

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
CURVE 15	178.804	250.0	344° 14' 14.95"	STA: 8+254.625 E: 2615790.291 N: 7536314.240	E: 2615813.470 N: 7536411.711	STA: 8+433.429 E: 2615742.747 N: 7536462.676	40° 58' 43.9"
SPIRAL 26	62.500				A: 125.000	STA: 8+539.137 E: 2615701.750 N: 7536561.180	
TANGENT 16	43.207		316° 35' 09.88"	STA: 8+489.928 E: 2615701.750 N: 7536529.794		STA: 8+539.137 E: 2615701.750 N: 7536561.180	
SPIRAL 27	45.000				A: 284.605	STA: 8+643.479 E: 2615601.749 N: 7536615.433	
CURVE 16	59.343	1800.0	318° 14' 48.28"	STA: 8+584.137 E: 2615620.725 N: 7536593.997	E: 2615620.725 N: 7536615.433	STA: 8+643.479 E: 2615601.749 N: 7536615.433	1° 53' 20.2"
SPIRAL 28	45.000				A: 284.605	STA: 8+793.935 E: 2615501.188 N: 7536717.555	
TANGENT 17	127.964		319° 54' 26.68"	STA: 8+688.479 E: 2615672.628 N: 7536672.569		STA: 8+816.443 E: 2615572.628 N: 7536770.463	
SPIRAL 29	50.000				A: 165.831	STA: 8+950.525 E: 2615390.022 N: 7536894.146	
CURVE 17	84.082	550.0	326° 53' 28.87"	STA: 8+866.443 E: 2615458.598 N: 7536809.193	E: 2615430.707 N: 7536894.146	STA: 8+950.525 E: 2615412.714 N: 7536879.554	8° 45' 33.0"
SPIRAL 30	50.000				A: 165.831	STA: 9+074.106 E: 2615390.022 N: 7536990.167	
TANGENT 18	73.581		333° 52' 31.06"	STA: 9+000.525 E: 2615390.022 N: 7536924.103		STA: 9+074.106 E: 2615390.022 N: 7536990.167	
SPIRAL 31	50.000				A: 207.364	STA: 9+220.944 E: 2615300.990 N: 7537125.485	
CURVE 18	96.838	860.0	338° 46' 00.07"	STA: 9+124.106 E: 2615336.043 N: 7537035.268	E: 2615314.203 N: 7537076.701	STA: 9+220.944 E: 2615300.990 N: 7537125.485	6° 27' 05.9"
SPIRAL 32	50.000				A: 207.364	STA: 9+373.533 E: 2615286.458 N: 7537171.768	
TANGENT 19	102.589		343° 39' 29.08"	STA: 9+270.944 E: 2615286.458 N: 7537171.768		STA: 9+373.533 E: 2615286.458 N: 7537271.768	
SPIRAL 33	45.000				A: 255.441	STA: 9+504.917 E: 2615224.631 N: 7537398.913	
CURVE 19	86.584	1450.0	346° 15' 13.89"	STA: 9+418.533 E: 2615245.155 N: 7537315.015	E: 2615232.765 N: 7537356.443	STA: 9+504.917 E: 2615224.631 N: 7537398.913	3° 24' 48.3"
SPIRAL 34	45.000				A: 255.441		

SUPERELEVATION DEVELOPMENT / DÉVELOPPEMENT DU SUPERÉLEVATION				
CURVE 15	RADIUS = 250.0			E _{max} = 0.060
STATION	LEFT LANE	CL ELEV.	RIGHT LANE	DESCRIPTION
8+147.73	-0.030	8.417	-0.030	NORMAL CROWN
8+192.13	-0.030	7.463	0.000	LEVEL CROWN
8+223.38	-0.030	6.731	0.030	REVERSE CROWN
8+254.63	-0.060	6.076	0.060	BEGIN FULL SUPER
8+433.43	-0.060	6.997	0.060	END FULL SUPER
8+464.68	-0.030	7.418	0.030	REVERSE CROWN
8+494.14	-0.030	7.816	0.002	LEVEL CROWN
8+495.93	-0.029	7.840	0.000	NORMAL CROWN

