	-1506.0	0.000	0.320	100.0				
180.0	189.0	189.0	-2.500%	-1506.0	0.000	0.320	100.0				
200.0	189.0	189.0	-2.500%	-1506.0	0.000	0.320	100.0				
220.0	189.0	189.0	-2.500%	-1506.0	0.000	0.320	100.0				
240.0	189.0	189.0	-2.500%	-1506.0	0.000	0.320	100.0				
260.0	189.0	189.0	-2.500%	-1506.0	0.000	0.320	100.0				
280.0	189.0	189.0	-2.500%	-1506.0	0.000	0.320	100.0				
300.0	189.0	189.0	-2.500%	-1506.0	0.000	0.320	100.0				
320.0	189.0	189.0	-2.500%	-1506.0	0.000	0.320	100.0				
340.0	189.0	189.0	-2.500%	-1506.0	0.000	0.320	100.0				
360.0	189.0	189.0	-2.500%	-1506.0	0.000	0.320	100.0				
380.0	189.0	189.0	-2.500%	-1506.0	0.000	0.320	100.0				
400.0	189.0	189.0	-2.500%	-1506.0	0.000	0.320	100.0				
420.0	188.6	188.6	-2.417%	-1506.0	15000.000	0.320	100.0				
440.0	188.0	188.0	-2.283%	-1506.0	15000.000	0.320	100.0				
460.0	187.4	187.4	-2.150%	-1506.0	15000.000	0.320	100.0				
480.0	186.9	186.9	-2.017%	-1506.0	15000.000	0.320	100.0				
500.0	186.3	186.3	-1.883%	-1506.0	15000.000	0.320	100.0				
520.0	185.7	185.7	-1.750%	-1506.0	15000.000	0.320	100.0				
540.0	185.1	185.1	-1.617%	-1506.0	15000.000	0.320	100.0				
560.0	184.6	184.6	-1.483%	-1506.0	15000.000	0.320	100.0				
580.0	184.0	184.0	-1.350%	-1506.0	15000.000	0.320	100.0				
600.0	183.5	183.5	-1.217%	-1506.0	15000.000	0.320	100.0				
620.0	182.9	182.9	-1.083%	-1506.0	15000.000	0.320	100.0				
640.0	182.4	182.4	-0.950%	-1506.0	15000.000	0.320	100.0				
660.0	181.8	181.8	-0.817%	-1506.0	15000.000	0.320	100.0				
680.0	181.3	181.3	-0.683%	-1506.0	15000.000	0.320	100.0				
700.0	180.7	180.7	-0.550%	-1506.0	15000.000	0.320	100.0				
720.0	180.5	180.5	-0.500%	-1506.0	0.000	0.320	100.0				
740.0	180.5	180.5	-0.500%	-1506.0	0.000	0.320	100.0				
760.0	180.5	180.5	-0.500%	-1506.0	0.000	0.320	100.0				
780.0	180.5	180.5	-0.500%	-1506.0	0.000	0.320	100.0				
800.0	180.5	180.5	-0.500%	-1506.0	0.000	0.320	100.0				
820.0	180.5	180.5	-0.500%	-1506.0	0.000	0.320	100.0				
840.0	180.5	180.5	-0.500%	-1506.0	0.000	0.320	100.0				
860.0	180.5	180.5	-0.500%	-1506.0	0.000	0.320	100.0				
880.0	180.5	180.5	-0.500%	-1506.0	0.000	0.320	100.0				
900.0	180.5	180.5	-0.500%	-1506.0	0.000	0.320	100.0				
920.0	180.5	180.5	-0.500%	-1506.0	0.000	0.320	100.0				
940.0	180.5	180.5	-0.500%	-1506.0	0.000	0.320	100.0				
960.0	180.5	180.5	-0.500%	-1506.0	0.000	0.320	100.0				

```
#####
# ESTUDIO DE VISIBILIDAD
#####
# Estudio de Visibilidad de Parada a lo largo de un eje o
# un tramo de eje.
#
#####
# ISTRAM(R) V. 9.28 2168 #
#####
# Tabla de diseño de alzado (.dia): Valores por defecto
# La distancia de parada = (V * Tp/3.6) + (V^3 / (254*(F1 + i)))
#
# Eje: 10 en sentido: Inverso
# Estudio a velocidad fija de 100.0 Km/h
# Eje desde PK: 0.000 hasta PK: 2248.101
# Estudio desde PK: 0.000 hasta PK: 2248.101
#
# Saltos del observador para estudio cada: 20.00 m
# Se supone la visibilidad en los primeros: 60.00 m
# A partir de ahí se estudia la visibilidad cada: 20.00 m
#
# Angulo Focos-rasante, en grados: 1.00
# Angulo de tolerancia horizontal, en grados: 45.00
#
# El ángulo horizontal mide la desviación de la visual entre observador y
# referencia con respecto a la tangente a la trayectoria en el pk de
# estudio.
# El ángulo Focos-rasante mide la desviación de la visual entre observador y
# referencia con respecto a la línea de máxima iluminación de los focos
# del vehículo.
#
# El estudio se hace entre el punto de vista del observador y el punto de la
# referencia configurados.
#
# Trayectoria configurada del observador:
# Superficie: 67
# Lado: Derecho
# Código: 1
# Distancia al código: 2.0 m hacia el exterior
# Altura: 1.10 m desde Calzada Pral.
#
# Trayectoria configurada de la referencia:
# Superficie: 67
# Lado: Derecho
# Código: 1
# Distancia al código: 0.0 m hacia el exterior
# Altura: 0.20 m desde Calzada Pral.
#####
```

PK	D.Disp	D.Nece	i	Radio	Kv	f1	V.Est	V.Red	Obstáculo	Dist.Eje	PKObstáculo
1268.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
1248.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
1228.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
1208.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
1188.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-16439.4	0.000	0.320	100.0
1168.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-7095.9	0.000	0.320	100.0
1148.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-4522.8	0.000	0.320	100.0
1128.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-3318.4	0.000	0.320	100.0
1108.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-2620.0	0.000	0.320	100.0
1088.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-2164.1	0.000	0.320	100.0
1068.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1843.1	0.000	0.320	100.0
1048.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1604.8	0.000	0.320	100.0
1028.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1494.0	0.000	0.320	100.0
1008.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1494.0	0.000	0.320	100.0
988.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1494.0	0.000	0.320	100.0
968.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1494.0	0.000	0.320	100.0
948.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1494.0	0.000	0.320	100.0
928.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1494.0	0.000	0.320	100.0
908.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1494.0	0.000	0.320	100.0
888.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1494.0	0.000	0.320	100.0
868.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1494.0	0.000	0.320	100.0
848.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1494.0	0.000	0.320	100.0
828.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1494.0	0.000	0.320	100.0
808.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1494.0	0.000	0.320	100.0
788.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1494.0	0.000	0.320	100.0
768.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1494.0	0.000	0.320	100.0
748.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1494.0	0.000	0.320	100.0
728.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1494.0	0.000	0.320	100.0
708.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	-1494.0	0.000	0.320	100.0
688.1	176.2	176.2	0.629%	0.0	15000.000	0.320	100.0	-1494.0	15000.000	0.320	100.0
668.1	175.7	175.7	0.763%	0.0	15000.000	0.320	100.0	-1494.0	15000.000	0.320	100.0
648.1	175.2	175.2	0.896%	0.0	15000.000	0.320	100.0	-1494.0	15000.000	0.320	100.0
628.1	174.8	174.8	1.029%	0.0	15000.000	0.320	100.0	-1494.0	15000.000	0.320	100.0
608.1	174.3	174.3	1.163%	0.0	15000.000	0.320	100.0	-1494.0	15000.000	0.320	100.0
588.1	173.8	173.8	1.296%	0.0	15000.000	0.320	100.0	-1494.0	15000.000	0.320	100.0
568.1	173.3	173.3	1.429%	0.0	15000.000	0.320	100.0	-1494.0	15000.000	0.320	100.0
548.1	172.9	172.9	1.563%	0.0	15000.000	0.320	100.0	-1494.0	15000.000	0.320	100.0
528.1	172.4	172.4	1.696%	0.0	15000.000	0.320	100.0	-1494.0	15000.000	0.320	100.0
508.1	171.9	171.9	1.829%	0.0	15000.000	0.320	100.0	-1494.0	15000.000	0.320	100.0
488.1	171.5	171.5	1.963%	0.0	15000.000	0.320	100.0	-1494.0	15000.000	0.320	100.0
468.1	171.0	171.0	2.096%	0.0	15000.000	0.320	100.0	-1494.0	15000.000	0.320	100.0
448.1	170.6	170.6	2.229%	0.0	15000.000	0.320	100.0	-1494.0	15000.000	0.320	100.0
428.1	170.1	170.1	2.363%	0.0	15000.000	0.320	100.0	-1494.0	15000.000	0.320	100.0
408.1	169.7	169.7	2.496%	0.0	15000.000	0.320	100.0	-1494.0	15000.000	0.320	100.0
388.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1494.0	0.000	0.320	100.0
368.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1494.0	0.000	0.320	100.0
348.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1494.0	0.000	0.320	100.0
328.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1494.0	0.000	0.320	100.0
308.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1494.0	0.000	0.320	100.0
288.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1494.0	0.000	0.320	100.0
268.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1494.0	0.000	0.320	100.0
248.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1494.0	0.000	0.320	100.0
228.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1494.0	0.000	0.320	100.0
208.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1494.0	0.000	0.320	100.0
188.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1494.0	0.000	0.320	100.0
168.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1494.0	0.000	0.320	100.0
148.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1494.0	0.000	0.320	100.0
128.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1494.0	0.000	0.320	100.0
108.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1494.0	0.000	0.320	100.0
88.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1494.0	0.000	0.320	100.0
68.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1494.0	0.000	0.320	100.0
48.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1494.0	0.000	0.320	100.0
28.1	169.7	169.7	2.500%	0.0	0.000	0.320	100.0	-1494.0	0.000	0.320	100.0

PK	D.Disp	D.Nece	i	Radio	Kv	f1	V.Est	V.Red	Obstáculo	Dist.Eje	PKObstáculo
2248.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
2228.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
2208.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
2188.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
2168.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
2148.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
2128.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
2108.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
2088.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
2068.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
2048.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
2028.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
2008.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
1988.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
1968.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
1948.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
1928.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
1908.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
1888.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
1868.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
1848.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
1828.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
1808.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
1788.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
1768.1	176.7	176.7	0.500%	0.0	0.000	0.320	100.0	0.0	0.000	0.320	100.0
1748.1	176.7	176.7	0.50								

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



PK	D.Disp	D.Nece	i	Radio	Kv	f1	V.Est	V.Red	Obstáculo	Dist.Eje	PKObstáculo
0.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
20.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
40.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
60.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
80.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
100.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
120.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
140.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
160.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
180.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
200.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
220.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
240.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
260.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
280.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
300.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
320.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
340.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
360.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
380.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
400.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
420.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
440.0	190.5	190.5	-2.833%	0.0	10000.000	0.320	100.0				
460.0	189.6	189.6	-2.633%	99990.5	10000.000	0.320	100.0				
480.0	188.7	188.7	-2.433%	26218.7	10000.000	0.320	100.0				
500.0	187.8	187.8	-2.233%	14957.9	10000.000	0.320	100.0				
520.0	186.9	186.9	-2.033%	10462.0	10000.000	0.320	100.0				
540.0	186.1	186.1	-1.833%	8043.2	10000.000	0.320	100.0				
560.0	185.2	185.2	-1.633%	6532.1	10000.000	0.320	100.0				
580.0	184.4	184.4	-1.433%	5498.5	10000.000	0.320	100.0				
600.0	183.5	183.5	-1.233%	4747.0	10000.000	0.320	100.0				
620.0	182.7	182.7	-1.033%	4175.9	10000.000	0.320	100.0				
640.0	181.9	181.9	-0.833%	3727.3	10000.000	0.320	100.0				
660.0	181.1	181.1	-0.633%	3365.5	10000.000	0.320	100.0				
680.0	180.5	180.5	-0.500%	3067.6	0.000	0.320	100.0				
700.0	180.5	180.5	-0.500%	2818.0	0.000	0.320	100.0				
720.0	180.5	180.5	-0.500%	2605.9	0.000	0.320	100.0				
740.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
760.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
780.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
800.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
820.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
840.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
860.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
880.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
900.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
920.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
940.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
960.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
980.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
1000.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
1020.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
1040.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
1060.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
1080.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
1100.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
1120.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
1140.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
1160.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
1180.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
1200.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
1220.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
1240.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
1260.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
1280.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
1300.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
1320.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
1340.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
1360.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
1380.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
1400.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
1420.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
1440.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
1460.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
1480.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
1500.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
1520.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
1540.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
1560.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
1580.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
1600.0	180.5	180.5	-0.500%	2490.5	0.000	0.320	100.0				
1620.0	180.5	180.5	-0.500%	2511.9	0.000	0.320	100.0				
1640.0	180.5	180.5	-0.500%	2708.5	0.000	0.320	100.0				
1660.0	180.5	180.5	-0.500%	2938.3	0.000	0.320	100.0				
1680.0	180.5	180.5	-0.500%	3210.6	0.000	0.320	100.0				
1700.0	180.5	180.5	-0.500%	3538.3	0.000	0.320	100.0				
1720.0	180.5	180.5	-0.500%	3940.3	0.000	0.320	100.0				
1740.0	180.5	180.5	-0.500%	4445.0	0.000	0.320	100.0				
1760.0	180.5	180.5	-0.500%	5097.6	0.000	0.320	100.0				
1780.0	180.5	180.5	-0.500%	5974.2	0.000	0.320	100.0				
1800.0	180.5	180.5	-0.500%	7214.0	0.000	0.320	100.0				
1820.0	180.5	180.5	-0.500%	9102.0	0.000	0.320	100.0				
1840.0	180.5	180.5	-0.500%	12326.1	0.000	0.320	100.0				
1860.0	180.5	180.5	-0.500%	19081.4	0.000	0.320	100.0				
1880.0	180.5	180.5	-0.500%	42192.2	0.000	0.320	100.0				
1900.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
1920.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
1940.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
1960.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
1980.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
2000.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
2020.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
2040.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
2060.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
2080.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
2100.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
2120.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
2140.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
2160.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
2180.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
2200.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
2220.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
2240.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
2260.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
2280.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				
2300.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0				

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Actualización 2016

Actualización 2019:



PK	D.Disp	D.Nece	i	Radio	Kv	f1	V.Est	V.Red	Obstáculo	Dist.Eje	PKObstáculo
5100.0	180.5	180.5	-0.500%	-5542.9	0.000	0.320	100.0				
5120.0	180.5	180.5	-0.500%	-7353.4	0.000	0.320	100.0				
5140.0	180.5	180.5	-0.500%	-10924.8	0.000	0.320	100.0				
5160.0	180.5	180.5	-0.500%	-21258.4	0.000	0.320	100.0				
5180.0	180.5	180.5	-0.500%	-100009.5	0.000	0.320	100.0				
5200.0	180.5	180.5	-0.500%	52972.8	0.000	0.320	100.0				
5220.0	180.5	180.5	-0.500%	25714.5	0.000	0.320	100.0				
5240.0	180.5	180.5	-0.500%	16975.9	0.000	0.320	100.0				
5260.0	180.5	180.5	-0.500%	12668.9	0.000	0.320	100.0				
5280.0	180.5	180.5	-0.500%	10104.4	0.000	0.320	100.0				
5300.0	180.5	180.5	-0.500%	8402.8	0.000	0.320	100.0				
5320.0	180.5	180.5	-0.500%	7191.3	0.000	0.320	100.0				
5340.0	180.5	180.5	-0.500%	6284.8	0.000	0.320	100.0				
5360.0	180.5	180.5	-0.500%	5581.0	0.000	0.320	100.0				
5380.0	180.5	180.5	-0.500%	5018.8	0.000	0.320	100.0				
5400.0	180.5	180.5	-0.500%	4559.3	0.000	0.320	100.0				
5420.0	180.5	180.5	-0.500%	4176.8	0.000	0.320	100.0				
5440.0	180.5	180.5	-0.500%	3853.4	0.000	0.320	100.0				
5460.0	180.5	180.5	-0.500%	3576.3	0.000	0.320	100.0				
5480.0	180.4	180.4	-0.453%	3336.4	15300.000	0.320	100.0				
5500.0	179.8	179.8	-0.322%	3126.5	15300.000	0.320	100.0				
5520.0	179.3	179.3	-0.191%	2990.5	15300.000	0.320	100.0				
5540.0	178.8	178.8	-0.060%	2990.5	15300.000	0.320	100.0				
5560.0	178.3	178.3	0.070%	2990.5	15300.000	0.320	100.0				
5580.0	177.8	177.8	0.201%	2990.5	15300.000	0.320	100.0				
5600.0	177.3	177.3	0.332%	2990.5	15300.000	0.320	100.0				
5620.0	176.8	176.8	0.462%	2990.5	15300.000	0.320	100.0				
5640.0	176.3	176.3	0.593%	2990.5	15300.000	0.320	100.0				
5660.0	175.9	175.9	0.724%	2990.5	15300.000	0.320	100.0				
5680.0	175.4	175.4	0.855%	2990.5	15300.000	0.320	100.0				
5700.0	174.9	174.9	0.985%	2990.5	15300.000	0.320	100.0				
5720.0	174.4	174.4	1.116%	2990.5	15300.000	0.320	100.0				
5740.0	174.0	174.0	1.247%	2990.5	15300.000	0.320	100.0				
5760.0	173.5	173.5	1.377%	2990.5	15300.000	0.320	100.0				
5780.0	173.0	173.0	1.508%	2990.5	15300.000	0.320	100.0				
5800.0	172.6	172.6	1.639%	2990.5	15300.000	0.320	100.0				
5820.0	172.1	172.1	1.770%	2990.5	15300.000	0.320	100.0				
5840.0	171.7	171.7	1.900%	2990.5	15300.000	0.320	100.0				
5860.0	171.3	171.3	2.000%	2990.5	0.000	0.320	100.0				
5880.0	171.3	171.3	2.000%	2990.5	0.000	0.320	100.0				
5900.0	171.3	171.3	2.000%	2990.5	0.000	0.320	100.0				
5920.0	171.3	171.3	2.000%	2990.5	0.000	0.320	100.0				
5940.0	171.3	171.3	2.000%	2990.5	0.000	0.320	100.0				
5960.0	171.4	171.4	1.997%	2990.5	-15300.000	0.320	100.0				
5980.0	171.8	171.8	1.866%	2990.5	-15300.000	0.320	100.0				
6000.0	172.3	172.3	1.735%	2990.5	-15300.000	0.320	100.0				
6020.0	172.7	172.7	1.605%	2990.5	-15300.000	0.320	100.0				
6040.0	173.2	173.2	1.474%	2990.5	-15300.000	0.320	100.0				
6060.0	173.6	173.6	1.343%	2990.5	-15300.000	0.320	100.0				
6080.0	174.1	174.1	1.212%	2990.5	-15300.000	0.320	100.0				
6100.0	174.6	174.6	1.082%	2990.5	-15300.000	0.320	100.0				
6120.0	175.0	175.0	0.951%	2990.5	-15300.000	0.320	100.0				
6140.0	175.5	175.5	0.820%	2990.5	-15300.000	0.320	100.0				
6160.0	176.0	176.0	0.690%	2990.5	-15300.000	0.320	100.0				
6180.0	176.5	176.5	0.559%	2990.5	-15300.000	0.320	100.0				
6200.0	177.0	177.0	0.428%	2990.5	-15300.000	0.320	100.0				
6220.0	177.5	177.5	0.297%	2990.5	-15300.000	0.320	100.0				
6240.0	177.9	177.9	0.167%	2990.5	-15300.000	0.320	100.0				
6260.0	178.4	178.4	0.036%	2990.5	-15300.000	0.320	100.0				
6280.0	179.0	179.0	-0.095%	2990.5	-15300.000	0.320	100.0				
6300.0	179.5	179.5	-0.225%	2990.5	-15300.000	0.320	100.0				
6320.0	180.0	180.0	-0.356%	2990.5	-15300.000	0.320	100.0				
6340.0	180.5	180.5	-0.487%	2990.5	-15300.000	0.320	100.0				
6360.0	181.0	181.0	-0.618%	2990.5	-15300.000	0.320	100.0				
6380.0	181.5	181.5	-0.748%	2990.5	-15300.000	0.320	100.0				
6400.0	182.1	182.1	-0.879%	2990.5	-15300.000	0.320	100.0				
6420.0	182.6	182.6	-1.010%	2990.5	-15300.000	0.320	100.0				
6440.0	183.1	183.1	-1.140%	2990.5	-15300.000	0.320	100.0				
6460.0	183.7	183.7	-1.271%	2990.5	-15300.000	0.320	100.0				
6480.0	184.2	184.2	-1.402%	2990.5	-15300.000	0.320	100.0				
6500.0	184.8	184.8	-1.533%	2990.5	-15300.000	0.320	100.0				
6520.0	185.3	185.3	-1.663%	2990.5	-15300.000	0.320	100.0				
6540.0	185.9	185.9	-1.794%	2990.5	-15300.000	0.320	100.0				
6560.0	186.5	186.5	-1.925%	2990.5	-15300.000	0.320	100.0				
6580.0	187.0	187.0	-2.055%	3090.5	-15300.000	0.320	100.0				
6600.0	186.4	186.4	-1.916%	3295.4	7000.000	0.320	100.0				
6620.0	185.2	185.2	-1.631%	3529.3	7000.000	0.320	100.0				
6640.0	184.0	184.0	-1.345%	3798.9	7000.000	0.320	100.0				
6660.0	182.8	182.8	-1.059%	4112.9	7000.000	0.320	100.0				
6680.0	181.6	181.6	-0.773%	4483.3	7000.000	0.320	100.0				
6700.0	180.5	180.5	-0.488%	4926.9	7000.000	0.320	100.0				
6720.0	179.4	179.4	-0.202%	5467.6	7000.000	0.320	100.0				
6740.0	178.3	178.3	0.084%	6141.4	7000.000	0.320	100.0				
6760.0	177.2	177.2	0.369%	7004.2	7000.000	0.320	100.0				
6780.0	176.1	176.1	0.655%	8148.5	7000.000	0.320	100.0				
6800.0	175.1	175.1	0.941%	9739.1	7000.000	0.320	100.0				
6820.0	174.0	174.0	1.227%	12100.2	7000.000	0.320	100.0				
6840.0	173.0	173.0	1.512%	15970.4	7000.000	0.320	100.0				
6860.0	172.0	172.0	1.798%	23476.5	7000.000	0.320	100.0				
6880.0	171.1	171.1	2.084%	44280.3	7000.000	0.320	100.0				
6900.0	170.3	170.3	2.300%	99990.5	0.000	0.320	100.0				
6920.0	170.3	170.3	2.300%	0.0	0.000	0.320	100.0				
6940.0	170.3	170.3	2.300%	0.0	0.000	0.320	100.0				
6960.0	170.3	170.3	2.300%	0.0	0.000	0.320	100.0				
6980.0	170.3	170.3	2.300%	0.0	0.000	0.320	100.0				
7000.0	170.3	170.3	2.300%	0.0	0.000	0.320	100.0				
7020.0	170.3	170.3	2.300%	0.0	0.000	0.320	100.0				
7040.0	170.3	170.3	2.300%	0.0	0.000	0.320	100.0				
7060.0	170.3	170.3	2.300%	0.0	0.000	0.320	100.0				
7080.0	170.3	1									

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



6594.8	171.4	171.4	1.991%	3258.5	7000.000	0.320	100.0	4534.8	180.5	180.5	-0.500%	-1990.5	0.000	0.320	100.0	2474.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
6574.8	171.3	171.3	2.021%	3060.2	-15300.000	0.320	100.0	4514.8	180.5	180.5	-0.500%	-2000.9	0.000	0.320	100.0	2454.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
6554.8	171.7	171.7	1.891%	3009.5	-15300.000	0.320	100.0	4494.8	180.5	180.5	-0.500%	-2198.7	0.000	0.320	100.0	2434.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
6534.8	172.2	172.2	1.760%	3009.5	-15300.000	0.320	100.0	4474.8	180.5	180.5	-0.500%	-2439.6	0.000	0.320	100.0	2414.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
6514.8	172.6	172.6	1.629%	3009.5	-15300.000	0.320	100.0	4454.8	180.5	180.5	-0.500%	-2739.6	0.000	0.320	100.0	2394.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
6494.8	173.1	173.1	1.499%	3009.5	-15300.000	0.320	100.0	4434.8	180.5	180.5	-0.500%	-3123.3	0.000	0.320	100.0	2374.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
6474.8	173.5	173.5	1.368%	3009.5	-15300.000	0.320	100.0	4414.8	180.5	180.5	-0.500%	-3631.5	0.000	0.320	100.0	2354.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
6454.8	174.0	174.0	1.237%	3009.5	-15300.000	0.320	100.0	4394.8	180.5	180.5	-0.500%	-4336.4	0.000	0.320	100.0	2334.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
6434.8	174.5	174.5	1.106%	3009.5	-15300.000	0.320	100.0	4374.8	180.5	180.5	-0.500%	-5380.0	0.000	0.320	100.0	2314.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
6414.8	174.9	174.9	0.976%	3009.5	-15300.000	0.320	100.0	4354.8	180.5	180.5	-0.500%	-7083.1	0.000	0.320	100.0	2294.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
6394.8	175.4	175.4	0.845%	3009.5	-15300.000	0.320	100.0	4334.8	180.5	180.5	-0.500%	-10359.7	0.000	0.320	100.0	2274.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
6374.8	175.9	175.9	0.714%	3009.5	-15300.000	0.320	100.0	4314.8	180.5	180.5	-0.500%	-19263.5	0.000	0.320	100.0	2254.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
6354.8	176.4	176.4	0.584%	3009.5	-15300.000	0.320	100.0	4294.8	180.5	180.5	-0.500%	-99990.5	0.000	0.320	100.0	2234.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
6334.8	176.9	176.9	0.453%	3009.5	-15300.000	0.320	100.0	4274.8	180.0	180.0	-0.363%	26876.2	10000.000	0.320	100.0	2214.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
6314.8	177.4	177.4	0.322%	3009.5	-15300.000	0.320	100.0	4254.8	179.2	179.2	-0.163%	12238.3	10000.000	0.320	100.0	2194.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
6294.8	177.9	177.9	0.191%	3009.5	-15300.000	0.320	100.0	4234.8	178.4	178.4	0.037%	7925.4	10000.000	0.320	100.0	2174.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
6274.8	178.4	178.4	0.061%	3009.5	-15300.000	0.320	100.0	4214.8	177.7	177.7	0.237%	5861.5	10000.000	0.320	100.0	2154.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
6254.8	178.9	178.9	-0.070%	3009.5	-15300.000	0.320	100.0	4194.8	176.9	176.9	0.437%	4651.3	10000.000	0.320	100.0	2134.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
6234.8	179.4	179.4	-0.201%	3009.5	-15300.000	0.320	100.0	4174.8	176.2	176.2	0.637%	3855.8	10000.000	0.320	100.0	2114.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
6214.8	179.9	179.9	-0.332%	3009.5	-15300.000	0.320	100.0	4154.8	175.4	175.4	0.837%	3293.1	10000.000	0.320	100.0	2094.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
6194.8	180.4	180.4	-0.462%	3009.5	-15300.000	0.320	100.0	4134.8	174.7	174.7	1.037%	2874.1	10000.000	0.320	100.0	2074.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
6174.8	180.9	180.9	-0.593%	3009.5	-15300.000	0.320	100.0	4114.8	174.0	174.0	1.237%	2549.8	10000.000	0.320	100.0	2054.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
6154.8	181.4	181.4	-0.724%	3009.5	-15300.000	0.320	100.0	4094.8	173.3	173.3	1.437%	2291.6	10000.000	0.320	100.0	2034.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
6134.8	182.0	182.0	-0.854%	3009.5	-15300.000	0.320	100.0	4074.8	172.6	172.6	1.637%	2080.9	10000.000	0.320	100.0	2014.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
6114.8	182.5	182.5	-0.985%	3009.5	-15300.000	0.320	100.0	4054.8	171.9	171.9	1.837%	2009.5	10000.000	0.320	100.0	1994.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
6094.8	183.0	183.0	-1.116%	3009.5	-15300.000	0.320	100.0	4034.8	171.2	171.2	2.037%	2009.5	10000.000	0.320	100.0	1974.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
6074.8	183.6	183.6	-1.247%	3009.5	-15300.000	0.320	100.0	4014.8	170.5	170.5	2.237%	2009.5	10000.000	0.320	100.0	1954.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
6054.8	184.1	184.1	-1.377%	3009.5	-15300.000	0.320	100.0	3994.8	169.9	169.9	2.437%	2009.5	10000.000	0.320	100.0	1934.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
6034.8	184.7	184.7	-1.508%	3009.5	-15300.000	0.320	100.0	3974.8	169.2	169.2	2.637%	2009.5	10000.000	0.320	100.0	1914.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
6014.8	185.2	185.2	-1.639%	3009.5	-15300.000	0.320	100.0	3954.8	168.6	168.6	2.837%	2009.5	10000.000	0.320	100.0	1894.8	176.7	176.7	0.500%	100009.5	0.000	0.320	100.0
5994.8	185.8	185.8	-1.769%	3009.5	-15300.000	0.320	100.0	3934.8	168.0	168.0	3.000%	2009.5	0.000	0.320	100.0	1874.8	176.7	176.7	0.500%	32090.0	0.000	0.320	100.0
5974.8	186.4	186.4	-1.900%	3009.5	-15300.000	0.320	100.0	3914.8	168.0	168.0	3.000%	2009.5	0.000	0.320	100.0	1854.8	176.7	176.7	0.500%	16716.0	0.000	0.320	100.0
5954.8	186.8	186.8	-2.000%	3009.5	0.000	0.320	100.0	3894.8	168.0	168.0	3.000%	2009.5	0.000	0.320	100.0	1834.8	176.7	176.7	0.500%	11303.6	0.000	0.320	100.0
5934.8	186.8	186.8	-2.000%	3009.5	0.000	0.320	100.0	3874.8	168.0	168.0	3.000%	2009.5	0.000	0.320	100.0	1814.8	176.7	176.7	0.500%	8540.0	0.000	0.320	100.0
5914.8	186.8	186.8	-2.000%	3009.5	0.000	0.320	100.0	3854.8	168.0	168.0	3.000%	2009.5	0.000	0.320	100.0	1794.8	176.7	176.7	0.500%	6862.9	0.000	0.320	100.0
5894.8	186.8	186.8	-2.000%	3009.5	0.000	0.320	100.0	3834.8	168.0	168.0	3.000%	2009.5	0.000	0.320	100.0	1774.8	176.7	176.7	0.500%	5737.0	0.000	0.320	100.0
5874.8	186.8	186.8	-2.000%	3009.5	0.000	0.320	100.0	3814.8	168.0	168.0	3.000%	2009.5	0.000	0.320	100.0	1754.8	176.7	176.7	0.500%	4928.8	0.000	0.320	100.0
5854.8	186.8	186.8	-1.997%	3009.5	15300.000	0.320	100.0	3794.8	168.0	168.0	3.000%	2009.5	0.000	0.320	100.0	1734.8	176.7	176.7	0.500%	4320.4	0.000	0.320	100.0
5834.8	186.2	186.2	-1.866%	3009.5	15300.000	0.320	100.0	3774.8	168.0	168.0	3.000%	2009.5	0.000	0.320	100.0	1714.8	176.7	176.7	0.500%	3846.0	0.000	0.320	100.0
5814.8	185.6	185.6	-1.736%	3009.5	15300.000	0.320	100.0	3754.8	168.0	168.0	3.000%	2009.5	0.000	0.320	100.0	1694.8	176.7	176.7	0.500%	3465.7	0.000	0.320	100.0
5794.8	185.1	185.1	-1.605%	3009.5	15300.000	0.320	100.0	3734.8	168.0	168.0	3.000%	2009.5	0.000	0.320	100.0	1674.8	176.7	176.7	0.500%	3153.9	0.000	0.320	100.0
5774.8	184.5	184.5	-1.474%	3009.5	15300.000	0.320	100.0	3714.8	168.0	168.0	3.000%	2009.5	0.000	0.320	100.0	1654.8	176.7	176.7	0.500%	2893.8	0.000	0.320	100.0
5754.8	184.0	184.0	-1.343%	3009.5	15300.000	0.320	100.0	3694.8	168.0	168.0	3.000%	2009.5	0.000	0.320	100.0	1634.8	176.7	176.7	0.500%	2673.4	0.000	0.320	100.0
5734.8	183.4	183.4	-1.213%	3009.5	15300.000	0.320	100.0	3674.8	168.0	168.0	3.000%	2009.5	0.000	0.320	100.0	1614.8	176.7	176.7	0.500%	2509.5	0.000	0.320	100.0
5714.8	182.9	182.9	-1.082%	3009.5	15300.000	0.320	100.0	3654.8	168.0	168.0	3.000%	2009.5	0.000	0.320	100.0	1594.8	176.7	176.7	0.500%	2509.5	0.000	0.320	100.0
5694.8	182.4	182.4	-0.951%	3009.5	15300.000	0.320	100.0	3634.8	168.0	168.0	3.000%	2009.5	0.000	0.320	100.0	1574.8	176.7	176.7	0.500%	2509.5	0.000	0.320	100.0
5674.8	181.8	181.8	-0.821%	3009.5	15300.000	0.320	100.0	3614.8	168.0	168.0	3.000%	2009.5	0.000	0.320	100.0	1554.8	176.7	176.7	0.500%	2509.5			

