# **APPENDIX 11**

# TOPOGRAPHIC SURVEY RESULT

- (1) TABLE OF COORDINATES AND CURVE ELEMENTS
- (2) LOCATION OF TEMPORARY BENCH MARK

Road No.1
Grand Etang Road



R-1(Gra	ind Etang)															ing Super					
PI NO.			PIST	<b>FATION</b>	IAZI	MUTH	DIST.		1		R	Т	Lc	E	o(%)	W(m)	V(kph)	P	C	Ρ	Τ
	NORTHING	EASTING	<u> </u>		<u> </u>			<u> </u>													
ВОР	1,332,842.260	427,848,010	0+		,			1							ES	l <u>-</u>	_			,	
			1			49 17	12.994	4												•	157
1	1,332,855,247	427,848.423	0 +	12.994	7		20.05		35	59 L	25	2.760	5,498	0.152	ES	-	-	0 +	10,23	0 +	15.73
2	1,332,946,556	427,831,030	0 +	105.922		12 - 55	92,951		34	29 R	65	21,481	41.493	3,457	ĘŞ			0 +	84.44	0 +	125.9
3	1,333,060.113	427,885.902	0 +	230.573	)···	47 25	126.12		45	32 R	55	37,630	66.004	11,641	ÉS		_	0 +	192.94	0 +	258.93
	1,000,000,110	47,400,501.		200.00	٦.	32 57	134.855														
44	1,333,049,417	428,020,332	0+	356.172	7			_	20	56 R	300	21,896	43,715	0,798	ES	-	-	0 +	334.28	0 +	377.99
5	1,333,036,036	428,078.762	0+	416.037		53 56	59.943		48	51 i.	55	31.635	57.417	8,449	ĘS	-	_	0.+	384,40	0+	441.82
					٦	5 3	88.913														
6	1,333,100,974	428,139.496	0 +	499,097	٦.				53_	8 L	60	30,496	56,429	7,305	Ę\$	-	-	0 +	468,60	0+	525.00
,	1,333,267,644	428,107,697	0.4	664.209		11 54	169.676		34	44 R	100	36.970	70.824	6,615	ES			0 +	627.24	0 +	698,00
						46 39	130.391										}	<u>.</u>			
88	1,333,380.818	428,172.453	0+	791,483	7	26 10	67.804	10	39	31 R	250	23.321	46,507	1.085	E\$_	-	-	0.+	768,16	0 +	814.6
9	1,333,432.426	428,216,431	0+	859,153		20 10	07.804	10	42	51 R	100	9,377	18,700	0.439	E\$			0 +	849.78	0 +	868.48
		100.005.105	١	070.000	231	9 1	114.271	19	a	44 L	100	16.865	33,415	1,412	ES		_	0 +	956.50	0 +	989.92
10	1,333,504.106	428,305,425	0.4	973.369	7	0 13	58.716			44 (_	700	10.660	33,413	1.412	ĘS	-			900.001	<u> </u>	30 9.32
11	1,333,553,898	428,336.543	1 +	31.771					9	0 L	100	8.002	15.970	0.320	es	_	-	1 +	23,77	1 +	39.74
12	1,333,624,663	428,366.369	١,,	108,531		51 16	76.794	10	25	0 L	100	9,115	18.181	0.415	ES	_	_	1 +	99 42	1 +	117.60
12	1,000,074,000	42,0,0 30.0 00	· · · · · ·	1,50,00,	7	26 16	59.184														
13	1,333,682,458	428,379,116	7 +	167.665	۳,				54	17 L	100	21,169	41,722	2.216	_ES	-	-	1 +	146.50	1 +	138.27
14	1,333,736,429	428,368,168	1 +	222.119		31 59	55.07	4	32	17 R I	100	8.343	16.647	0.347	ES	-	_	7 +	213.78	1 +	230,42
	.,000,700,41,0			7.77	7	4 17	41.718														
15	1,333,778,123	428,366.764	1 +	263,798	7			7	54_	12 L	100	6.908	13.794	0.238	ES	-	-	1 +	256.89	7 +	270.68
16	1,333,883.006	428,348.586	1 +	370.223	170	10 2	106.447	44	15	37 R	105	42.700	81,111	8.350	£\$	_		1 +	327.52	1 +	408.63
						25 42	121.208												430.55		£ 0.0 -1
17	1,333,982.983	428,417.114	1+	487.141	229	48 5	62.33		22	25 R	100	13,497	26,832	0.907	ES	-	-	1 +	473.64	1 +	500.49
18	1,334,023,213	428,464,722	1 +	549,309		<del></del>	02.33		7	43 L	100	17,748	35,131	1.563	ES	-	-	7 +	531.56	1 +	566.69
	. 004.057.050	400 404 514		ena dos		40 18	39.982	_	56	, ,	500	8,372	16.743	0.070	ES	_	_	1 +	580.55	4 #	597,30
19	1,334,057.952	428,484,514	1 +	588,925	7	35 30	64.713		55	7 R	300	0.372	10,143	0.070	69	_	_	1 7	380.33		321,30
20	1,334,113.075	428,518,415	1 +	653,637			5-7.116		27	2 R	500	15,060	30,112	0.227	٤s			1 +	638.58	1 +	668,69