SUPERELEVATION DEVELOPMENT / DÉVELOPPEMENT DU SUPERÉLEVATION				
CURVE 16	RADIUS = 1800.0			E _{max} = 0.060
STATION	LEFT LANE	CL ELEV.	RIGHT LANE	DESCRIPTION
8+539.14	-0.001	8.422	-0.029	NORMAL CROWN
8+540.93	0.000	8.446	-0.030	LEVEL CROWN
8+584.14	0.030	9.029	-0.030	REVERSE CROWN
8+584.14	0.030	9.029	-0.030	BEGIN FULL SUPER
8+643.48	0.030	9.829	-0.030	END FULL SUPER
8+643.48	0.030	9.829	-0.030	REVERSE CROWN
8+688.48	0.000	10.409	-0.030	LEVEL CROWN
8+732.88	-0.030	10.900	-0.030	NORMAL CROWN

SUPERELEVATION DEVELOPMENT / DÉVELOPPEMENT DU SUPERÉLEVATION				
CURVE 17	RADIUS = 550.0			E _{max} = 0.060
STATION	LEFT LANE	CL ELEV.	RIGHT LANE	DESCRIPTION
8+772.04	-0.030	11.265	-0.030	NORMAL CROWN
8+816.44	0.000	11.602	-0.030	LEVEL CROWN
8+849.05	0.030	11.797	-0.030	REVERSE CROWN
8+866.44	0.046	11.883	-0.046	BEGIN FULL SUPER
8+950.53	0.046	12.119	-0.046	END FULL SUPER
8+967.92	0.030	12.131	-0.030	REVERSE CROWN
9+000.53	0.030	12.127	-0.030	LEVEL CROWN
9+032.25	0.030	12.121	-0.030	NORMAL CROWN

SUPERELEVATION DEVELOPMENT / DÉVELOPPEMENT DU SUPERÉLEVATION				
CURVE 18	RADIUS = 860.0			E _{max} = 0.060
STATION	LEFT LANE	CL ELEV.	RIGHT LANE	DESCRIPTION
9+041.73	0.030	12.119	-0.030	NORMAL CROWN
9+074.11	0.030	12.112	-0.030	LEVEL CROWN
9+115.77	0.030	12.103	-0.030	REVERSE CROWN
9+124.11	0.036	12.101	-0.036	BEGIN FULL SUPER
9+220.94	0.036	12.080	-0.036	END FULL SUPER
9+229.28	0.030	12.078	-0.030	REVERSE CROWN
9+270.94	0.000	12.070	-0.030	LEVEL CROWN
9+315.34	-0.030	12.060	-0.030	NORMAL CROWN