414.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
394.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
374.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
354.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
334.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
314.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
294.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
274.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
254.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
234.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
214.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
194.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
174.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
154.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
134.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
114.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
94.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
74.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
54.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
34.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0

```
#####
# ESTUDIO DE VISIBILIDAD #
#####
# Estudio de Visibilidad de Parada a lo largo de un eje o #
# un tramo de eje. #
#####
# ISTRAM(R) V. 9.28 2168 #
#####
# Tabla de diseño de alzado (.dia): GRUPO-1.dia #
# La distancia de parada = (V * Tp/3.6) + (V*V / (254*(F1 + i))) #
# #
# Eje: 8 en sentido: Normal #
# Estudio a velocidad fija de 100.0 Km/h #
# Eje desde PK: 0.000 hasta PK: 7574.788 #
# Estudio desde PK: 0.000 hasta PK: 7574.788 #
# #
# Saltos del observador para estudio cada: 20.00 m #
# Se supone la visibilidad en los primeros: 60.00 m #
# A partir de ahí se estudia la visibilidad cada: 20.00 m #
# #
# Angulo Focos-rasante, en grados: 1.00 #
# Angulo de tolerancia horizontal, en grados: 45.00 #
# #
# El ángulo horizontal mide la desviación de la visual entre observador y #
# referencia con respecto a la tangente a la trayectoria en el pk de #
# estudio. #
# El ángulo Focos-rasante mide la desviación de la visual entre observador y #
# referencia con respecto a la línea de máxima iluminación de los focos #
# del vehículo. #
# #
# El estudio se hace entre el punto de vista del observador y el punto de la #
# referencia configurados. #
# #
# Trayectoria configurada del observador: #
# Superficie: 67 #
# Lado: Derecho #
# Código: 1 #
# Distancia al código: 2.0 m hacia el exterior #
# Altura: 1.10 m desde Calzada Pral. #
# #
# Trayectoria configurada de la referencia: #
# Superficie: 67 #
# Lado: Derecho #
# Código: 1 #
# Distancia al código: 0.0 m hacia el exterior #
# Altura: 0.20 m desde Calzada Pral. #
#####
```

PK	D.Disp	D.Nece	i	Radio	Kv	f1	V.Est	V.Red	Obstáculo	Dist.Eje	PKObstáculo
0.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
20.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
40.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
60.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
80.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
100.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
120.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
140.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
160.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
180.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
200.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
220.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
240.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
260.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
280.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
300.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
320.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
340.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
360.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
380.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
400.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
420.0	191.3	191.3	-3.000%	0.0	0.000	0.320	100.0				
440.0	190.5	190.5	-2.833%	0.0	10000.000	0.320	100.0				
460.0	189.6	189.6	-2.633%	99994.0	10000.000	0.320	100.0				
480.0	188.7	188.7	-2.433%	26222.2	10000.000	0.320	100.0				
500.0	187.8	187.8	-2.233%	14961.4	10000.000	0.320	100.0				
520.0	186.9	186.9	-2.033%	10465.5	10000.000	0.320	100.0				
540.0	186.1	186.1	-1.833%	8046.7	10000.000	0.320	100.0				
560.0	185.2	185.2	-1.633%	6535.6	10000.000	0.320	100.0				
580.0	184.4	184.4	-1.433%	5502.0	10000.000	0.320	100.0				
600.0	183.5	183.5	-1.233%	4750.5	10000.000	0.320	100.0				
620.0	182.7	182.7	-1.033%	4179.4	10000.000	0.320	100.0				
640.0	181.9	181.9	-0.833%	3730.8	10000.000	0.320	100.0				
660.0	181.1	181.1	-0.633%	3369.0	10000.000	0.320	100.0				
680.0	180.5	180.5	-0.500%	3071.1	0.000	0.320	100.0				
700.0	180.5	180.5	-0.500%	2821.5	0.000	0.320	100.0				
720.0	180.5	180.5	-0.500%	2609.4	0.000	0.320	100.0				
740.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0				
760.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0				
780.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0				
800.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0				
820.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0				
840.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0				
860.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0				
880.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0				
900.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0				
920.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0				
940.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0				
960.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0				

980.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0
1000.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0
1020.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0
1040.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0
1060.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0
1080.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0
1100.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0
1120.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0
1140.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0
1160.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0
1180.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0
1200.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0
1220.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0
1240.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0
1260.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0
1280.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0
1300.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0
1320.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0
1340.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0
1360.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0
1380.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0
1400.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0
1420.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0
1440.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0
1460.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0
1480.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0
1500.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0
1520.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0
1540.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0
1560.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0
1580.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0
1600.0	180.5	180.5	-0.500%	2494.0	0.000	0.320	100.0
1620.0	180.5	180.5	-0.500%	2515.4	0.000	0.320	100.0
1640.0	180.5	180.5	-0.500%	2712.0	0.000	0.320	100.0
1660.0	180.5	180.5	-0.500%	2941.8	0.000	0.320	100.0
1680.0	180.5	180.5	-0.500%	3214.1	0.000	0.320	100.0
1700.0	180.5	180.5	-0.500%	3541.8	0.000	0.320	100.0
1720.0	180.5	180.5	-0.500%	3943.8	0.000	0.320	100.0
1740.0	180.5	180.5	-0.500%	4448.5	0.000	0.320	100.0
1760.0	180.5	180.5	-0.500%	5101.1	0.000	0.320	100.0
1780.0	180.5	180.5	-0.500%	5977.7	0.000	0.320	100.0
1800.0	180.5	180.5	-0.500%	7217.5	0.000	0.320	100.0
1820.0	180.5	180.5	-0.500%	9105.5	0.000	0.320	100.0
1840.0	180.5	180.5	-0.500%	12329.6	0.000	0.320	100.0
1860.0	180.5	180.5	-0.500%	19084.9	0.000	0.320	100.0
1880.0	180.5	180.5	-0.500%	42195.7	0.000	0.320	100.0
1900.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0
1920.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0
1940.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0
1960.0	180.5	180.5	-0.500%	0.0	0.000	0.320	100.0
1980.0	180.5	180.5	-0.500%	0.0	0.000		

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



3040.0	177.7	177.7	0.235%	76245.1	-15300.000	0.320	100.0	5100.0	180.5	180.5	-0.500%	-5539.4	0.000	0.320	100.0	7160.0	170.3	170.3	2.300%	0.0	0.000	0.320	100.0
3060.0	178.2	178.2	0.104%	17334.7	-15300.000	0.320	100.0	5120.0	180.5	180.5	-0.500%	-7349.9	0.000	0.320	100.0	7180.0	170.3	170.3	2.300%	0.0	0.000	0.320	100.0
3080.0	178.7	178.7	-0.027%	9776.7	-15300.000	0.320	100.0	5140.0	180.5	180.5	-0.500%	-10921.3	0.000	0.320	100.0	7200.0	170.3	170.3	2.300%	0.0	0.000	0.320	100.0
3100.0	179.2	179.2	-0.157%	6807.2	-15300.000	0.320	100.0	5160.0	180.5	180.5	-0.500%	-21254.9	0.000	0.320	100.0	7220.0	170.3	170.3	2.300%	0.0	0.000	0.320	100.0
3120.0	179.7	179.7	-0.288%	5220.6	-15300.000	0.320	100.0	5180.0	180.5	180.5	-0.500%	-100006.0	0.000	0.320	100.0	7240.0	170.3	170.3	2.300%	0.0	0.000	0.320	100.0
3140.0	180.2	180.2	-0.419%	4233.4	-15300.000	0.320	100.0	5200.0	180.5	180.5	-0.500%	52976.3	0.000	0.320	100.0	7260.0	170.3	170.3	2.300%	0.0	0.000	0.320	100.0
3160.0	180.7	180.7	-0.549%	3559.9	-15300.000	0.320	100.0	5220.0	180.5	180.5	-0.500%	25718.0	0.000	0.320	100.0	7280.0	170.3	170.3	2.300%	0.0	0.000	0.320	100.0
3180.0	181.3	181.3	-0.680%	3071.0	-15300.000	0.320	100.0	5240.0	180.5	180.5	-0.500%	16979.4	0.000	0.320	100.0	7300.0	170.3	170.3	2.300%	0.0	0.000	0.320	100.0
3200.0	181.8	181.8	-0.811%	2700.1	-15300.000	0.320	100.0	5260.0	180.5	180.5	-0.500%	12672.4	0.000	0.320	100.0	7320.0	170.3	170.3	2.300%	0.0	0.000	0.320	100.0
3220.0	182.3	182.3	-0.942%	2408.9	-15300.000	0.320	100.0	5280.0	180.5	180.5	-0.500%	10107.9	0.000	0.320	100.0	7340.0	170.3	170.3	2.300%	0.0	0.000	0.320	100.0
3240.0	182.9	182.9	-1.072%	2174.3	-15300.000	0.320	100.0	5300.0	180.5	180.5	-0.500%	8406.3	0.000	0.320	100.0	7360.0	170.3	170.3	2.300%	0.0	0.000	0.320	100.0
3260.0	183.4	183.4	-1.203%	1994.0	-15300.000	0.320	100.0	5320.0	180.5	180.5	-0.500%	7194.8	0.000	0.320	100.0	7380.0	170.3	170.3	2.300%	0.0	0.000	0.320	100.0
3280.0	183.9	183.9	-1.334%	1994.0	-15300.000	0.320	100.0	5340.0	180.5	180.5	-0.500%	6288.3	0.000	0.320	100.0	7400.0	170.3	170.3	2.300%	0.0	0.000	0.320	100.0
3300.0	184.5	184.5	-1.464%	1994.0	-15300.000	0.320	100.0	5360.0	180.5	180.5	-0.500%	5584.5	0.000	0.320	100.0	7420.0	170.3	170.3	2.300%	0.0	0.000	0.320	100.0
3320.0	185.0	185.0	-1.595%	1994.0	-15300.000	0.320	100.0	5380.0	180.5	180.5	-0.500%	5022.3	0.000	0.320	100.0	7440.0	170.3	170.3	2.300%	0.0	0.000	0.320	100.0
3340.0	185.6	185.6	-1.726%	1994.0	-15300.000	0.320	100.0	5400.0	180.5	180.5	-0.500%	4562.8	0.000	0.320	100.0	7460.0	170.3	170.3	2.300%	0.0	0.000	0.320	100.0
3360.0	186.2	186.2	-1.857%	1994.0	-15300.000	0.320	100.0	5420.0	180.5	180.5	-0.500%	4180.3	0.000	0.320	100.0	7480.0	170.3	170.3	2.300%	0.0	0.000	0.320	100.0
3380.0	186.7	186.7	-1.987%	1994.0	-15300.000	0.320	100.0	5440.0	180.5	180.5	-0.500%	3856.9	0.000	0.320	100.0	7500.0	170.3	170.3	2.300%	0.0	0.000	0.320	100.0
3400.0	187.3	187.3	-2.118%	1994.0	-15300.000	0.320	100.0	5460.0	180.5	180.5	-0.500%	3579.8	0.000	0.320	100.0	7520.0	170.3	170.3	2.300%	0.0	0.000	0.320	100.0
3420.0	187.9	187.9	-2.249%	1994.0	-15300.000	0.320	100.0	5480.0	180.4	180.4	-0.453%	3339.9	15300.000	0.320	100.0	7540.0	170.3	170.3	2.300%	0.0	0.000	0.320	100.0
3440.0	188.5	188.5	-2.380%	1994.0	-15300.000	0.320	100.0	5500.0	179.8	179.8	-0.322%	3130.0	15300.000	0.320	100.0								
3460.0	189.1	189.1	-2.510%	1994.0	-15300.000	0.320	100.0	5520.0	179.3	179.3	-0.191%	2994.0	15300.000	0.320	100.0								
3480.0	189.7	189.7	-2.641%	1994.0	-15300.000	0.320	100.0	5540.0	178.8	178.8	-0.060%	2994.0	15300.000	0.320	100.0								
3500.0	190.3	190.3	-2.772%	1994.0	-15300.000	0.320	100.0	5560.0	178.3	178.3	0.070%	2994.0	15300.000	0.320	100.0								
3520.0	190.9	190.9	-2.902%	1994.0	-15300.000	0.320	100.0	5580.0	177.8	177.8	0.201%	2994.0	15300.000	0.320	100.0								
3540.0	191.3	191.3	-3.000%	1994.0	0.000	0.320	100.0	5600.0	177.3	177.3	0.332%	2994.0	15300.000	0.320	100.0								
3560.0	191.3	191.3	-3.000%	1994.0	0.000	0.320	100.0	5620.0	176.8	176.8	0.462%	2994.0	15300.000	0.320	100.0								
3580.0	191.3	191.3	-3.000%	1994.0	0.000	0.320	100.0	5640.0	176.3	176.3	0.593%	2994.0	15300.000	0.320	100.0								
3600.0	191.3	191.3	-3.000%	1994.0	0.000	0.320	100.0	5660.0	175.9	175.9	0.724%	2994.0	15300.000	0.320	100.0								
3620.0	191.3	191.3	-3.000%	1994.0	0.000	0.320	100.0	5680.0	175.4	175.4	0.855%	2994.0	15300.000	0.320	100.0								
3640.0	191.3	191.3	-3.000%	1994.0	0.000	0.320	100.0	5700.0	174.9	174.9	0.985%	2994.0	15300.000	0.320	100.0								
3660.0	191.3	191.3	-3.000%	1994.0	0.000	0.320	100.0	5720.0	174.4	174.4	1.116%	2994.0	15300.000	0.320	100.0								
3680.0	191.3	191.3	-3.000%	1994.0	0.000	0.320	100.0	5740.0	174.0	174.0	1.247%	2994.0	15300.000	0.320	100.0								
3700.0	191.3	191.3	-3.000%	1994.0	0.000	0.320	100.0	5760.0	173.5	173.5	1.377%	2994.0	15300.000	0.320	100.0								
3720.0	191.3	191.3	-3.000%	1994.0	0.000	0.320	100.0	5780.0	173.0	173.0	1.508%	2994.0	15300.000	0.320	100.0								
3740.0	191.3	191.3	-3.000%	1994.0	0.000	0.320	100.0	5800.0	172.6	172.6	1.639%	2994.0	15300.000	0.320	100.0								
3760.0	191.3	191.3	-3.000%	1994.0	0.000	0.320	100.0	5820.0	172.1	172.1	1.770%	2994.0	15300.000	0.320	100.0								
3780.0	191.3	191.3	-3.000%	1994.0	0.000	0.320	100.0	5840.0	171.7	171.7	1.900%	2994.0	15300.000	0.320	100.0								
3800.0	191.3	191.3	-3.000%	1994.0	0.000	0.320	100.0	5860.0	171.3	171.3	2.000%	2994.0	0.000	0.320	100.0								
3820.0	191.3	191.3	-3.000%	1994.0	0.000	0.320	100.0	5880.0	171.3	171.3	2.000%	2994.0	0.000	0.320	100.0								
3840.0	191.3	191.3	-3.000%	1994.0	0.000	0.320	100.0	5900.0	171.3	171.3	2.000%	2994.0	0.000	0.320	100.0								
3860.0	191.3	191.3	-3.000%	1994.0	0.000	0.320	100.0	5920.0	171.3	171.3	2.000%	2994.0	0.000	0.320	100.0								
3880.0	191.3	191.3	-3.000%	1994.0	0.000	0.320	100.0	5940.0	171.3	171.3	2.000%	2994.0	0.000	0.320	100.0								
3900.0	191.3	191.3	-3.000%	1994.0	0.000	0.320	100.0	5960.0	171.4	171.4	1.997%	2994.0	-15300.000	0.320	100.0								
3920.0	191.3	191.3	-3.000%	1994.0	0.000	0.320	100.0	5980.0	171.8	171.8	1.866%	2994.0	-15300.000	0.320	100.0								
3940.0	191.2	191.2	-2.985%	1994.0	10000.000	0.320	100.0	6000.0	172.3	172.3	1.735%	2994.0	-15300.000	0.320	100.0								
3960.0	190.3	190.3	-2.785%	1994.0	10000.000	0.320	100.0	6020.0	172.7	172.7	1.605%	2994.0	-15300.000	0.320	100.0								
3980.0	189.4	189.4	-2.585%	1994.0	10000.000	0.320	100.0	6040.0	173.2	173.2	1.474%	2994.0	-15300.000	0.320	100.0								
4000.0	188.5	188.5	-2.385%	1994.0	10000.000	0.320	100.0	6060.0	173.6	173.6	1.343%	2994.0	-15300.000	0.320	100.0								
4020.0	187.6	187.6	-2.185%	1994.0	10000.000	0.320	100.0	6080.0	174.1	174.1	1.212%	2994.0	-15300.000	0.320	100.0								
4040.0	186.7	186.7	-1.985%	1994.0	10000.000	0.320	100.0	6100.0	174.6	174.6	1.082%	2994.0	-15300.000	0.320	100.0								
4060.0	185.9	185.9	-1.785%	1994.0	10000.000	0.320	100.0	6120.0	175.0	175.0	0.951%	2994.0	-15300.000	0.320	100.0								
4080.0	185.0	185.0	-1.585%	2116.5	10000.000	0.320	100.0	6140.0	175.5	175.5	0.820%	2994.0	-15300.000	0.320	100.0								
4100.0	184.2	184.2	-1.385%	2338.2	10000.000	0																	

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



```
#####
# ESTUDIO DE VISIBILIDAD
#####
# Estudio de Visibilidad de Parada a lo largo de un eje o
# un tramo de eje.
#####
# ISTRAM(R) V. 9.28 2168
#####
# Tabla de diseño de alzado (.dia): GRUPO-1.dia
# La distancia de parada = (V * Tp/3.6) + (V*V / (254*(F1 + i)))
# Eje: 8 en sentido: Inverso
# Estudio a velocidad fija de 100.0 Km/h
# Eje desde PK: 0.000 hasta PK: 7574.788
# Estudio desde PK: 0.000 hasta PK: 7574.788
# Saltos del observador para estudio cada: 20.00 m
# Se supone la visibilidad en los primeros: 60.00 m
# A partir de ahí se estudia la visibilidad cada: 20.00 m
# Angulo Focos-rasante, en grados: 1.00
# Angulo de tolerancia horizontal, en grados: 45.00
# El ángulo horizontal mide la desviación de la visual entre observador y
# referencia con respecto a la tangente a la trayectoria en el pk de
# estudio.
# El ángulo Focos-rasante mide la desviación de la visual entre observador y
# referencia con respecto a la línea de máxima iluminación de los focos
# del vehículo.
# El estudio se hace entre el punto de vista del observador y el punto de la
# referencia configurados.
# Trayectoria configurada del observador:
# Superficie: 67
# Lado: Derecho
# Código: 1
# Distancia al código: 2.0 m hacia el exterior
# Altura: 1.10 m desde Calzada Pral.
# Trayectoria configurada de la referencia:
# Superficie: 67
# Lado: Derecho
# Código: 1
# Distancia al código: 0.0 m hacia el exterior
# Altura: 0.20 m desde Calzada Pral.
#####
```

PK	D.Disp	D.Nece	i	Radio	Kv	f1	V.Est	V.Red	Obstáculo	Dist.Eje	PKObstáculo
7574.8	188.1	188.1	-2.300%	0.0	0.000	0.320	100.0				
7554.8	188.1	188.1	-2.300%	0.0	0.000	0.320	100.0				
7534.8	188.1	188.1	-2.300%	0.0	0.000	0.320	100.0				
7514.8	188.1	188.1	-2.300%	0.0	0.000	0.320	100.0				
7494.8	188.1	188.1	-2.300%	0.0	0.000	0.320	100.0				
7474.8	188.1	188.1	-2.300%	0.0	0.000	0.320	100.0				
7454.8	188.1	188.1	-2.300%	0.0	0.000	0.320	100.0				
7434.8	188.1	188.1	-2.300%	0.0	0.000	0.320	100.0				
7414.8	188.1	188.1	-2.300%	0.0	0.000	0.320	100.0				
7394.8	188.1	188.1	-2.300%	0.0	0.000	0.320	100.0				
7374.8	188.1	188.1	-2.300%	0.0	0.000	0.320	100.0				
7354.8	188.1	188.1	-2.300%	0.0	0.000	0.320	100.0				
7334.8	188.1	188.1	-2.300%	0.0	0.000	0.320	100.0				
7314.8	188.1	188.1	-2.300%	0.0	0.000	0.320	100.0				
7294.8	188.1	188.1	-2.300%	0.0	0.000	0.320	100.0				
7274.8	188.1	188.1	-2.300%	0.0	0.000	0.320	100.0				
7254.8	188.1	188.1	-2.300%	0.0	0.000	0.320	100.0				
7234.8	188.1	188.1	-2.300%	0.0	0.000	0.320	100.0				
7214.8	188.1	188.1	-2.300%	0.0	0.000	0.320	100.0				
7194.8	188.1	188.1	-2.300%	0.0	0.000	0.320	100.0				
7174.8	188.1	188.1	-2.300%	0.0	0.000	0.320	100.0				
7154.8	188.1	188.1	-2.300%	0.0	0.000	0.320	100.0				
7134.8	188.1	188.1	-2.300%	0.0	0.000	0.320	100.0				
7114.8	188.1	188.1	-2.300%	0.0	0.000	0.320	100.0				
7094.8	188.1	188.1	-2.300%	0.0	0.000	0.320	100.0				
7074.8	188.1	188.1	-2.300%	0.0	0.000	0.320	100.0				
7054.8	188.1	188.1	-2.300%	0.0	0.000	0.320	100.0				
7034.8	188.1	188.1	-2.300%	0.0	0.000	0.320	100.0				
7014.8	188.1	188.1	-2.300%	0.0	0.000	0.320	100.0				
6994.8	188.1	188.1	-2.300%	0.0	0.000	0.320	100.0				
6974.8	188.1	188.1	-2.300%	0.0	0.000	0.320	100.0				
6954.8	188.1	188.1	-2.300%	0.0	0.000	0.320	100.0				
6934.8	188.1	188.1	-2.300%	0.0	0.000	0.320	100.0				
6914.8	188.1	188.1	-2.300%	0.0	0.000	0.320	100.0				
6894.8	188.1	188.1	-2.295%	100006.0	7000.000	0.320	100.0				
6874.8	186.8	186.8	-2.009%	35988.9	7000.000	0.320	100.0				
6854.8	185.6	185.6	-1.724%	20930.5	7000.000	0.320	100.0				
6834.8	184.4	184.4	-1.438%	14757.2	7000.000	0.320	100.0				
6814.8	183.2	183.2	-1.152%	11396.7	7000.000	0.320	100.0				
6794.8	182.0	182.0	-0.866%	9283.2	7000.000	0.320	100.0				
6774.8	180.9	180.9	-0.581%	7831.3	7000.000	0.320	100.0				
6754.8	179.7	179.7	-0.295%	6772.3	7000.000	0.320	100.0				
6734.8	178.6	178.6	-0.009%	5965.8	7000.000	0.320	100.0				
6714.8	177.5	177.5	0.276%	5331.1	7000.000	0.320	100.0				
6694.8	176.5	176.5	0.562%	4818.5	7000.000	0.320	100.0				
6674.8	175.4	175.4	0.848%	4396.0	7000.000	0.320	100.0				
6654.8	174.4	174.4	1.134%	4041.7	7000.000	0.320	100.0				
6634.8	173.4	173.4	1.419%	3740.3	7000.000	0.320	100.0				
6614.8	172.4	172.4	1.705%	3480.7	7000.000	0.320	100.0				