R-1(Gra	and Etang)															ing Super					
PI NO.	COORD	INATES	PISTAT	ΙΟN	AZIN	IUTH	DIST.		1		R		Lc	Ε	e(%)	W(m)	V(kph)	P	C	F	Т
	NORTHING															<u> </u>					
	NORTHING	LASTING		***	<del> </del>		<del>                                     </del>	-	_												
					215	2 32	62.188	1							ı	]	[				
21	1,334,163,990	428,554.122	1 + 71:	5.816		2 32	GZ. TGO		18	34 R	100	8.142	16,248	0.331	ES	-	-	1 +	707.67	1 4	723,9
	1,034,100.590	420,004.122	· · · · · · · · · · · · · · · · · · ·	<u> </u>	224	21 4	108.04														
22	1,334,241,246	428,629,648	1 + 82	3.820					40	13 R	125	21.670	42,914	1.864	ES	-	-	1 +	802.15		845.0
					244	1 18	76,502														
80P	1,334,274.800	428,698.510	1 + 89	9.995				0_	_0_	0 0	0	0.000	0.000	0.000	ES		-	; +	900.00	1 +	900,0
		-			241	52 50	216,267	_			;					]	İ		100.10	• •	1000
23	1,334,376,729	428,889,250	2 + 11	6.262				15	47	8 L	100	13.863	27.551	0.956	ES	<del>-</del>		2 +	102.40		129.9
					-	5 42	284.257					0.550		0.091	ES	_	_	2 +	390.79	2 +	409.9
24	1,334,573.851	429,094.055	2 + 40	0.344	1				11	25 L	500	9.558	19,114	0.091	ES				J., V., V		400.5
						54 18	131.57		40	5 L	150	18,176	36.176	1.097	ES	_		2+	513.74	2 +	549,9
25	1,334,668.646	429,185,294	2 + 53	1.913	7			13	47		130	10,170		1.007							
		429,230.228	2 + 62	1 260		5 12	89.633	4	28	41 R	100	3.910	7.816	0.076	ES	_		2 *	617.46	2 +	625.2
26	1,334,746.203	479,730,228	2 + 62	1.300	1	33 53	59, <del>6</del> 01		<i>1, V</i>	71 13	,00	<u> </u>									
27	1,334,795,284	429,264,042	2 + 689	965		33 33	39,00	2	49	53 <u>R</u>	500	12.357	24,709	0.153	ES		-	2 +	668.61	2 +	693.3
	1,334,793,264	42.3,2,03.5-12.		*****	217	23 47	78.423														
28	1,334,857.587	429,311,670	2 + _75	9.383				66	59	38 R	25	16,545	29,232	4,979	ES	-	-	2 +	742,84	2 +	772.0
					284	23 24	70.908														
29	1,334,839,965	429,380,353	2 + 82	6.432				89	44	58 L	23	22.900	36.028	9.456	ES	-		2 +	803,53	2 +	839.5
					194	8 24	72.42	!												۸.	AAA 1
30	1,334,910,034	429,398.657	2 + 88	9.081				32	30	53 R	40	11.665	22,700	1.666	EŞ	-	-	2 +	877.42	2 +	900.1
						9 18	56,716	l						4 405	ÉS		_	2+	927.00	2 +	960.5
31	1,334,948,602	429,440,241	2 + 94	5.167	1			54	52	1 L_	35	18.168	33.516	4,435	EŞ			7	921.00	7.	.,00.0
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				7 17	69.437		6	7 R	100	7.082	14,141	0.250	ES		_	3 +	4.70	3 +	18.8
32	1,335,017,411	429,430,923	3 + 1	1,784	1		41.007	. 6	-0	1 1	100	7,002	140, 141	V.200							
20	1,335,058.497	429,431,203	3 + 5	2.848		23 26	41.087		48	33 R	13	19.204	25.369	10.191	ES	-	-	3 +	33.64	3 +	59.0
33	1,333,936,497	47.9,431,203	3 ÷ 3,		1	11 59	53.994									1					
34	1,335,038.096	429,481,195	3 + 9	3.802			40,004	4	46	16 L	500	20.830	41.636	0.434	ES	-	-	3 +	72.97	3 +	348.8
	1,000,000				287	25 41	82.649														
35	1,335,013,342	429,560.050	3 + 17	6.427				27	45	19 L	30	7.412	14,533	0.902	£S		-	3 +	169.01	3 +	183.5
		<u>.</u>			259	10 21	33,362	]					li								
36	1,335,019,323	429,592.872	3 + 20	9.498				8	7	53 R	100	7.108	14,192	0.252	ES	-	-	3 +	202.39	3 +	216.5
44.		-				18 15	122,559											۸.	200.67	3 +	255 1
37	1,335,024,019	429,715.341	3 + 33	2.033				13	19	27 R	200	23,360	46.510	1.360	ES	-	-	3 +	308,67	3 +	355,1
			4 7		281	7 46	40,419					4.000	أميما	A 2 c 4		_	_	3 +	363,98	3 +	380.4
38	1,335,016.217	429,755.000	3 + 37		4			9	26	22 L	100	8.256	16.475	0,340	ES	<del>-</del>		- 3 +	303,30	3, 4	000.4
39	1,335,014,147	429,825,223	3 + 44		271	11 18	70.254		51	8 L	100	5.695	11.378	0.162	ÉS.	_		3 +	436.76	3 +	443.1

R-1(Gra	and Etang)	IMBLE													ES:Exist	ing Super	elevation				
PI NO.		INATES	PIST	ATION	AZI!	<b>NUTH</b>	DIST.	ļ	T		R	Ť	Ļc	Ε	e(%)	W(m)	V(kph)	Р	C	P	7
	NORTHING	EASTING	1	***	ļ																
				····																	
					265	10 13	37.342	4		l				_	_	1					
40	1,335,017.291	429,862.432	3 +	479.787	-				49	46 R	75	22.095	42,974	3,187	ES	-	<del> </del>	3 +	457.69	3 +	509.67
		7.7. · ••			7	59 58	78.656	=						0.455	~~		_	3 +	534.96	2 4	578.08
41	1,334,980,365	429,931,881	3 +	557.228	1				1/_	13 L	70	22,264	43,111	3,455	es	-	-	3 +	334.90	3 7	J/0.V0
42	1,334,990.397	430,010.332		634,901		42 46	79.09	-	25	45 R	150	31.331	61.774	3.237	ES		l <u>-</u> i	3 +	603.57	3 +	665.34
42	1,334,990.397	430,010.332	3.7	034,901	1	18 27	51.02		39	40 K	150	37,331	V1.77-4	0.207		ļ			555.6	·	
43	1,334,976,071	430,059,299	3 +	685.033		10 21	31.0%		25	59 R	100	10.010	19.954	0.500	ES		1 - 1	3 +	675. <b>02</b>	3 +	694.98
				1.7.121.7.2	1	44 28	80,101									i					
44	1,334,938,786	430,130,193	3 +	765,068				16	55	41 R	50	7,440	14.773	0.551	ES	<u> </u>	· -	3 +	757.63	3 +	772.40
					314	40 10	60.798									į	!				
45	1,334,896.044	430,173,431	3 +	825,757	1				17	52_L	100	17.002	33.681	1.435	ES	<del>! -</del>	-	3 +	808.76	3 +	842.44
1 .			]			22 19	39.522	-						0.000			_	3 +	255.05		072 07
46	1,334,879,109	430,209,141	3 +	864,957	7			20_	39	2 L	50	9.109	18.021	0.823	ES	<del></del>	<del>  -</del>		855.85		873.87 •
BOP	1,334,877,850	430,224.330	2.4	880.000		44 18	15.241		٨	0 0	٥	0.000	0.000	0.000	ES	-	.	3 +	880.00	3 +	880.00
800	1,334,677.630	430,224.330			269	1 51	10.288		· ·		Ť	0.000	0,500	V.V.V.		<u> </u>		· · · · · ·	20 111	×	
47	1,334,878,024	430,234,617	3 +	890.288	-	. 31	10.200	4	50	56 L	25	3.926	7.788	0.306	_ES_	_	-	3 +	886.36	3 +	894,15
			<del>                                     </del>		7	12 27	54.82														
48	1,334,895,684	430,286.515	3 +	945,044				54	0_	12 L	20	10.191	18.851	2.447	ES	-	-	3 +	934.85	3 +	953.70
		-	i		197	12 15	37.143									!					
49	1,334,931,165	430,297.501	3 +	980.656				10	13	33 L	100	8.947	17.847	0.399	ES	<u> </u>	-	3 +	971.71	3 +	989.56
						58 36	38.644				_					1		_		_	
50	1,334,969,523	430,302.195	4+	19.252	-			95	6	30 R	17	18.587	28,219	8,189	ES	8	30	4 +	0.66	4 +	28.88
						5 11	36.693	-	••		ا ا	2 405	1.4505			i la	30	4 +	39.09		co co
51	1,334,961,840	430,338,075	4 +	46.989	1				31	8 R	15	7.895	14.535	1,951	ES		30	4 +	39.09	4 +	53.63
52	1,334,938,755	430,347.588	4+	70.702		36 15	24.968		45	49 R	15	3.430	6.745	0.387	ES	_ :	- 1	4 +	67.27	4 +	74.02
	1,304,300.703	430,047,000	-	70.70%	7	22 10	37.075		100	70 11		V1 100	V//								
53	1,334,901.744	430,345,409	4+	107.661		22 10	57.074		34	2 L	25	€,598	12,901	0.856	ES	-	- 1	4 +	101.06	4 +	113.96
				,	333	48 6	50.85														
54	1,334,856.118	430,367.858	4+	158.217				40	45	55 L	35	13,004	24,902	2.338	ES	-		4 +	145,21	4 +	170.11
					293_	2 12	48.142														
55	1,334,837,279	430,412,161	4+	205.252	1			31	46	34 L	45	12.808	24.957	1.787	es	<del>-</del>	-	4 +	192,44	. 4 +	217.40
				***	261	15 33	33.975					۸	,,,,,,	1.991	ES	8	30	4 +	229.42	4 +	246.58
56	1,334,842,442	430,445.741	4 +	238,567	ļ .			49	8	14 R	20	9,143	17.152	(,991	<u> </u>	<del> </del>	30	4 7	66.7.46	-4 +	246.38
57	1,334,767,601	430,533,686		250.010	310	23 52	115.479		47	5 L	55	49,191	80.268	18,789	έs	_		4 +	303.72	4 +	383.99
5/	1,334,757,601	430,533,686	4 +	352.912	000	ام م	00.00	83	3/	<u> </u>		-13.131	30.200	10,105				<del>7</del>	500.12	<del></del>	304,33
58	1,334,830.661	430,600.790	4+	426.881		46 46	92.084		13	11 R	25	4.009	7,950	0.319	ξS			4 +	422.87	4 +	430.82

