

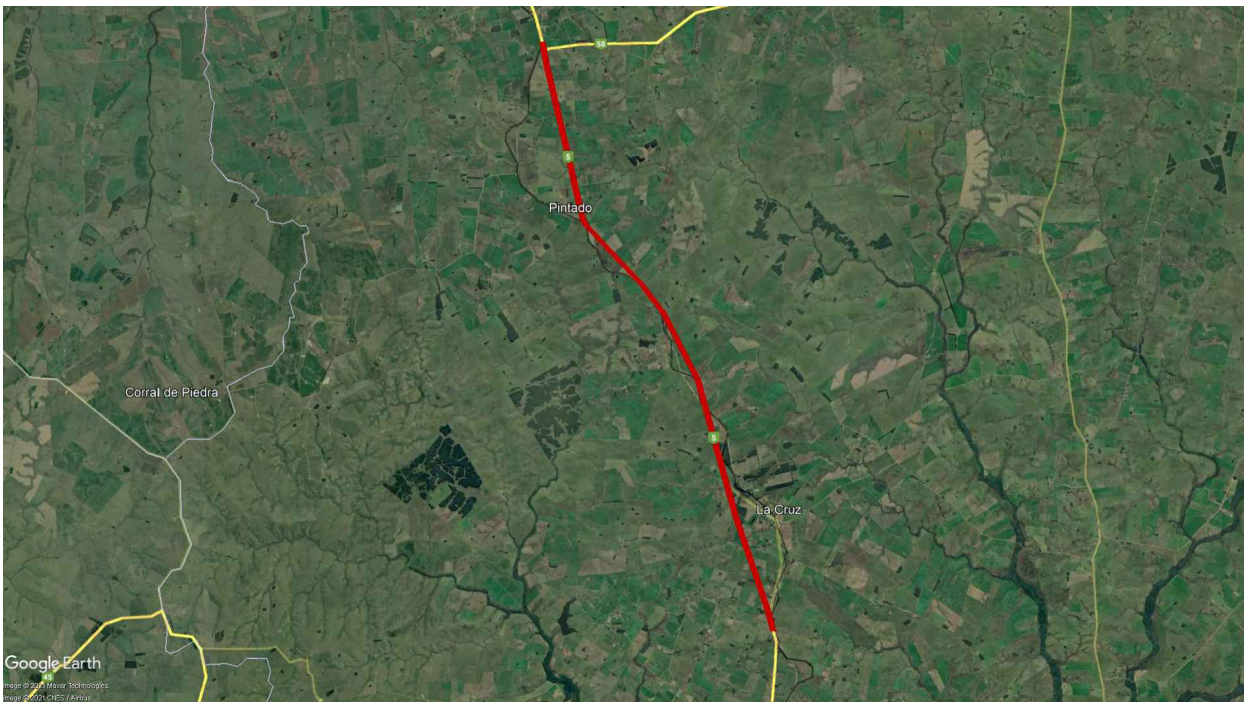


TABLA R5-EJE 112-113											
Nº	PROGRESIVA INICIO	PROGRESIVA VÉRTICE	PROGRESIVA FINAL	ÁNGULO	LONGITUD (DESARROLLO)	RADIO	TANGENTE	BISSECTRIZ	COORDENADAS INICIO	COORDENADAS VÉRTICE	COORDENADAS FINAL
L1	112+000.00		112+928.21		928.21				(570465.435-612.162.947)	(570291.153-6242076.142)	(570291.153-6242076.142)
S1	112+928.21	112+968.21	112+988.21		60.00				(570299.153-6242076.142)	(570291.987-6242115.495)	(570288.142-6242135.122)
C1	112+988.21	113+058.96	113+129.66	3°36'07"	141.43	2250.00	70.75	1.11	(570288.142-624315.122)	(570275.71-6242204.823)	(570256.604-6242272.904)
S2	113+129.66	113+149.66	113+189.66		60.00				(570256.604-6242227.991)	(570251.534-6242292.338)	(570240.876-6242303.893)
L2	113+189.66		116+256.04		3066.37				(570240.876-6242303.893)		(569424.014-6245286.460)
S3	116+256.04	116+296.04	116+316.04		60.00				(569424.014-6245286.460)	(569413.358-6245325.015)	(569408.287-6245344.362)
L4	116+316.04	116+356.05	116+396.06	2°02'16"	80.02	2250.00	40.02	0.36	(569408.287-6245344.362)	(569397.365-6245382.881)	(569389.381-6245421.162)
S4	116+396.06	116+416.06	116+456.06		60.00				(569389.381-6245422.116)	(569385.001-6245441.631)	(569376.764-6245480.774)
L3	116+456.06		117+282.33		826.27				(569376.764-6245480.774)		(569206.607-6246239.336)
C3	117+282.33	117+399.92	117+517.50	1°20'51"	235.16	10000.00	117.59	0.69	(569206.607-6246239.336)	(569182.392-6246404.403)	(569155.477-6246518.869)
L4	117+517.50		117+659.30		141.80				(569155.477-6246518.869)		(569013.022-6246656.903)