6594.8	171.4	171.4	1.991%	3255.0	7000.000	0.320	100.0				
6574.8	171.3	171.3	2.021%	3056.7	-15300.000	0.320	100.0				
6554.8	171.7	171.7	1.891%	3006.0	-15300.000	0.320	100.0				
6534.8	172.2	172.2	1.760%	3006.0	-15300.000	0.320	100.0				
6514.8	172.6	172.6	1.629%	3006.0	-15300.000	0.320	100.0				
6494.8	173.1	173.1	1.499%	3006.0	-15300.000	0.320	100.0				
6474.8	173.5	173.5	1.368%	3006.0	-15300.000	0.320	100.0				
6454.8	174.0	174.0	1.237%	3006.0	-15300.000	0.320	100.0				
6434.8	174.5	174.5	1.106%	3006.0	-15300.000	0.320	100.0				
6414.8	174.9	174.9	0.976%	3006.0	-15300.000	0.320	100.0				
6394.8	175.4	175.4	0.845%	3006.0	-15300.000	0.320	100.0				
6374.8	175.9	175.9	0.714%	3006.0	-15300.000	0.320	100.0				
6354.8	176.4	176.4	0.584%	3006.0	-15300.000	0.320	100.0				
6334.8	176.9	176.9	0.453%	3006.0	-15300.000	0.320	100.0				
6314.8	177.4	177.4	0.322%	3006.0	-15300.000	0.320	100.0				
6294.8	177.9	177.9	0.191%	3006.0	-15300.000	0.320	100.0				
6274.8	178.4	178.4	0.061%	3006.0	-15300.000	0.320	100.0				
6254.8	178.9	178.9	-0.070%	3006.0	-15300.000	0.320	100.0				
6234.8	179.4	179.4	-0.201%	3006.0	-15300.000	0.320	100.0				
6214.8	179.9	179.9	-0.332%	3006.0	-15300.000	0.320	100.0				
6194.8	180.4	180.4	-0.462%	3006.0	-15300.000	0.320	100.0				
6174.8	180.9	180.9	-0.593%	3006.0	-15300.000	0.320	100.0				
6154.8	181.4	181.4	-0.724%	3006.0	-15300.000	0.320	100.0				
6134.8	182.0	182.0	-0.854%	3006.0	-15300.000	0.320	100.0				
6114.8	182.5	182.5	-0.985%	3006.0	-15300.000	0.320	100.0				
6094.8	183.0	183.0	-1.116%	3006.0	-15300.000	0.320	100.0				
6074.8	183.6	183.6	-1.247%	3006.0	-15300.000	0.320	100.0				
6054.8	184.1	184.1	-1.377%	3006.0	-15300.000	0.320	100.0				
6034.8	184.7	184.7	-1.508%	3006.0	-15300.000	0.320	100.0				
6014.8	185.2	185.2	-1.639%	3006.0	-15300.000	0.320	100.0				
5994.8	185.8	185.8	-1.769%	3006.0	-15300.000	0.320	100.0				
5974.8	186.4	186.4	-1.900%	3006.0	-15300.000	0.320	100.0				
5954.8	186.8	186.8	-2.000%	3006.0	0.000	0.320	100.0				
5934.8	186.8	186.8	-2.000%	3006.0	0.000	0.320	100.0				
5914.8	186.8	186.8	-2.000%	3006.0	0.000	0.320	100.0				
5894.8	186.8	186.8	-2.000%	3006.0	0.000	0.320	100.0				
5874.8	186.8	186.8	-2.000%	3006.0	0.000	0.320	100.0				
5854.8	186.8	186.8	-1.997%	3006.0	15300.000	0.320	100.0				
5834.8	186.2	186.2	-1.866%	3006.0	15300.000	0.320	100.0				
5814.8	185.6	185.6	-1.736%	3006.0	15300.000	0.320	100.0				
5794.8	185.1	185.1	-1.605%	3006.0	15300.000	0.320	100.0				
5774.8	184.5	184.5	-1.474%	3006.0	15300.000	0.320	100.0				
5754.8	184.0	184.0	-1.343%	3006.0	15300.000	0.320	100.0				
5734.8	183.4	183.4	-1.213%	3006.0	15300.000	0.320	100.0				
5714.8	182.9	182.9	-1.082%	3006.0	15300.000	0.320	100.0				
5694.8	182.4	182.4	-0.951%	3006.0	15300.000	0.320	100.0				
5674.8	181.8	181.8	-0.821%	3006.0	15300.000	0.320	100.0				
5654.8	181.3	181.3	-0.690%	3006.0	15300.000	0.320	100.0				
5634.8	180.8	180.8	-0.559%	3006.0	15300.000	0.320	100.0				
5614.8	180.3	180.3	-0.428%	3006.0	15300.000	0.320	100.0				
5594.8	179.7	179.7	-0.298%	3006.0	15300.000	0.320	100.0				
5574.8	179.2	179.2	-0.167%	3006.0	15300.000	0.320	100.0				
5554.8	178.7	178.7	-0.036%	3006.0	15300.000	0.320	100.0				
5534.8	178.2	178.2	0.094%	3006.0	15300.000	0.320	100.0				
5514.8	177.7	177.7	0.225%	3006.0	15300.000	0.320	100.0				
5494.8	177.2	177.2	0.356%	3194.1	15300.000	0.320	100.0				
5474.8	176.7	176.7	0.487%	3411.3	15300.000	0.320	100.0				
5454.8	176.7	176.7	0.500%	3660.1	0.000	0.320	100.0				
5434.8	176.7	176.7	0.500%	3948.3							

Actualización 2016

Actualización 2019:



2474.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
2454.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
2434.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
2414.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
2394.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
2374.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
2354.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
2334.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
2314.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
2294.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
2274.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
2254.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
2234.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
2214.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
2194.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
2174.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
2154.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
2134.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
2114.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
2094.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
2074.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
2054.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
2034.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
2014.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
1994.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
1974.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
1954.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0

1934.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
1914.8	176.7	176.7	0.500%	0.0	0.000	0.320	100.0
1894.8	176.7	176.7	0.500%	100006.0	0.000	0.320	100.0
1874.8	176.7	176.7	0.500%	32086.5	0.000	0.320	100.0
1854.8	176.7	176.7	0.500%	16712.5	0.000	0.320	100.0
1834.8	176.7	176.7	0.500%	11300.1	0.000	0.320	100.0
1814.8	176.7	176.7	0.500%	8536.5	0.000	0.320	100.0
1794.8	176.7	176.7	0.500%	6859.4	0.000	0.320	100.0
1774.8	176.7	176.7	0.500%	5733.5	0.000	0.320	100.0
1754.8	176.7	176.7	0.500%	4925.3	0.000	0.320	100.0
1734.8	176.7	176.7	0.500%	4316.9	0.000	0.320	100.0
1714.8	176.7	176.7	0.500%	3842.5	0.000	0.320	100.0
1694.8	176.7	176.7	0.500%	3462.2	0.000	0.320	100.0
1674.8	176.7	176.7	0.500%	3150.4	0.000	0.320	100.0
1654.8	176.7	176.7	0.500%	2890.3	0.000	0.320	100.0
1634.8	176.7	176.7	0.500%	2669.9	0.000	0.320	100.0
1614.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
1594.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
1574.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
1554.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
1534.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
1514.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
1494.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
1474.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
1454.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
1434.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
1414.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
1394.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
1374.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
1354.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
1334.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
1314.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
1294.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
1274.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
1254.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
1234.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
1214.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
1194.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
1174.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
1154.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
1134.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
1114.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
1094.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
1074.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
1054.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
1034.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
1014.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
994.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
974.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
954.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
934.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
914.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
894.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
874.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
854.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
834.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
814.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
794.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
774.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
754.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
734.8	176.7	176.7	0.500%	2506.0	0.000	0.320	100.0
714.8	176.7	176.7	0.500%	2673.6	0.000	0.320	100.0
694.8	176.7	176.7	0.500%	2894.6	0.000	0.320	100.0
674.8	176.7	176.7	0.500%	3155.6	0.000	0.320	100.0
654.8	176.0	176.0	0.685%	3468.4	10000.000	0.320	100.0
634.8	175.3	175.3	0.885%	3850.2	10000.000	0.320	100.0
614.8	174.6	174.6	1.085%	4326.6	10000.000	0.320	100.0
594.8	173.8	173.8	1.285%	4937.9	10000.000	0.320	100.0
574.8	173.1	173.1	1.485%	5750.6	10000.000	0.320	100.0
554.8	172.4	172.4	1.685%	6884.0	10000.000	0.320	100.0
534.8	171.7	171.7	1.885%	8574.5	10000.000	0.320	100.0
514.8	171.1	171.1	2.085%	11366.9	10000.000	0.320	100.0
494.8	170.4	170.4	2.285%	16859.1	10000.000	0.320	100.0
474.8	169.7	169.7	2.485%	32631.3	10000.000	0.320	100.0
454.8	169.1	169.1	2.685%	100006.0	10000.000	0.320	100.0
434.8	168.4	168.4	2.885%	0.0	10000.000	0.320	100.0
414.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
394.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
374.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
354.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
334.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
314.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
294.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
274.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
254.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
234.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
214.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
194.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
174.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
154.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
134.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
114.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
94.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
74.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
54.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0
34.8	168.0	168.0	3.000%	0.0	0.000	0.320	100.0

Actualización 2016



Actualización 2019:



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PROYECTO :

EJE: 21: Alternativa 8 (8 prima)

DATOS DE TRABAJO

Tipo de estudio: Parada.

Tabla de diseño de alzado (.dia): ES_31_IC_rev2018.dia
Fórmula: Distancia de parada = $(V * Tp/3.6) + (V^2 / (254*(F1 + i)))$

Sentido: Normal

Modo: a velocidad fija de 120.0 Km/h
Eje desde PK: 0.000 hasta PK: 14042.052
Estudio desde PK: 0.000 hasta PK: 14042.052

Salto del observador para estudio cada: 5.000 m
Se supone la visibilidad en los primeros: 60.000 m
A partir de ahí se estudia la visibilidad cada: 20.000 m

Ángulo Focos-rasante, en grados: 1.0000
Ángulo de tolerancia horizontal, en grados: 180.0000

El ángulo Focos-rasante mide la desviación de la visual entre observador y referencia con respecto a la línea de máxima iluminación de los focos del vehículo.
El ángulo horizontal mide la desviación de la visual entre observador y referencia con respecto a la tangente a la trayectoria en el pk de estudio.

El estudio se hace entre el punto de vista del observador y el punto de la referencia configurados.

Trayectoria configurada del observador:

- Superficie: 67
- Lado: Derecho
- Código: 1.000
- Distancia al código: 5.000 m hacia el exterior
- Altura: 1.100 m desde Calzada Pral.

Trayectoria configurada de la referencia:

- Superficie: 67
- Lado: Derecho
- Código: 1.000
- Distancia al código: 3.500 m hacia el exterior
- Altura: 0.500 m desde Calzada Pral.

No se han definido barreras visuales

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B

Proyecto original:



Actualización 2019:



6100.000	223.131	223.131	1.234%	1091.000	15000.000	0.350	120.000	6615.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7130.000	222.985	222.985	1.268%	0.000	-12000.000	0.350	120.000
6105.000	222.987	222.987	1.267%	1091.000	15000.000	0.350	120.000	6620.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7135.000	223.165	223.165	1.226%	0.000	-12000.000	0.350	120.000
6110.000	222.844	222.844	1.300%	1091.000	15000.000	0.350	120.000	6625.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7140.000	223.345	223.345	1.184%	0.000	-12000.000	0.350	120.000
6115.000	222.700	222.700	1.334%	1091.000	15000.000	0.350	120.000	6630.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7145.000	223.526	223.526	1.143%	0.000	-12000.000	0.350	120.000
6120.000	222.557	222.557	1.367%	1091.000	15000.000	0.350	120.000	6635.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7150.000	223.707	223.707	1.101%	0.000	-12000.000	0.350	120.000
6125.000	222.415	222.415	1.400%	1091.000	15000.000	0.350	120.000	6640.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7155.000	223.888	223.888	1.059%	0.000	-12000.000	0.350	120.000
6130.000	222.272	222.272	1.434%	1091.000	15000.000	0.350	120.000	6645.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7160.000	224.070	224.070	1.018%	0.000	-12000.000	0.350	120.000
6135.000	222.130	222.130	1.467%	1091.000	15000.000	0.350	120.000	6650.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7165.000	224.252	224.252	0.976%	0.000	-12000.000	0.350	120.000
6140.000	221.988	221.988	1.500%	1091.000	15000.000	0.350	120.000	6655.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7170.000	224.435	224.435	0.934%	0.000	-12000.000	0.350	120.000
6145.000	221.846	221.846	1.534%	1091.000	15000.000	0.350	120.000	6660.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7175.000	224.618	224.618	0.893%	0.000	-12000.000	0.350	120.000
6150.000	221.705	221.705	1.567%	1091.000	15000.000	0.350	120.000	6665.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7180.000	224.802	224.802	0.851%	0.000	-12000.000	0.350	120.000
6155.000	221.564	221.564	1.600%	1091.000	15000.000	0.350	120.000	6670.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7185.000	224.986	224.986	0.809%	0.000	-12000.000	0.350	120.000
6160.000	221.423	221.423	1.634%	1091.000	15000.000	0.350	120.000	6675.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7190.000	225.170	225.170	0.768%	0.000	-12000.000	0.350	120.000
6165.000	221.282	221.282	1.667%	1091.000	15000.000	0.350	120.000	6680.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7195.000	225.355	225.355	0.726%	0.000	-12000.000	0.350	120.000
6170.000	221.142	221.142	1.700%	1091.000	15000.000	0.350	120.000	6685.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7200.000	225.540	225.540	0.684%	0.000	-12000.000	0.350	120.000
6175.000	221.001	221.001	1.734%	1091.000	15000.000	0.350	120.000	6690.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7205.000	225.726	225.726	0.643%	0.000	-12000.000	0.350	120.000
6180.000	220.861	220.861	1.767%	1091.000	15000.000	0.350	120.000	6695.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7210.000	225.912	225.912	0.601%	0.000	-12000.000	0.350	120.000
6185.000	220.722	220.722	1.800%	1091.000	15000.000	0.350	120.000	6700.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7215.000	226.099	226.099	0.559%	0.000	-12000.000	0.350	120.000
6190.000	220.582	220.582	1.834%	1091.000	15000.000	0.350	120.000	6705.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7220.000	226.286	226.286	0.518%	0.000	-12000.000	0.350	120.000
6195.000	220.443	220.443	1.867%	1091.000	15000.000	0.350	120.000	6710.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7225.000	226.473	226.473	0.476%	0.000	-12000.000	0.350	120.000
6200.000	220.304	220.304	1.900%	1091.000	15000.000	0.350	120.000	6715.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7230.000	226.661	226.661	0.434%	0.000	-12000.000	0.350	120.000
6205.000	220.166	220.166	1.934%	1091.000	15000.000	0.350	120.000	6720.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7235.000	226.850	226.850	0.393%	0.000	-12000.000	0.350	120.000
6210.000	220.027	220.027	1.967%	1091.000	15000.000	0.350	120.000	6725.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7240.000	227.038	227.038	0.351%	0.000	-12000.000	0.350	120.000
6215.000	219.889	219.889	2.000%	1091.000	15000.000	0.350	120.000	6730.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7245.000	227.228	227.228	0.309%	0.000	-12000.000	0.350	120.000
6220.000	219.751	219.751	2.034%	1091.000	15000.000	0.350	120.000	6735.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7250.000	227.417	227.417	0.268%	0.000	-12000.000	0.350	120.000
6225.000	219.613	219.613	2.067%	1091.000	15000.000	0.350	120.000	6740.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7255.000	227.608	227.608	0.226%	0.000	-12000.000	0.350	120.000
6230.000	219.476	219.476	2.100%	1091.000	15000.000	0.350	120.000	6745.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7260.000	227.798	227.798	0.184%	0.000	-12000.000	0.350	120.000
6235.000	219.339	219.339	2.134%	1091.000	15000.000	0.350	120.000	6750.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7265.000	227.989	227.989	0.143%	0.000	-12000.000	0.350	120.000
6240.000	219.202	219.202	2.167%	1091.000	15000.000	0.350	120.000	6755.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7270.000	228.181	228.181	0.101%	0.000	-12000.000	0.350	120.000
6245.000	219.065	219.065	2.200%	1091.000	15000.000	0.350	120.000	6760.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7275.000	228.373	228.373	0.059%	0.000	-12000.000	0.350	120.000
6250.000	218.929	218.929	2.234%	1091.000	15000.000	0.350	120.000	6765.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7280.000	228.565	228.565	0.018%	0.000	-12000.000	0.350	120.000
6255.000	218.793	218.793	2.267%	1091.000	15000.000	0.350	120.000	6770.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7285.000	228.758	228.758	-0.024%	0.000	-12000.000	0.350	120.000
6260.000	218.657	218.657	2.300%	1091.000	15000.000	0.350	120.000	6775.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7290.000	228.951	228.951	-0.066%	0.000	-12000.000	0.350	120.000
6265.000	218.521	218.521	2.334%	1091.000	15000.000	0.350	120.000	6780.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7295.000	229.145	229.145	-0.107%	0.000	-12000.000	0.350	120.000
6270.000	218.386	218.386	2.367%	1091.000	15000.000	0.350	120.000	6785.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7300.000	229.339	229.339	-0.149%	0.000	-12000.000	0.350	120.000
6275.000	218.250	218.250	2.400%	1091.000	15000.000	0.350	120.000	6790.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7305.000	229.534	229.534	-0.191%	0.000	-12000.000	0.350	120.000
6280.000	218.115	218.115	2.434%	1091.000	15000.000	0.350	120.000	6795.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7310.000	229.729	229.729	-0.232%	0.000	-12000.000	0.350	120.000
6285.000	217.981	217.981	2.467%	1091.000	15000.000	0.350	120.000	6800.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7315.000	229.925	229.925	-0.274%	0.000	-12000.000	0.350	120.000
6290.000	217.846	217.846	2.500%	1091.000	15000.000	0.350	120.000	6805.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7320.000	230.121	230.121	-0.316%	0.000	-12000.000	0.350	120.000
6295.000	217.712	217.712	2.534%	1091.000	15000.000	0.350	120.000	6810.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7325.000	230.318	230.318	-0.357%	0.000	-12000.000	0.350	120.000
6300.000	217.578	217.578	2.567%	1091.000	15000.000	0.350	120.000	6815.000	212.543	212.543	3.864%	1091.000	0.000	0.350	120.000	7330.000	230.515	230.515	-0.399%	0.000	-12000.000	0.350	120.000
6305.000	217.444	217.444	2.600%	1091.000	15000.000	0.350	120.000	6820.000	212.591	212.591	3.851%	1207.603	-12000.000	0.350	120.000	7335.000	230.712	230.712	-0.441%	0.000	-1		

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



9190.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9705.000	240.990	240.990	-2.478%	791.000	0.000	0.350	120.000	10135.000	220.583	220.583	1.833%	791.000	0.000	0.350	120.000
9195.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9710.000	240.847	240.847	-2.452%	791.000	8500.000	0.350	120.000	10140.000	220.583	220.583	1.833%	791.000	0.000	0.350	120.000
9200.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9715.000	240.533	240.533	-2.393%	791.000	8500.000	0.350	120.000	10145.000	220.583	220.583	1.833%	791.000	0.000	0.350	120.000
9205.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9720.000	240.220	240.220	-2.334%	791.000	8500.000	0.350	120.000	10150.000	220.583	220.583	1.833%	791.000	0.000	0.350	120.000
9210.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9725.000	239.908	239.908	-2.275%	791.000	8500.000	0.350	120.000	10155.000	220.583	220.583	1.833%	791.000	0.000	0.350	120.000
9215.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9730.000	239.597	239.597	-2.216%	791.000	8500.000	0.350	120.000	10160.000	220.583	220.583	1.833%	791.000	0.000	0.350	120.000
9220.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9735.000	239.287	239.287	-2.157%	791.000	8500.000	0.350	120.000	10165.000	220.583	220.583	1.833%	791.000	0.000	0.350	120.000
9225.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9740.000	238.978	238.978	-2.099%	791.000	8500.000	0.350	120.000	10170.000	220.583	220.583	1.833%	791.000	0.000	0.350	120.000
9230.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9745.000	238.671	238.671	-2.040%	791.000	8500.000	0.350	120.000	10175.000	220.583	220.583	1.833%	791.000	0.000	0.350	120.000
9235.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9750.000	238.364	238.364	-1.981%	791.000	8500.000	0.350	120.000	10180.000	220.583	220.583	1.833%	791.000	0.000	0.350	120.000
9240.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9755.000	238.059	238.059	-1.922%	791.000	8500.000	0.350	120.000	10185.000	220.583	220.583	1.833%	791.000	0.000	0.350	120.000
9245.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9760.000	237.755	237.755	-1.863%	791.000	8500.000	0.350	120.000	10190.000	220.583	220.583	1.833%	791.000	0.000	0.350	120.000
9250.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9765.000	237.452	237.452	-1.805%	791.000	8500.000	0.350	120.000	10195.000	220.583	220.583	1.833%	791.000	0.000	0.350	120.000
9255.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9770.000	237.150	237.150	-1.746%	791.000	8500.000	0.350	120.000	10200.000	220.583	220.583	1.833%	804.730	0.000	0.350	120.000
9260.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9775.000	236.849	236.849	-1.687%	791.000	8500.000	0.350	120.000	10205.000	220.583	220.583	1.833%	846.099	0.000	0.350	120.000
9265.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9780.000	236.549	236.549	-1.628%	791.000	8500.000	0.350	120.000	10210.000	220.583	220.583	1.833%	891.899	0.000	0.350	120.000
9270.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9785.000	236.250	236.250	-1.569%	791.000	8500.000	0.350	120.000	10215.000	220.583	220.583	1.833%	942.883	0.000	0.350	120.000
9275.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9790.000	235.952	235.952	-1.510%	791.000	8500.000	0.350	120.000	10220.000	220.583	220.583	1.833%	999.984	0.000	0.350	120.000
9280.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9795.000	235.655	235.655	-1.452%	791.000	8500.000	0.350	120.000	10225.000	220.583	220.583	1.833%	1064.372	0.000	0.350	120.000
9285.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9800.000	235.359	235.359	-1.393%	791.000	8500.000	0.350	120.000	10230.000	220.583	220.583	1.833%	1137.539	0.000	0.350	120.000
9290.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9805.000	235.064	235.064	-1.334%	791.000	8500.000	0.350	120.000	10235.000	220.583	220.583	1.833%	1221.410	0.000	0.350	120.000
9295.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9810.000	234.771	234.771	-1.275%	791.000	8500.000	0.350	120.000	10240.000	220.583	220.583	1.833%	1318.521	0.000	0.350	120.000
9300.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9815.000	234.478	234.478	-1.216%	791.000	8500.000	0.350	120.000	10245.000	220.583	220.583	1.833%	1432.273	0.000	0.350	120.000
9305.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9820.000	234.186	234.186	-1.157%	791.000	8500.000	0.350	120.000	10250.000	220.583	220.583	1.833%	1567.347	0.000	0.350	120.000
9310.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9825.000	233.896	233.896	-1.099%	791.000	8500.000	0.350	120.000	10255.000	220.583	220.583	1.833%	1730.358	0.000	0.350	120.000
9315.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9830.000	233.606	233.606	-1.040%	791.000	8500.000	0.350	120.000	10260.000	220.583	220.583	1.833%	1930.970	0.000	0.350	120.000
9320.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9835.000	233.317	233.317	-0.981%	791.000	8500.000	0.350	120.000	10265.000	220.583	220.583	1.833%	2183.892	0.000	0.350	120.000
9325.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9840.000	233.030	233.030	-0.922%	791.000	8500.000	0.350	120.000	10270.000	220.583	220.583	1.833%	2512.650	0.000	0.350	120.000
9330.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9845.000	232.743	232.743	-0.863%	791.000	8500.000	0.350	120.000	10275.000	220.583	220.583	1.833%	2957.366	0.000	0.350	120.000
9335.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9850.000	232.457	232.457	-0.805%	791.000	8500.000	0.350	120.000	10280.000	220.583	220.583	1.833%	3592.530	0.000	0.350	120.000
9340.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9855.000	232.173	232.173	-0.746%	791.000	8500.000	0.350	120.000	10285.000	220.583	220.583	1.833%	4573.810	0.000	0.350	120.000
9345.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9860.000	231.889	231.889	-0.687%	791.000	8500.000	0.350	120.000	10290.000	220.583	220.583	1.833%	6290.067	0.000	0.350	120.000
9350.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9865.000	231.606	231.606	-0.628%	791.000	8500.000	0.350	120.000	10295.000	220.583	220.583	1.833%	10061.428	0.000	0.350	120.000
9355.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9870.000	231.324	231.324	-0.569%	791.000	8500.000	0.350	120.000	10300.000	220.583	220.583	1.833%	25086.605	0.000	0.350	120.000
9360.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9875.000	231.043	231.043	-0.510%	791.000	8500.000	0.350	120.000	10305.000	220.583	220.583	1.833%	-51015.311	0.000	0.350	120.000
9365.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9880.000	230.764	230.764	-0.452%	791.000	8500.000	0.350	120.000	10310.000	220.583	220.583	1.833%	-12657.869	0.000	0.350	120.000
9370.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9885.000	230.485	230.485	-0.393%	791.000	8500.000	0.350	120.000	10315.000	220.583	220.583	1.833%	-7228.618	0.000	0.350	120.000
9375.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9890.000	230.207	230.207	-0.334%	791.000	8500.000	0.350	120.000	10320.000	220.583	220.583	1.833%	-5060.410	0.000	0.350	120.000
9380.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9895.000	229.930	229.930	-0.275%	791.000	8500.000	0.350	120.000	10325.000	220.583	220.583	1.833%	-3893.739	0.000	0.350	120.000
9385.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9900.000	229.654	229.654	-0.216%	791.000	8500.000	0.350	120.000	10330.000	220.583	220.583	1.833%	-3164.863	0.000	0.350	120.000
9390.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9905.000	229.378	229.378	-0.157%	791.000	8500.000	0.350	120.000	10335.000	220.583	220.583	1.833%	-2666.287	0.000	0.350	120.000
9395.000	240.990	240.990	-2.478%	-809.000	0.000	0.350	120.000	9910.000	229.104	229.104	-0.099%	791.000	8500.000	0.350	120.000	10340.000	220.583	220.583	1.833%	-2303.754	0.000	0.350	120.000
9400.000	240.990	240.990	-2.478%																				

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



10650.000	229.093	229.093	-0.096%	-809.000	-15600.000	0.350	120.000	11165.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11680.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000
10655.000	229.243	229.243	-0.128%	-809.000	-15600.000	0.350	120.000	11170.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11685.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000
10660.000	229.392	229.392	-0.160%	-809.000	-15600.000	0.350	120.000	11175.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11690.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000
10665.000	229.542	229.542	-0.192%	-809.000	-15600.000	0.350	120.000	11180.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11695.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000
10670.000	229.692	229.692	-0.225%	-809.000	-15600.000	0.350	120.000	11185.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11700.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000
10675.000	229.843	229.843	-0.257%	-809.000	-15600.000	0.350	120.000	11190.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11705.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000
10680.000	229.993	229.993	-0.289%	-809.000	-15600.000	0.350	120.000	11195.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11710.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000
10685.000	230.144	230.144	-0.321%	-809.000	-15600.000	0.350	120.000	11200.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11715.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000
10690.000	230.295	230.295	-0.353%	-809.000	-15600.000	0.350	120.000	11205.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11720.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000
10695.000	230.447	230.447	-0.385%	-809.000	-15600.000	0.350	120.000	11210.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11725.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000
10700.000	230.599	230.599	-0.417%	-809.000	-15600.000	0.350	120.000	11215.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11730.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000
10705.000	230.751	230.751	-0.449%	-809.000	-15600.000	0.350	120.000	11220.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11735.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000
10710.000	230.903	230.903	-0.481%	-809.000	-15600.000	0.350	120.000	11225.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11740.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000
10715.000	231.056	231.056	-0.513%	-809.000	-15600.000	0.350	120.000	11230.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11745.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000
10720.000	231.209	231.209	-0.545%	-809.000	-15600.000	0.350	120.000	11235.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11750.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000
10725.000	231.362	231.362	-0.577%	-809.000	-15600.000	0.350	120.000	11240.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11755.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000
10730.000	231.515	231.515	-0.609%	-809.000	-15600.000	0.350	120.000	11245.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11760.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000
10735.000	231.669	231.669	-0.641%	-809.000	-15600.000	0.350	120.000	11250.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11765.000	235.210	235.210	-1.363%	1032.302	0.000	0.350	120.000
10740.000	231.823	231.823	-0.673%	-809.000	-15600.000	0.350	120.000	11255.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11770.000	235.210	235.210	-1.363%	1082.962	0.000	0.350	120.000
10745.000	231.978	231.978	-0.705%	-809.000	-15600.000	0.350	120.000	11260.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11775.000	235.210	235.210	-1.363%	1138.804	0.000	0.350	120.000
10750.000	232.132	232.132	-0.737%	-809.000	-15600.000	0.350	120.000	11265.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11780.000	235.210	235.210	-1.363%	1200.664	0.000	0.350	120.000
10755.000	232.287	232.287	-0.769%	-809.000	-15600.000	0.350	120.000	11270.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11785.000	235.210	235.210	-1.363%	1269.572	0.000	0.350	120.000
10760.000	232.442	232.442	-0.801%	-809.000	-15600.000	0.350	120.000	11275.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11790.000	235.210	235.210	-1.363%	1346.805	0.000	0.350	120.000
10765.000	232.598	232.598	-0.833%	-809.000	-15600.000	0.350	120.000	11280.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11795.000	235.210	235.210	-1.363%	1433.969	0.000	0.350	120.000
10770.000	232.754	232.754	-0.866%	-809.000	-15600.000	0.350	120.000	11285.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11800.000	235.210	235.210	-1.363%	1533.110	0.000	0.350	120.000
10775.000	232.910	232.910	-0.898%	-809.000	-15600.000	0.350	120.000	11290.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11805.000	235.210	235.210	-1.363%	1646.879	0.000	0.350	120.000
10780.000	233.066	233.066	-0.930%	-809.000	-15600.000	0.350	120.000	11295.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11810.000	235.210	235.210	-1.363%	1778.772	0.000	0.350	120.000
10785.000	233.223	233.223	-0.962%	-813.508	-15600.000	0.350	120.000	11300.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11815.000	235.210	235.210	-1.363%	1933.494	0.000	0.350	120.000
10790.000	233.380	233.380	-0.994%	-853.921	-15600.000	0.350	120.000	11305.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11820.000	235.210	235.210	-1.363%	2117.534	0.000	0.350	120.000
10795.000	233.537	233.537	-1.026%	-898.608	-15600.000	0.350	120.000	11310.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11825.000	235.210	235.210	-1.363%	2340.097	0.000	0.350	120.000
10800.000	233.695	233.695	-1.058%	-948.287	-15600.000	0.350	120.000	11315.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11830.000	235.210	235.210	-1.363%	2614.693	0.000	0.350	120.000
10805.000	233.853	233.853	-1.090%	-1003.843	-15600.000	0.350	120.000	11320.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11835.000	235.210	235.210	-1.363%	2961.984	0.000	0.350	120.000
10810.000	234.011	234.011	-1.122%	-1066.383	-15600.000	0.350	120.000	11325.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11840.000	235.210	235.210	-1.363%	3415.242	0.000	0.350	120.000
10815.000	234.169	234.169	-1.154%	-1137.314	-15600.000	0.350	120.000	11330.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11845.000	235.210	235.210	-1.363%	4031.696	0.000	0.350	120.000
10820.000	234.328	234.328	-1.186%	-1218.446	-15600.000	0.350	120.000	11335.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11850.000	235.210	235.210	-1.363%	4918.838	0.000	0.350	120.000
10825.000	234.487	234.487	-1.218%	-1312.149	-15600.000	0.350	120.000	11340.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11855.000	235.210	235.210	-1.363%	6305.112	0.000	0.350	120.000
10830.000	234.646	234.646	-1.250%	-1421.591	-15600.000	0.350	120.000	11345.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11860.000	235.210	235.210	-1.363%	8776.645	0.000	0.350	120.000
10835.000	234.806	234.806	-1.282%	-1551.101	-15600.000	0.350	120.000	11350.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11865.000	235.210	235.210	-1.363%	14427.537	0.000	0.350	120.000
10840.000	234.966	234.966	-1.314%	-1706.756	-15600.000	0.350	120.000	11355.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11870.000	235.210	235.210	-1.363%	40451.711	0.000	0.350	120.000
10845.000	235.126	235.126	-1.346%	-1897.360	-15600.000	0.350	120.000	11360.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11875.000	235.210	235.210	-1.363%	0.000	0.000	0.350	120.000
10850.000	235.210	235.210	-1.363%	-2136.176	0.000	0.350	120.000	11365.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11880.000	235.210	235.210	-1.363%	0.000	0.000	0.350	120.000
10855.000	235.210	235.210	-1.363%	-2444.141	0.000	0.350	120.000	11370.000	235.210	235.210	-1.363%	991.000	0.000	0.350	120.000	11885.000	235.2						