R-1(Gra	and Etang)														ES:Exist	ing Super	elevation				
PI NO.	COORDI		PI ST.	ATION	AZIM	UTH	DIST.		I		R	T	Lc	Ë	e(%)	W(m)	V(kph)	Р	C	Р	T
<u> </u>	NORTHING	EASTING				<del></del>		-								· · · · · ·					
					244 5	9 49	18.672														
59	1,334,838,553	430,617,712	4 +	445,485			10.071	4	58 4	5 R	10	7.810	13.261	2.688	ES	8	30	4 +	437.68	4 +	450.94
					320 5	8 53	22.752									1	ļ				
60	1,334,820,876	430,632.036	4 +	465,878	_			21 :	52 4	8 L	55	10.631	21,003	1.018	ES		-	4 +	455. <b>25</b>	4 +	476.25
61	1,334,788.097	430,704,925		545.851	294 1:	2 50	79,92	41 4	27 3:	2 .	35	13 246	25,326	2,423	ES	_	-	4 +	532.61	4 +	557.90
	1,334,786,097	430,704,923		943.03)	247 2	9 18	52,992		<u></u>												
62	1,334,808.386	430,753.879	4 +	597.677				52 3	54	7 R	25	12,438	23.083	2,923	ES	Ą	30	4 +	585.24	4 +	608.32
					300 2	3 25	100.704	-							50	_	_	4 +	682.28		708.23
63	1,334,757,441	430,840.746	4+	696,588			an haa		34 4	<u> </u>	25	14.311	25.996	3.807	ES			4 +	00720		100,2
64	1,334,775,827	430,873.661	4+	731,663	240 4	8 46	37,702	4	16 .	8 R	25	4.020	7,971	0.321	ES	-		4 +	727.64	4 +	735.61
- 04	1,034,110,027	400,074.001		14.1,4.40	259 4	4 52	47.957														
65	1,334,784,911	430,920.750	4+	779.552				33 2	23 5	4 R	55	16.500	32.060	2.422	ES		-	4 +	763.05	4 +	795,11
		171			292 2	3 46	69.99	4		1									001.45	4.4	950 30
66	1,334,758.150	430,985,422	4 +	848,602					33 :	3 L	37	27,155	46.851	8,895	E\$	-	-	4+	821.45	4.*	868.30
67	1,334,816.212	431,034,018	4 +	916.859	219 5	5 42	75.715	4	45 23	3 1	100	7.656	15,283	0.293	εs	-	-	4 +	909.20	4 +	924.49
-0,/	1,334,5(6,212)	-431,034,010		J 10.000	211 10	20	52,582	<u> </u>	****	-											
68	1,334,861.202	431,061,235	4 +	969,411			7737	33 2	27 23	2 ا	30	9.016	17,518	1.326	E\$		-	4 +	960.39	4 +	977.91
		and the second	•		244 3	7 43	65,387											<b>.</b>	55.16		20.41
69	1,334,889,219	431,120.315	5 +	34.283				11 4	48 2	2	50	5.167	10.298	0.266	ES	-	_	5 +	29,12	5 +	39.41
70	1,334,897,834	431,156,005	5 +	70.961	256 25	45	36,715	72 5	59 45	2 8	20	14.798	25,480	4,879	ES	8	30	5 +	56,16	5 +	81.64
70	1,334,037,004	431,130,000	-	70,30.	329 25	5 27	69,053	<u> </u>	·												
71	1,334,838,382	431,191.131	5 +	135.899	V			37 3	38 12	2 د	50	17.039	32,844	2.824	ES	-	-	5 ↔	118.86	5 +	151.70
					291 4	1 13	44.31			ļ								-		e .	10100
72	1,334,821,936	431,232,276	5 +	178,974				50 1	12	2 L	30	14.086	26.339	3.142	ES		-	5 +	164.89	5+	191.23
70	1 204 055 030	421 212 A41	. 5 .	269.057	241 29	9 0	91,916	120 1	14 59	8 8	16	27.853	33.580	16.121	ES	_	_	5 +	241.20	5 +	274.78
73	1,334,865,818	431,313.041	3 +	209.037	1 40	55	64.183	'EV	. <del>v</del> .J0	~ ^		21.044	00.000	7-94-116-1							
74	1,334,801.664	431,311,101	5 +	311,115			0-7,100	5 2	25 12	2 L	100	4.733	9.460	0.112	ES	-	-	5 +	306.38	5 +	315.84
			÷. ÷		356 18	3 48	73,639				1	-				ŀ				_	
75	1,334,728,177	431,315.836	5 +	384,747				63 2	23_4	5	23	14,204	25.449	4.032	ES	-	-	5 +	370.54	<u>5 +</u>	195.99
		404 000 ***		405 4F-	292 5	5 1	73.663	27 3	د ده	, ,	70	17,151	33,639	2.070	ES .	_	_	5 +	438.30	5 +	471.94
76	1,334,699,493	431,383,685	5 +	455,451	265 23	, ,	81,207	-4/ 3	o		-/۷	11,101	30.039	2.07.0	دي		· · ·	<u> </u>	-4.0.00	••••	
77	1.334.706.029	431,464,629	. 5+	535.995	200 /	<del>,  </del>	01.2,07	9_1	1423	3 R	100	8.081	16.126	0.326	ξS	_	-	5 +	527.91	5+	544.04
					274 37	7_25	32.006					_									
78	1,334,703,449	431,496,531	5 +	567,966				31 2	25 46	6 R	35	9.848	19,199	1.359	ES			5 +	558.12	5 +	577.32

