

ROUTE 117 CL							
SEGMENT	LENGTH/ LONGUEUR (m)	RADIUS/ RAYON (m)	TANGENT OR CHORD AZIMUTH/AZIMUT TANGENTE OU CORDE	BEGIN STATION DÉBUT	PI OR/OU A	END STATION FIN	Δ
TANGENT 1	10.871		69° 27' 57.43"	STA: 0+000.000 E: 2613082.302 N: 7530769.194		STA: 0+010.871 E: 2613082.302 N: 7530773.007	
CURVE 1	163.576	6000.0	70° 14' 49.09"	STA: 0+010.871 E: 2613092.483 N: 7530773.007	E: 2613169.079 N: 7530801.697	STA: 0+174.447 E: 2613246.428 N: 7530828.289	1° 33' 43.3"
TANGENT 2	77.206		71° 01' 40.75"	STA: 0+174.447 E: 2613246.428 N: 7530828.289		STA: 0+261.653 E: 2613246.428 N: 7530853.389	
SPIRAL 1	45.000				A: 222.991		
CURVE 2	115.984	1105.0	75° 12' 05.75"	STA: 0+296.653 E: 2613362.094 N: 7530867.729	E: 2613416.978 N: 7530886.920	STA: 0+412.637 E: 2613474.179 N: 7530897.340	6° 00' 50.1"
SPIRAL 2	45.000				A: 222.991		
TANGENT 3	84.294		79° 22' 30.74"	STA: 0+457.637 E: 2613518.349 N: 7530905.937		STA: 0+541.931 E: 2613518.349 N: 7530921.478	
SPIRAL 3	50.000				A: 163.936		
CURVE 3	1342.629	537.5	5° 09' 01.11"	STA: 0+591.931 E: 2613650.187 N: 7530931.457	E: 2615496.462 N: 7531277.017	STA: 1+034.560 E: 2613741.734 N: 7531947.144	143° 07' 11.8"
SPIRAL 4	50.000				A: 163.936		
TANGENT 4	60.365		290° 55' 31.48"	STA: 1+084.560 E: 2613695.318 N: 7531955.722		STA: 2+044.924 E: 2613695.318 N: 7531987.281	
SPIRAL 5	50.000				A: 158.114		
CURVE 4	408.702	500.0	317° 12' 25.57"	STA: 2+094.924 E: 2613592.545 N: 7532005.913	E: 2613384.858 N: 7532084.433	STA: 2+503.628 E: 2613322.558 N: 7532297.044	46° 50' 01.7"
SPIRAL 6	50.000				A: 158.114		
TANGENT 5	152.889		343° 29' 19.66"	STA: 2+553.626 E: 2613307.550 N: 7532345.234		STA: 2+706.516 E: 2613307.550 N: 7532491.819	
SPIRAL 7	50.000				A: 147.733		
CURVE 5	275.179	436.5	322° 08' 49.29"	STA: 2+756.516 E: 2613248.978 N: 7532539.470	E: 2613208.497 N: 7532753.167	STA: 3+031.695 E: 2613082.300 N: 7532753.167	36° 07' 13.6"
SPIRAL 8	50.000				A: 147.733		

SUPERELEVATION DEVELOPMENT / DÉVELOPPEMENT DU DÉVERS				
CURVE/COURBE 2	RADIUS/RAYON = 1105.0			E _{max} = 0.060
STATION/CHAINAGE	LEFT LANE/VOIE DE GAUCHE	CL. ELEV.	RIGHT LANE/VOIE DE DROITE	DESCRIPTION
0+207.25	-0.030	38.835	-0.030	NORMAL CROWN
0+251.65	0.000	38.790	-0.030	LEVEL CROWN
0+293.84	0.030	38.747	-0.030	REVERSE CROWN
0+296.65	0.032	38.744	-0.032	BEGIN FULL SUPER
0+412.64	0.032	37.916	-0.032	END FULL SUPER
0+415.45	0.030	37.868	-0.030	REVERSE CROWN
0+457.64	0.000	36.971	-0.030	LEVEL CROWN
0+497.93	-0.028	35.902	-0.030	NORMAL CROWN