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



12195.000	231.065	231.065	-0.51%	0.000	8500.000	0.350	120.000	12710.000	225.780	225.780	0.631%	-1009.000	-15600.000	0.350	120.000	13225.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12200.000	230.785	230.785	-0.456%	0.000	8500.000	0.350	120.000	12715.000	225.923	225.923	0.598%	-1009.000	-15600.000	0.350	120.000	13230.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12205.000	230.506	230.506	-0.397%	0.000	8500.000	0.350	120.000	12720.000	226.067	226.067	0.566%	-1009.000	-15600.000	0.350	120.000	13235.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12210.000	230.228	230.228	-0.338%	0.000	8500.000	0.350	120.000	12725.000	226.210	226.210	0.534%	-1009.000	-15600.000	0.350	120.000	13240.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12215.000	229.951	229.951	-0.280%	0.000	8500.000	0.350	120.000	12730.000	226.355	226.355	0.502%	-1009.000	-15600.000	0.350	120.000	13245.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12220.000	229.675	229.675	-0.221%	0.000	8500.000	0.350	120.000	12735.000	226.499	226.499	0.470%	-1009.000	-15600.000	0.350	120.000	13250.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12225.000	229.399	229.399	-0.162%	0.000	8500.000	0.350	120.000	12740.000	226.643	226.643	0.438%	-1009.000	-15600.000	0.350	120.000	13255.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12230.000	229.125	229.125	-0.103%	0.000	8500.000	0.350	120.000	12745.000	226.788	226.788	0.406%	-1009.000	-15600.000	0.350	120.000	13260.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12235.000	228.852	228.852	-0.044%	0.000	8500.000	0.350	120.000	12750.000	226.933	226.933	0.374%	-1009.000	-15600.000	0.350	120.000	13265.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12240.000	228.579	228.579	0.015%	0.000	8500.000	0.350	120.000	12755.000	227.079	227.079	0.342%	-1009.000	-15600.000	0.350	120.000	13270.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12245.000	228.308	228.308	0.073%	0.000	8500.000	0.350	120.000	12760.000	227.224	227.224	0.310%	-1009.000	-15600.000	0.350	120.000	13275.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12250.000	228.037	228.037	0.132%	0.000	8500.000	0.350	120.000	12765.000	227.370	227.370	0.278%	-1009.000	-15600.000	0.350	120.000	13280.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12255.000	227.767	227.767	0.191%	0.000	8500.000	0.350	120.000	12770.000	227.516	227.516	0.246%	-1009.000	-15600.000	0.350	120.000	13285.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12260.000	227.498	227.498	0.250%	0.000	8500.000	0.350	120.000	12775.000	227.663	227.663	0.214%	-1009.000	-15600.000	0.350	120.000	13290.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12265.000	227.230	227.230	0.309%	0.000	8500.000	0.350	120.000	12780.000	227.809	227.809	0.182%	-1009.000	-15600.000	0.350	120.000	13295.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12270.000	226.963	226.963	0.367%	0.000	8500.000	0.350	120.000	12785.000	227.956	227.956	0.150%	-1009.000	-15600.000	0.350	120.000	13300.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12275.000	226.697	226.697	0.426%	0.000	8500.000	0.350	120.000	12790.000	228.103	228.103	0.118%	-1009.000	-15600.000	0.350	120.000	13305.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12280.000	226.432	226.432	0.485%	0.000	8500.000	0.350	120.000	12795.000	228.251	228.251	0.086%	-1009.000	-15600.000	0.350	120.000	13310.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12285.000	226.168	226.168	0.544%	0.000	8500.000	0.350	120.000	12800.000	228.399	228.399	0.054%	-1009.000	-15600.000	0.350	120.000	13315.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12290.000	225.904	225.904	0.603%	0.000	8500.000	0.350	120.000	12805.000	228.547	228.547	0.022%	-1009.000	-15600.000	0.350	120.000	13320.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12295.000	225.641	225.641	0.662%	0.000	8500.000	0.350	120.000	12810.000	228.695	228.695	-0.010%	-1009.000	-15600.000	0.350	120.000	13325.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12300.000	225.380	225.380	0.720%	0.000	8500.000	0.350	120.000	12815.000	228.844	228.844	-0.043%	-1009.000	-15600.000	0.350	120.000	13330.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12305.000	225.119	225.119	0.779%	0.000	8500.000	0.350	120.000	12820.000	228.992	228.992	-0.075%	-1009.000	-15600.000	0.350	120.000	13335.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12310.000	224.859	224.859	0.838%	0.000	8500.000	0.350	120.000	12825.000	229.141	229.141	-0.107%	-1009.000	-15600.000	0.350	120.000	13340.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12315.000	224.599	224.599	0.897%	0.000	8500.000	0.350	120.000	12830.000	229.291	229.291	-0.139%	-1009.000	-15600.000	0.350	120.000	13345.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12320.000	224.341	224.341	0.956%	0.000	8500.000	0.350	120.000	12835.000	229.440	229.440	-0.171%	-1009.000	-15600.000	0.350	120.000	13350.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12325.000	224.083	224.083	1.015%	0.000	8500.000	0.350	120.000	12840.000	229.590	229.590	-0.203%	-1046.769	-15600.000	0.350	120.000	13355.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12330.000	223.887	223.887	1.060%	0.000	0.000	0.350	120.000	12845.000	229.741	229.741	-0.235%	-1097.078	-15600.000	0.350	120.000	13360.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12335.000	223.887	223.887	1.060%	0.000	0.000	0.350	120.000	12850.000	229.891	229.891	-0.267%	-1152.512	-15600.000	0.350	120.000	13365.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12340.000	223.887	223.887	1.060%	0.000	0.000	0.350	120.000	12855.000	230.042	230.042	-0.299%	-1213.898	-15600.000	0.350	120.000	13370.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12345.000	223.887	223.887	1.060%	0.000	0.000	0.350	120.000	12860.000	230.193	230.193	-0.331%	-1282.249	-15600.000	0.350	120.000	13375.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12350.000	223.887	223.887	1.060%	0.000	0.000	0.350	120.000	12865.000	230.344	230.344	-0.363%	-1358.389	-15600.000	0.350	120.000	13380.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12355.000	223.887	223.887	1.060%	0.000	0.000	0.350	120.000	12870.000	230.496	230.496	-0.395%	-1445.193	-15600.000	0.350	120.000	13385.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12360.000	223.887	223.887	1.060%	0.000	0.000	0.350	120.000	12875.000	230.648	230.648	-0.427%	-1543.373	-15600.000	0.350	120.000	13390.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12365.000	223.887	223.887	1.060%	0.000	0.000	0.350	120.000	12880.000	230.800	230.800	-0.459%	-1655.962	-15600.000	0.350	120.000	13395.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12370.000	223.887	223.887	1.060%	0.000	0.000	0.350	120.000	12885.000	230.952	230.952	-0.491%	-1786.382	-15600.000	0.350	120.000	13400.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12375.000	223.887	223.887	1.060%	0.000	0.000	0.350	120.000	12890.000	231.105	231.105	-0.523%	-1939.234	-15600.000	0.350	120.000	13405.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12380.000	223.887	223.887	1.060%	0.000	0.000	0.350	120.000	12895.000	231.258	231.258	-0.555%	-2120.849	-15600.000	0.350	120.000	13410.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12385.000	223.887	223.887	1.060%	0.000	0.000	0.350	120.000	12900.000	231.411	231.411	-0.587%	-2340.191	-15600.000	0.350	120.000	13415.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12390.000	223.887	223.887	1.060%	0.000	0.000	0.350	120.000	12905.000	231.565	231.565	-0.619%	-2610.376	-15600.000	0.350	120.000	13420.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12395.000	223.887	223.887	1.060%	0.000	0.000	0.350	120.000	12910.000	231.719	231.719	-0.652%	-2951.400	-15600.000	0.350	120.000	13425.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
12400.000	223.887	223.887	1.060%	0.000	0.000	0.350	120.000	12915.000	231.873	231.873	-0.684%	-3395.327	-15600.000	0.350	120.000	13430.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000</

13740.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13745.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13750.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13755.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13760.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13765.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13770.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13775.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13780.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13785.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13790.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13795.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13800.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13805.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13810.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13815.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13820.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13825.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13830.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13835.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13840.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13845.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13850.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13855.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13860.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13865.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13870.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13875.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13880.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13885.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13890.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13895.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13900.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13905.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13910.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13915.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13920.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13925.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13930.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13935.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13940.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13945.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13950.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13955.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13960.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13965.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13970.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13975.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13980.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13985.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13990.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
13995.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
14000.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
14005.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
14010.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
14015.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
14020.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
14025.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
14030.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000
14035.000	232.015	232.015	-0.713%	0.000	0.000	0.350	120.000

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PROYECTO :
EJE: 21: Alternativa 8 (8 prima)

***** DATOS DE TRABAJO *****

Tipo de estudio: Parada.

Tabla de diseño de alzado (.dia): ES_31_IC_rev2018.dia
Formula: Distancia de parada = (V * Tp/3.6) + (V*V / (254*(F1 + i)))

Sentido: Inverso
Modo: a velocidad fija de 120.0 Km/h
Eje desde PK: 0.000 hasta PK: 14042.052
Estudio desde PK: 0.000 hasta PK: 14042.052

Salto del observador para estudio cada: 5.000 m
Se supone la visibilidad en los primeros: 60.000 m
A partir de ahí se estudia la visibilidad cada: 20.000 m

Ángulo Focos-rasante, en grados: 1.0000
Ángulo de tolerancia horizontal, en grados: 180.0000

El ángulo Focos-rasante mide la desviación de la visual entre observador y referencia con respecto a la línea de máxima iluminación de los focos del vehículo.
El ángulo horizontal mide la desviación de la visual entre observador y referencia con respecto a la tangente a la trayectoria en el pk de estudio.

El estudio se hace entre el punto de vista del observador y el punto de la referencia configurados.

Trayectoria configurada del observador:
- Superficie: 67
- Lado: Derecho
- Código: 1.000
- Distancia al código: 5.000 m hacia el exterior
- Altura: 1.100 m desde Calzada Pral.

Trayectoria configurada de la referencia:
- Superficie: 67
- Lado: Derecho
- Código: 1.000
- Distancia al código: 3.500 m hacia el exterior
- Altura: 0.500 m desde Calzada Pral.

No se han definido barreras visuales

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:



Actualización 2019:



11027.052	222.575	222.575	1.363%	1009.000	0.000	0.350	120.000	10512.052	232.377	232.377	-0.788%	-791.000	-15600.000	0.350	120.000	9997.052	233.046	233.046	-0.926%	809.000	8500.000	0.350	120.000
11022.052	222.575	222.575	1.363%	1009.000	0.000	0.350	120.000	10507.052	232.533	232.533	-0.820%	-791.000	-15600.000	0.350	120.000	9992.052	232.759	232.759	-0.867%	809.000	8500.000	0.350	120.000
11017.052	222.575	222.575	1.363%	1009.000	0.000	0.350	120.000	10502.052	232.688	232.688	-0.852%	-791.000	-15600.000	0.350	120.000	9987.052	232.474	232.474	-0.808%	809.000	8500.000	0.350	120.000
11012.052	222.575	222.575	1.363%	1009.000	0.000	0.350	120.000	10497.052	232.844	232.844	-0.884%	-791.000	-15600.000	0.350	120.000	9982.052	232.189	232.189	-0.749%	809.000	8500.000	0.350	120.000
11007.052	222.575	222.575	1.363%	1009.000	0.000	0.350	120.000	10492.052	233.000	233.000	-0.916%	-791.000	-15600.000	0.350	120.000	9977.052	231.905	231.905	-0.690%	809.000	8500.000	0.350	120.000
11002.052	222.575	222.575	1.363%	1009.000	0.000	0.350	120.000	10487.052	233.157	233.157	-0.948%	-791.000	-15600.000	0.350	120.000	9972.052	231.622	231.622	-0.631%	809.000	8500.000	0.350	120.000
10997.052	222.575	222.575	1.363%	1052.796	0.000	0.350	120.000	10482.052	233.314	233.314	-0.980%	-791.000	-15600.000	0.350	120.000	9967.052	231.340	231.340	-0.573%	809.000	8500.000	0.350	120.000
10992.052	222.575	222.575	1.363%	1103.705	0.000	0.350	120.000	10477.052	233.471	233.471	-1.012%	-791.000	-15600.000	0.350	120.000	9962.052	231.059	231.059	-0.514%	809.000	8500.000	0.350	120.000
10987.052	222.575	222.575	1.363%	1159.834	0.000	0.350	120.000	10472.052	233.628	233.628	-1.044%	-791.000	-15600.000	0.350	120.000	9957.052	230.780	230.780	-0.455%	809.000	8500.000	0.350	120.000
10982.052	222.575	222.575	1.363%	1222.031	0.000	0.350	120.000	10467.052	233.786	233.786	-1.076%	-791.000	-15600.000	0.350	120.000	9952.052	230.501	230.501	-0.396%	809.000	8500.000	0.350	120.000
10977.052	222.575	222.575	1.363%	1291.334	0.000	0.350	120.000	10462.052	233.944	233.944	-1.108%	-791.000	-15600.000	0.350	120.000	9947.052	230.223	230.223	-0.337%	809.000	8500.000	0.350	120.000
10972.052	222.575	222.575	1.363%	1369.036	0.000	0.350	120.000	10457.052	234.103	234.103	-1.141%	-791.000	-15600.000	0.350	120.000	9942.052	229.945	229.945	-0.278%	809.000	8500.000	0.350	120.000
10967.052	222.575	222.575	1.363%	1456.762	0.000	0.350	120.000	10452.052	234.261	234.261	-1.173%	-791.000	-15600.000	0.350	120.000	9937.052	229.669	229.669	-0.220%	809.000	8500.000	0.350	120.000
10962.052	222.575	222.575	1.363%	1556.585	0.000	0.350	120.000	10447.052	234.420	234.420	-1.205%	-791.000	-15600.000	0.350	120.000	9932.052	229.394	229.394	-0.161%	809.000	8500.000	0.350	120.000
10957.052	222.575	222.575	1.363%	1671.193	0.000	0.350	120.000	10442.052	234.579	234.579	-1.237%	-791.000	-15600.000	0.350	120.000	9927.052	229.120	229.120	-0.102%	809.000	8500.000	0.350	120.000
10952.052	222.575	222.575	1.363%	1804.134	0.000	0.350	120.000	10437.052	234.739	234.739	-1.269%	-791.000	-15600.000	0.350	120.000	9922.052	228.846	228.846	-0.043%	809.000	8500.000	0.350	120.000
10947.052	222.575	222.575	1.363%	1960.189	0.000	0.350	120.000	10432.052	234.899	234.899	-1.301%	-791.000	-15600.000	0.350	120.000	9917.052	228.574	228.574	0.016%	809.000	8500.000	0.350	120.000
10942.052	222.575	222.575	1.363%	2145.959	0.000	0.350	120.000	10427.052	235.059	235.059	-1.333%	-791.000	-15600.000	0.350	120.000	9912.052	228.302	228.302	0.074%	809.000	8500.000	0.350	120.000
10937.052	222.575	222.575	1.363%	2370.826	0.000	0.350	120.000	10422.052	235.219	235.219	-1.365%	-791.000	-15600.000	0.350	120.000	9907.052	228.032	228.032	0.133%	809.000	8500.000	0.350	120.000
10932.052	222.575	222.575	1.363%	2648.581	0.000	0.350	120.000	10417.052	235.380	235.380	-1.397%	-791.000	-15600.000	0.350	120.000	9902.052	227.762	227.762	0.192%	809.000	8500.000	0.350	120.000
10927.052	222.575	222.575	1.363%	3000.374	0.000	0.350	120.000	10412.052	235.541	235.541	-1.429%	-791.000	-15600.000	0.350	120.000	9897.052	227.493	227.493	0.251%	809.000	8500.000	0.350	120.000
10922.052	222.575	222.575	1.363%	3460.355	0.000	0.350	120.000	10407.052	235.703	235.703	-1.461%	-801.985	-15600.000	0.350	120.000	9892.052	227.225	227.225	0.310%	809.000	8500.000	0.350	120.000
10917.052	222.575	222.575	1.363%	4087.505	0.000	0.350	120.000	10402.052	235.864	235.864	-1.493%	-843.068	-15600.000	0.350	120.000	9887.052	226.958	226.958	0.369%	809.000	8500.000	0.350	120.000
10912.052	222.575	222.575	1.363%	4993.187	0.000	0.350	120.000	10397.052	236.026	236.026	-1.525%	-888.536	-15600.000	0.350	120.000	9882.052	226.692	226.692	0.427%	809.000	8500.000	0.350	120.000
10907.052	222.575	222.575	1.363%	6415.923	0.000	0.350	120.000	10392.052	236.189	236.189	-1.557%	-939.129	-15600.000	0.350	120.000	9877.052	226.427	226.427	0.486%	809.000	8500.000	0.350	120.000
10902.052	222.575	222.575	1.363%	8975.372	0.000	0.350	120.000	10387.052	236.351	236.351	-1.589%	-995.767	-15600.000	0.350	120.000	9872.052	226.162	226.162	0.545%	809.000	8500.000	0.350	120.000
10897.052	222.575	222.575	1.363%	14940.062	0.000	0.350	120.000	10382.052	236.514	236.514	-1.621%	-1059.601	-15600.000	0.350	120.000	9867.052	225.899	225.899	0.604%	809.000	8500.000	0.350	120.000
10892.052	222.575	222.575	1.363%	44609.809	0.000	0.350	120.000	10377.052	236.678	236.678	-1.653%	-1132.097	-15600.000	0.350	120.000	9862.052	225.636	225.636	0.663%	809.000	8500.000	0.350	120.000
10887.052	222.575	222.575	1.363%	-33850.545	0.000	0.350	120.000	10372.052	236.841	236.841	-1.685%	-1215.145	-15600.000	0.350	120.000	9857.052	225.375	225.375	0.722%	809.000	8500.000	0.350	120.000
10882.052	222.575	222.575	1.363%	-11228.622	0.000	0.350	120.000	10367.052	237.005	237.005	-1.717%	-1311.230	-15600.000	0.350	120.000	9852.052	225.114	225.114	0.780%	809.000	8500.000	0.350	120.000
10877.052	222.575	222.575	1.363%	-6727.736	0.000	0.350	120.000	10362.052	237.169	237.169	-1.750%	-1423.684	-15600.000	0.350	120.000	9847.052	224.854	224.854	0.839%	809.000	8500.000	0.350	120.000
10872.052	222.575	222.575	1.363%	-4801.170	0.000	0.350	120.000	10357.052	237.334	237.334	-1.782%	-1557.034	-15600.000	0.350	120.000	9842.052	224.594	224.594	0.897%	809.000	8500.000	0.350	120.000
10867.052	222.575	222.575	1.363%	-3731.473	0.000	0.350	120.000	10352.052	237.499	237.499	-1.814%	-1717.863	-15600.000	0.350	120.000	9837.052	224.336	224.336	0.957%	809.000	8500.000	0.350	120.000
10862.052	222.575	222.575	1.363%	-3050.986	0.000	0.350	120.000	10347.052	237.661	237.661	-1.833%	-1915.440	0.000	0.350	120.000	9832.052	224.078	224.078	1.016%	809.000	8500.000	0.350	120.000
10857.052	222.575	222.575	1.363%	-2579.984	0.000	0.350	120.000	10342.052	237.823	237.823	-1.833%	-2164.070	0.000	0.350	120.000	9827.052	223.822	223.822	1.074%	809.000	8500.000	0.350	120.000
10852.052	222.575	222.575	1.363%	-2234.637	0.000	0.350	120.000	10337.052	237.985	237.985	-1.833%	-2486.474	0.000	0.350	120.000	9822.052	223.566	223.566	1.133%	809.000	8500.000	0.350	120.000
10847.052	222.590	222.590	1.359%	-1970.579	-15600.000	0.350	120.000	10332.052	238.147	238.147	-1.833%	-2921.210	0.000	0.350	120.000	9817.052	223.311	223.311	1.192%	809.000	8500.000	0.350	120.000
10842.052	222.728	222.728	1.327%	-1762.131	-15600.000	0.350	120.000	10327.052	238.310	238.310	-1.833%	-3539.371	0.000	0.350	120.000	9812.052	223.057	223.057	1.251%	809.000	8500.000	0.350	120.000
10837.052	222.865	222.865	1.295%	-1593.400	-15600.000	0.350	120.000	10322.052	238.473	238.473	-1.833%	-4488.082	0.000	0.350	120.000	9807.052	222.803	222.803	1.310%	809.000	8500.000	0.350	120.000
10832.052	223.004	223.004	1.263%	-1454.021	-15600.000	0.350	120.000	10317.052	238.636	238.636	-1.833%	-6129.232	0.000	0.350	120.000	9802.052	222.551	222.551	1.369%	809.000	8500.000	0.350	120.000
10827.052	223.142	223.142	1.231%	-1336.949	-15600.000	0.350	120.000	10312.052	238.799	238.799	-1.833%	-9656.541	0.000	0.350	120.000	9797.052	222.299	222.299	1.427%	809.000	8500.000	0.350	120.000
10822.052	223.280	223.280	1.199%	-1237.225	-15600.000	0.350	120.000	10307.052	238.961	238.961	-1.833%	-227											

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B

Proyecto original:



Actualización 2019:



Actualización 2016

7937.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7422.052	223.423	223.423	1.166%	0.000	-12000.000	0.350	120.000	6907.052	244.530	244.530	-3.125%	5383.061	-12000.000	0.350	120.000
7932.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7417.052	223.604	223.604	1.125%	0.000	-12000.000	0.350	120.000	6902.052	244.762	244.762	-3.167%	4501.322	-12000.000	0.350	120.000
7927.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7412.052	223.785	223.785	1.083%	0.000	-12000.000	0.350	120.000	6897.052	244.996	244.996	-3.209%	3868.141	-12000.000	0.350	120.000
7922.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7407.052	223.967	223.967	1.041%	0.000	-12000.000	0.350	120.000	6892.052	245.230	245.230	-3.250%	3391.400	-12000.000	0.350	120.000
7917.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7402.052	224.149	224.149	1.000%	0.000	-12000.000	0.350	120.000	6887.052	245.464	245.464	-3.292%	3019.497	-12000.000	0.350	120.000
7912.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7397.052	224.332	224.332	0.958%	0.000	-12000.000	0.350	120.000	6882.052	245.700	245.700	-3.334%	2721.276	-12000.000	0.350	120.000
7907.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7392.052	224.515	224.515	0.916%	0.000	-12000.000	0.350	120.000	6877.052	245.936	245.936	-3.375%	2476.813	-12000.000	0.350	120.000
7902.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7387.052	224.698	224.698	0.875%	0.000	-12000.000	0.350	120.000	6872.052	246.172	246.172	-3.417%	2272.775	-12000.000	0.350	120.000
7897.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7382.052	224.882	224.882	0.833%	0.000	-12000.000	0.350	120.000	6867.052	246.409	246.409	-3.459%	2099.899	-12000.000	0.350	120.000
7892.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7377.052	225.066	225.066	0.791%	0.000	-12000.000	0.350	120.000	6862.052	246.647	246.647	-3.500%	1951.554	-12000.000	0.350	120.000
7887.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7372.052	225.250	225.250	0.750%	0.000	-12000.000	0.350	120.000	6857.052	246.885	246.885	-3.542%	1822.864	-12000.000	0.350	120.000
7882.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7367.052	225.435	225.435	0.708%	0.000	-12000.000	0.350	120.000	6852.052	247.124	247.124	-3.584%	1710.166	-12000.000	0.350	120.000
7877.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7362.052	225.621	225.621	0.666%	0.000	-12000.000	0.350	120.000	6847.052	247.364	247.364	-3.625%	1610.653	-12000.000	0.350	120.000
7872.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7357.052	225.807	225.807	0.625%	0.000	-12000.000	0.350	120.000	6842.052	247.604	247.604	-3.667%	1522.138	-12000.000	0.350	120.000
7867.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7352.052	225.993	225.993	0.583%	0.000	-12000.000	0.350	120.000	6837.052	247.845	247.845	-3.709%	1442.895	-12000.000	0.350	120.000
7862.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7347.052	226.180	226.180	0.541%	0.000	-12000.000	0.350	120.000	6832.052	248.087	248.087	-3.750%	1371.539	-12000.000	0.350	120.000
7857.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7342.052	226.367	226.367	0.500%	0.000	-12000.000	0.350	120.000	6827.052	248.329	248.329	-3.792%	1306.948	-12000.000	0.350	120.000
7852.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7337.052	226.555	226.555	0.458%	0.000	-12000.000	0.350	120.000	6822.052	248.572	248.572	-3.834%	1248.203	-12000.000	0.350	120.000
7847.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7332.052	226.743	226.743	0.416%	0.000	-12000.000	0.350	120.000	6817.052	248.815	248.815	-3.876%	1194.546	0.000	0.350	120.000
7842.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7327.052	226.932	226.932	0.375%	0.000	-12000.000	0.350	120.000	6812.052	249.058	249.058	-3.918%	1145.443	0.000	0.350	120.000
7837.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7322.052	227.121	227.121	0.333%	0.000	-12000.000	0.350	120.000	6807.052	249.301	249.301	-3.960%	1099.000	0.000	0.350	120.000
7832.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7317.052	227.310	227.310	0.291%	0.000	-12000.000	0.350	120.000	6802.052	249.544	249.544	-4.002%	1059.000	0.000	0.350	120.000
7827.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7312.052	227.500	227.500	0.250%	0.000	-12000.000	0.350	120.000	6797.052	249.787	249.787	-4.044%	1019.000	0.000	0.350	120.000
7822.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7307.052	227.690	227.690	0.208%	0.000	-12000.000	0.350	120.000	6792.052	250.030	250.030	-4.086%	979.000	0.000	0.350	120.000
7817.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7302.052	227.881	227.881	0.166%	0.000	-12000.000	0.350	120.000	6787.052	250.273	250.273	-4.128%	939.000	0.000	0.350	120.000
7812.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7297.052	228.072	228.072	0.125%	0.000	-12000.000	0.350	120.000	6782.052	250.516	250.516	-4.170%	899.000	0.000	0.350	120.000
7807.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7292.052	228.264	228.264	0.083%	0.000	-12000.000	0.350	120.000	6777.052	250.759	250.759	-4.212%	859.000	0.000	0.350	120.000
7802.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7287.052	228.456	228.456	0.041%	0.000	-12000.000	0.350	120.000	6772.052	251.002	251.002	-4.254%	819.000	0.000	0.350	120.000
7797.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7282.052	228.649	228.649	-0.000%	0.000	-12000.000	0.350	120.000	6767.052	251.245	251.245	-4.296%	779.000	0.000	0.350	120.000
7792.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7277.052	228.842	228.842	-0.042%	0.000	-12000.000	0.350	120.000	6762.052	251.488	251.488	-4.338%	739.000	0.000	0.350	120.000
7787.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7272.052	229.035	229.035	-0.084%	0.000	-12000.000	0.350	120.000	6757.052	251.731	251.731	-4.380%	699.000	0.000	0.350	120.000
7782.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7267.052	229.229	229.229	-0.126%	0.000	-12000.000	0.350	120.000	6752.052	251.974	251.974	-4.422%	659.000	0.000	0.350	120.000
7777.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7262.052	229.424	229.424	-0.167%	0.000	-12000.000	0.350	120.000	6747.052	252.217	252.217	-4.464%	619.000	0.000	0.350	120.000
7772.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7257.052	229.619	229.619	-0.209%	0.000	-12000.000	0.350	120.000	6742.052	252.460	252.460	-4.506%	579.000	0.000	0.350	120.000
7767.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7252.052	229.814	229.814	-0.250%	0.000	-12000.000	0.350	120.000	6737.052	252.703	252.703	-4.548%	539.000	0.000	0.350	120.000
7762.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7247.052	230.010	230.010	-0.292%	0.000	-12000.000	0.350	120.000	6732.052	252.946	252.946	-4.590%	499.000	0.000	0.350	120.000
7757.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7242.052	230.206	230.206	-0.334%	0.000	-12000.000	0.350	120.000	6727.052	253.189	253.189	-4.632%	459.000	0.000	0.350	120.000
7752.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7237.052	230.403	230.403	-0.375%	0.000	-12000.000	0.350	120.000	6722.052	253.432	253.432	-4.674%	419.000	0.000	0.350	120.000
7747.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7232.052	230.600	230.600	-0.417%	0.000	-12000.000	0.350	120.000	6717.052	253.675	253.675	-4.716%	379.000	0.000	0.350	120.000
7742.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7227.052	230.798	230.798	-0.459%	0.000	-12000.000	0.350	120.000	6712.052	253.918	253.918	-4.758%	339.000	0.000	0.350	120.000
7737.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7222.052	230.996	230.996	-0.500%	0.000	-12000.000	0.350	120.000	6707.052	254.161	254.161	-4.800%	299.000	0.000	0.350	120.000
7732.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7217.052	231.195	231.195	-0.542%	0.000	-12000.000	0.350	120.000	6702.052	254.404	254.404	-4.842%	259.000	0.000	0.350	120.000
7727.052	217.935	217.935	2.478%	0.000	0.000	0.350	120.000	7212.052	231.394	231.394	-0.584%	0.000	-12000.000	0									