	and Etang)					1			_			_	<del></del>				ing Super	-	-			7
PI NO.	COORD		Pi :	ST/	ATION	AZI	МЏТН	DIST.		ŀ		R	ı	Lc	E	e(%)	(m) vv	V(kph)	P	C	_	•
	NORTHING	CASTING	<del>  -</del>			$\vdash$			$\vdash$			<del>                                     </del>										
			-			306	3 9	41,804											_		_	
79	1,334,678,846	431,530,329	<u> </u>	5 +	609.273	1		00.505	42	3	_26L_	30	11.533	22.021	2.141	ES	-	-	5 +	597.74	5 <u>+</u>	619.7
80	1,334,682.876	431,568.643	5	5 +	646.753	_	59 44	38.525	4	1	25 R	50	14.822	28,819	2.151	ÉS	-	-	<u>5</u> +	631,93	5 +	660.7
81	1,334,663,804	431,606,042		5 +	687.909		1 11	41.981		58	24 R	50	13.385	26.157	1.761	ES	-	_	5+	674.52	5 +	700.6
	1,334,583,789	431,658,020	T .		782.711	326	59 32	95,415	4	45	52 L	60	15 045	31,169	2.083	ES	_		5 +	766.77	5+	797.9
82	1,334,363.769	431,036,020	<del>                                     </del>	, ,	707,.111	297	13 40	75.2			<u> </u>	30	10.00	01.10					_			
83	1,334,549.383	431,724,887		<u>5</u> +	857,190	3	20 40	39,097	_	19	57 R	40	15.088	28.856	2.751	ES	-	~	5 +	842.10	5 +	870.9
84	1,334,512,991	431,739.177		5 +	894,967		33 42	39,097	4	13	45 L	25	2.018	4.027	0.081	ES			5 +	892.95	5 +	896.9
EOP	1,334,504.360	431,744,300		5 +	905.000		18 30	10.037			L		_0.000	0.000	0.000	ES	_	-	5 +	905.00	5 +	905.0
						318	34 27	49.818		^^			2.031	4.060	0.041	ES	_	•	5 +	952.79	5.4	956.8
85	1,334,467,006	431,777.262	┝	+	954.818	1	13 18	140.685	_	39	<u>7 L</u>	50	2.031	4,000	0.041	E3				336.73		30 0.0
86	1,334,354,323	431,861,493	<del>                                     </del>	5 +	95,501					13	18 L	110	55,110	102.178	13.033	es	-	-	6 +	40.39	6 +	142.5
87	1,334,354.323	432,012,836	<u>_</u>	5 +	238.802		0 0	151.343		2	28 L	95	22.844	44.836	2,708	ES	<u> </u>	-	6+	215,96	6+	260.7
88	1,334,371,969	432,047.407		S +	276,765		57 32	38.814		26	3 R	20	11.883	21.445	3.264	ES		-	6 +	264.88	6+	286.3
89	1,334,327,760	432,111,988			352,706	304	23 37	78.263		22	53 L	52	51 442	81,120	21 145	ES	_	-	6 +	301.26	6 +	382.3
-0.3	1,334,327.700	402,111,1300	<u> </u>	,	302.700	1	0 39	60.621												***		
90	1,334,377.411	432,146,768	<del> </del> 5	<del>} +</del>	391,564	1	16 4	29.672		15	22 R	25	5,831	11.456	0.671	ES	<del>-</del>	•	6.+_	385.73	6+	397.1
91	1,334,391,675	432,172.787	_	<u>; +</u>	421.031	241	10 ,4	23,072		12	49_R	65	13,351	26.335	1.357	ES	-	-	6 +	407.68	6 +	434.0
92	1,334,399,599	432,254,805		<del>)</del> , +	503.065		28 54	82.4		7_	35 R	17	21.809	30,895	10,652	εs		-	6+	481.26	6 +	512.1
93	1,334,317,390	432,242,361		5 +	573.488		36 27	83.145		- 17	0 L	12	27,786	27.915	18.266	ES	8 _	30	6.+	545.70	6 +	573.6
	1					235	19 29	77.376														651.4
94	1,334,361,411	432,305,994	<del>  •</del>	<u>;</u> +	623.207	1	42 21	128,314		22	53 R	125	29.297	57.555	3.387	ES	-	-	6 +	593,91	6+	031.4
95	1,334,379.921	432,432.966	1 6	5_+	750.482				158	27	28 L	9.5	49.938	26,273	41.333	ES	8	30	6+	700.54	6+	726.8
96	1,334,401,367	432,341,873		5 <b>+</b>	770,463		14 52	93.583	80	0	56 R	20	16.787	27,931	6.111	ES	8	30	6 +	753.68	6 +	781.6
97	1,334,477,952	432,346,239		• .	841.530		15 46	76.709		20	11 L	50	7.697	15,274	0.589	ES	_	 	6 +	833.83	6 +	849.1