C4	117+659.30	117+777.27	117+895.24	1°21'07"	235.94	10000.00	117.98	0.70	(569132.022-6246656.903)	(569096.018-6246771.750)	(569071.731-6246887.202)
L5	117+895.24		119+356.24		1461.06				(569071.731-6246887.202)		(568770.962-6248316.968)
L6	119+356.30		120+578.16		1221.86				(568770.962-6248316.968)		(568515.992-6249512.714)
L7	120+578.16		120+888.43		310.28				(568515.992-6249512.714)		(568458.701-6249816.936)
S5	120+888.43	120+938.44	120+963.43		75.00				(568458.701-6249816.936)	(568448.823-6249865.956)	(568442.807-6249890.226)
C5	120+963.43	121+016.89	121+070.21	7°11'50"	106.70	850.00	53.46	1.68	(568442.807-6249890.226)	(568433.265-6249949.161)	(568410.686-6249991.980)
S6	121+070.21	121+095.21	121+145.21		75.00				(568410.686-6249991.980)	(568403.677-6250015.305)	(568381.621-6250061.122)
L8	121+145.21		122+502.39		1357.18				(568381.621-6250061.122)		(567837.280-6251304.347)
C6	122+502.39	122+646.58	122+790.70	2°21'37"	288.33	7000.00	144.19	1.48	(567837.280-6251304.347)	(567779.446-6251436.435)	(567727.101-6251570.793)
L9	122+790.74		122+932.16		141.42				(567727.101-6251570.793)		(567675.763-6251702.566)
C7	122+932.16	123+076.35	123+220.50	2°21'37"	288.33	7000.00	144.19	1.48	(567675.763-6251702.566)	(567623.418-6251836.924)	(567565.584-6251969.013)
L10	123+220.50		123+361.96		141.45				(567565.584-6251969.013)		(567508.850-6252098.588)
S7	123+361.96	123+405.29	123+426.96		65.00				(567508.850-6252098.588)	(567491.469-6252138.284)	(567482.244-6252157.891)
C8	123+426.96	123+505.12	123+585.06	7°27'13"	156.00	1200.00	78.16	2.54	(567482.244-6252157.891)	(567451.343-6252229.930)	(567406.796-6252294.482)