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:



Actualización 2019:



4847.052	233.143	233.143	-0.945%	0.000	0.000	0.350	120.000	4332.052	234.296	234.296	-1.180%	-891.000	-30000.000	0.350	120.000	3817.052	236.524	236.524	-1.623%	-12451.913	0.000	0.350	120.000
4842.052	233.143	233.143	-0.945%	0.000	0.000	0.350	120.000	4327.052	234.378	234.378	-1.196%	-891.000	-30000.000	0.350	120.000	3812.052	236.524	236.524	-1.623%	-35424.595	0.000	0.350	120.000
4837.052	233.143	233.143	-0.945%	0.000	0.000	0.350	120.000	4322.052	234.461	234.461	-1.213%	-891.000	-30000.000	0.350	120.000	3807.052	236.524	236.524	-1.623%	36767.847	0.000	0.350	120.000
4832.052	233.143	233.143	-0.945%	0.000	0.000	0.350	120.000	4317.052	234.544	234.544	-1.230%	-891.000	-30000.000	0.350	120.000	3802.052	236.524	236.524	-1.623%	11548.700	0.000	0.350	120.000
4827.052	233.143	233.143	-0.945%	0.000	0.000	0.350	120.000	4312.052	234.627	234.627	-1.246%	-891.000	-30000.000	0.350	120.000	3797.052	236.524	236.524	-1.623%	6853.140	0.000	0.350	120.000
4822.052	233.143	233.143	-0.945%	0.000	0.000	0.350	120.000	4307.052	234.710	234.710	-1.263%	-891.000	-30000.000	0.350	120.000	3792.052	236.524	236.524	-1.623%	4873.678	0.000	0.350	120.000
4817.052	233.143	233.143	-0.945%	0.000	0.000	0.350	120.000	4302.052	234.793	234.793	-1.280%	-891.000	-30000.000	0.350	120.000	3787.052	236.524	236.524	-1.623%	3782.350	0.000	0.350	120.000
4812.052	233.143	233.143	-0.945%	0.000	0.000	0.350	120.000	4297.052	234.876	234.876	-1.296%	-891.000	-30000.000	0.350	120.000	3782.052	236.524	236.524	-1.623%	3090.954	0.000	0.350	120.000
4807.052	233.143	233.143	-0.945%	0.000	0.000	0.350	120.000	4292.052	234.959	234.959	-1.313%	-891.000	-30000.000	0.350	120.000	3777.052	236.524	236.524	-1.623%	2613.692	0.000	0.350	120.000
4802.052	233.143	233.143	-0.945%	0.000	0.000	0.350	120.000	4287.052	235.043	235.043	-1.330%	-891.000	-30000.000	0.350	120.000	3772.052	236.524	236.524	-1.623%	2264.424	0.000	0.350	120.000
4797.052	233.143	233.143	-0.945%	0.000	0.000	0.350	120.000	4282.052	235.126	235.126	-1.346%	-891.000	-30000.000	0.350	120.000	3767.052	236.524	236.524	-1.623%	1997.749	0.000	0.350	120.000
4792.052	233.143	233.143	-0.945%	0.000	0.000	0.350	120.000	4277.052	235.209	235.209	-1.363%	-891.000	-30000.000	0.350	120.000	3762.052	236.524	236.524	-1.623%	1787.468	0.000	0.350	120.000
4787.052	233.143	233.143	-0.945%	0.000	0.000	0.350	120.000	4272.052	235.293	235.293	-1.380%	-891.000	-30000.000	0.350	120.000	3757.052	236.524	236.524	-1.623%	1617.403	0.000	0.350	120.000
4782.052	233.143	233.143	-0.945%	0.000	0.000	0.350	120.000	4267.052	235.377	235.377	-1.396%	-891.000	-30000.000	0.350	120.000	3752.052	236.524	236.524	-1.623%	1477.024	0.000	0.350	120.000
4777.052	233.143	233.143	-0.945%	0.000	0.000	0.350	120.000	4262.052	235.460	235.460	-1.413%	-891.000	-30000.000	0.350	120.000	3747.052	236.524	236.524	-1.623%	1359.182	0.000	0.350	120.000
4772.052	233.143	233.143	-0.945%	0.000	0.000	0.350	120.000	4257.052	235.544	235.544	-1.430%	-891.000	-30000.000	0.350	120.000	3742.052	236.524	236.524	-1.623%	1258.854	0.000	0.350	120.000
4767.052	233.143	233.143	-0.945%	0.000	0.000	0.350	120.000	4252.052	235.628	235.628	-1.446%	-891.000	-30000.000	0.350	120.000	3737.052	236.524	236.524	-1.623%	1172.404	0.000	0.350	120.000
4762.052	233.143	233.143	-0.945%	0.000	0.000	0.350	120.000	4247.052	235.712	235.712	-1.463%	-891.000	-30000.000	0.350	120.000	3732.052	236.524	236.524	-1.623%	1097.139	0.000	0.350	120.000
4757.052	233.143	233.143	-0.945%	0.000	0.000	0.350	120.000	4242.052	235.796	235.796	-1.480%	-891.000	-30000.000	0.350	120.000	3727.052	236.524	236.524	-1.623%	1031.022	0.000	0.350	120.000
4752.052	233.143	233.143	-0.945%	0.000	0.000	0.350	120.000	4237.052	235.880	235.880	-1.496%	-891.000	-30000.000	0.350	120.000	3722.052	236.524	236.524	-1.623%	972.478	0.000	0.350	120.000
4747.052	233.143	233.143	-0.945%	0.000	0.000	0.350	120.000	4232.052	235.964	235.964	-1.513%	-891.000	-30000.000	0.350	120.000	3717.052	236.524	236.524	-1.623%	920.279	0.000	0.350	120.000
4742.052	233.143	233.143	-0.945%	0.000	0.000	0.350	120.000	4227.052	236.049	236.049	-1.530%	-891.000	-30000.000	0.350	120.000	3712.052	236.524	236.524	-1.623%	873.445	0.000	0.350	120.000
4737.052	233.143	233.143	-0.945%	0.000	0.000	0.350	120.000	4222.052	236.133	236.133	-1.546%	-891.000	-30000.000	0.350	120.000	3707.052	236.524	236.524	-1.623%	831.189	0.000	0.350	120.000
4732.052	233.143	233.143	-0.945%	0.000	0.000	0.350	120.000	4217.052	236.218	236.218	-1.563%	-891.000	-30000.000	0.350	120.000	3702.052	236.524	236.524	-1.623%	809.000	0.000	0.350	120.000
4727.052	233.143	233.143	-0.945%	0.000	0.000	0.350	120.000	4212.052	236.302	236.302	-1.580%	-891.000	-30000.000	0.350	120.000	3697.052	236.524	236.524	-1.623%	809.000	0.000	0.350	120.000
4722.052	233.143	233.143	-0.945%	0.000	0.000	0.350	120.000	4207.052	236.387	236.387	-1.596%	-891.000	-30000.000	0.350	120.000	3692.052	236.524	236.524	-1.623%	809.000	0.000	0.350	120.000
4717.052	233.143	233.143	-0.945%	0.000	0.000	0.350	120.000	4202.052	236.471	236.471	-1.613%	-891.000	-30000.000	0.350	120.000	3687.052	236.524	236.524	-1.623%	809.000	0.000	0.350	120.000
4712.052	233.143	233.143	-0.945%	0.000	0.000	0.350	120.000	4197.052	236.524	236.524	-1.623%	-891.000	0.000	0.350	120.000	3682.052	236.524	236.524	-1.623%	809.000	0.000	0.350	120.000
4707.052	233.143	233.143	-0.945%	0.000	0.000	0.350	120.000	4192.052	236.524	236.524	-1.623%	-891.000	0.000	0.350	120.000	3677.052	236.524	236.524	-1.623%	809.000	0.000	0.350	120.000
4702.052	233.143	233.143	-0.945%	0.000	0.000	0.350	120.000	4187.052	236.524	236.524	-1.623%	-891.000	0.000	0.350	120.000	3672.052	236.524	236.524	-1.623%	809.000	0.000	0.350	120.000
4697.052	233.143	233.143	-0.945%	0.000	0.000	0.350	120.000	4182.052	236.524	236.524	-1.623%	-891.000	0.000	0.350	120.000	3667.052	236.524	236.524	-1.623%	809.000	0.000	0.350	120.000
4692.052	233.143	233.143	-0.945%	0.000	0.000	0.350	120.000	4177.052	236.524	236.524	-1.623%	-891.000	0.000	0.350	120.000	3662.052	236.524	236.524	-1.623%	809.000	0.000	0.350	120.000
4687.052	233.143	233.143	-0.945%	0.000	0.000	0.350	120.000	4172.052	236.524	236.524	-1.623%	-891.000	0.000	0.350	120.000	3657.052	236.524	236.524	-1.623%	809.000	0.000	0.350	120.000
4682.052	233.143	233.143	-0.945%	-195857.062	0.000	0.350	120.000	4167.052	236.524	236.524	-1.623%	-891.000	0.000	0.350	120.000	3652.052	236.524	236.524	-1.623%	809.000	0.000	0.350	120.000
4677.052	233.143	233.143	-0.945%	-17493.509	0.000	0.350	120.000	4162.052	236.524	236.524	-1.623%	-891.000	0.000	0.350	120.000	3647.052	236.524	236.524	-1.623%	809.000	0.000	0.350	120.000
4672.052	233.143	233.143	-0.945%	-9151.546	0.000	0.350	120.000	4157.052	236.524	236.524	-1.623%	-891.000	0.000	0.350	120.000	3642.052	236.524	236.524	-1.623%	809.000	0.000	0.350	120.000
4667.052	233.143	233.143	-0.945%	-6194.746	0.000	0.350	120.000	4152.052	236.524	236.524	-1.623%	-891.000	0.000	0.350	120.000	3637.052	236.524	236.524	-1.623%	809.000	0.000	0.350	120.000
4662.052	233.143	233.143	-0.945%	-4680.946	0.000	0.350	120.000	4147.052	236.524	236.524	-1.623%	-891.000	0.000	0.350	120.000	3632.052	236.524	236.524	-1.623%	809.000	0.000	0.350	120.000
4657.052	233.143	233.143	-0.945%	-3761.011	0.000	0.350	120.000	4142.052	236.524	236.524	-1.623%	-891.000	0.000	0.350	120.000	3627.052	236.524	236.524	-1.623%	809.000	0.000	0.350	120.000
4652.052	233.143	233.143	-0.945%	-3142.787	0.000	0.350	120.000	4137.052	236.524	236.524	-1.623%	-891.000	0.000	0.350	120.000	3622.052	236.524	236.524	-1.623%	809.000	0.000	0.350	120.000
4647.052	233.143	233.143	-0.945%	-2698.756	0.000	0.350	120.000	4132.052	236.524	236.524	-1.623%	-891.000	0.000	0.350	120.000	3617.052	236.524	236.524	-1.623%	809.000	0.000	0.350	120.000
4642.052	233.143	233.143	-0.945%	-2364.388	0.000	0.350	120.000	4127.052	236.524	236.524	-1.623%	-891.000	0.000	0.350	120.000	3612.052	236.524	236.524	-1.623%	809.000	0.000	0.350	120.000
4637.052	233.143	233.143	-0.945%	-2103.522	0.000	0.350	120.000	4122.052	236.524	236.524	-1.623%	-891.000	0.000	0.350	120.000	3607.052	236.524	23					

212.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
207.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
202.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
197.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
192.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
187.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
182.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
177.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
172.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
167.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
162.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
157.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
152.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
147.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
142.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
137.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
132.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
127.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
122.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
117.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
112.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
107.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
102.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
97.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
92.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
87.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
82.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
77.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
72.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
67.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
62.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
57.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
52.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
47.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
42.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
37.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
32.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
27.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
22.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
17.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
12.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000
7.052	231.126	231.126	-0.528%	-4991.000	0.000	0.350	120.000

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 PROYECTO :
EJE: 19: Alternativa 9

 DATOS DE TRABAJO

Tipo de estudio: Parada.

Tabla de diseño de alzado (.dia): ES_31_IC_rev2018.dia
 Fórmula: Distancia de parada = $(V * Tp/3.6) + (V^2 / (254*(F1 + i)))$

Sentido: Normal

Modo: a velocidad fija de 120.0 Km/h
 Eje desde PK: 0.000 hasta PK: 13922.412
 Estudio desde PK: 0.000 hasta PK: 13922.412

Salto del observador para estudio cada: 5.000 m
 Se supone la visibilidad en los primeros: 60.000 m
 A partir de ahí se estudia la visibilidad cada: 20.000 m

Ángulo Focos-rasante, en grados: 1.0000
 Ángulo de tolerancia horizontal, en grados: 180.0000

El ángulo Focos-rasante mide la desviación de la visual entre observador y referencia con respecto a la línea de máxima iluminación de los focos del vehículo.
 El ángulo horizontal mide la desviación de la visual entre observador y referencia con respecto a la tangente a la trayectoria en el pk de estudio.

El estudio se hace entre el punto de vista del observador y el punto de la referencia configurados.

Trayectoria configurada del observador:

- Superficie: 67
- Lado: Derecho
- Código: 1.000
- Distancia al código: 5.000 m hacia el exterior
- Altura: 1.100 m desde Calzada Pral.

Trayectoria configurada de la referencia:

- Superficie: 67
- Lado: Derecho
- Código: 1.000
- Distancia al código: 3.500 m hacia el exterior
- Altura: 0.500 m desde Calzada Pral.

No se han definido barreras visuales

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:



Actualización 2019:



3015.000	219.888	219.888	2.001%	791.000	0.000	0.350	120.000	3530.000	224.545	224.545	0.909%	791.000	0.000	0.350	120.000	4045.000	224.545	224.545	0.909%	-909.000	0.000	0.350	120.000
3020.000	219.888	219.888	2.001%	791.000	0.000	0.350	120.000	3535.000	224.545	224.545	0.909%	791.000	0.000	0.350	120.000	4050.000	224.545	224.545	0.909%	-909.000	0.000	0.350	120.000
3025.000	219.888	219.888	2.001%	791.000	0.000	0.350	120.000	3540.000	224.545	224.545	0.909%	791.000	0.000	0.350	120.000	4055.000	224.545	224.545	0.909%	-909.000	0.000	0.350	120.000
3030.000	219.888	219.888	2.001%	791.000	0.000	0.350	120.000	3545.000	224.545	224.545	0.909%	791.000	0.000	0.350	120.000	4060.000	224.545	224.545	0.909%	-909.000	0.000	0.350	120.000
3035.000	219.888	219.888	2.001%	791.000	0.000	0.350	120.000	3550.000	224.545	224.545	0.909%	805.287	0.000	0.350	120.000	4065.000	224.545	224.545	0.909%	-909.000	0.000	0.350	120.000
3040.000	219.888	219.888	2.001%	791.000	0.000	0.350	120.000	3555.000	224.545	224.545	0.909%	846.714	0.000	0.350	120.000	4070.000	224.545	224.545	0.909%	-909.000	0.000	0.350	120.000
3045.000	219.888	219.888	2.001%	791.000	0.000	0.350	120.000	3560.000	224.545	224.545	0.909%	892.581	0.000	0.350	120.000	4075.000	224.545	224.545	0.909%	-909.000	0.000	0.350	120.000
3050.000	219.890	219.890	2.000%	791.000	-31000.000	0.350	120.000	3565.000	224.545	224.545	0.909%	943.645	0.000	0.350	120.000	4080.000	224.545	224.545	0.909%	-909.000	0.000	0.350	120.000
3055.000	219.957	219.957	1.984%	791.000	-31000.000	0.350	120.000	3570.000	224.545	224.545	0.909%	1000.840	0.000	0.350	120.000	4085.000	224.545	224.545	0.909%	-909.000	0.000	0.350	120.000
3060.000	220.023	220.023	1.968%	791.000	-31000.000	0.350	120.000	3575.000	224.545	224.545	0.909%	1065.341	0.000	0.350	120.000	4090.000	224.545	224.545	0.909%	-909.000	0.000	0.350	120.000
3065.000	220.090	220.090	1.952%	791.000	-31000.000	0.350	120.000	3580.000	224.545	224.545	0.909%	1138.645	0.000	0.350	120.000	4095.000	224.545	224.545	0.909%	-909.000	0.000	0.350	120.000
3070.000	220.157	220.157	1.936%	791.000	-31000.000	0.350	120.000	3585.000	224.545	224.545	0.909%	1222.683	0.000	0.350	120.000	4100.000	224.545	224.545	0.909%	-909.000	0.000	0.350	120.000
3075.000	220.224	220.224	1.920%	791.000	-31000.000	0.350	120.000	3590.000	224.545	224.545	0.909%	1320.003	0.000	0.350	120.000	4105.000	224.545	224.545	0.909%	-909.000	0.000	0.350	120.000
3080.000	220.292	220.292	1.903%	791.000	-31000.000	0.350	120.000	3595.000	224.545	224.545	0.909%	1434.020	0.000	0.350	120.000	4110.000	224.545	224.545	0.909%	-909.000	0.000	0.350	120.000
3085.000	220.359	220.359	1.887%	791.000	-31000.000	0.350	120.000	3600.000	224.545	224.545	0.909%	1569.438	0.000	0.350	120.000	4115.000	224.545	224.545	0.909%	-909.000	0.000	0.350	120.000
3090.000	220.426	220.426	1.871%	791.000	-31000.000	0.350	120.000	3605.000	224.545	224.545	0.909%	1732.903	0.000	0.350	120.000	4120.000	224.545	224.545	0.909%	-909.000	0.000	0.350	120.000
3095.000	220.493	220.493	1.855%	791.000	-31000.000	0.350	120.000	3610.000	224.545	224.545	0.909%	1934.137	0.000	0.350	120.000	4125.000	224.545	224.545	0.909%	-909.000	0.000	0.350	120.000
3100.000	220.561	220.561	1.839%	791.000	-31000.000	0.350	120.000	3615.000	224.545	224.545	0.909%	2187.939	0.000	0.350	120.000	4130.000	224.532	224.532	0.912%	-909.000	31000.000	0.350	120.000
3105.000	220.628	220.628	1.823%	791.000	-31000.000	0.350	120.000	3620.000	224.545	224.545	0.909%	2518.005	0.000	0.350	120.000	4135.000	224.461	224.461	0.928%	-909.000	31000.000	0.350	120.000
3110.000	220.695	220.695	1.807%	791.000	-31000.000	0.350	120.000	3625.000	224.545	224.545	0.909%	2964.777	0.000	0.350	120.000	4140.000	224.390	224.390	0.945%	-909.000	31000.000	0.350	120.000
3115.000	220.763	220.763	1.791%	791.000	-31000.000	0.350	120.000	3630.000	224.545	224.545	0.909%	3603.461	0.000	0.350	120.000	4145.000	224.319	224.319	0.961%	-909.000	31000.000	0.350	120.000
3120.000	220.831	220.831	1.774%	791.000	-31000.000	0.350	120.000	3635.000	224.545	224.545	0.909%	4591.523	0.000	0.350	120.000	4150.000	224.249	224.249	0.977%	-909.000	31000.000	0.350	120.000
3125.000	220.898	220.898	1.758%	791.000	-31000.000	0.350	120.000	3640.000	224.545	224.545	0.909%	6323.578	0.000	0.350	120.000	4155.000	224.178	224.178	0.993%	-909.000	31000.000	0.350	120.000
3130.000	220.966	220.966	1.742%	791.000	-31000.000	0.350	120.000	3645.000	224.545	224.545	0.909%	10147.354	0.000	0.350	120.000	4160.000	224.108	224.108	1.009%	-909.000	31000.000	0.350	120.000
3135.000	221.034	221.034	1.726%	791.000	-31000.000	0.350	120.000	3650.000	224.545	224.545	0.909%	25627.095	0.000	0.350	120.000	4165.000	224.037	224.037	1.025%	-909.000	31000.000	0.350	120.000
3140.000	221.101	221.101	1.710%	791.000	-31000.000	0.350	120.000	3655.000	224.545	224.545	0.909%	-55898.341	0.000	0.350	120.000	4170.000	223.967	223.967	1.041%	-909.000	31000.000	0.350	120.000
3145.000	221.169	221.169	1.694%	791.000	-31000.000	0.350	120.000	3660.000	224.545	224.545	0.909%	-14310.725	0.000	0.350	120.000	4175.000	223.896	223.896	1.057%	-909.000	31000.000	0.350	120.000
3150.000	221.237	221.237	1.678%	791.000	-31000.000	0.350	120.000	3665.000	224.545	224.545	0.909%	-8209.030	0.000	0.350	120.000	4180.000	223.826	223.826	1.074%	-909.000	31000.000	0.350	120.000
3155.000	221.305	221.305	1.662%	791.000	-31000.000	0.350	120.000	3670.000	224.545	224.545	0.909%	-5756.790	0.000	0.350	120.000	4185.000	223.756	223.756	1.090%	-909.000	31000.000	0.350	120.000
3160.000	221.373	221.373	1.645%	791.000	-31000.000	0.350	120.000	3675.000	224.545	224.545	0.909%	-4433.602	0.000	0.350	120.000	4190.000	223.686	223.686	1.106%	-909.000	31000.000	0.350	120.000
3165.000	221.441	221.441	1.629%	791.000	-31000.000	0.350	120.000	3680.000	224.545	224.545	0.909%	-3605.628	0.000	0.350	120.000	4195.000	223.616	223.616	1.115%	-909.000	0.000	0.350	120.000
3170.000	221.510	221.510	1.613%	791.000	-31000.000	0.350	120.000	3685.000	224.545	224.545	0.909%	-3038.685	0.000	0.350	120.000	4200.000	223.546	223.546	1.115%	-909.000	0.000	0.350	120.000
3175.000	221.578	221.578	1.597%	791.000	-31000.000	0.350	120.000	3690.000	224.545	224.545	0.909%	-2626.140	0.000	0.350	120.000	4205.000	223.476	223.476	1.115%	-909.000	0.000	0.350	120.000
3180.000	221.646	221.646	1.581%	791.000	-31000.000	0.350	120.000	3695.000	224.545	224.545	0.909%	-2312.481	0.000	0.350	120.000	4210.000	223.406	223.406	1.115%	-909.000	0.000	0.350	120.000
3185.000	221.715	221.715	1.565%	791.000	-31000.000	0.350	120.000	3700.000	224.545	224.545	0.909%	-2065.958	0.000	0.350	120.000	4215.000	223.336	223.336	1.115%	-909.000	0.000	0.350	120.000
3190.000	221.783	221.783	1.549%	791.000	-31000.000	0.350	120.000	3705.000	224.545	224.545	0.909%	-1867.101	0.000	0.350	120.000	4220.000	223.266	223.266	1.115%	-909.000	0.000	0.350	120.000
3195.000	221.851	221.851	1.533%	791.000	-31000.000	0.350	120.000	3710.000	224.545	224.545	0.909%	-1703.304	0.000	0.350	120.000	4225.000	223.196	223.196	1.115%	-909.000	0.000	0.350	120.000
3200.000	221.920	221.920	1.516%	791.000	-31000.000	0.350	120.000	3715.000	224.545	224.545	0.909%	-1566.045	0.000	0.350	120.000	4230.000	223.126	223.126	1.115%	-909.000	0.000	0.350	120.000
3205.000	221.989	221.989	1.500%	791.000	-31000.000	0.350	120.000	3720.000	224.545	224.545	0.909%	-1449.359	0.000	0.350	120.000	4235.000	223.056	223.056	1.115%	-909.000	0.000	0.350	120.000
3210.000	222.057	222.057	1.484%	791.000	-31000.000	0.350	120.000	3725.000	224.545	224.545	0.909%	-1348.943	0.000	0.350	120.000	4240.000	222.986	222.986	1.115%	-909.000	0.000	0.350	120.000
3215.000	222.126	222.126	1.468%	791.000	-31000.000	0.350	120.000	3730.000	224.545	224.545	0.909%	-1261.616	0.000	0.350	120.000	4245.000	222.916	222.916	1.115%	-909.000	0.000	0.350	120.000
3220.000	222.195	222.195	1.452%	791.000	-31000.000	0.350	120.000	3735.000	224.545	224.545	0.909%	-1184.974	0.000	0.350	120.000	4250.000	222.846	222.846					