R-1(Gra	and Etang)									_						ing Super					
PI NO.		INATES	PI ST	ATION	AZII	MUTH	DIST.		1		R	τ	Lc	E	e(%)	W(m)	V(kph)	p.	C	F	Ţ
1 7 . 101	NORTHING		1		_																
	110														[						
					165	45 38	82.94		_							.				e +	916.
98	1,334,558,344	432,325,838	6+	924,350				144_	42	50 R	13.5	42.447	34.097	31.042	ES	8	30	6 +	881.90	0 +	910.
						28 28	68,107	4			امما		30.833	7.881	E\$	_	_	6+	922.24	6 +	953.
99	1,334,514.135	432,377.647	6+	941.661	7				19	49 [_	20	19,425	30.633	7,601	<u> </u>	<del></del>		<u> </u>	J. C. C.		
	1004554000	400 41 4 50 4		988.600	~~~	8 43	54.957		13	12 L	25	4.909	9,695	0.477	ES	_		6_+	983.69	6+	993
100	1,334,554.883	432,414.524	0.4	350.000	٦	55 22	51,201		, ,	1 4, 14,											
101	1,334,603,020	432,431.971	7 +	39.678		55 1.2.	0		50	43 L	35	9.001	17.521	1.139	ES		<u> </u>	7 +	30.68	7 +	48
	1,00 1(3,000.0				171	4 46	26.499	[											50.03	• •	76
102	1,334,629,198	432,427,862	7 +	65,795				67	44	50 R	20	13,426	23,548	4.089	<u> </u>	8	30	7 +	52.37	7 +	10
						49 34	42.443	4			ارما	4.000	9,610	0.232	28	_		7 +	100.21	7 +	109
103	1,334,651.168	432,464.176	7.+	105.034	7		00.075	11	0	44 R	50	4.820	9.610	V.232	- 53	-	-	· ·	1000		
.04	1,334,664,946	432,501.702	7 +	144,979		50 20	39.975	4	49	31 L	20	7.843	14,949	1.483	ES			7+	137.74	7 +	152
104	1,334,664,946	432,301,702	-	,44,313	7	0 45	67.578														
105	1,334,725,152	432,532,395	7 +	211.820	_				43	27 L	40	14.056	27,035	2,398	ES	-	-	7 +	197.76	7 +	224
					168	1719	57.95	4			i					.	20	7 +	234.48	7 -	279
106	1,334,781,896	432,520,632	7 +	268.692	4				10_	41 R	23	34.213	45,031	18.226	E\$	8	30	, <del>, , ,</del>	734,46		2,13.
		400 570 570		200 126	280	28 1	53.84		٥	37 L	15	9.586	17.059	2.801	ES	_	_	7 +	289.55	7 +	306
107	1,334,772,115	432,573.576	-/-	299,136	7	18 23	29,695		<u> </u>	<u> </u>	"	5.000									
108	1,334,796,348	432,590,738	7 +	326.719		10 20	2.5.050		14	11 8	25	4.687	9.266	0.436	ES		-	7 +	322.03	7 +	331
1,00	1,00-1,100,0				7	32 38	42.402								į					_	
109	1,334,819.724	432,626.114	7 +	369,013				77	31	1 R	15	12.845	21.647	4.518	ES.	8	30	7 +	356,17	7.+	377
	1					3 35	42,404				ا , , ا		15001	0.700	εs	_	_ :	7 +	392.92	7 +	409
110	1,334,790,236	432,656,586	7 +	407.373	7				8	19 L	7.5	14,450	19,361	8.780	Εδ				0.0202.		
	1 004 043 001	ADD CCA FED		446.322		55 15	51.468		55	22 R	25	4.166	8,257	0.345	ES	-		7 +	442.16	7 +	450
111	1,334,841,081	432,664.567	1 / -	440.022	7	50 40	80.343	f	~ Y												
112	1,334,912,122	432,702.093	7_+	526.589		VV	00.000		47_	3 R	30	13.604	25.543	2.940	ES_	8	30	7 +	512.99	7 +	538
					256	37 41	37.796											_		٠.	5 50
113	1,334,920,863	432,738,864	7 +	562.721	-			16_	2	41 R	50	7.047	14.002	0.494	ES_		<del>-</del> -	7 +	555,67	7 +	569
						40 24	101.781	٠.	cc	10 1	ا مرد ا	10.858	16.846	4.605	ES	_		7 +	653.55	7 +	670
114	1,334,916,116	432,840,534	7+	664,410	1 .		45.004		35	19 L	10,3	19.858	10.040	4,003	40	<del></del>			440.00	·····	
115	1,334,960,106	432,841.111	7 +	703.533	180	45 5	43.994		42	15 R	50	4,244	8,468	0.180	ES			7 +	699.29	7 +	707
115	(,334,300,100	402,041.111		, , , , , , , ,	٦,	27 14	34.17														
116	1,334,993,709	432,847.311	7 +	737.683				4	16	40 L	50	14,943	29.040	2,185	ES	<u> </u>		7 +	722.74	7 +	751
					157	10 40	58.267												700.00	<b>.</b>	044
117	1.335.047.414	432,824,711	- 7+	795,105			l	74	34	10 R	35	26.648	45.552	8.990	ES			7 +	768.46	/ +	814.

# A11-/

-1(Gra	ind Etang)										,			ing Super					
PI NO.	COORD		PI S	TATION	AZIMU	TH DIST.	1	1	R	T	Lc	E	e(%)	W(m)	V(kph)	Þ	C	P	ŗ
	NORTHING	EASTING			<del> </del>		-		-		<del> </del>			<del>                                     </del>	<del> </del>				
			<del>                                     </del>		231 44	49 44,4:			1					-		·····			
118	1,335,074,922	432,859.601	7	+ 831.791		43 44.4.	-4	36 23 R	15	7.578	14.034	1.806	ÉS			7 +	824.21	7 +	83
					285 21	12 48,65	_							ĺ	į				
119	1,335,062.040	432,906,518	7	+ 879.322	1		$\overline{}$	55 40 R	35	5.834	11.562	0.483	ES	-	-	7 +	873,49	7 +	88
120	1,335,049,967	432,924.229	, ,	+ 900.649	304 16	51 21.43		45 55 R	35	3,606	7.187	0.185	ES	<u> </u>	-	7 +	897,04	7 +	90
					316 2	50 56.44													
121	1,335,009,332	432,963,405	7	+ 957.068	7	1		<u>42 43 L</u>	25	35.513	47.871	18.430	<u>ES</u>	8	30	7 +	921,55	7 +	9€
122	1,335,061.242	432,989.099	7.	+ 991.833	206 20	3 57.92	_	31 54 R	50	13,646	26,644	1.829	ES	_	-	7 +	978.19	g +	
16.6	7,000,000,2-2	402,003.030		331.000	236 51	59 109.211		04 11	1	10,0,0								·	_
123	1,335,120,936	433,080.552	8 -	+ 100.395	***		22	54 38 L	25	5.066	9.997	0.508	ES	-	-	* 8	95.33	8 +	10
		400 100 010		. 100.000	213 57	26 81.74	4			0.000	0.000	0.000	ES		_	8 +	182.00	8 *	1.8
EOP	1,335,188,736	433,126.210	8.°	+ 182.000	217 42	16 42.692	,	-	1	0.000	0.000	0.000	50				162.00	- 2 -	
124	1,335,222.513	433,152,320	8 -	+ 224.690		10 42.00	-	4 0 R	50	4.404	8,785	0.194	ES	<u>-</u>	-	8 +	220.29	8+	22
					227 46	25 85.53	4			17.555	00.005	3.683	ES	ļ		8 +	292.64	0.4	24
125	1,335,279,995	433,215.655	8 .	+ 310,198	180 22	53 45.22		23 28 L	40	17.555	33.085	3.683	55		-	0 **	797.04	8 +	3
126	1,335,325,222	433,215.956	8	+ 353.401		J3 45.221	<b>-</b> 2	39 27 R	50	11.386	22.390	1.280	ES		_	8 +	342.07	8 +	3
					206 2	22 36.11	<b>≕</b>					4 204				<b>A</b> .			_
127	1,335,357.673	433,231,811	8	+ 389,137	225 26	1 58,220		23 <u>36 R</u>	50	8.544	16.924	0.725	ES	-	-	8 +	380.59	8+	3
128	1,335,398,532	433,273,293	8	+ 447,199		1 58,220	_	27 2 R	50	9.470	18.719	0.889	ES			8 +	437.73	8 ÷	4
				<u> </u>	246 53	1 46.839	-								į				
129	1,335,416,921	433,316,371	8 -	+ 493,816	1			37 15 R	25	11,293	21.215	2.432	ES	-	-	Ŗ +	482,52	8 +	5
130	1,335,402.071	433,347.497	l a	+ 526.931	295 30	20 34.48	-	1 22 5	200	5.277	10,551	0.070	ES		-	8 +	521.65	8 +	5;
					292 28	54 94.979													
131	1,335,365,752	433,435.258	8 :	• 621.908	1			40 18 L	11	15,907	21,247	8.340	ES	8	30	<u>8</u> +	606.00	8 +	63
132	1,335,410.139	433,436,661	A -	+ 655.750	181 48	38 44.409		10 12 R	15	14.656	23.214	5,971	ES		_	8 +	641.09	8 +	64
- · · · · · · · · · · · · · · · · · · ·					270 28	47 92.343													-
133	1,335,409,366	433,529.001	8 -	• 741 <u>.995</u>	1		39	43 <u>0 R</u>	30	10.835	20.796	1.897	ES	-	-	8 +	731 16	8 +	7:
134	1,335,382.820	433,560.417	. ۾	• 782.250	310 11	50 41.13		20 52 R	100	15.256	30.278	1,157	ES	_	-	8 +	766,99	8 +	7-
1,07	1,00,002.020	480,879,417		102.230	327 32	41 41,495		V VE. IN	'*		VV.2.70								
135	1,335,347.806	433,582,685	8 -	+ 823.512			-	32 55 L	18	14.202	24,048	4.928	ES	-	-	8 ÷	809,31	8 +	Ą;
	1,335,364.090	433,629,966		+ 869.162	250 59	45 50.007	27		40	9.773	19.171	1.177	ES			8 +	859.39	8 +	87