SUPERELEVATION DEVELOPMENT / DÉVELOPPEMENT DU SUPERÉLEVATION				
CURVE 19	RADIUS = 1450.0			E _{max} = 0.060
STATION	LEFT LANE	CL ELEV.	RIGHT LANE	DESCRIPTION
9+329.13	-0.030	12.057	-0.030	NORMAL CROWN
9+373.53	0.000	12.048	-0.030	LEVEL CROWN
9+418.53	0.030	12.038	-0.030	REVERSE CROWN
9+418.53	0.036	12.038	-0.036	BEGIN FULL SUPER
9+504.92	0.036	12.019	-0.036	END FULL SUPER
9+504.92	0.030	12.019	-0.030	REVERSE CROWN
9+537.20	0.009	12.005	-0.030	LEVEL CROWN
9+549.92	0.000	11.987	-0.022	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 20	32.285		348° 50' 58.70"	STA: 9+549.917 E: 2615215.701 N: 7537443.017		STA: 9+582.202 E: 2615215.701 N: 7537474.692	
SPIRAL 35	45.000				A: 204.573	STA: 9+748.935 E: 2615198.940 N: 7537578.768	
CURVE 20	121.733	930.0	343° 42' 48.79"	STA: 9+627.202 E: 2615200.400 N: 7537518.770	E: 2615198.940 N: 7537578.768	STA: 9+748.935 E: 2615166.285 N: 7537635.535	7° 29' 59.3"
SPIRAL 36	45.000				A: 204.573	STA: 10+045.542 E: 2615150.188 N: 7537811.760	
TANGENT 21	251.606		338° 34' 36.86"	STA: 9+793.935 E: 2615150.188 N: 7537677.555		STA: 10+045.542 E: 2615150.188 N: 7537811.760	
SPIRAL 37	52.000				A: 180.278	STA: 10+355.743 E: 2614990.937 N: 7538083.449	
CURVE 21	258.202	625.0	352° 47' 45.82"	STA: 10+087.542 E: 2615072.628 N: 7537960.442	E: 2614990.937 N: 7538083.449	STA: 10+355.743 E: 2615007.823 N: 7538214.788	23° 40' 12.6"
SPIRAL 38	52.000				A: 180.278	STA: 10+567.154 E: 2615013.457 N: 7538424.696	
TANGENT 22	159.411		7° 00' 52.75"	STA: 10+407.743 E: 2615013.457 N: 7538266.478		STA: 10+567.154 E: 2615013.457 N: 7538424.696	
SPIRAL 39	50.000				A: 187.083	STA: 10+737.551 E: 2615038.529 N: 7538944.336	
CURVE 22	120.397	700.0	0° 02' 27.80"	STA: 10+617.154 E: 2615038.529 N: 7538474.388	E: 2615046.437 N: 7538534.506	STA: 10+737.551 E: 2615038.529 N: 7538944.336	9° 51' 16.7"
SPIRAL 40	50.000				A: 187.083	STA: 11+086.371 E: 2615033.082 N: 7538940.971	
TANGENT 23	298.819		353° 04' 02.86"	STA: 10+787.551 E: 2614991.683 N: 7539032.212		STA: 11+086.371 E: 2615033.082 N: 7538940.971	
SPIRAL 41	62.500				A: 135.324	STA: 11+467.532 E: 2615144.810 N: 7539264.887	
CURVE 23	318.861	293.0	30° 20' 06.91"	STA: 11+148.871 E: 2614991.683 N: 7539032.212	E: 2614966.283 N: 7539193.716	STA: 11+467.532 E: 2615144.810 N: 7539264.887	62° 18' 49.6"
SPIRAL 42	62.500				A: 135.324	STA: 11+609.570 E: 2615021.684 N: 7539290.727	
TANGENT 24	79.538		67° 36' 10.96"	STA: 11+530.032 E: 2615201.684 N: 7539290.727		STA: 11+609.570 E: 2615021.684 N: 7539291.033	
SPIRAL 43	45.000				A: 259.808		

SUPERELEVATION DEVELOPMENT / DÉVELOPPEMENT DU SUPERÉLEVATION				
CURVE 20	RADIUS = 930.0			E _{max} = 0.060
STATION	LEFT LANE	CL ELEV.	RIGHT LANE	DESCRIPTION
9+582.20	-0.022	11.905	0.000	NORMAL CROWN
9+594.92	-0.030	11.859	0.010	LEVEL CROWN
9+621.91	-0.030	11.733	0.030	REVERSE CROWN
9+627.20	-0.034	11.705	0.034	BEGIN FULL SUPER
9+748.94	-0.034	10.653	0.034	END FULL SUPER
9+754.23	-0.030	10.591	0.030	REVERSE CROWN
9+793.94	-0.030	10.077	0.000	LEVEL CROWN
9+838.34	-0.030	9.409	-0.030	NORMAL CROWN

SUPERELEVATION DEVELOPMENT / DÉVELOPPEMENT DU SUPERÉLEVATION				
CURVE 21	RADIUS = 625.0			E _{max} = 0.060
STATION	LEFT LANE	CL ELEV.	RIGHT LANE	DESCRIPTION
10+001.14	-0.030	6.512	-0.030	NORMAL CROWN
10+045.54	-0.030	5.762	-0.030	LEVEL CROWN
10+082.68	0.030	5.494	-0.030	REVERSE CROWN
10+097.54	0.042	5.482	-0.042	BEGIN FULL SUPER
10+355.74	0.042	10.270	-0.042	END FULL SUPER
10+370.60	0.030	10.500	-0.030	REVERSE CROWN
10+407.74	0.000	10.994	-0.030	LEVEL CROWN
10+452.14	-0.030	11.439	-0.030	NORMAL CROWN

SUPERELEVATION DEVELOPMENT / DÉVELOPPEMENT DU SUPERÉLEVATION				
CURVE 22	RADIUS = 700.0			E _{max} = 0.060
STATION	LEFT LANE	CL ELEV.	RIGHT LANE	DESCRIPTION
10+522.75	-0.030	11.815	-0.030	NORMAL CROWN
10+567.15	-0.030	11.845	0.010	LEVEL CROWN
10+605.62	-0.030	11.741	0.030	REVERSE CROWN
10+617.15	-0.039	11.685	0.039	BEGIN FULL SUPER
10+737.55	-0.039	10.417	0.039	END FULL SUPER
10+748.09	-0.030	10.238	0.030	REVERSE CROWN
10+787.55	-0.030	9.644	0.000	LEVEL CROWN
10+831.95	-0.030	8.957	-0.030	NORMAL CROWN