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



6105.000	228.266	228.266	0.082%	-809.000	-2000.000	0.350	120.000	6620.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7135.000	237.822	237.822	-1.876%	4676.513	0.000	0.350	120.000
6110.000	228.381	228.381	0.057%	-809.000	-2000.000	0.350	120.000	6625.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7140.000	237.822	237.822	-1.876%	4444.110	0.000	0.350	120.000
6115.000	228.497	228.497	0.032%	-809.000	-2000.000	0.350	120.000	6630.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7145.000	237.822	237.822	-1.876%	4233.673	0.000	0.350	120.000
6120.000	228.612	228.612	0.007%	-809.000	-2000.000	0.350	120.000	6635.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7150.000	237.822	237.822	-1.876%	4042.227	0.000	0.350	120.000
6125.000	228.728	228.728	-0.018%	-809.000	-2000.000	0.350	120.000	6640.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7155.000	237.822	237.822	-1.876%	3867.312	0.000	0.350	120.000
6130.000	228.844	228.844	-0.043%	-809.000	-2000.000	0.350	120.000	6645.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7160.000	237.822	237.822	-1.876%	3706.877	0.000	0.350	120.000
6135.000	228.960	228.960	-0.068%	-809.000	-2000.000	0.350	120.000	6650.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7165.000	237.822	237.822	-1.876%	3559.194	0.000	0.350	120.000
6140.000	229.076	229.076	-0.093%	-809.000	-2000.000	0.350	120.000	6655.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7170.000	237.822	237.822	-1.876%	3422.801	0.000	0.350	120.000
6145.000	229.192	229.192	-0.118%	-809.000	-2000.000	0.350	120.000	6660.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7175.000	237.822	237.822	-1.876%	3296.452	0.000	0.350	120.000
6150.000	229.309	229.309	-0.143%	-809.000	-2000.000	0.350	120.000	6665.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7180.000	237.822	237.822	-1.876%	3179.076	0.000	0.350	120.000
6155.000	229.426	229.426	-0.168%	-809.000	-2000.000	0.350	120.000	6670.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7185.000	237.822	237.822	-1.876%	3069.750	0.000	0.350	120.000
6160.000	229.543	229.543	-0.193%	-809.000	-2000.000	0.350	120.000	6675.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7190.000	237.822	237.822	-1.876%	2967.673	0.000	0.350	120.000
6165.000	229.660	229.660	-0.218%	-809.000	-2000.000	0.350	120.000	6680.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7195.000	237.648	237.648	-1.843%	2872.148	11000.000	0.350	120.000
6170.000	229.777	229.777	-0.243%	-809.000	-2000.000	0.350	120.000	6685.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7200.000	237.414	237.414	-1.797%	2782.563	11000.000	0.350	120.000
6175.000	229.894	229.894	-0.268%	-809.000	-2000.000	0.350	120.000	6690.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7205.000	237.180	237.180	-1.752%	2698.382	11000.000	0.350	120.000
6180.000	230.012	230.012	-0.293%	-809.000	-2000.000	0.350	120.000	6695.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7210.000	236.947	236.947	-1.706%	2619.129	11000.000	0.350	120.000
6185.000	230.130	230.130	-0.318%	-809.000	-2000.000	0.350	120.000	6700.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7215.000	236.715	236.715	-1.661%	2544.383	11000.000	0.350	120.000
6190.000	230.248	230.248	-0.343%	-809.000	-2000.000	0.350	120.000	6705.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7220.000	236.484	236.484	-1.615%	2473.772	11000.000	0.350	120.000
6195.000	230.366	230.366	-0.368%	-809.000	-2000.000	0.350	120.000	6710.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7225.000	236.253	236.253	-1.570%	2406.961	11000.000	0.350	120.000
6200.000	230.484	230.484	-0.393%	-809.000	-2000.000	0.350	120.000	6715.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7230.000	236.023	236.023	-1.524%	2343.652	11000.000	0.350	120.000
6205.000	230.602	230.602	-0.418%	-809.000	-2000.000	0.350	120.000	6720.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7235.000	235.793	235.793	-1.479%	2283.576	11000.000	0.350	120.000
6210.000	230.721	230.721	-0.443%	-809.000	-2000.000	0.350	120.000	6725.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7240.000	235.564	235.564	-1.433%	2226.492	11000.000	0.350	120.000
6215.000	230.840	230.840	-0.468%	-809.000	-2000.000	0.350	120.000	6730.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7245.000	235.336	235.336	-1.388%	2172.181	11000.000	0.350	120.000
6220.000	230.959	230.959	-0.493%	-809.000	-2000.000	0.350	120.000	6735.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7250.000	235.108	235.108	-1.343%	2120.447	11000.000	0.350	120.000
6225.000	231.078	231.078	-0.518%	-809.000	-2000.000	0.350	120.000	6740.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7255.000	234.881	234.881	-1.297%	2071.109	11000.000	0.350	120.000
6230.000	231.197	231.197	-0.543%	-809.000	-2000.000	0.350	120.000	6745.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7260.000	234.654	234.654	-1.252%	2024.007	11000.000	0.350	120.000
6235.000	231.317	231.317	-0.568%	-809.000	-2000.000	0.350	120.000	6750.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7265.000	234.428	234.428	-1.206%	1991.000	11000.000	0.350	120.000
6240.000	231.436	231.436	-0.593%	-809.000	-2000.000	0.350	120.000	6755.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7270.000	234.203	234.203	-1.161%	1991.000	11000.000	0.350	120.000
6245.000	231.556	231.556	-0.618%	-809.000	-2000.000	0.350	120.000	6760.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7275.000	233.978	233.978	-1.115%	1991.000	11000.000	0.350	120.000
6250.000	231.676	231.676	-0.643%	-809.000	-2000.000	0.350	120.000	6765.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7280.000	233.754	233.754	-1.070%	1991.000	11000.000	0.350	120.000
6255.000	231.796	231.796	-0.668%	-809.000	-2000.000	0.350	120.000	6770.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7285.000	233.530	233.530	-1.024%	1991.000	11000.000	0.350	120.000
6260.000	231.916	231.916	-0.693%	-809.000	-2000.000	0.350	120.000	6775.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7290.000	233.307	233.307	-0.978%	1991.000	11000.000	0.350	120.000
6265.000	232.037	232.037	-0.718%	-809.000	-2000.000	0.350	120.000	6780.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7295.000	233.085	233.085	-0.933%	1991.000	11000.000	0.350	120.000
6270.000	232.158	232.158	-0.743%	-809.000	-2000.000	0.350	120.000	6785.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7300.000	232.863	232.863	-0.888%	1991.000	11000.000	0.350	120.000
6275.000	232.279	232.279	-0.768%	-809.000	-2000.000	0.350	120.000	6790.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7305.000	232.642	232.642	-0.843%	1991.000	11000.000	0.350	120.000
6280.000	232.400	232.400	-0.793%	-809.000	-2000.000	0.350	120.000	6795.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7310.000	232.422	232.422	-0.797%	1991.000	11000.000	0.350	120.000
6285.000	232.521	232.521	-0.818%	-809.000	-2000.000	0.350	120.000	6800.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7315.000	232.202	232.202	-0.752%	1991.000	11000.000	0.350	120.000
6290.000	232.642	232.642	-0.843%	-809.000	-2000.000	0.350	120.000	6805.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7320.000	231.982	231.982	-0.706%	1991.000	11000.000	0.350	120.000
6295.000	232.764	232.764	-0.868%	-809.000	-2000.000	0.350	120.000	6810.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7325.000	231.763	231.763	-0.661%	1991.000	11000.000	0.350	120.000
6300.000	232.885	232.885	-0.893%	-809.000	-2000.000	0.350	120.000	6815.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7330.000	231.545	231.545	-0.615%	1991.000	11000.000	0.350	120.000
6305.000	233.007	233.007	-0.918%	-809.000	-2000.000	0.350	120.000	6820.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7335.000	231.327	231.327	-0.570%	1991.000	11000.000	0.350	120.000
6310.000	233.129	233.129	-0.943%	-809.000	-2000.000	0.350	120.000	6825.000	237.822	237.822	-1.876%	0.000	0.000	0.350	120.000	7340.000	231.110	231.110	-0.524%	1991.000	11000.000	0.350	120.000
6315.000	233.252	233.252																					

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B

Proyecto original:



Actualización 2016

Actualización 2019:



7650.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8165.000	226.750	226.750	0.415%	1991.000	-31000.000	0.350	120.000	8680.000	234.629	234.629	-1.247%	1991.000	-31000.000	0.350	120.000
7655.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8170.000	226.823	226.823	0.399%	1991.000	-31000.000	0.350	120.000	8685.000	234.709	234.709	-1.263%	1991.000	-31000.000	0.350	120.000
7660.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8175.000	226.896	226.896	0.382%	1991.000	-31000.000	0.350	120.000	8690.000	234.789	234.789	-1.279%	1991.000	-31000.000	0.350	120.000
7665.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8180.000	226.969	226.969	0.366%	1991.000	-31000.000	0.350	120.000	8695.000	234.870	234.870	-1.295%	1991.000	-31000.000	0.350	120.000
7670.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8185.000	227.042	227.042	0.350%	1991.000	-31000.000	0.350	120.000	8700.000	234.950	234.950	-1.311%	1991.000	-31000.000	0.350	120.000
7675.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8190.000	227.115	227.115	0.334%	1991.000	-31000.000	0.350	120.000	8705.000	235.031	235.031	-1.327%	1991.000	-31000.000	0.350	120.000
7680.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8195.000	227.188	227.188	0.318%	1991.000	-31000.000	0.350	120.000	8710.000	235.112	235.112	-1.343%	1991.000	-31000.000	0.350	120.000
7685.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8200.000	227.262	227.262	0.302%	1991.000	-31000.000	0.350	120.000	8715.000	235.193	235.193	-1.360%	1991.000	-31000.000	0.350	120.000
7690.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8205.000	227.335	227.335	0.286%	1991.000	-31000.000	0.350	120.000	8720.000	235.273	235.273	-1.376%	1991.000	-31000.000	0.350	120.000
7695.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8210.000	227.409	227.409	0.270%	1991.000	-31000.000	0.350	120.000	8725.000	235.354	235.354	-1.392%	1991.000	-31000.000	0.350	120.000
7700.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8215.000	227.482	227.482	0.253%	1991.000	-31000.000	0.350	120.000	8730.000	235.435	235.435	-1.408%	1991.000	-31000.000	0.350	120.000
7705.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8220.000	227.556	227.556	0.237%	1991.000	-31000.000	0.350	120.000	8735.000	235.516	235.516	-1.424%	1991.000	-31000.000	0.350	120.000
7710.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8225.000	227.629	227.629	0.221%	1991.000	-31000.000	0.350	120.000	8740.000	235.597	235.597	-1.440%	1991.000	-31000.000	0.350	120.000
7715.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8230.000	227.703	227.703	0.205%	1991.000	-31000.000	0.350	120.000	8745.000	235.679	235.679	-1.456%	1991.000	-31000.000	0.350	120.000
7720.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8235.000	227.777	227.777	0.189%	1991.000	-31000.000	0.350	120.000	8750.000	235.760	235.760	-1.472%	1991.000	-31000.000	0.350	120.000
7725.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8240.000	227.851	227.851	0.173%	1991.000	-31000.000	0.350	120.000	8755.000	235.841	235.841	-1.489%	1991.000	-31000.000	0.350	120.000
7730.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8245.000	227.925	227.925	0.157%	1991.000	-31000.000	0.350	120.000	8760.000	235.923	235.923	-1.505%	1991.000	-31000.000	0.350	120.000
7735.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8250.000	227.999	227.999	0.140%	1991.000	-31000.000	0.350	120.000	8765.000	236.004	236.004	-1.521%	1991.000	-31000.000	0.350	120.000
7740.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8255.000	228.073	228.073	0.124%	1991.000	-31000.000	0.350	120.000	8770.000	236.086	236.086	-1.537%	1991.000	-31000.000	0.350	120.000
7745.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8260.000	228.147	228.147	0.108%	1991.000	-31000.000	0.350	120.000	8775.000	236.168	236.168	-1.553%	1991.000	-31000.000	0.350	120.000
7750.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8265.000	228.221	228.221	0.092%	1991.000	-31000.000	0.350	120.000	8780.000	236.249	236.249	-1.569%	1991.000	-31000.000	0.350	120.000
7755.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8270.000	228.296	228.296	0.076%	1991.000	-31000.000	0.350	120.000	8785.000	236.331	236.331	-1.585%	1991.000	-31000.000	0.350	120.000
7760.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8275.000	228.370	228.370	0.060%	1991.000	-31000.000	0.350	120.000	8790.000	236.413	236.413	-1.601%	1991.000	-31000.000	0.350	120.000
7765.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8280.000	228.444	228.444	0.044%	1991.000	-31000.000	0.350	120.000	8795.000	236.495	236.495	-1.618%	1991.000	-31000.000	0.350	120.000
7770.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8285.000	228.519	228.519	0.028%	1991.000	-31000.000	0.350	120.000	8800.000	236.577	236.577	-1.634%	1991.000	-31000.000	0.350	120.000
7775.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8290.000	228.593	228.593	0.011%	1991.000	-31000.000	0.350	120.000	8805.000	236.660	236.660	-1.650%	1991.000	-31000.000	0.350	120.000
7780.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8295.000	228.668	228.668	-0.005%	1991.000	-31000.000	0.350	120.000	8810.000	236.742	236.742	-1.666%	1991.000	-31000.000	0.350	120.000
7785.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8300.000	228.743	228.743	-0.021%	1991.000	-31000.000	0.350	120.000	8815.000	236.824	236.824	-1.682%	1991.000	-31000.000	0.350	120.000
7790.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8305.000	228.818	228.818	-0.037%	1991.000	-31000.000	0.350	120.000	8820.000	236.907	236.907	-1.698%	1991.000	-31000.000	0.350	120.000
7795.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8310.000	228.892	228.892	-0.053%	1991.000	-31000.000	0.350	120.000	8825.000	236.989	236.989	-1.714%	1991.000	-31000.000	0.350	120.000
7800.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8315.000	228.967	228.967	-0.069%	1991.000	-31000.000	0.350	120.000	8830.000	237.072	237.072	-1.730%	1991.000	-31000.000	0.350	120.000
7805.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8320.000	229.042	229.042	-0.085%	1991.000	-31000.000	0.350	120.000	8835.000	237.154	237.154	-1.747%	1991.000	-31000.000	0.350	120.000
7810.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8325.000	229.117	229.117	-0.101%	1991.000	-31000.000	0.350	120.000	8840.000	237.237	237.237	-1.763%	1991.000	-31000.000	0.350	120.000
7815.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8330.000	229.192	229.192	-0.118%	1991.000	-31000.000	0.350	120.000	8845.000	237.320	237.320	-1.779%	1991.000	-31000.000	0.350	120.000
7820.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8335.000	229.268	229.268	-0.134%	1991.000	-31000.000	0.350	120.000	8850.000	237.373	237.373	-1.795%	1991.000	0.000	0.350	120.000
7825.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8340.000	229.343	229.343	-0.150%	1991.000	-31000.000	0.350	120.000	8855.000	237.373	237.373	-1.789%	1991.000	0.000	0.350	120.000
7830.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8345.000	229.418	229.418	-0.166%	1991.000	-31000.000	0.350	120.000	8860.000	237.373	237.373	-1.789%	1991.000	0.000	0.350	120.000
7835.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8350.000	229.494	229.494	-0.182%	1991.000	-31000.000	0.350	120.000	8865.000	237.373	237.373	-1.789%	1991.000	0.000	0.350	120.000
7840.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8355.000	229.569	229.569	-0.198%	1991.000	-31000.000	0.350	120.000	8870.000	237.373	237.373	-1.789%	1991.000	0.000	0.350	120.000
7845.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8360.000	229.645	229.645	-0.214%	1991.000	-31000.000	0.350	120.000	8875.000	237.373	237.373	-1.789%	1991.000	0.000	0.350	120.000
7850.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8365.000	229.720	229.720	-0.230%	1991.000	-31000.000	0.350	120.000	8880.000	237.373	237.373	-1.789%	1991.000	0.000	0.350	120.000
7855.000	222.435	222.435	1.396%	1991.000	0.000	0.350	120.000	8370.000	229.7														

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B

Proyecto original:



Actualización 2016

Actualización 2019:



12285.000	232.891	232.891	-0.894%	9991.000	0.000	0.350	120.000	12800.000	225.326	225.326	0.733%	-1050.209	0.000	0.350	120.000	13315.000	232.294	232.294	-0.771%	0.000	-23000.000	0.350	120.000
12290.000	232.891	232.891	-0.894%	9991.000	0.000	0.350	120.000	12805.000	225.326	225.326	0.733%	-1100.860	0.000	0.350	120.000	13320.000	232.399	232.399	-0.793%	0.000	-23000.000	0.350	120.000
12295.000	232.891	232.891	-0.894%	9991.000	0.000	0.350	120.000	12810.000	225.326	225.326	0.733%	-1156.691	0.000	0.350	120.000	13325.000	232.505	232.505	-0.814%	0.000	-23000.000	0.350	120.000
12300.000	232.891	232.891	-0.894%	9991.000	0.000	0.350	120.000	12815.000	225.326	225.326	0.733%	-1218.539	0.000	0.350	120.000	13330.000	232.610	232.610	-0.836%	0.000	-23000.000	0.350	120.000
12305.000	232.891	232.891	-0.894%	9991.000	0.000	0.350	120.000	12820.000	225.326	225.326	0.733%	-1287.432	0.000	0.350	120.000	13335.000	232.716	232.716	-0.858%	0.000	-23000.000	0.350	120.000
12310.000	232.891	232.891	-0.894%	9991.000	0.000	0.350	120.000	12825.000	225.326	225.326	0.733%	-1364.647	0.000	0.350	120.000	13340.000	232.822	232.822	-0.879%	0.000	-23000.000	0.350	120.000
12315.000	232.891	232.891	-0.894%	9991.000	0.000	0.350	120.000	12830.000	225.326	225.326	0.733%	-1451.790	0.000	0.350	120.000	13345.000	232.928	232.928	-0.901%	0.000	-23000.000	0.350	120.000
12320.000	232.891	232.891	-0.894%	9991.000	0.000	0.350	120.000	12835.000	225.326	225.326	0.733%	-1550.905	0.000	0.350	120.000	13350.000	233.034	233.034	-0.923%	0.000	-23000.000	0.350	120.000
12325.000	232.891	232.891	-0.894%	9991.000	0.000	0.350	120.000	12840.000	225.326	225.326	0.733%	-1664.643	0.000	0.350	120.000	13355.000	233.140	233.140	-0.945%	0.000	-23000.000	0.350	120.000
12330.000	232.891	232.891	-0.894%	9991.000	0.000	0.350	120.000	12845.000	225.326	225.326	0.733%	-1796.497	0.000	0.350	120.000	13360.000	233.246	233.246	-0.966%	0.000	-23000.000	0.350	120.000
12335.000	232.891	232.891	-0.894%	-29047.758	0.000	0.350	120.000	12850.000	225.326	225.326	0.733%	-1951.169	0.000	0.350	120.000	13365.000	233.353	233.353	-0.988%	0.000	-23000.000	0.350	120.000
12340.000	232.891	232.891	-0.894%	-12668.816	0.000	0.350	120.000	12855.000	225.326	225.326	0.733%	-2135.145	0.000	0.350	120.000	13370.000	233.459	233.459	-1.010%	0.000	-23000.000	0.350	120.000
12345.000	232.891	232.891	-0.894%	-8103.319	0.000	0.350	120.000	12860.000	225.326	225.326	0.733%	-2357.623	0.000	0.350	120.000	13375.000	233.566	233.566	-1.032%	0.000	-23000.000	0.350	120.000
12350.000	232.891	232.891	-0.894%	-5957.954	0.000	0.350	120.000	12865.000	225.326	225.326	0.733%	-2632.102	0.000	0.350	120.000	13380.000	233.673	233.673	-1.053%	0.000	-23000.000	0.350	120.000
12355.000	232.891	232.891	-0.894%	-4711.560	0.000	0.350	120.000	12870.000	225.326	225.326	0.733%	-2979.226	0.000	0.350	120.000	13385.000	233.780	233.780	-1.075%	0.000	-23000.000	0.350	120.000
12360.000	232.891	232.891	-0.894%	-3896.972	0.000	0.350	120.000	12875.000	225.326	225.326	0.733%	-3432.235	0.000	0.350	120.000	13390.000	233.887	233.887	-1.097%	0.000	-23000.000	0.350	120.000
12365.000	232.891	232.891	-0.894%	-3322.926	0.000	0.350	120.000	12880.000	225.326	225.326	0.733%	-4048.294	0.000	0.350	120.000	13395.000	233.994	233.994	-1.119%	0.000	-23000.000	0.350	120.000
12370.000	232.891	232.891	-0.894%	-2896.585	0.000	0.350	120.000	12885.000	225.326	225.326	0.733%	-4934.753	0.000	0.350	120.000	13400.000	234.102	234.102	-1.140%	0.000	-23000.000	0.350	120.000
12375.000	232.891	232.891	-0.894%	-2567.438	0.000	0.350	120.000	12890.000	225.326	225.326	0.733%	-6319.689	0.000	0.350	120.000	13405.000	234.209	234.209	-1.162%	0.000	-23000.000	0.350	120.000
12380.000	232.891	232.891	-0.894%	-2305.649	0.000	0.350	120.000	12895.000	225.326	225.326	0.733%	-8788.018	0.000	0.350	120.000	13410.000	234.317	234.317	-1.184%	0.000	-23000.000	0.350	120.000
12385.000	232.891	232.891	-0.894%	-2092.462	0.000	0.350	120.000	12900.000	225.326	225.326	0.733%	-14427.653	0.000	0.350	120.000	13415.000	234.425	234.425	-1.206%	0.000	-23000.000	0.350	120.000
12390.000	232.891	232.891	-0.894%	-1915.492	0.000	0.350	120.000	12905.000	225.326	225.326	0.733%	-40329.544	0.000	0.350	120.000	13420.000	234.533	234.533	-1.227%	0.000	-23000.000	0.350	120.000
12395.000	232.891	232.891	-0.894%	-1766.232	0.000	0.350	120.000	12910.000	225.326	225.326	0.733%	0.000	0.000	0.350	120.000	13425.000	234.641	234.641	-1.249%	0.000	-23000.000	0.350	120.000
12400.000	232.891	232.891	-0.894%	-1638.646	0.000	0.350	120.000	12915.000	225.326	225.326	0.733%	0.000	0.000	0.350	120.000	13430.000	234.749	234.749	-1.271%	0.000	-23000.000	0.350	120.000
12405.000	232.891	232.891	-0.894%	-1528.333	0.000	0.350	120.000	12920.000	225.326	225.326	0.733%	0.000	0.000	0.350	120.000	13435.000	234.858	234.858	-1.293%	0.000	-23000.000	0.350	120.000
12410.000	232.891	232.891	-0.894%	-1432.007	0.000	0.350	120.000	12925.000	225.326	225.326	0.733%	0.000	0.000	0.350	120.000	13440.000	234.966	234.966	-1.314%	0.000	-23000.000	0.350	120.000
12415.000	232.891	232.891	-0.894%	-1347.168	0.000	0.350	120.000	12930.000	225.326	225.326	0.733%	0.000	0.000	0.350	120.000	13445.000	235.075	235.075	-1.336%	0.000	-23000.000	0.350	120.000
12420.000	232.891	232.891	-0.894%	-1271.875	0.000	0.350	120.000	12935.000	225.326	225.326	0.733%	0.000	0.000	0.350	120.000	13450.000	235.184	235.184	-1.358%	0.000	-23000.000	0.350	120.000
12425.000	232.891	232.891	-0.894%	-1204.604	0.000	0.350	120.000	12940.000	225.326	225.326	0.733%	0.000	0.000	0.350	120.000	13455.000	235.293	235.293	-1.379%	0.000	-23000.000	0.350	120.000
12430.000	232.891	232.891	-0.894%	-1144.138	0.000	0.350	120.000	12945.000	225.326	225.326	0.733%	0.000	0.000	0.350	120.000	13460.000	235.402	235.402	-1.401%	0.000	-23000.000	0.350	120.000
12435.000	232.891	232.891	-0.894%	-1089.493	0.000	0.350	120.000	12950.000	225.326	225.326	0.733%	0.000	0.000	0.350	120.000	13465.000	235.511	235.511	-1.423%	0.000	-23000.000	0.350	120.000
12440.000	232.891	232.891	-0.894%	-1039.867	0.000	0.350	120.000	12955.000	225.326	225.326	0.733%	0.000	0.000	0.350	120.000	13470.000	235.620	235.620	-1.445%	0.000	-23000.000	0.350	120.000
12445.000	232.891	232.891	-0.894%	-1009.000	0.000	0.350	120.000	12960.000	225.326	225.326	0.733%	0.000	0.000	0.350	120.000	13475.000	235.730	235.730	-1.466%	0.000	-23000.000	0.350	120.000
12450.000	232.891	232.891	-0.894%	-1009.000	0.000	0.350	120.000	12965.000	225.326	225.326	0.733%	0.000	0.000	0.350	120.000	13480.000	235.840	235.840	-1.488%	0.000	-23000.000	0.350	120.000
12455.000	232.891	232.891	-0.894%	-1009.000	0.000	0.350	120.000	12970.000	225.341	225.341	0.729%	0.000	-23000.000	0.350	120.000	13485.000	235.949	235.949	-1.510%	0.000	-23000.000	0.350	120.000
12460.000	232.891	232.891	-0.894%	-1009.000	0.000	0.350	120.000	12975.000	225.437	225.437	0.707%	0.000	-23000.000	0.350	120.000	13490.000	236.059	236.059	-1.532%	0.000	-23000.000	0.350	120.000
12465.000	232.891	232.891	-0.894%	-1009.000	0.000	0.350	120.000	12980.000	225.534	225.534	0.686%	0.000	-23000.000	0.350	120.000	13495.000	236.169	236.169	-1.553%	0.000	-23000.000	0.350	120.000
12470.000	232.891	232.891	-0.894%	-1009.000	0.000	0.350	120.000	12985.000	225.631	225.631	0.664%	0.000	-23000.000	0.350	120.000	13500.000	236.280	236.280	-1.575%	0.000	-23000.000	0.350	120.000
12475.000	232.891	232.891	-0.894%	-1009.000	0.000	0.350	120.000	12990.000	225.728	225.728	0.642%	0.000	-23000.000	0.350	120.000	13505.000	236.390	236.390	-1.597%	0.000	-23000.000	0.350	120.000
12480.000	232.891	232.891	-0.894%	-1009.000	0.000	0.350	120.000	12995.000	225.825	225.825	0.621%	0.000	-23000.000	0.350	120.000	13510.000	236.501	236.501	-1.619%	0.000	-23000.000	0.350	120.000
12485.000	232.891	232.891	-0.894%	-1009.000	0.000	0.350	120.000	13000.000	225.922	225.922	0.599%	0.000	-23000.000	0.350	120.000	13515.000	236.611	236.611	-1.640%	0.000	-23000.000	0.350	120.000
12490.000	232.891	232.891	-0.894%	-1009.000	0.000	0.350	120.000	13005.000	226.019	226.019	0.577%	0.000	-23000.000	0.350	120.000	13520.000	236.722	236.722	-1.662%	0.000	-23000.000	0.350	120



13830.000	239.102	239.102	-2.122%	0.000	0.000	0.350	120.000
13835.000	239.102	239.102	-2.122%	0.000	0.000	0.350	120.000
13840.000	239.102	239.102	-2.122%	0.000	0.000	0.350	120.000
13845.000	239.102	239.102	-2.122%	0.000	0.000	0.350	120.000
13850.000	239.102	239.102	-2.122%	0.000	0.000	0.350	120.000
13855.000	239.102	239.102	-2.122%	0.000	0.000	0.350	120.000
13860.000	239.102	239.102	-2.122%	0.000	0.000	0.350	120.000
13865.000	239.102	239.102	-2.122%	0.000	0.000	0.350	120.000
13870.000	239.102	239.102	-2.122%	0.000	0.000	0.350	120.000
13875.000	239.102	239.102	-2.122%	0.000	0.000	0.350	120.000
13880.000	239.102	239.102	-2.122%	0.000	0.000	0.350	120.000
13885.000	239.102	239.102	-2.122%	0.000	0.000	0.350	120.000
13890.000	239.102	239.102	-2.122%	0.000	0.000	0.350	120.000
13895.000	239.102	239.102	-2.122%	0.000	0.000	0.350	120.000
13900.000	239.102	239.102	-2.122%	0.000	0.000	0.350	120.000
13905.000	239.102	239.102	-2.122%	0.000	0.000	0.350	120.000
13910.000	239.102	239.102	-2.122%	0.000	0.000	0.350	120.000
13915.000	239.102	239.102	-2.122%	0.000	0.000	0.350	120.000

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PROYECTO :
EJE: 19: Alternativa 9

*** DATOS DE TRABAJO ***

Tipo de estudio: Parada.

Tabla de diseño de alzado (.dia): ES_31_IC_rev2018.dia
Fórmula: Distancia de parada = $(V * Tp/3.6) + (V^2 / (254*(F1 + i)))$

Sentido: Inverso
Modo: a velocidad fija de 120.0 Km/h
Eje desde PK: 0.000 hasta PK: 13922.412
Estudio desde PK: 0.000 hasta PK: 13922.412

Salto del observador para estudio cada: 5.000 m
Se supone la visibilidad en los primeros: 60.000 m
A partir de ahí se estudia la visibilidad cada: 20.000 m

Ángulo Focos-rasante, en grados: 1.0000
Ángulo de tolerancia horizontal, en grados: 180.0000

El ángulo Focos-rasante mide la desviación de la visual entre observador y referencia con respecto a la línea de máxima iluminación de los focos del vehículo.
El ángulo horizontal mide la desviación de la visual entre observador y referencia con respecto a la tangente a la trayectoria en el pk de estudio.

El estudio se hace entre el punto de vista del observador y el punto de la referencia configurados.

Trayectoria configurada del observador:
- Superficie: 67
- Lado: Derecho
- Código: 1.000
- Distancia al código: 5.000 m hacia el exterior
- Altura: 1.100 m desde Calzada Pral.

Trayectoria configurada de la referencia:
- Superficie: 67
- Lado: Derecho
- Código: 1.000
- Distancia al código: 3.500 m hacia el exterior
- Altura: 0.500 m desde Calzada Pral.