0.4(0	and Etang)	IADLE C	,	J () 1 L	/ I I I I I I I I I I I I I I I I I I I	71110	••••						ES:Exist	ing Super	elevation				
PI NO.	COORD	INATES	DI ST	ATION	AZIMUTI	TRIG	T -	ī	R	Ť	Lc	Ε	e(%)		V(kph)	P	C	Ь.	T
PI NO.	NORTHING		7.01	A 1101		1 3.0	1	'	,,	•		_	• •				ţ		
	NORTHING	EASTING				-			_										
					278 27 2	4 82.258	-										į		
137	1,335,351.993	433,711.330	8 +	951.045			48 18	3 6 L	65	29.145	54.797	6.235	ĘS	-		8 +	921.90	<u>8 +</u>	975,70
					230 9 1	75.88										_		•	00.41
138	1,335,400 610	433,769.589	9 +	23,431			77 41	29 R	29	23.403	39,382	8.266	ES_			9 +	0.03	9 +	39.41
			!		307 57 4	3 72.325						0.050	ES	_		9 +	73.91	9 +	101,83
139	1,335,356,119	433,826,610	9+	88.331	7		35 3	3 1 (	45	14.426	27.921	2.256	ES	-			, 0. 51		107,03
l		155 405 675		100107	272 24 4	4 38.797	15 3	8 A1 1	50	6,854	13.624	0.468	ES	-	-	9 +	119,34	9 +	132.97
140	1,335,354.486	433,865.373	9 +	126.197	7	46,275	10 0	J 41 L		0.00	10.02	<b>y</b> , 15:5							
141	1,335,365.052	433,910,426	9 +	172,387		90.273	8 14	4 21 R	75	5.402	10.785	0.194	ES	_	-	9+	166,99	9+	177.77
7.41	1,000,000,002	400,010,012		172307	265 2 2	9 41,499													
142	1,335,368,639	433,951.770	9 +	213.867			21 1	28 R	35	6.547	12.945	0.607	ES	-	-	9 ◆	207.32	9+	220,26
					286 13 5	26,751	j										000.04	Λ.	040 04
143	1,335,361,162	433,977.455	3+	240.469			18 2	29 L	- 60	9.525	18,893	0.751	ES	-	-	9+	230.94	9 +	249.84
					268 11 2	6 66.597				14.029	24.468	4.430	ES	8	30	9 +	292.88	9 +	317,35
144	1,335,363,265	434,044,019	9+	306,908	7		70	5 40 L	20_	14.029	24,400	4.430	60	-			1,112,142		
1	1,335,400.278	434,056,114	٠. ۵ ـ	342.257	198 5 4	8.939	22 5	3 26 R	50	10,161	20.049	1.022	ES	-	- 1	9 +	332.10	9 +	352.14
145	1,333,400,276	454,050,) 14		344.237	221 4	8 45.742													
146	1,335,434,764	434,086,165	9+	387.726		1	41 1	28 R	30	11.274	21.568	2.048	ES	-	-	9 +	376.45	9+	398.02
					262 15 4	31.046					li				ŀ				
147	1,335,438,944	434,116,928	9 +	417,792			20 50	) 23_L	40	7.356	14,549	0,671	ES			9+	410.44	9 +	474.99
					241 25 1	4 44.837	Ì							_	1 1	9 +	456.65	9 +	468.23
148	1,335,460,393	434,156,302	9 +	462,467	1		13 1	36 R	50	5.819	11.586	0,337	ES				430.03	3 1	-,00,20
					254 41 5	37.489	26 40	9 23 L	45	14,980	28,921	2,428	ES	_	_	9 +	484,92	9 +	513.84
149	1,335,470,287	434,192.462	9+	499,904	4	48,873	36 43	9 Z3_L	~,,,	14.900	79.92	2,420	<u> </u>						
150	1,335,508.865	434,222,467	9 +	547.738	217 52 3	46,673	7 13	5 47 L	100	6.347	12,676	0.201	ES			9+	541.39	9 +	554.07
130	1,333,300.000	404,222,407			210 36 4	44.425											ì		
151	1,335,547.099	434,245,089	9 +	592.146			117 5	20 R	14.5	24.063	29,826	13.594	ES	-		9+	568.08	9+	597.91
					328 28	63.251												٠.	ere en
152	1,335,493,187	434,278.168	9 +	637,097			96 5	23 L	17	19,189	28.758	8,636	<u>es</u>	8	30	9+	617.91	9 +	646.67
	-				231 32 3	70.996				20.469	33.896	7.543	ES	8	30	9 +	678,00	9 +	711.90
153	1,335,537,340	434,333,764	9+	698,472				5 13 L	24	20,409	33.090	7.043	ĘJ				37.55		
	1 225 500 000	434,298,549		763.219	150 37 2	71.789		9 46 R	14	35.997	33.597	24.624	ES	-		9 +	727.22	9 +	760.82
154	1,335,599,899	434,296,349	, y <del>y</del>	700.7.19	288 7 1	4 78.71	· · · · · ·	N											
155	1,335,575,419	434,373,355	: 9 +	803.531	F-170 7	7 10.71	127 2	9 L	12	24.264	26.676	15.069	ës	8	30	9 +	779.27	9+_	805.94
,,,,,					160 45	128.094								1					
156	1,335,696,352	434,331,126	9 +	909.774		1	150 2	2 35 R	20	74,753	52.375	57.383	es	-	<u> </u>	9 +	835.02	્ •	887.40