SUPERELEVATION DEVELOPMENT / DÉVELOPPEMENT DU DÉVERS				
CURVE/COURBE 3	RADIUS/RAYON = 537.5			E _{max} = 0.060
STATION/CHAINAGE	LEFT LANE/VOIE DE GAUCHE	CL. ELEV.	RIGHT LANE/VOIE DE DROITE	DESCRIPTION
0+501.64	-0.030	35.820	-0.028	NORMAL CROWN
0+541.93	-0.030	35.275	0.000	LEVEL CROWN
0+574.54	-0.030	35.238	0.030	REVERSE CROWN
0+591.93	-0.046	35.242	0.046	BEGIN FULL SUPER
1+934.56	-0.046	31.964	0.046	END FULL SUPER
1+951.95	-0.030	31.954	0.030	REVERSE CROWN
1+984.56	-0.030	31.935	0.000	LEVEL CROWN
2+000.92	-0.030	31.925	-0.011	NORMAL CROWN

SUPERELEVATION DEVELOPMENT / DÉVELOPPEMENT DU DÉVERS				
CURVE/COURBE 4	RADIUS/RAYON = 500.0			E _{max} = 0.060
STATION/CHAINAGE	LEFT LANE/VOIE DE GAUCHE	CL. ELEV.	RIGHT LANE/VOIE DE DROITE	DESCRIPTION
2+028.56	-0.011	31.909	-0.030	NORMAL CROWN
2+044.92	0.000	31.900	-0.030	LEVEL CROWN
2+077.53	0.030	31.881	-0.030	REVERSE CROWN
2+094.92	0.046	31.855	-0.046	BEGIN FULL SUPER
2+503.63	0.046	28.059	-0.046	END FULL SUPER
2+521.02	0.030	27.868	-0.030	REVERSE CROWN
2+553.63	0.000	27.380	-0.030	LEVEL CROWN
2+598.03	-0.030	26.444	-0.030	NORMAL CROWN

SUPERELEVATION DEVELOPMENT / DÉVELOPPEMENT DU DÉVERS				
CURVE/COURBE 5	RADIUS/RAYON = 436.5			E _{max} = 0.060
STATION/CHAINAGE	LEFT LANE/VOIE DE GAUCHE	CL. ELEV.	RIGHT LANE/VOIE DE DROITE	DESCRIPTION
2+622.12	-0.030	24.549	-0.030	NORMAL CROWN
2+706.52	-0.030	23.076	0.000	LEVEL CROWN
2+735.93	-0.030	22.101	0.030	REVERSE CROWN
2+756.52	-0.051	21.482	0.051	BEGIN FULL SUPER
3+031.69	-0.051	19.528	0.051	END FULL SUPER
3+052.28	-0.030	19.277	0.030	REVERSE CROWN
3+056.29	-0.030	19.222	0.026	LEVEL CROWN
3+081.69	-0.012	18.838	0.000	NORMAL CROWN