No se han definido barreras visuales

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PROYECTO :
EJE: 19: Alternativa 9 (8 C)

*** ESTUDIO DE VISIBILIDAD ***

PK Reducida	D. Disponible	D. Necesaria	i	Radio Dist. Eje	Kv PK	f1 Obstáculo	V. Estudio Visual	V. Estudio Visual fuera
13922.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13917.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13912.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13907.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13902.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13897.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13892.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13887.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13882.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13877.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13872.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13867.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13862.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13857.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13852.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13847.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13842.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13837.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13832.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13827.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13822.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13817.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13812.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13807.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13802.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13797.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13792.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13787.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13782.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13777.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13772.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13767.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13762.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13757.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13752.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13747.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13742.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13737.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13732.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13727.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13722.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13717.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13712.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13707.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13702.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13697.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13692.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13687.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13682.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13677.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13672.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13667.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13662.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13657.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13652.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13647.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13642.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13637.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13632.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13627.412	219.386	219.386	2.122%	0.000	0.000	0.350	120.000	
13622.412	219.447	219.447	2.107%	0.000	-23000.000	0.350	120.000	
13617.412	219.537	219.537	2.086%	0.000	-23000.000	0.350	120.000	
13612.412	219.627	219.627	2.064%	0.000	-23000.000	0.350	120.000	
13607.412	219.716	219.716	2.042%	0.000	-23000.000	0.350	120.000	
13602.412	219.806	219.806	2.020%	0.000	-23000.000	0.350	120.000	
13597.412	219.896	219.896	1.999%	0.000	-23000.000	0.350	120.000	
13592.412	219.986	219.986	1.977%	0.000	-23000.000	0.350	120.000	
13587.412	220.076	220.076	1.955%	0.000	-23000.000	0.350	120.000	
13582.412	220.167	220.167	1.933%	0.000	-23000.000	0.350	120.000	
13577.412	220.257	220.257	1.912%	0.000	-23000.000	0.350	120.000	
13572.412	220.348	220.348	1.890%	0.000	-23000.000	0.350	120.000	
13567.412	220.438	220.438	1.868%	0.000	-23000.000	0.350	120.000	
13562.412	220.529	220.529	1.847%	0.000	-23000.000	0.350	120.000	
13557.412	220.620	220.620	1.825%	0.000	-23000.000	0.350	120.000	
13552.412	220.711	220.711	1.803%	0.000	-23000.000	0.350	120.000	
13547.412	220.802	220.802	1.781%	0.000	-23000.000	0.350	120.000	
13542.412	220.893	220.893	1.760%	0.000	-23000.000	0.350	120.000	
13537.412	220.984	220.984	1.738%	0.000	-23000.000	0.350	120.000	
13532.412	221.076	221.076	1.716%	0.000	-23000.000	0.350	120.000	
13527.412	221.167	221.167	1.694%	0.000	-23000.000	0.350	120.000	
13522.412	221.259	221.259	1.673%	0.000	-23000.000	0.350	120.000	
13517.412	221.350	221.350	1.651%	0.000	-23000.000	0.350	120.000	
13512.412	221.442	221.442	1.629%	0.000	-23000.000	0.350	120.000	
13507.412	221.534	221.534	1.607%	0.000	-23000.000	0.350	120.000	
13502.412	221.626	221.626	1.586%	0.000	-23000.000	0.350	120.000	
13497.412	221.718	221.718	1.564%	0.000	-23000.000	0.350	120.000	
13492.412	221.811	221.811	1.542%	0.000	-23000.000	0.350	120.000	
13487.412	221.903	221.903	1.520%	0.000	-23000.000	0.350	120.000	

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



13482.412	221.995	221.995	1.499%	0.000	-23000.000	0.350	120.000	12967.412	232.109	232.109	-0.733%	0.000	0.000	0.350	120.000	12452.412	224.613	224.613	0.894%	-991.000	0.000	0.350	120.000
13477.412	222.088	222.088	1.477%	0.000	-23000.000	0.350	120.000	12962.412	232.109	232.109	-0.733%	0.000	0.000	0.350	120.000	12447.412	224.613	224.613	0.894%	-991.000	0.000	0.350	120.000
13472.412	222.181	222.181	1.455%	0.000	-23000.000	0.350	120.000	12957.412	232.109	232.109	-0.733%	0.000	0.000	0.350	120.000	12442.412	224.613	224.613	0.894%	-999.518	0.000	0.350	120.000
13467.412	222.273	222.273	1.433%	0.000	-23000.000	0.350	120.000	12952.412	232.109	232.109	-0.733%	0.000	0.000	0.350	120.000	12437.412	224.613	224.613	0.894%	-1046.966	0.000	0.350	120.000
13462.412	222.366	222.366	1.412%	0.000	-23000.000	0.350	120.000	12947.412	232.109	232.109	-0.733%	0.000	0.000	0.350	120.000	12432.412	224.613	224.613	0.894%	-1099.098	0.000	0.350	120.000
13457.412	222.459	222.459	1.390%	0.000	-23000.000	0.350	120.000	12942.412	232.109	232.109	-0.733%	0.000	0.000	0.350	120.000	12427.412	224.613	224.613	0.894%	-1156.645	0.000	0.350	120.000
13452.412	222.552	222.552	1.368%	0.000	-23000.000	0.350	120.000	12937.412	232.109	232.109	-0.733%	0.000	0.000	0.350	120.000	12422.412	224.613	224.613	0.894%	-1220.498	0.000	0.350	120.000
13447.412	222.646	222.646	1.347%	0.000	-23000.000	0.350	120.000	12932.412	232.109	232.109	-0.733%	0.000	0.000	0.350	120.000	12417.412	224.613	224.613	0.894%	-1291.750	0.000	0.350	120.000
13442.412	222.739	222.739	1.325%	0.000	-23000.000	0.350	120.000	12927.412	232.109	232.109	-0.733%	0.000	0.000	0.350	120.000	12412.412	224.613	224.613	0.894%	-1371.770	0.000	0.350	120.000
13437.412	222.832	222.832	1.303%	0.000	-23000.000	0.350	120.000	12922.412	232.109	232.109	-0.733%	0.000	0.000	0.350	120.000	12407.412	224.613	224.613	0.894%	-1462.280	0.000	0.350	120.000
13432.412	222.926	222.926	1.281%	0.000	-23000.000	0.350	120.000	12917.412	232.109	232.109	-0.733%	0.000	0.000	0.350	120.000	12402.412	224.613	224.613	0.894%	-1565.488	0.000	0.350	120.000
13427.412	223.020	223.020	1.260%	0.000	-23000.000	0.350	120.000	12912.412	232.109	232.109	-0.733%	0.000	0.000	0.350	120.000	12397.412	224.613	224.613	0.894%	-1684.269	0.000	0.350	120.000
13422.412	223.114	223.114	1.238%	0.000	-23000.000	0.350	120.000	12907.412	232.109	232.109	-0.733%	-302601.869	0.000	0.350	120.000	12392.412	224.613	224.613	0.894%	-1822.434	0.000	0.350	120.000
13417.412	223.207	223.207	1.216%	0.000	-23000.000	0.350	120.000	12902.412	232.109	232.109	-0.733%	-20886.180	0.000	0.350	120.000	12387.412	224.613	224.613	0.894%	-1985.149	0.000	0.350	120.000
13412.412	223.301	223.301	1.194%	0.000	-23000.000	0.350	120.000	12897.412	232.109	232.109	-0.733%	-10812.190	0.000	0.350	120.000	12382.412	224.613	224.613	0.894%	-2179.598	0.000	0.350	120.000
13407.412	223.396	223.396	1.173%	0.000	-23000.000	0.350	120.000	12892.412	232.109	232.109	-0.733%	-7292.155	0.000	0.350	120.000	12377.412	224.613	224.613	0.894%	-2416.064	0.000	0.350	120.000
13402.412	223.490	223.490	1.151%	0.000	-23000.000	0.350	120.000	12887.412	232.109	232.109	-0.733%	-5500.096	0.000	0.350	120.000	12372.412	224.613	224.613	0.894%	-2709.818	0.000	0.350	120.000
13397.412	223.584	223.584	1.129%	0.000	-23000.000	0.350	120.000	12882.412	232.109	232.109	-0.733%	-4414.383	0.000	0.350	120.000	12367.412	224.613	224.613	0.894%	-3084.547	0.000	0.350	120.000
13392.412	223.679	223.679	1.107%	0.000	-23000.000	0.350	120.000	12877.412	232.109	232.109	-0.733%	-3686.154	0.000	0.350	120.000	12362.412	224.613	224.613	0.894%	-3579.085	0.000	0.350	120.000
13387.412	223.773	223.773	1.086%	0.000	-23000.000	0.350	120.000	12872.412	232.109	232.109	-0.733%	-3163.810	0.000	0.350	120.000	12357.412	224.613	224.613	0.894%	-4261.825	0.000	0.350	120.000
13382.412	223.868	223.868	1.064%	0.000	-23000.000	0.350	120.000	12867.412	232.109	232.109	-0.733%	-2770.852	0.000	0.350	120.000	12352.412	224.613	224.613	0.894%	-5265.443	0.000	0.350	120.000
13377.412	223.963	223.963	1.042%	0.000	-23000.000	0.350	120.000	12862.412	232.109	232.109	-0.733%	-2464.504	0.000	0.350	120.000	12347.412	224.613	224.613	0.894%	-6885.644	0.000	0.350	120.000
13372.412	224.058	224.058	1.020%	0.000	-23000.000	0.350	120.000	12857.412	232.109	232.109	-0.733%	-2218.975	0.000	0.350	120.000	12342.412	224.613	224.613	0.894%	-9942.559	0.000	0.350	120.000
13367.412	224.153	224.153	0.999%	0.000	-23000.000	0.350	120.000	12852.412	232.109	232.109	-0.733%	-2017.788	0.000	0.350	120.000	12337.412	224.613	224.613	0.894%	-17869.401	0.000	0.350	120.000
13362.412	224.248	224.248	0.977%	0.000	-23000.000	0.350	120.000	12847.412	232.109	232.109	-0.733%	-1849.927	0.000	0.350	120.000	12332.412	224.613	224.613	0.894%	-87863.998	0.000	0.350	120.000
13357.412	224.343	224.343	0.955%	0.000	-23000.000	0.350	120.000	12842.412	232.109	232.109	-0.733%	-1707.744	0.000	0.350	120.000	12327.412	224.613	224.613	0.894%	10009.000	0.000	0.350	120.000
13352.412	224.439	224.439	0.933%	0.000	-23000.000	0.350	120.000	12837.412	232.109	232.109	-0.733%	-1585.765	0.000	0.350	120.000	12322.412	224.613	224.613	0.894%	10009.000	0.000	0.350	120.000
13347.412	224.534	224.534	0.912%	0.000	-23000.000	0.350	120.000	12832.412	232.109	232.109	-0.733%	-1479.971	0.000	0.350	120.000	12317.412	224.613	224.613	0.894%	10009.000	0.000	0.350	120.000
13342.412	224.630	224.630	0.890%	0.000	-23000.000	0.350	120.000	12827.412	232.109	232.109	-0.733%	-1387.339	0.000	0.350	120.000	12312.412	224.613	224.613	0.894%	10009.000	0.000	0.350	120.000
13337.412	224.725	224.725	0.868%	0.000	-23000.000	0.350	120.000	12822.412	232.109	232.109	-0.733%	-1305.559	0.000	0.350	120.000	12307.412	224.613	224.613	0.894%	10009.000	0.000	0.350	120.000
13332.412	224.821	224.821	0.847%	0.000	-23000.000	0.350	120.000	12817.412	232.109	232.109	-0.733%	-1232.827	0.000	0.350	120.000	12302.412	224.613	224.613	0.894%	10009.000	0.000	0.350	120.000
13327.412	224.917	224.917	0.826%	0.000	-23000.000	0.350	120.000	12812.412	232.109	232.109	-0.733%	-1167.722	0.000	0.350	120.000	12297.412	224.613	224.613	0.894%	10009.000	0.000	0.350	120.000
13322.412	225.013	225.013	0.803%	0.000	-23000.000	0.350	120.000	12807.412	232.109	232.109	-0.733%	-1109.103	0.000	0.350	120.000	12292.412	224.613	224.613	0.894%	10009.000	0.000	0.350	120.000
13317.412	225.110	225.110	0.781%	0.000	-23000.000	0.350	120.000	12802.412	232.109	232.109	-0.733%	-1056.048	0.000	0.350	120.000	12287.412	224.613	224.613	0.894%	10009.000	0.000	0.350	120.000
13312.412	225.206	225.206	0.760%	0.000	-23000.000	0.350	120.000	12797.412	232.109	232.109	-0.733%	-1007.799	0.000	0.350	120.000	12282.412	224.613	224.613	0.894%	10009.000	0.000	0.350	120.000
13307.412	225.302	225.302	0.738%	0.000	-23000.000	0.350	120.000	12792.412	232.109	232.109	-0.733%	-991.000	0.000	0.350	120.000	12277.412	224.613	224.613	0.894%	10009.000	0.000	0.350	120.000
13302.412	225.399	225.399	0.716%	0.000	-23000.000	0.350	120.000	12787.412	232.109	232.109	-0.733%	-991.000	0.000	0.350	120.000	12272.412	224.613	224.613	0.894%	10009.000	0.000	0.350	120.000
13297.412	225.496	225.496	0.694%	0.000	-23000.000	0.350	120.000	12782.412	232.109	232.109	-0.733%	-991.000	0.000	0.350	120.000	12267.412	224.613	224.613	0.894%	10009.000	0.000	0.350	120.000
13292.412	225.592	225.592	0.673%	0.000	-23000.000	0.350	120.000	12777.412	232.109	232.109	-0.733%	-991.000	0.000	0.350	120.000	12262.412	224.613	224.613	0.894%	10009.000	0.000	0.350	120.000
13287.412	225.689	225.689	0.651%	0.000	-23000.000	0.350	120.000	12772.412	232.109	232.109	-0.733%	-991.000	0.000	0.350	120.000	12257.412	224.613	224.613	0.894%	10009.000	0.000	0.350	120.000
13282.412	225.786	225.786	0.629%	0.000	-23000.000	0.350	120.000	12767.412	232.109	232.109	-0.733%	-991.000	0.000	0.350	120.000	12252.412	224.613	224.613	0.894%	10009.000	0.000	0.350	120.000
13277.412	225.883	225.883	0.607%	0.000	-23000.000	0.350	120.000	12762.412	232.109	232.109	-0.733%	-991.000	0.000	0.350	120.000	12247.412	224.613	224.613	0.894%	10009.000	0.000		

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



11937.412	227.710	227.710	0.203%	10009.000	-35000.000	0.350	120.000	11422.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10907.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000
11932.412	227.776	227.776	0.189%	10009.000	-35000.000	0.350	120.000	11417.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10902.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000
11927.412	227.841	227.841	0.175%	10009.000	-35000.000	0.350	120.000	11412.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10897.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000
11922.412	227.907	227.907	0.161%	10009.000	-35000.000	0.350	120.000	11407.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10892.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000
11917.412	227.972	227.972	0.146%	10009.000	-35000.000	0.350	120.000	11402.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10887.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000
11912.412	228.038	228.038	0.132%	10009.000	-35000.000	0.350	120.000	11397.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10882.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000
11907.412	228.104	228.104	0.118%	10009.000	-35000.000	0.350	120.000	11392.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10877.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000
11902.412	228.169	228.169	0.103%	10009.000	-35000.000	0.350	120.000	11387.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10872.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000
11897.412	228.235	228.235	0.089%	10009.000	-35000.000	0.350	120.000	11382.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10867.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000
11892.412	228.301	228.301	0.075%	10009.000	-35000.000	0.350	120.000	11377.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10862.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000
11887.412	228.367	228.367	0.061%	10009.000	-35000.000	0.350	120.000	11372.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10857.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000
11882.412	228.433	228.433	0.046%	10009.000	-35000.000	0.350	120.000	11367.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10852.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000
11877.412	228.499	228.499	0.032%	10009.000	-35000.000	0.350	120.000	11362.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10847.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000
11872.412	228.565	228.565	0.018%	10009.000	-35000.000	0.350	120.000	11357.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10842.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000
11867.412	228.631	228.631	0.003%	10009.000	-35000.000	0.350	120.000	11352.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10837.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000
11862.412	228.697	228.697	-0.011%	10009.000	-35000.000	0.350	120.000	11347.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10832.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000
11857.412	228.763	228.763	-0.025%	10009.000	-35000.000	0.350	120.000	11342.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10827.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000
11852.412	228.829	228.829	-0.039%	10009.000	-35000.000	0.350	120.000	11337.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10822.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000
11847.412	228.895	228.895	-0.054%	10009.000	-35000.000	0.350	120.000	11332.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10817.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000
11842.412	228.962	228.962	-0.068%	10009.000	-35000.000	0.350	120.000	11327.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10812.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000
11837.412	229.028	229.028	-0.082%	10009.000	-35000.000	0.350	120.000	11322.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10807.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000
11832.412	229.095	229.095	-0.097%	10009.000	-35000.000	0.350	120.000	11317.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10802.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000
11827.412	229.161	229.161	-0.111%	10009.000	-35000.000	0.350	120.000	11312.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10797.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000
11822.412	229.228	229.228	-0.125%	10009.000	-35000.000	0.350	120.000	11307.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10792.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000
11817.412	229.294	229.294	-0.139%	10009.000	-35000.000	0.350	120.000	11302.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10787.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000
11812.412	229.361	229.361	-0.154%	10009.000	-35000.000	0.350	120.000	11297.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10782.412	231.227	231.227	-0.549%	-9991.000	31000.000	0.350	120.000
11807.412	229.428	229.428	-0.168%	10009.000	-35000.000	0.350	120.000	11292.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10777.412	231.150	231.150	-0.533%	-9991.000	31000.000	0.350	120.000
11802.412	229.495	229.495	-0.182%	10009.000	-35000.000	0.350	120.000	11287.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10772.412	231.073	231.073	-0.517%	-9991.000	31000.000	0.350	120.000
11797.412	229.561	229.561	-0.197%	10009.000	-35000.000	0.350	120.000	11282.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10767.412	230.996	230.996	-0.500%	-9991.000	31000.000	0.350	120.000
11792.412	229.628	229.628	-0.211%	10009.000	-35000.000	0.350	120.000	11277.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10762.412	230.919	230.919	-0.484%	-9991.000	31000.000	0.350	120.000
11787.412	229.695	229.695	-0.225%	10009.000	-35000.000	0.350	120.000	11272.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10757.412	230.843	230.843	-0.468%	-9991.000	31000.000	0.350	120.000
11782.412	229.762	229.762	-0.239%	10009.000	-35000.000	0.350	120.000	11267.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10752.412	230.766	230.766	-0.452%	-9991.000	31000.000	0.350	120.000
11777.412	229.829	229.829	-0.254%	10009.000	-35000.000	0.350	120.000	11262.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10747.412	230.689	230.689	-0.436%	-9991.000	31000.000	0.350	120.000
11772.412	229.896	229.896	-0.268%	10009.000	-35000.000	0.350	120.000	11257.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10742.412	230.613	230.613	-0.420%	-9991.000	31000.000	0.350	120.000
11767.412	229.964	229.964	-0.282%	10009.000	-35000.000	0.350	120.000	11252.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10737.412	230.536	230.536	-0.404%	-9991.000	31000.000	0.350	120.000
11762.412	230.031	230.031	-0.297%	10009.000	-35000.000	0.350	120.000	11247.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10732.412	230.460	230.460	-0.388%	-9991.000	31000.000	0.350	120.000
11757.412	230.098	230.098	-0.311%	10009.000	-35000.000	0.350	120.000	11242.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10727.412	230.384	230.384	-0.371%	-9991.000	31000.000	0.350	120.000
11752.412	230.165	230.165	-0.325%	10009.000	-35000.000	0.350	120.000	11237.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10722.412	230.307	230.307	-0.355%	-9991.000	31000.000	0.350	120.000
11747.412	230.233	230.233	-0.339%	10009.000	-35000.000	0.350	120.000	11232.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10717.412	230.231	230.231	-0.339%	-9991.000	31000.000	0.350	120.000
11742.412	230.300	230.300	-0.354%	10009.000	-35000.000	0.350	120.000	11227.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10712.412	230.155	230.155	-0.323%	-9991.000	31000.000	0.350	120.000
11737.412	230.368	230.368	-0.368%	10009.000	-35000.000	0.350	120.000	11222.412	231.243	231.243	-0.552%	-9991.000	0.000	0.350	120.000	10707.412	230.079	230.079	-0.307%	-9991.000	31000.000	0.350	120.000
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Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



10392.412	225.429	225.429	0.709%	-9991.000	31000.000	0.350	120.000	9877.412	220.768	220.768	1.789%	7610.619	0.000	0.350	120.000	9362.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10387.412	225.358	225.358	0.725%	-9991.000	31000.000	0.350	120.000	9872.412	220.768	220.768	1.789%	7017.236	0.000	0.350	120.000	9357.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10382.412	225.286	225.286	0.742%	-9991.000	31000.000	0.350	120.000	9867.412	220.768	220.768	1.789%	6509.784	0.000	0.350	120.000	9352.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10377.412	225.214	225.214	0.758%	-9991.000	31000.000	0.350	120.000	9862.412	220.768	220.768	1.789%	6070.857	0.000	0.350	120.000	9347.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10372.412	225.143	225.143	0.774%	-9991.000	31000.000	0.350	120.000	9857.412	220.768	220.768	1.789%	5687.454	0.000	0.350	120.000	9342.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10367.412	225.072	225.072	0.790%	-9991.000	31000.000	0.350	120.000	9852.412	220.768	220.768	1.789%	5349.664	0.000	0.350	120.000	9337.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10362.412	225.000	225.000	0.806%	-9991.000	31000.000	0.350	120.000	9847.412	220.768	220.768	1.789%	5049.806	0.000	0.350	120.000	9332.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10357.412	224.929	224.929	0.822%	-9991.000	31000.000	0.350	120.000	9842.412	220.768	220.768	1.789%	4781.830	0.000	0.350	120.000	9327.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10352.412	224.858	224.858	0.838%	-9991.000	31000.000	0.350	120.000	9837.412	220.768	220.768	1.789%	4540.908	0.000	0.350	120.000	9322.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10347.412	224.786	224.786	0.854%	-9991.000	31000.000	0.350	120.000	9832.412	220.768	220.768	1.789%	4323.139	0.000	0.350	120.000	9317.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10342.412	224.715	224.715	0.871%	-9991.000	31000.000	0.350	120.000	9827.412	220.768	220.768	1.789%	4125.339	0.000	0.350	120.000	9312.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10337.412	224.644	224.644	0.887%	-9991.000	31000.000	0.350	120.000	9822.412	220.768	220.768	1.789%	3944.882	0.000	0.350	120.000	9307.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10332.412	224.573	224.573	0.903%	-9991.000	31000.000	0.350	120.000	9817.412	220.768	220.768	1.789%	3779.583	0.000	0.350	120.000	9302.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10327.412	224.502	224.502	0.919%	-9991.000	31000.000	0.350	120.000	9812.412	220.768	220.768	1.789%	3627.608	0.000	0.350	120.000	9297.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10322.412	224.432	224.432	0.935%	-9991.000	31000.000	0.350	120.000	9807.412	220.768	220.768	1.789%	3487.410	0.000	0.350	120.000	9292.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10317.412	224.361	224.361	0.951%	-9991.000	31000.000	0.350	120.000	9802.412	220.768	220.768	1.789%	3357.670	0.000	0.350	120.000	9287.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10312.412	224.290	224.290	0.967%	-9991.000	31000.000	0.350	120.000	9797.412	220.768	220.768	1.789%	3237.261	0.000	0.350	120.000	9282.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10307.412	224.219	224.219	0.983%	-9991.000	31000.000	0.350	120.000	9792.412	220.768	220.768	1.789%	3125.210	0.000	0.350	120.000	9277.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10302.412	224.149	224.149	1.000%	-9991.000	31000.000	0.350	120.000	9787.412	220.768	220.768	1.789%	3020.676	0.000	0.350	120.000	9272.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10297.412	224.078	224.078	1.016%	-9991.000	31000.000	0.350	120.000	9782.412	220.768	220.768	1.789%	2922.928	0.000	0.350	120.000	9267.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10292.412	224.008	224.008	1.032%	-9991.000	31000.000	0.350	120.000	9777.412	220.768	220.768	1.789%	2831.326	0.000	0.350	120.000	9262.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10287.412	223.937	223.937	1.048%	-9991.000	31000.000	0.350	120.000	9772.412	220.768	220.768	1.789%	2745.307	0.000	0.350	120.000	9257.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10282.412	223.867	223.867	1.064%	-9991.000	31000.000	0.350	120.000	9767.412	220.768	220.768	1.789%	2664.377	0.000	0.350	120.000	9252.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10277.412	223.797	223.797	1.080%	-9991.000	31000.000	0.350	120.000	9762.412	220.768	220.768	1.789%	2588.096	0.000	0.350	120.000	9247.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10272.412	223.727	223.727	1.096%	-9991.000	31000.000	0.350	120.000	9757.412	220.768	220.768	1.789%	2516.076	0.000	0.350	120.000	9242.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10267.412	223.657	223.657	1.112%	-9991.000	31000.000	0.350	120.000	9752.412	220.768	220.768	1.789%	2447.969	0.000	0.350	120.000	9237.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10262.412	223.586	223.586	1.129%	-9991.000	31000.000	0.350	120.000	9747.412	220.768	220.768	1.789%	2383.464	0.000	0.350	120.000	9232.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10257.412	223.516	223.516	1.145%	-9991.000	31000.000	0.350	120.000	9742.412	220.768	220.768	1.789%	2322.283	0.000	0.350	120.000	9227.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10252.412	223.446	223.446	1.161%	-9991.000	31000.000	0.350	120.000	9737.412	220.768	220.768	1.789%	2264.176	0.000	0.350	120.000	9222.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10247.412	223.377	223.377	1.177%	-9991.000	31000.000	0.350	120.000	9732.412	220.768	220.768	1.789%	2208.916	0.000	0.350	120.000	9217.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10242.412	223.307	223.307	1.193%	-9991.000	31000.000	0.350	120.000	9727.412	220.768	220.768	1.789%	2156.300	0.000	0.350	120.000	9212.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10237.412	223.237	223.237	1.209%	-9991.000	31000.000	0.350	120.000	9722.412	220.768	220.768	1.789%	2106.142	0.000	0.350	120.000	9207.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10232.412	223.167	223.167	1.225%	-9991.000	31000.000	0.350	120.000	9717.412	220.768	220.768	1.789%	2058.274	0.000	0.350	120.000	9202.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10227.412	223.098	223.098	1.242%	-9991.000	31000.000	0.350	120.000	9712.412	220.768	220.768	1.789%	2012.542	0.000	0.350	120.000	9197.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10222.412	223.028	223.028	1.258%	-9991.000	31000.000	0.350	120.000	9707.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000	9192.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10217.412	222.958	222.958	1.274%	-9991.000	31000.000	0.350	120.000	9702.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000	9187.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10212.412	222.889	222.889	1.290%	-9991.000	31000.000	0.350	120.000	9697.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000	9182.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10207.412	222.820	222.820	1.306%	-9991.000	31000.000	0.350	120.000	9692.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000	9177.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10202.412	222.750	222.750	1.322%	-9991.000	31000.000	0.350	120.000	9687.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000	9172.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10197.412	222.681	222.681	1.338%	-9991.000	31000.000	0.350	120.000	9682.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000	9167.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10192.412	222.612	222.612	1.354%	-9991.000	31000.000	0.350	120.000	9677.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000	9162.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000
10187.412	222.543	222.543	1.371%	-9991.000	31000.000	0.350	120.000	9672.412	220.768	220.768	1.789%	2009.000	0.000	0.350	120.000								

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



8847.412	220.779	220.779	1.787%	2009.000	-31000.000	0.350	120.000	8332.412	228.068	228.068	0.125%	2009.000	-31000.000	0.350	120.000	7817.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8842.412	220.847	220.847	1.771%	2009.000	-31000.000	0.350	120.000	8327.412	228.142	228.142	0.109%	2009.000	-31000.000	0.350	120.000	7812.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8837.412	220.915	220.915	1.754%	2009.000	-31000.000	0.350	120.000	8322.412	228.217	228.217	0.093%	2009.000	-31000.000	0.350	120.000	7807.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8832.412	220.982	220.982	1.738%	2009.000	-31000.000	0.350	120.000	8317.412	228.291	228.291	0.077%	2009.000	-31000.000	0.350	120.000	7802.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8827.412	221.050	221.050	1.722%	2009.000	-31000.000	0.350	120.000	8312.412	228.365	228.365	0.061%	2009.000	-31000.000	0.350	120.000	7797.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8822.412	221.118	221.118	1.706%	2009.000	-31000.000	0.350	120.000	8307.412	228.440	228.440	0.045%	2009.000	-31000.000	0.350	120.000	7792.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8817.412	221.186	221.186	1.690%	2009.000	-31000.000	0.350	120.000	8302.412	228.514	228.514	0.029%	2009.000	-31000.000	0.350	120.000	7787.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8812.412	221.254	221.254	1.674%	2009.000	-31000.000	0.350	120.000	8297.412	228.589	228.589	0.012%	2009.000	-31000.000	0.350	120.000	7782.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8807.412	221.322	221.322	1.658%	2009.000	-31000.000	0.350	120.000	8292.412	228.663	228.663	-0.004%	2009.000	-31000.000	0.350	120.000	7777.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8802.412	221.390	221.390	1.641%	2009.000	-31000.000	0.350	120.000	8287.412	228.738	228.738	-0.020%	2009.000	-31000.000	0.350	120.000	7772.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8797.412	221.458	221.458	1.625%	2009.000	-31000.000	0.350	120.000	8282.412	228.813	228.813	-0.036%	2009.000	-31000.000	0.350	120.000	7767.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8792.412	221.526	221.526	1.609%	2009.000	-31000.000	0.350	120.000	8277.412	228.888	228.888	-0.052%	2009.000	-31000.000	0.350	120.000	7762.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8787.412	221.595	221.595	1.593%	2009.000	-31000.000	0.350	120.000	8272.412	228.963	228.963	-0.068%	2009.000	-31000.000	0.350	120.000	7757.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8782.412	221.663	221.663	1.577%	2009.000	-31000.000	0.350	120.000	8267.412	229.038	229.038	-0.084%	2009.000	-31000.000	0.350	120.000	7752.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8777.412	221.731	221.731	1.561%	2009.000	-31000.000	0.350	120.000	8262.412	229.113	229.113	-0.100%	2009.000	-31000.000	0.350	120.000	7747.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8772.412	221.800	221.800	1.545%	2009.000	-31000.000	0.350	120.000	8257.412	229.188	229.188	-0.117%	2009.000	-31000.000	0.350	120.000	7742.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8767.412	221.868	221.868	1.529%	2009.000	-31000.000	0.350	120.000	8252.412	229.263	229.263	-0.133%	2009.000	-31000.000	0.350	120.000	7737.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8762.412	221.937	221.937	1.512%	2009.000	-31000.000	0.350	120.000	8247.412	229.338	229.338	-0.149%	2009.000	-31000.000	0.350	120.000	7732.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8757.412	222.005	222.005	1.496%	2009.000	-31000.000	0.350	120.000	8242.412	229.413	229.413	-0.165%	2009.000	-31000.000	0.350	120.000	7727.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8752.412	222.074	222.074	1.480%	2009.000	-31000.000	0.350	120.000	8237.412	229.489	229.489	-0.181%	2009.000	-31000.000	0.350	120.000	7722.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8747.412	222.143	222.143	1.464%	2009.000	-31000.000	0.350	120.000	8232.412	229.564	229.564	-0.197%	2009.000	-31000.000	0.350	120.000	7717.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8742.412	222.212	222.212	1.448%	2009.000	-31000.000	0.350	120.000	8227.412	229.640	229.640	-0.213%	2009.000	-31000.000	0.350	120.000	7712.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8737.412	222.280	222.280	1.432%	2009.000	-31000.000	0.350	120.000	8222.412	229.715	229.715	-0.229%	2009.000	-31000.000	0.350	120.000	7707.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8732.412	222.349	222.349	1.416%	2009.000	-31000.000	0.350	120.000	8217.412	229.791	229.791	-0.246%	2009.000	-31000.000	0.350	120.000	7702.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8727.412	222.418	222.418	1.400%	2009.000	-31000.000	0.350	120.000	8212.412	229.867	229.867	-0.262%	2009.000	-31000.000	0.350	120.000	7697.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8722.412	222.487	222.487	1.383%	2009.000	-31000.000	0.350	120.000	8207.412	229.943	229.943	-0.278%	2009.000	-31000.000	0.350	120.000	7692.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8717.412	222.557	222.557	1.367%	2009.000	-31000.000	0.350	120.000	8202.412	230.019	230.019	-0.294%	2009.000	-31000.000	0.350	120.000	7687.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8712.412	222.626	222.626	1.351%	2009.000	-31000.000	0.350	120.000	8197.412	230.095	230.095	-0.310%	2009.000	-31000.000	0.350	120.000	7682.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8707.412	222.695	222.695	1.335%	2009.000	-31000.000	0.350	120.000	8192.412	230.171	230.171	-0.326%	2009.000	-31000.000	0.350	120.000	7677.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8702.412	222.764	222.764	1.319%	2009.000	-31000.000	0.350	120.000	8187.412	230.247	230.247	-0.342%	2009.000	-31000.000	0.350	120.000	7672.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8697.412	222.834	222.834	1.303%	2009.000	-31000.000	0.350	120.000	8182.412	230.323	230.323	-0.359%	2009.000	-31000.000	0.350	120.000	7667.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8692.412	222.903	222.903	1.287%	2009.000	-31000.000	0.350	120.000	8177.412	230.399	230.399	-0.375%	2009.000	-31000.000	0.350	120.000	7662.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8687.412	222.972	222.972	1.271%	2009.000	-31000.000	0.350	120.000	8172.412	230.475	230.475	-0.391%	2009.000	-31000.000	0.350	120.000	7657.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8682.412	223.042	223.042	1.254%	2009.000	-31000.000	0.350	120.000	8167.412	230.552	230.552	-0.407%	2009.000	-31000.000	0.350	120.000	7652.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8677.412	223.112	223.112	1.238%	2009.000	-31000.000	0.350	120.000	8162.412	230.628	230.628	-0.423%	2009.000	-31000.000	0.350	120.000	7647.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8672.412	223.181	223.181	1.222%	2009.000	-31000.000	0.350	120.000	8157.412	230.705	230.705	-0.439%	2009.000	-31000.000	0.350	120.000	7642.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8667.412	223.251	223.251	1.206%	2009.000	-31000.000	0.350	120.000	8152.412	230.781	230.781	-0.455%	2009.000	-31000.000	0.350	120.000	7637.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8662.412	223.321	223.321	1.190%	2009.000	-31000.000	0.350	120.000	8147.412	230.858	230.858	-0.471%	2009.000	-31000.000	0.350	120.000	7632.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8657.412	223.391	223.391	1.174%	2009.000	-31000.000	0.350	120.000	8142.412	230.935	230.935	-0.488%	2009.000	-31000.000	0.350	120.000	7627.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8652.412	223.461	223.461	1.158%	2009.000	-31000.000	0.350	120.000	8137.412	231.011	231.011	-0.504%	2009.000	-31000.000	0.350	120.000	7622.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8647.412	223.530	223.530	1.141%	2009.000	-31000.000	0.350	120.000	8132.412	231.088	231.088	-0.520%	2009.000	-31000.000	0.350	120.000	7617.412	235.373	235.373	-1.396%	2009.000	0.000	0.350	120.000
8642.412	223.601	223.601	1.125%	2009.000	-31000.																		