	and Etang)		1				0.0=		····		-	~			e(%)	ing Super	V(kph)	Р	_	r.	,
PI NÖ.	COORD NORTHING		IPI ST	ATION	AZI	MUTH	DIST.		!		R	ļ ļ	Lc	E	e(%)	VV(III)	V(Kpn)				1
					310	47 40	110,156			-											
157	1,335,624.382	434,414,520	9+	922,798				71	59	20 L	38	27.603	47.745	8,967	ES	-	-	9+	895.20	9+	942
158	1,335,656.848	434,468.140	9+	978,020		48 21		50_	48	38 R	33	15,€73	29.265	3.533	ES		_	9+	962,35	9+	991
159	1,335,643.629	434,505.226	10 +	15.309		37 5	39,371		44	59 L	26	13,463	24.845	3.279	€S	8	30	10 +	1.85	10 +	26.
160	1,335,676,631	434,552.126	10 +	70,577	234	52 2	57.348		55	9 R	50	16.207	31.345	2.561	ES		_	10 +	54,37	10 +	85
161	1,335,675,908	434,604.746	10 +	122.133		47 14	<b>52.62</b> 5	4	1	10 L	100	5.258	10,506	0,138	ES		-	10 +	116.88	10 +	127
162	1,335,682.179	434,673,223	10 +	190.887	264	46 3	68.764		39	59 L	30	14.849	27.576	3.474	ES	_	-	10 +	176.04	10 +	203
163	1,335,715,454	434,694,098	10 +	228,047		6 7	39,281	54	17	35 R	32	16,408	30.323	3,961	ÉS	8	30	10 +	211.64	10 +	241
164	1,335,717,745	434,730,448		261.976	266	23 37	36,422		32	56 L	38	14.037	26.893	2.510	ES	-	-	10 +	247,94	10 +	274
165	1,335,733,105	434,746,267		282.843	225	50 36	22.049			30 R			4,176	0.073	ES	_		10 +	280.75	10 +	284
					233	49 15	36,543				50		3.600	0.032	ES	_	_	10 +	317.58	10 +	321
166	1,335,754.677	434,775,764		319,380	229	41 42	54.926			31 L							-				
167	1,335,790.206	434,817.651	10 +	374.304	1	4 45	55.362	99_	23	4 R	28	33.007	48,568	15.284	ES	. 8	30	10 +	341.30	10 +	389
168	1,335,742.712	434,846,099	10 +	412.220	1	17 31	35.421	23	47	16 L	40	8.425	16.607	0.878	ES	<del>.</del>	-	10 +	403.79	10 +	420
169	1,335,722.248	434,875,010	10 +	447.398		25 31	31,402		51	55 L	45	15.876	30.525	2.718	ES	-	-	10_+	431.52	10 +	467
170	1,335,724.206	434,906,351	10+	477.573				13	38	20 R	40	4.783	9.522	0.285	ES	-	-	10 +	472.79	10 +	482
171	1,335,720,167	434,929,104	10 +	500.637		3 58			14	<u>0 L</u>	20	7.128	13.695	1.232	ES	8	30	10 +	493.51	10 +	507
172	1,335,737.294	434,959.789	10 +	535.216		49 54			30	32 R	25	20.429	34,256	7.285	ES	-	-	10 +	514.79	10 +	549
173	1,335,703.980	434,988.403	10 +	572.530		20 24	43,916	,	35	<u>1_L</u>	25	10.762	20,326	2.218	es	8	30	10 +	561.77	10 +	582
174	1,335,702.084	435,027,772	10 +	610.746		45 26	39.415		42	40 R	19	16.433	27.096	6.120	ES	-		10 +	594.31	10 +	671
175	1,335,614,467	435,036,258	10 +	693.005	354	28 5	88.027	152	34	29 L	15.75	64.547	41.941	50.691	ES	8	30	10 +	628,46	10 +	670
176	1,335,712.661	435,075.719	10 +	711,677		53 37	105.826		8	2 R	200	8.966	17.921	0.201	ES	_	. ]	10 +	702.71	10 +	720
					207	1 39	109,058				i T										

-1(Gra	and Etang)														elevation				
I NO.	COORD	INATES	PI STATI	)N AZ	TUMI	H DIST.		1	R	T	Lc	Ε	e(%)	W(m)	V(kph)	PC	,	P	Ţ
	NORTHING	EASTING							ļ										_
							12	8 55 R	100	10.642	21,203	0.565	E\$		_	10 +	810.08	10 +	8
177	1,335,809.809	435,125.277	10 + 820.		10 3	3 47.419	-	<u> </u>	1 100	10.041	2 .200	0.000							
178	1,335,846,569	435,155.232	10 + 868.					17 49 R	200	7.503	14,999	0.141	ES	-	-	10 +	860.56	10 +	
179	1,335,868.857	435,176.362	10 + 898.		28 2	0 30.712		42 37 L	20	4.381	8.626	0,474	es		-	10 +	894.39	10 +	
180	1,335,898,144	435,186.311	10 + 929.		45 4	7 30.931	_	56 27 R	14	14.738	22,710	6,327	ES	8	30	10.+	914.82	10 +	!
181	1,335,882.072	435,226,691	10 + 966.		42_1	3 43.461		18 15 R	50	6.274	12.483	0,392	ES_			10 +	959.98	10 +	
182	1,335,865,744	435,249,159	10 + 993,		0 3	4 27.77	ᆏ	33 1 L	100	7,475	14,923	0.279	ES		-	10 +	986.49	11 +	
183	1,335,857.276	435,265,454	11 + 12.		27 3	4 18.354	-	34 24 R	25	1.874	3,741	0.070	ES		_	11 +	10.43	11 +	
84	1,335,846,403	435,280.403	11 + 30,		1 4	8 18,485	16	15 <u>7</u> L	100	14.278	28.365	1.014	ES_	-	_	11 +	16.50	11 +	
185	1,335,829,594	435,327.147	11 + 80.		46 4	2 49.674	_	47 22 R	15	15.749	24.292	6.749	ES_	8	30	11 +	64,51	11 +	_
186	1,335,746.669	435,292,683	11 + 162.		34	5 89.802	148	21 5 L	11.25	39,692	29,129	30.006	ES_			11 +	123.17	11 +	_
87	1,335,801.142	435,368,258	11 + 205.	-	12 6	0 93.161		20 46 L	50	2,772	5.538	0.077	ES	-	-	11 +	202.99	11 +	
188	1,335,822.627	435,392.011	11 + 237.		52 1	2 32.028	4	8 53 R	30	9,502	18,403	1,469	Ĕ\$_	-	_	11 +	228,29	11 +	
89	1,335,828,233	435,437,784	11 + 283.	263 302	_1	3 46.115	4	0 7 L	50	4.815	9,601	0,231	ES	<u>-</u>		11 +	278.49	11.+	_
190	1,335,839,734	435,473.217	11 + 320.	252 26	1	3 37.253	4	6 58 R	18	10.840	19.514	3.012	ES_	8	30	11 +	309.69	11 +	_
91	1,335,812.761	435,501.019	11 + 357.0		7 5	8 38,736	₹	51 1 <u>L</u>	22	17.142	29,124	5.890	ξS			11 +	339,95	11_+	_
92	1,335,837,305	435,540.730	11 + 398.	_	16 5	2 46,684		11 38 R	40	12.495	24.22]	1.906	ES	_	-	11 +	386.13	13 +	_
93	1,335,834,969	435,585.662	11 + 442.5		58 3		96	7 4 L	15	16.694	25,164	7,443	ES			11_+	426.15	11 +	_
24	1,335,888.480	435,582.724	11 + 488.	_	51 2		42 1	11 27 R	20	7.716	14.727	1,437	ĘS	8	30	11 +	480.50	11 +	
95	1,335,907,826	435,598.417	11 + 5124	20	2 5		46 5	60 9 R	10	4.331	8.174	0.898	ES	8	30_	11 +	508.09	11 +	
96	1,335,910,179	435,631,129	11 + 544.		53	9 32.797	67 2	22 5 L	27	17.996	31.746	5.448	ES	_	-	11 +	526.73	11 +	
97	1,335,957,331	435,646,922	11 + 590.3	_	31	4 49.727	3 1	8 8 L	200	5 765	11.527	0.083	E\$	_	_	11 +	584.45	11 +	;