ROUTE 117 CL							
SEGMENT	LENGTH/ LONGUEUR (m)	RADIUS/ RAYON (m)	TANGENT OR CHORD AZIMUTH/AZIMUT TANGENTE OU CORDE	BEGIN STATION DÉBUT	PI OR/OU A	END STATION FIN	Δ
TANGENT 6	18.598		300° 48' 18.93"	STA: 3+081.695 E: 2613040.458 N: 7532778.565		STA: 3+100.293 E: 2613040.458 N: 7532789.109	
SPIRAL 9	50.000				A: 147.479		
CURVE 6	300.888	435.0	323° 54' 49.51"	STA: 3+150.293 E: 2612982.042 N: 7532815.829	E: 2612843.494 N: 7532897.023	STA: 3+451.181 E: 2612808.331 N: 7533053.888	39° 37' 52.6"
SPIRAL 10	50.000				A: 147.479		
TANGENT 7	262.922		347° 01' 20.10"	STA: 3+501.181 E: 2612796.173 N: 7533102.360		STA: 3+764.103 E: 2612796.173 N: 7533168.566	
SPIRAL 11	62.500				A: 135.785		
CURVE 7	266.983	295.0	19° 01' 07.71"	STA: 3+826.603 E: 2612725.256 N: 7533419.898	E: 2612688.643 N: 7533568.946	STA: 4+093.585 E: 2612809.321 N: 7533683.778	51° 51' 15.0"
SPIRAL 12	62.500				A: 135.785		
TANGENT 8	401.604		51° 00' 55.31"	STA: 4+156.085 E: 2612856.462 N: 7533704.768		STA: 4+557.689 E: 2612856.462 N: 7533957.422	
CURVE 8	422.153	3500.0	47° 33' 35.97"	STA: 4+557.689 E: 2613168.634 N: 7533957.422	E: 2613332.906 N: 7534090.374	STA: 4+979.843 E: 2613479.988 N: 7534242.126	6° 54' 38.7"
TANGENT 9	112.056		44° 06' 16.63"	STA: 4+979.843 E: 2613479.988 N: 7534242.126			
SPIRAL 13	50.000				A: 139.284		
CURVE 9	109.673	388.0	55° 53' 38.49"	STA: 5+141.898 E: 2613593.530 N: 7534357.731	E: 2613631.773 N: 7534398.730	STA: 5+251.571 E: 2614280.038 N: 7534491.023	16° 11' 43.2"
SPIRAL 14	50.000				A: 139.284		
TANGENT 10	55.841		67° 41' 00.35"	STA: 5+301.571 E: 2613729.866 N: 7534438.994		STA: 5+357.412 E: 2613729.866 N: 7534460.198	
SPIRAL 15	45.000				A: 212.873		
CURVE 10	572.154	1007.0	50° 07' 34.21"	STA: 5+402.412 E: 2613823.024 N: 7534477.595	E: 2614097.112 N: 7534589.737	STA: 5+974.566 E: 2614286.246 N: 7534839.489	32° 33' 14.9"
SPIRAL 16	45.000				A: 212.873		

SUPERELEVATION DEVELOPMENT / DÉVELOPPEMENT DU DÉVERS				
CURVE/COURBE 6	RADIUS/RAYON = 435.0			E _{max} = 0.060
STATION/CHAINAGE	LEFT LANE/VOIE DE GAUCHE	CL. ELEV.	RIGHT LANE/VOIE DE DROITE	DESCRIPTION
3+100.29	0.000	18.568	-0.013	NORMAL CROWN
3+125.69	0.026	18.283	-0.030	LEVEL CROWN
3+129.70	0.030	18.246	-0.030	REVERSE CROWN
3+150.29	0.051	18.096	-0.051	BEGIN FULL SUPER
3+451.18	0.051	16.547	-0.051	END FULL SUPER
3+471.77	0.030	15.864	-0.030	REVERSE CROWN
3+501.18	0.000	14.615	-0.030	LEVEL CROWN
3+545.58	-0.030	12.119	-0.030	NORMAL CROWN

SUPERELEVATION DEVELOPMENT / DÉVELOPPEMENT DU DÉVERS				
CURVE/COURBE 7	RADIUS/RAYON = 295.0			E _{max} = 0.060
STATION/CHAINAGE	LEFT LANE/VOIE DE GAUCHE	CL. ELEV.	RIGHT LANE/VOIE DE DROITE	DESCRIPTION
3+719.70	-0.030	4.816	-0.030	NORMAL CROWN
3+764.10	0.000	4.735	-0.030	LEVEL CROWN
3+795.35	0.030	4.753	-0.030	REVERSE CROWN
3+826.60	0.060	5.115	-0.060	BEGIN FULL SUPER
4+093.59	0.060	14.595	-0.060	END FULL SUPER
4+124.84	0.030	15.165	-0.030	REVERSE CROWN
4+156.09	0.000	15.563	-0.030	LEVEL CROWN
4+200.49	-0.030	15.834	-0.030	NORMAL CROWN

SUPERELEVATION DEVELOPMENT / DÉVELOPPEMENT DU DÉVERS				
CURVE/COURBE 9	RADIUS/RAYON = 388.0			E _{max} = 0.060
STATION/CHAINAGE	LEFT LANE/VOIE DE GAUCHE	CL. ELEV.	RIGHT LANE/VOIE DE DROITE	DESCRIPTION
5+047.50	-0.030	7.916	-0.030	NORMAL CROWN
5+091.90	0.000	8.279	-0.030	LEVEL CROWN
5+119.68	0.030	8.858	-0.030	REVERSE CROWN
5+141.90	0.054	9.516	-0.054	BEGIN FULL SUPER
5+251.57	0.054	12.825	-0.054	END FULL SUPER
5+273.79	0.030	13.270	-0.030	REVERSE CROWN
5+301.57	0.000	13.693	-0.030	LEVEL CROWN
5+312.41	-0.007	13.818	-0.030	NORMAL CROWN