TABLA R5-EJE 112-133												
Nº	PROGRESIVA INICIO	PROGRESIVA VÉRTICE	PROGRESIVA FINAL	ÁNGULO	LONGITUD (DESARROLLO)	RADIO	TANGENTE	BISECTRIZ	COORDENADAS INICIO	COORDENADAS VÉRTICE	COORDENADAS FINAL	COORDENADAS
S8	123+583.06	123+604.73	123+648.06		65.00				(567406.796-6252394.428)	(567395.105-6253212.672)	(567370.746-625348.512)	
L11	123+648.06		124+581.45		933.38				(567406.796-6252348.512)		(566846.066-6253120.470)	
L9	124+581.45	124+621.45	124+641.45		60.00				(566846.066-6253120.470)	(566823.581-6253153.553)	(566812.009-6253169.408)	
C9	124+641.45	124+685.46	124+729.44	3°21'40"	87.98	1500.00	44.01	0.65	(566812.009-6253169.466)	(566787.570-6253206.635)	(566759.024-6253240.105)	
S10	124+729.44	124+749.44	124+789.44		60.00				(566759.024-6253240.105)	(566746.516-6253255.712)	(566720.881-6253286.419)	
L12	124+789.44		125+980.82		1191.38				(566720.881-6253286.419)		(565957.374-6254200.992)	
C13	125+980.82		126+503.02		522.20				(565957.374-6254200.992)		(565622.916-6254602.030)	
L10	126+503.02	126+563.05	126+623.08	1°54'39"	120.05	3600.00	60.03	0.50	(565622.916-6254602.030)	(565584.467-6254648.133)	(565547.577-6254695.493)	
C14	126+623.08		126+872.21		249.13				(565547.577-6254695.493)		(565394.482-6254892.033)	
L11	126+872.21	126+988.93	127+105.64	1°54'39"	233.43	7000.00	116.73	0.97	(565394.482-6254892.033)	(565322.751-6254984.121)	(565247.988-6255073.766)	
L17	127+105.64		127+265.72		160.08				(565322.751-6254984.121)		(565145.467-6255196.701)	
S11	127+265.72	127+315.72	127+340.72		75.00				(565145.467-6255196.701)	(565113.436-6255235.103)	(565098.259-6255254.974)	
C12	127+340.72	127+532.48	127+718.27	24°43'22"	374.63	875.00	191.76	20.77	(565098.259-6255254.974)	(564973.156-6255403.309)	(564939.869-6255594.479)	
S12	127+718.27	127+743.28	127+793.27		75.00				(564939.869-6255594.479)	(564934.394-6255618.877)	(564925.544-6255668.092)	
L16	127+793.27		128+180.16		386.89				(564925.544-6255668.092)		(564857.075-6256048.874)	
L18	128+180.16		129+540.81		1360.64				(564857.075-6256048.874)		(564629.121-6257390.287)	
L18	129+540.81		130+543.28		1002.47				(564629.121-6257390.287)		(564464.951-6258379.223)	
L20	130+543.28		130+999.97		450.70				(564464.951-6258379.223)		(564388.393-6258849.459)	
L20	130+999.97		132+801.59		1861.60				(564388.393-6258849.459)		(564087.033-6259605.675)	
C13	132+801.59	132+914.02	133+026.37	3°34'39"	224.75	3600.00	112.43	1.76	(564087.033-6259605.675)	(564068.227-6260716.520)	(564056.374-6260832.326)	
C14	133+026.37		133+343.25		316.87				(564056.374-6260832.326)		(564022.967-6261143.427)	
L21	133+343.25	133+488.06	133+632.83	2°22'13"	289.56	7000.00	144.81	1.50	(564022.967-6261143.427)	(563998.407-6261287.433)	(563979.412-6261341.947)	
L23	133+632.83		133+928.57		295.74				(563998.407-6261341.947)		(563979.412-6261727.081)	
L23	133+928.57		134+601.38		672.81				(563979.412-6261727.081)		(563786.046-6262371.505)	

UBICACIÓN DE RETORNOS				
N°	Progresiva centro	Progresiva inicio	Progresiva fin	Distancia al anterior (Km)
R1	114+655	114+180	115+190	
R2	116+385	117+900	118+870	3.7
R3	121+955	121+500	122+470	3.6
R4	125+435	124+950	125+920	3.5
R5	129+935	129+450	130+420	4.5

UBICACION:



REFERENCIAS:

	EJE PROYECTADO
	RETORNO
	PASAJE FERROVIARIO A DESNIVEL



NOTAS:

- SISTEMA DE COORDENADAS:
- PROYECCIÓN: UTM ZONA 21 S
- SISTEMA GEODÉSICO: WGS84
- SISTEMA ALTIMÉTRICO: CERO OFICIAL
- MODELO GEOIDAL: EGM 2008

PARA LICITAR[illegible]

PLANIMETRÍA GENERAL

DUPLICACIÓN RUTA 5 TRAMO 112km000 - 133km300

 CORPORACIÓN FINANCIERA DEL ATLÁNTICO S.A.	<h2 style="text-align: center;">PLANIMETRÍA GENERAL</h2>					Indicados: Fecha: Diciembre 2021 Revisión: Ab
 CDS INGENIEROS	GERENTE DE PROYECTO ING. DIEGO NOLLENBERGER	EQUIPO DE PROYECTO ING. SILVANA FRANKOVICZ ING. JOAQUÍN GARCÍA RINOTOS ING. CATALINA STIRLING	SUPERVISIÓN DE PROYECTO DIVISION PROYECTOS DE CARRETERAS DIVISION SEGURIDAD EN EL TRÁNSITO DIVISION ESTRUCTURAS DIVISION ESTUDIOS Y PROYECTOS	DIRECCIÓN DE PROYECTO HERNÁN CIGANDA DIRECTOR NACIONAL DE VIALIDAD	Nº DE PLANO APR5-P-VI-PG-01	ANTEPROYECTO