SUPERELEVATION DEVELOPMENT / DÉVELOPPEMENT DU SUPERÉLEVATION				
CURVE 23	RADIUS = 293.0			E _{max} = 0.060
STATION	LEFT LANE	CL ELEV.	RIGHT LANE	DESCRIPTION
11+041.97	-0.030	8.776	-0.030	NORMAL CROWN
11+086.37	0.000	8.187	-0.030	LEVEL CROWN
11+117.62	0.030	9.476	-0.030	REVERSE CROWN
11+148.87	0.060	9.766	-0.060	BEGIN FULL SUPER
11+467.53	0.060	6.448	-0.060	END FULL SUPER
11+498.78	0.030	6.007	-0.030	REVERSE CROWN
11+530.03	0.000	5.847	-0.030	LEVEL CROWN
11+564.57	-0.023	5.996	-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
CURVE 24	206.370	1500.0	62° 48' 08.01"	STA: 11+654.570 E: 2615316.741 N: 7539338.386	E: 2615412.506 N: 7539377.608	STA: 11+860.941 E: 2615500.149 N: 7539432.636	7° 52' 58.0"
SPIRAL 44	45.000				A: 259.808		
TANGENT 25	108.917		58° 00' 05.05"	STA: 11+905.941 E: 2615538.430 N: 7539456.290		STA: 12+014.857 E: 2615538.430 N: 7539514.005	
SPIRAL 45	45.000				A: 284.605		
CURVE 25	118.825	1800.0	60° 36' 31.56"	STA: 12+059.857 E: 2615669.060 N: 7539537.691	E: 2615719.396 N: 7539569.364	STA: 12+178.683 E: 2615772.572 N: 7539595.996	3° 46' 56.4"
SPIRAL 46	45.000				A: 284.605		
TANGENT 26	195.591		63° 12' 58.07"	STA: 12+223.683 E: 2615812.659 N: 7539616.442		STA: 12+419.273 E: 2615812.659 N: 7539704.580	
CURVE 26	241.912	20000.0	63° 33' 45.52"	STA: 12+419.273 E: 2615967.266 N: 7539704.580	E: 2616095.246 N: 7539759.087	STA: 12+651.186 E: 2616203.878 N: 7539812.283	0° 41' 34.9"
TANGENT 27	177.507		63° 54' 32.97"	STA: 12+661.186 E: 2616203.878 N: 7539812.283		STA: 12+838.693 E: 2616203.878 N: 7539860.350	
TANGENT 27	177.584	3000.0	62° 12' 48.10"	STA: 12+838.693 E: 2616363.297 N: 7539890.350	E: 2616443.064 N: 7539929.412	STA: 13+016.276 E: 2616520.380 N: 7539973.124	3° 23' 29.7"
TANGENT 28	160.198		60° 31' 03.22"	STA: 13+016.276 E: 2616520.380 N: 7539973.124		STA: 13+176.474 E: 2616520.380 N: 7540051.967	
SPIRAL 47	45.000				A: 241.868		
CURVE 28	130.614	1300.0	64° 23' 15.18"	STA: 13+221.474 E: 2616699.133 N: 7540173.887	E: 2616755.377 N: 7540106.323	STA: 13+352.089 E: 2616816.863 N: 7540130.325	5° 45' 24.0"
SPIRAL 48	45.000				A: 241.868		
TANGENT 29	32.620		68° 15' 27.13"	STA: 13+397.089 E: 2616856.964 N: 7540147.236		STA: 13+429.709 E: 2616856.964 N: 7540159.319	
SPIRAL 49	55.000				A: 131.624		
CURVE 29	141.562	315.0	50° 22' 51.89"	STA: 13+484.709 E: 2616939.320 N: 7540181.164	E: 2617008.892 N: 7540207.187	STA: 13+626.271 E: 2617047.450 N: 7540270.677	25° 44' 56.0"
SPIRAL 50	55.000				A: 131.624		