SUPERELEVATION DEVELOPMENT / DÉVELOPPEMENT DU DÉVERS				
CURVE/COURBE 10	RADIUS/RAYON = 436.5			E _{max} = 0.060
STATION/CHAINAGE	LEFT LANE/VOIE DE GAUCHE	CL. ELEV.	RIGHT LANE/VOIE DE DROITE	DESCRIPTION
5+346.57	-0.030	14.062	-0.030	NORMAL CROWN
5+357.41	-0.030	14.093	0.000	LEVEL CROWN
5+399.60	-0.030	14.101	0.030	REVERSE CROWN
5+402.41	-0.030	14.101	0.032	BEGIN FULL SUPER
5+974.57	-0.030	14.103	0.032	END FULL SUPER
5+977.38	-0.030	14.103	0.030	REVERSE CROWN
6+019.57	-0.030	14.103	0.000	LEVEL CROWN
6+063.97	-0.030	14.103	-0.030	NORMAL CROWN

ROUTE 117 CL							
SEGMENT	LENGTH/ LONGUEUR (m)	RADIUS/ RAYON (m)	TANGENT OR CHORD AZIMUTH/AZIMUT TANGENTE OU CORDE	BEGIN STATION DÉBUT	PI OR/OU A	END STATION FIN	Δ
TANGENT 11	516.680		32° 34' 08.08"	STA: 6+019.566 E: 2614280.751 N: 7534877.230		STA: 6+536.246 E: 2614280.751 N: 7535312.659	
SPIRAL 17	50.000				A: 150.000		
CURVE 11	32.129	450.0	27° 20' 25.60"	STA: 6+586.246 E: 2614595.014 N: 7535355.282	E: 2614594.522 N: 7535368.446	STA: 6+618.375 E: 2614599.787 N: 7535383.815	4° 05' 26.6"
SPIRAL 18	50.000				A: 150.000		
TANGENT 12	55.302		22° 06' 43.12"	STA: 6+668.375 E: 2614619.440 N: 7535429.775		STA: 6+723.677 E: 2614619.440 N: 7535481.010	
SPIRAL 19	62.500				A: 125.000		
CURVE 12	150.901	250.0	46° 33' 57.18"	STA: 6+786.177 E: 2614686.156 N: 7535537.843	E: 2614694.919 N: 7535615.547	STA: 6+937.077 E: 2614774.079 N: 7535640.023	34° 35' 01.9"
SPIRAL 20	62.500				A: 125.000		
TANGENT 13	507.911		71° 01' 11.24"	STA: 6+999.577 E: 2614832.242 N: 7535662.778		STA: 7+507.488 E: 2614832.242 N: 7535827.972	
SPIRAL 21	45.000				A: 264.102		
CURVE 13	101.438	1550.0	68° 18' 47.67"	STA: 7+552.488 E: 2615355.021 N: 7535842.814	E: 2615403.108 N: 7535859.122	STA: 7+653.927 E: 2615448.262 N: 7535890.262	3° 44' 58.8"
SPIRAL 22	45.000				A: 264.102		
TANGENT 14	102.974		65° 36' 24.10"	STA: 7+698.827 E: 2615490.334 N: 7535898.678		STA: 7+801.301 E: 2615490.334 N: 7535941.206	
SPIRAL 23	62.500				A: 125.000		
CURVE 14	171.888	250.0	38° 44' 52.06"	STA: 7+864.401 E: 2615639.874 N: 7535969.347	E: 2615728.167 N: 7536006.530	STA: 8+036.289 E: 2615745.351 N: 7536100.779	39° 23' 37.9"
SPIRAL 24	62.500				A: 125.000		
TANGENT 15	93.336		11° 53' 20.02"	STA: 8+098.789 E: 2615760.792 N: 7536161.307		STA: 8+192.125 E: 2615760.792 N: 7536252.641	
SPIRAL 25	62.500				A: 125.000		