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



7302.412	224.735	224.735	0.866%	2009.000	11000.000	0.350	120.000	6787.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	6272.412	225.228	225.228	0.755%	-791.000	-20000.000	0.350	120.000
7297.412	224.535	224.535	0.912%	2009.000	11000.000	0.350	120.000	6782.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	6267.412	225.339	225.339	0.730%	-791.000	-20000.000	0.350	120.000
7292.412	224.335	224.335	0.957%	2009.000	11000.000	0.350	120.000	6777.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	6262.412	225.450	225.450	0.705%	-791.000	-20000.000	0.350	120.000
7287.412	224.136	224.136	1.002%	2009.000	11000.000	0.350	120.000	6772.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	6257.412	225.561	225.561	0.680%	-791.000	-20000.000	0.350	120.000
7282.412	223.938	223.938	1.048%	2009.000	11000.000	0.350	120.000	6767.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	6252.412	225.672	225.672	0.655%	-791.000	-20000.000	0.350	120.000
7277.412	223.740	223.740	1.093%	2009.000	11000.000	0.350	120.000	6762.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	6247.412	225.784	225.784	0.630%	-791.000	-20000.000	0.350	120.000
7272.412	223.542	223.542	1.139%	2009.000	11000.000	0.350	120.000	6757.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	6242.412	225.896	225.896	0.605%	-791.000	-20000.000	0.350	120.000
7267.412	223.345	223.345	1.184%	2009.000	11000.000	0.350	120.000	6752.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	6237.412	226.007	226.007	0.580%	-791.000	-20000.000	0.350	120.000
7262.412	223.148	223.148	1.230%	2020.035	11000.000	0.350	120.000	6747.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	6232.412	226.120	226.120	0.555%	-791.000	-20000.000	0.350	120.000
7257.412	222.952	222.952	1.275%	2066.113	11000.000	0.350	120.000	6742.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	6227.412	226.232	226.232	0.530%	-791.000	-20000.000	0.350	120.000
7252.412	222.757	222.757	1.321%	2114.353	11000.000	0.350	120.000	6737.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	6222.412	226.344	226.344	0.505%	-791.000	-20000.000	0.350	120.000
7247.412	222.562	222.562	1.366%	2164.909	11000.000	0.350	120.000	6732.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	6217.412	226.457	226.457	0.480%	-791.000	-20000.000	0.350	120.000
7242.412	222.367	222.367	1.412%	2217.953	11000.000	0.350	120.000	6727.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	6212.412	226.569	226.569	0.455%	-791.000	-20000.000	0.350	120.000
7237.412	222.173	222.173	1.457%	2273.674	11000.000	0.350	120.000	6722.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	6207.412	226.682	226.682	0.430%	-791.000	-20000.000	0.350	120.000
7232.412	221.979	221.979	1.502%	2332.278	11000.000	0.350	120.000	6717.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	6202.412	226.795	226.795	0.405%	-791.000	-20000.000	0.350	120.000
7227.412	221.786	221.786	1.548%	2393.995	11000.000	0.350	120.000	6712.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	6197.412	226.908	226.908	0.380%	-791.000	-20000.000	0.350	120.000
7222.412	221.593	221.593	1.593%	2459.081	11000.000	0.350	120.000	6707.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	6192.412	227.022	227.022	0.355%	-791.000	-20000.000	0.350	120.000
7217.412	221.401	221.401	1.639%	2527.819	11000.000	0.350	120.000	6702.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	6187.412	227.135	227.135	0.330%	-791.000	-20000.000	0.350	120.000
7212.412	221.209	221.209	1.684%	2600.526	11000.000	0.350	120.000	6697.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	6182.412	227.249	227.249	0.305%	-791.000	-20000.000	0.350	120.000
7207.412	221.018	221.018	1.730%	2677.554	11000.000	0.350	120.000	6692.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	6177.412	227.362	227.362	0.280%	-791.000	-20000.000	0.350	120.000
7202.412	220.827	220.827	1.775%	2759.302	11000.000	0.350	120.000	6687.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	6172.412	227.476	227.476	0.255%	-791.000	-20000.000	0.350	120.000
7197.412	220.637	220.637	1.821%	2846.217	11000.000	0.350	120.000	6682.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	6167.412	227.590	227.590	0.230%	-791.000	-20000.000	0.350	120.000
7192.412	220.447	220.447	1.866%	2938.805	11000.000	0.350	120.000	6677.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	6162.412	227.705	227.705	0.205%	-791.000	-20000.000	0.350	120.000
7187.412	220.405	220.405	1.876%	3037.639	0.000	0.350	120.000	6672.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	6157.412	227.819	227.819	0.180%	-791.000	-20000.000	0.350	120.000
7182.412	220.405	220.405	1.876%	3143.374	0.000	0.350	120.000	6667.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	6152.412	227.934	227.934	0.155%	-791.000	-20000.000	0.350	120.000
7177.412	220.405	220.405	1.876%	3256.758	0.000	0.350	120.000	6662.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	6147.412	228.049	228.049	0.130%	-791.000	-20000.000	0.350	120.000
7172.412	220.405	220.405	1.876%	3378.654	0.000	0.350	120.000	6657.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	6142.412	228.164	228.164	0.105%	-791.000	-20000.000	0.350	120.000
7167.412	220.405	220.405	1.876%	3510.057	0.000	0.350	120.000	6652.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	6137.412	228.279	228.279	0.080%	-791.000	-20000.000	0.350	120.000
7162.412	220.405	220.405	1.876%	3652.124	0.000	0.350	120.000	6647.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	6132.412	228.394	228.394	0.055%	-791.000	-20000.000	0.350	120.000
7157.412	220.405	220.405	1.876%	3806.209	0.000	0.350	120.000	6642.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	6127.412	228.509	228.509	0.030%	-791.000	-20000.000	0.350	120.000
7152.412	220.405	220.405	1.876%	3973.903	0.000	0.350	120.000	6637.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	6122.412	228.625	228.625	0.005%	-791.000	-20000.000	0.350	120.000
7147.412	220.405	220.405	1.876%	4157.093	0.000	0.350	120.000	6632.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	Izquierda Pk inicio 5960.177 Pk fin 5960.177	228.741	228.741	-0.020%	-791.000	-20000.000	0.350	120.000
7142.412	220.405	220.405	1.876%	4358.030	0.000	0.350	120.000	6627.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	6117.412	228.857	228.857	-0.045%	-791.000	-20000.000	0.350	120.000
7137.412	220.405	220.405	1.876%	4579.426	0.000	0.350	120.000	6622.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	Izquierda Pk inicio 5960.667 Pk fin 5960.667	228.973	228.973	-0.070%	-791.000	-20000.000	0.350	120.000
7132.412	220.405	220.405	1.876%	4824.572	0.000	0.350	120.000	6617.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	6112.412	229.089	229.089	-0.095%	-791.000	-20000.000	0.350	120.000
7127.412	220.405	220.405	1.876%	5097.507	0.000	0.350	120.000	6612.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	Izquierda Pk inicio 5961.035 Pk fin 5961.035	229.205	229.205	-0.120%	-791.000	-20000.000	0.350	120.000
7122.412	220.405	220.405	1.876%	5403.239	0.000	0.350	120.000	6607.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	6107.412	229.322	229.322	-0.145%	-791.000	-20000.000	0.350	120.000
7117.412	220.405	220.405	1.876%	5748.058	0.000	0.350	120.000	6602.412	220.405	220.405	1.876%	0.000	0.000	0.350	120.000	Izquierda Pk inicio 5961.272 Pk fin 5961.272	229.439	229.439	-0.170%	-791.000	-20000.000	0.350	120.000
7112.412	220.405	220.405	1.876%	6139.971	0.000	0.350																	

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2016

Actualización 2019:



4257.412	233.976	233.976	-1.115%	-891.000	0.000	0.350	120.000		3742.412	232.967	232.967	-0.909%	-1069.177	0.000	0.350	120.000		3227.412	235.536	235.536	-1.428%	809.000	-31000.000	0.350	120.000
4252.412	233.976	233.976	-1.115%	-891.000	0.000	0.350	120.000		3737.412	232.967	232.967	-0.909%	-1133.254	0.000	0.350	120.000		3222.412	235.617	235.617	-1.444%	809.000	-31000.000	0.350	120.000
4247.412	233.976	233.976	-1.115%	-891.000	0.000	0.350	120.000		3732.412	232.967	232.967	-0.909%	-1205.428	0.000	0.350	120.000		3217.412	235.698	235.698	-1.460%	809.000	-31000.000	0.350	120.000
4242.412	233.976	233.976	-1.115%	-891.000	0.000	0.350	120.000		3727.412	232.967	232.967	-0.909%	-1287.337	0.000	0.350	120.000		3212.412	235.780	235.780	-1.476%	809.000	-31000.000	0.350	120.000
4237.412	233.976	233.976	-1.115%	-891.000	0.000	0.350	120.000		3722.412	232.967	232.967	-0.909%	-1381.096	0.000	0.350	120.000		3207.412	235.861	235.861	-1.492%	809.000	-31000.000	0.350	120.000
4232.412	233.976	233.976	-1.115%	-891.000	0.000	0.350	120.000		3717.412	232.967	232.967	-0.909%	-1489.473	0.000	0.350	120.000		3202.412	235.943	235.943	-1.509%	809.000	-31000.000	0.350	120.000
4227.412	233.976	233.976	-1.115%	-891.000	0.000	0.350	120.000		3712.412	232.967	232.967	-0.909%	-1616.179	0.000	0.350	120.000		3197.412	236.024	236.024	-1.525%	809.000	-31000.000	0.350	120.000
4222.412	233.976	233.976	-1.115%	-891.000	0.000	0.350	120.000		3707.412	232.967	232.967	-0.909%	-1766.292	0.000	0.350	120.000		3192.412	236.106	236.106	-1.541%	809.000	-31000.000	0.350	120.000
4217.412	233.976	233.976	-1.115%	-891.000	0.000	0.350	120.000		3702.412	232.967	232.967	-0.909%	-1946.958	0.000	0.350	120.000		3187.412	236.188	236.188	-1.557%	809.000	-31000.000	0.350	120.000
4212.412	233.976	233.976	-1.115%	-891.000	0.000	0.350	120.000		3697.412	232.967	232.967	-0.909%	-2168.561	0.000	0.350	120.000		3182.412	236.269	236.269	-1.573%	809.000	-31000.000	0.350	120.000
4207.412	233.976	233.976	-1.115%	-891.000	0.000	0.350	120.000		3692.412	232.967	232.967	-0.909%	-2446.795	0.000	0.350	120.000		3177.412	236.351	236.351	-1.589%	809.000	-31000.000	0.350	120.000
4202.412	233.976	233.976	-1.115%	-891.000	0.000	0.350	120.000		3687.412	232.967	232.967	-0.909%	-2806.545	0.000	0.350	120.000		3172.412	236.433	236.433	-1.605%	809.000	-31000.000	0.350	120.000
4197.412	233.976	233.976	-1.115%	-891.000	0.000	0.350	120.000		3682.412	232.967	232.967	-0.909%	-3289.785	0.000	0.350	120.000		3167.412	236.515	236.515	-1.622%	809.000	-31000.000	0.350	120.000
4192.412	233.969	233.969	-1.114%	-891.000	31000.000	0.350	120.000		3677.412	232.967	232.967	-0.909%	-3973.275	0.000	0.350	120.000		3162.412	236.597	236.597	-1.638%	809.000	-31000.000	0.350	120.000
4187.412	233.890	233.890	-1.097%	-891.000	31000.000	0.350	120.000		3672.412	232.967	232.967	-0.909%	-5014.015	0.000	0.350	120.000		3157.412	236.680	236.680	-1.654%	809.000	-31000.000	0.350	120.000
4182.412	233.810	233.810	-1.081%	-891.000	31000.000	0.350	120.000		3667.412	232.967	232.967	-0.909%	-6791.202	0.000	0.350	120.000		3152.412	236.762	236.762	-1.670%	809.000	-31000.000	0.350	120.000
4177.412	233.731	233.731	-1.065%	-891.000	31000.000	0.350	120.000		3662.412	232.967	232.967	-0.909%	-10514.510	0.000	0.350	120.000		3147.412	236.844	236.844	-1.686%	809.000	-31000.000	0.350	120.000
4172.412	233.651	233.651	-1.049%	-891.000	31000.000	0.350	120.000		3657.412	232.967	232.967	-0.909%	-23248.874	0.000	0.350	120.000		3142.412	236.927	236.927	-1.702%	809.000	-31000.000	0.350	120.000
4167.412	233.572	233.572	-1.033%	-891.000	31000.000	0.350	120.000		3652.412	232.967	232.967	-0.909%	96891.028	0.000	0.350	120.000		3137.412	237.009	237.009	-1.718%	809.000	-31000.000	0.350	120.000
4162.412	233.493	233.493	-1.017%	-891.000	31000.000	0.350	120.000		3647.412	232.967	232.967	-0.909%	14340.809	0.000	0.350	120.000		3132.412	237.092	237.092	-1.734%	809.000	-31000.000	0.350	120.000
4157.412	233.414	233.414	-1.001%	-891.000	31000.000	0.350	120.000		3642.412	232.967	232.967	-0.909%	7747.267	0.000	0.350	120.000		3127.412	237.174	237.174	-1.751%	809.000	-31000.000	0.350	120.000
4152.412	233.335	233.335	-0.985%	-891.000	31000.000	0.350	120.000		3637.412	232.967	232.967	-0.909%	5308.953	0.000	0.350	120.000		3122.412	237.257	237.257	-1.767%	809.000	-31000.000	0.350	120.000
4147.412	233.256	233.256	-0.968%	-891.000	31000.000	0.350	120.000		3632.412	232.967	232.967	-0.909%	4039.081	0.000	0.350	120.000		3117.412	237.340	237.340	-1.783%	809.000	-31000.000	0.350	120.000
4142.412	233.177	233.177	-0.952%	-891.000	31000.000	0.350	120.000		3627.412	232.967	232.967	-0.909%	3260.113	0.000	0.350	120.000		3112.412	237.423	237.423	-1.799%	809.000	-31000.000	0.350	120.000
4137.412	233.098	233.098	-0.936%	-891.000	31000.000	0.350	120.000		3622.412	232.967	232.967	-0.909%	2733.499	0.000	0.350	120.000		3107.412	237.506	237.506	-1.815%	809.000	-31000.000	0.350	120.000
4132.412	233.019	233.019	-0.920%	-891.000	31000.000	0.350	120.000		3617.412	232.967	232.967	-0.909%	2353.704	0.000	0.350	120.000		3102.412	237.589	237.589	-1.831%	809.000	-31000.000	0.350	120.000
4127.412	232.967	232.967	-0.909%	-891.000	0.000	0.350	120.000		3612.412	232.967	232.967	-0.909%	2066.841	0.000	0.350	120.000		3097.412	237.672	237.672	-1.847%	809.000	-31000.000	0.350	120.000
4122.412	232.967	232.967	-0.909%	-891.000	0.000	0.350	120.000		3607.412	232.967	232.967	-0.909%	1842.520	0.000	0.350	120.000		3092.412	237.755	237.755	-1.863%	809.000	-31000.000	0.350	120.000
4117.412	232.967	232.967	-0.909%	-891.000	0.000	0.350	120.000		3602.412	232.967	232.967	-0.909%	1622.297	0.000	0.350	120.000		3087.412	237.839	237.839	-1.880%	809.000	-31000.000	0.350	120.000
4112.412	232.967	232.967	-0.909%	-891.000	0.000	0.350	120.000		3597.412	232.967	232.967	-0.909%	1514.332	0.000	0.350	120.000		3082.412	237.922	237.922	-1.896%	809.000	-31000.000	0.350	120.000
4107.412	232.967	232.967	-0.909%	-891.000	0.000	0.350	120.000		3592.412	232.967	232.967	-0.909%	1390.677	0.000	0.350	120.000		3077.412	238.006	238.006	-1.912%	809.000	-31000.000	0.350	120.000
4102.412	232.967	232.967	-0.909%	-891.000	0.000	0.350	120.000		3587.412	232.967	232.967	-0.909%	1285.909	0.000	0.350	120.000		3072.412	238.089	238.089	-1.928%	809.000	-31000.000	0.350	120.000
4097.412	232.967	232.967	-0.909%	-891.000	0.000	0.350	120.000		3582.412	232.967	232.967	-0.909%	1195.712	0.000	0.350	120.000		3067.412	238.173	238.173	-1.944%	809.000	-31000.000	0.350	120.000
4092.412	232.967	232.967	-0.909%	-891.000	0.000	0.350	120.000		3577.412	232.967	232.967	-0.909%	1117.503	0.000	0.350	120.000		3062.412	238.257	238.257	-1.960%	809.000	-31000.000	0.350	120.000
4087.412	232.967	232.967	-0.909%	-891.000	0.000	0.350	120.000		3572.412	232.967	232.967	-0.909%	1048.966	0.000	0.350	120.000		3057.412	238.340	238.340	-1.976%	809.000	-31000.000	0.350	120.000
4082.412	232.967	232.967	-0.909%	-891.000	0.000	0.350	120.000		3567.412	232.967	232.967	-0.909%	988.410	0.000	0.350	120.000		3052.412	238.424	238.424	-1.992%	809.000	-31000.000	0.350	120.000
4077.412	232.967	232.967	-0.909%	-891.000	0.000	0.350	120.000		3562.412	232.967	232.967	-0.909%	934.518	0.000	0.350	120.000		3047.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000
4072.412	232.967	232.967	-0.909%	-891.000	0.000	0.350	120.000		3557.412	232.967	232.967	-0.909%	886.247	0.000	0.350	120.000		3042.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000
4067.412	232.967	232.967	-0.909%	-891.000	0.000	0.350	120.000		3552.412	232.967	232.967	-0.909%	842.762	0.000	0.350	120.000		3037.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000
4062.412	232.967	232.967	-0.909%	-891.000	0.000	0.350	120.000		3547.412	232.967	232.967	-0.909%	809.000	0.000	0.350	120.000		3032.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000
4057.412	232.967	232.967	-0.909%	-891.000	0.000	0.350	120.000		3542.412	232.967	232.967	-0.909%	809.000	0.000	0.350	120.000		3027.412	238.467	238.467	-2.001%	809.00			

Alternativas de conexión entre la Autovía Trujillo-Cáceres (A-58) y la Autovía de La Plata (A-66) en el entorno de Cáceres

ESTUDIO INFORMATIVO – FASE B



Proyecto original:

Actualización 2019:



2712.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2197.412	238.467	238.467	-2.001%	-991.000	0.000	0.350	120.000	1682.412	227.984	227.984	0.144%	-991.000	20000.000	0.350	120.000
2707.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2192.412	238.467	238.467	-2.001%	-991.000	0.000	0.350	120.000	1677.412	227.869	227.869	0.169%	-991.000	20000.000	0.350	120.000
2702.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2187.412	238.467	238.467	-2.001%	-991.000	0.000	0.350	120.000	1672.412	227.755	227.755	0.194%	-991.000	20000.000	0.350	120.000
2697.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2182.412	238.467	238.467	-2.001%	-991.000	0.000	0.350	120.000	1667.412	227.641	227.641	0.219%	-991.000	20000.000	0.350	120.000
2692.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2177.412	238.467	238.467	-2.001%	-991.000	0.000	0.350	120.000	1662.412	227.526	227.526	0.244%	-991.000	20000.000	0.350	120.000
2687.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2172.412	238.467	238.467	-2.001%	-991.000	0.000	0.350	120.000	1657.412	227.412	227.412	0.269%	-991.000	20000.000	0.350	120.000
2682.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2167.412	238.467	238.467	-2.001%	-991.000	0.000	0.350	120.000	1652.412	227.298	227.298	0.294%	-991.000	20000.000	0.350	120.000
2677.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2162.412	238.467	238.467	-2.001%	-991.000	0.000	0.350	120.000	1647.412	227.185	227.185	0.319%	-991.000	20000.000	0.350	120.000
2672.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2157.412	238.467	238.467	-2.001%	-991.000	0.000	0.350	120.000	1642.412	227.071	227.071	0.344%	-991.000	20000.000	0.350	120.000
2667.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2152.412	238.467	238.467	-2.001%	-991.000	0.000	0.350	120.000	1637.412	226.958	226.958	0.369%	-991.000	20000.000	0.350	120.000
2662.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2147.412	238.467	238.467	-2.001%	-991.000	0.000	0.350	120.000	1632.412	226.845	226.845	0.394%	-991.000	20000.000	0.350	120.000
2657.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2142.412	238.467	238.467	-2.001%	-991.000	0.000	0.350	120.000	1627.412	226.732	226.732	0.419%	-991.000	20000.000	0.350	120.000
2652.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2137.412	238.467	238.467	-2.001%	-991.000	0.000	0.350	120.000	1622.412	226.619	226.619	0.444%	-991.000	20000.000	0.350	120.000
2647.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2132.412	238.467	238.467	-2.001%	-991.000	0.000	0.350	120.000	1617.412	226.506	226.506	0.469%	-991.000	20000.000	0.350	120.000
2642.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2127.412	238.467	238.467	-2.001%	-991.000	0.000	0.350	120.000	1612.412	226.393	226.393	0.494%	-991.000	20000.000	0.350	120.000
2637.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2122.412	238.467	238.467	-2.001%	-991.000	0.000	0.350	120.000	1607.412	226.280	226.280	0.519%	-991.000	20000.000	0.350	120.000
2632.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2117.412	238.467	238.467	-2.001%	-991.000	0.000	0.350	120.000	1602.412	226.167	226.167	0.544%	-991.000	20000.000	0.350	120.000
2627.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2112.412	238.467	238.467	-2.001%	-991.000	0.000	0.350	120.000	1597.412	226.054	226.054	0.569%	-991.000	20000.000	0.350	120.000
2622.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2107.412	238.467	238.467	-2.001%	-991.000	0.000	0.350	120.000	1592.412	225.941	225.941	0.594%	-991.000	20000.000	0.350	120.000
2617.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2102.412	238.467	238.467	-2.001%	-991.000	0.000	0.350	120.000	1587.412	225.828	225.828	0.619%	-991.000	20000.000	0.350	120.000
2612.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2097.412	238.467	238.467	-2.001%	-991.000	0.000	0.350	120.000	1582.412	225.715	225.715	0.644%	-991.000	20000.000	0.350	120.000
2607.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2092.412	237.977	237.977	-1.906%	-991.000	20000.000	0.350	120.000	1577.412	225.602	225.602	0.669%	-991.000	20000.000	0.350	120.000
2602.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2087.412	237.848	237.848	-1.881%	-991.000	20000.000	0.350	120.000	1572.412	225.489	225.489	0.694%	-991.000	20000.000	0.350	120.000
2597.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2082.412	237.719	237.719	-1.856%	-991.000	20000.000	0.350	120.000	1567.412	225.376	225.376	0.719%	-991.000	20000.000	0.350	120.000
2592.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2077.412	237.590	237.590	-1.831%	-991.000	20000.000	0.350	120.000	1562.412	225.263	225.263	0.744%	-991.000	20000.000	0.350	120.000
2587.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2072.412	237.461	237.461	-1.806%	-991.000	20000.000	0.350	120.000	1557.412	225.150	225.150	0.769%	-991.000	20000.000	0.350	120.000
2582.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2067.412	237.332	237.332	-1.781%	-991.000	20000.000	0.350	120.000	1552.412	225.037	225.037	0.794%	-991.000	20000.000	0.350	120.000
2577.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2062.412	237.203	237.203	-1.756%	-991.000	20000.000	0.350	120.000	1547.412	224.924	224.924	0.819%	-991.000	20000.000	0.350	120.000
2572.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2057.412	237.074	237.074	-1.731%	-991.000	20000.000	0.350	120.000	1542.412	224.811	224.811	0.844%	-991.000	20000.000	0.350	120.000
2567.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2052.412	236.945	236.945	-1.706%	-991.000	20000.000	0.350	120.000	1537.412	224.698	224.698	0.869%	-991.000	20000.000	0.350	120.000
2562.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2047.412	236.816	236.816	-1.681%	-991.000	20000.000	0.350	120.000	1532.412	224.585	224.585	0.894%	-991.000	20000.000	0.350	120.000
2557.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2042.412	236.687	236.687	-1.656%	-991.000	20000.000	0.350	120.000	1527.412	224.472	224.472	0.919%	-991.000	20000.000	0.350	120.000
2552.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2037.412	236.558	236.558	-1.631%	-991.000	20000.000	0.350	120.000	1522.412	224.359	224.359	0.944%	-991.000	20000.000	0.350	120.000
2547.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2032.412	236.429	236.429	-1.606%	-991.000	20000.000	0.350	120.000	1517.412	224.246	224.246	0.969%	-991.000	20000.000	0.350	120.000
2542.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2027.412	236.300	236.311	-1.581%	-991.000	20000.000	0.350	120.000	1512.412	224.133	224.133	0.994%	-991.000	20000.000	0.350	120.000
2537.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2022.412	236.171	236.184	-1.556%	-991.000	20000.000	0.350	120.000	1507.412	224.020	224.020	1.019%	-991.000	20000.000	0.350	120.000
2532.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2017.412	236.042	236.057	-1.531%	-991.000	20000.000	0.350	120.000	1502.412	223.907	223.907	1.044%	-991.000	20000.000	0.350	120.000
2527.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2012.412	235.913	235.931	-1.506%	-991.000	20000.000	0.350	120.000	1497.412	223.794	223.794	1.069%	-991.000	20000.000	0.350	120.000
2522.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2007.412	235.784	235.805	-1.481%	-991.000	20000.000	0.350	120.000	1492.412	223.681	223.681	1.094%	-991.000	20000.000	0.350	120.000
2517.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	2002.412	235.655	235.679	-1.456%	-991.000	20000.000	0.350	120.000	1487.412	223.568	223.568	1.119%	-991.000	20000.000	0.350	120.000
2512.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	1997.412	235.526	235.553	-1.431%	-991.000	20000.000	0.350	120.000	1482.412	223.455	223.455	1.144%	-991.000	20000.000	0.350	120.000
2507.412	238.467	238.467	-2.001%	809.000	0.000	0.350	120.000	1992.412	235.397	235.427	-1.406%	-991.000	20000.000	0.350	120.000	1477.412	223.342	223.342	1.169%	-991.000	20000.000	0.350	120.000
2502.412	238.467	238.467																					