R-1(Gra	and Etang)										ES:Exist	ing Super	relevation		
PI NO.			PI STATION	AZIMUTH	DIST.	I	R	Ť	Lc	Ë	e(%)	W(m)	V(kph)	P.C	PT
	4			195 12 52	104.054										
198	1,336,057,738	435,674,229	11 + 694,26		704.034	10 17 27 R	25	2,251	4,490	0.101	E\$	<u>-</u>	-	11 + 692.	01 11 + 696.5
FOP	1 336 064 740	435 677 570	11 + 702.00	205 30 29	7.758			0.900	0.000	0.000	ES		_	11 + 702.	.00 11 + 702,0

# A11-12

R-1(Gra	ind Étang)									<u> </u>					ing Super					_
PI NO.	COORD	INATES	PIS	TATION	AZI	MUTH	DIST.		1	R	T	Lc	E	e(%)	W(m)	V(kph)	Р	C	. 1	T
	NORTHING		1		1															
	110111111																			
					205	30 _29	7.758					j				i i		700.00		702
EOP	1,336,064.740	435,677.570	11	<b>+</b> 702.000							0.000	0.000	0,000	ES	-		11 +	702.00	<u> </u>	702.0
			ļ		205	30 6	15.207						1 500	ES	_	i _ i	11 +	704.73	17 +	729.
199	1,336,078.465	435,684.117	11	+ 717.207				28	0 57 R	50	12.474	24.448	1.532	E 3				10-110		
			١.,	. 240.045	233	31 20	32.237	20 5	4 19 L	15	5.298	10,185	0.908	ES	8	30	11 +	743.65	11 +	753.8
200	1,336,097,630	435,710.038	11	+ 748.945		26 60	69.968	36_9	4 13 L	1.7	<u> </u>	1000	0.500				-			
201	1,336,165.334	435,727,694	11	+ 818,503	V 10 11	36 58	09.900	35 5	4 22 R	15	4.860	9,400	0.768	ES		-	11 +	813.64	11 +	823.0
	1,330,100.034	405,12 1,003	<del></del> -	010.000		31 20	41.596					-								
202	1,336,191,780	435,759.801	11	+ 859.778		<u> </u>			2 31 R	100	3,238	6,473	0.052	ES	-	-	11 +	856.54	11 +	863.0
					234	13 53	26,085							_		]				202
203	1,336,207.027	435,780,966	11	+ 885.861				7 3	4 57 L	50	3,313	6,617	0,110	ES			11 +	882.55	11 +	889
			Ì			38 50	46.046					16 706	1 001	ES	_	_	11 +	923.76	11 +	939.
204	1,336,238,637	435,814.448	11	<ul> <li>931,898</li> </ul>					3 45 L	25	8.138	15.735	1.291	E (3				520.75		
		405 444 461	١.,	. 000100	_	35 12	24.766		9 45 R	25	8.042	15.561	1.262	ES	-	-	11 +	948.08	11 +	963.
205	1,336,262,981	435,818,998	<del>  ''</del>	+ 956.123		14 57	35.42	.00_0	<del>5 -10   11</del>		0.0.2	****								
206	1,336,287,475	435,844,584	11	+ 991.020	_	14 37	33.42.	7 3	2 24 R	100	6,589	13.160	0.217	ES		-	11 +	984.43	11 +	997
	1,000,201.10				1	47 16	26.692													
207	1,336,303.244	435,866,120	1,2	+ 17.693				25 3	0 34 L	50	11,318	22,261	1.265	ES	<u> </u>		12 +	6,37	12 +	28.
					208	16 46	50.224										12 +	59.80	12 +	75.
208	1,336,347.474	435,889.915	12	+ 67.542				11_4	7 0 R	75	7.739	15.424	0.398	ES	-	1	17.	J9.6 <u>V</u>	12.	1,5,
					220	3 45	52,932			35	9.152	17,903	1,177	ES	-	_	12 +	111.27	12 +	129.
209	1,336,387,985	435,923.983	12	+ 120.419		^^ -6	62,838	23 1	8 30 R	30	9.132	17.503	1,121						-	
210	1,336,410,124	435,982,792	12	+ 182.856	-	22 15	62.636	44 3	8 19 <u>R</u>	40	16.421	31,164	3.239	ES	-		12 +	166.44	12 +	197.
2.10	1,330,410,124	430,902.737.			1	0 33	55,439												ļ	
211	1,336,387.567	436,033.434	12	+ 236,617			\$5.700		5 31 L	22	14,541	25.697	4.371	ΕŞ	8	30	12 +	222.08	12 +	247.
					227	4 59	52.469	<u> </u>				1								***
212	1,336,423,295	436,071.859	12	+ 285.702				47 3	0 7 R	15	6.600	12.436	1.388	ES	ļ	-	12 +	279.10	12 +	291.
	- A				274	35 11	36.63					00.00-	0.000		_	_	12 +	309.86	12 +	333.
213	1,336,420,366	436,108,372	12	+ 321.567				13 2	1 1 <u>1 L</u>	100	11.706	23.305	0.683	ES	<del>  </del> -	+ -	12. 4	303.50	14.	4,04,04,1.
				. 074.700	261	13 59	53,335	34	0 3 R	35	10,701	20.770	1,599	ES	_	_	12 +	364.09	12 +	384.
214	1,336,428,495	436,161,084	12	+ 374.796	205	14 2	42.079	_ <del>-074</del>	v 9 K	1 00	10.0	2010		1,5 2,5						
215	1,336,410,556	436,199,148	112	+1 416,243	295	15 2	42.073	65 1	9 52 L	20	12.823	22.805	3,758	ES	8	30	12 +	403.42	12 +	426
X 10	1,330,410,330	400,193,140	, <u>, , , , , , , , , , , , , , , , , , </u>	-41.9%-78	229	54 8	29.556		<del></del>											
216	1,336,429,593	436,221.757	12	+ 442.958				22	2 37 R	35	6.817	13.466	0,658	ES		-	12 +	436.14	12 -	449
					251	56 42	36.905				, ·	1				] }	_			,
217	1,336,441,031	436,256,845	12	+ 479.695				84	8 11 R	17	15,344	24.964	5.900	ES			12 +	464.35	12 +	489

R-1(Gra	and Etang)	INDLEC	,, •	<b>.</b>	/11 <b>4</b> /-5 1 E		•••						ES:Exist	ing Super	elevation				
PI NO.		INATES	PLST	ATION	AZIMU	TH DIST.	1	1	R	T	Lc	E	e(%)	W(m)	V(kph)	p,	C	P	T
	NORTHING																		
ļ					336 4	34 28.213													
218	1,336,415.242	436,268.286	12 +	502.184			15 34	4 41 R	20	2.736	5,438	0.186	ES	-	-	12 +	499.45	12 +	504.89
					351 39	53 48.736	<del>-</del> ₹		20	11 547	20,943	3.094	ES	8	30	12 +	539.34	12 +	560.28
219	1,336,367,021	436,275.351	12 +	550.887	291 39	42 37.586		9 55 L	20	11.547	20,943	3,094	CO			~	3032.0		300.20
220	1,336,353,147	436,310,283	12 +	586,323		42 37,305	-	6 10 L	23	16,286	28.342	5.182	ES	В	30	12 +	570.04	12 +	598.38
					221 3	31 57.374								ŀ					
221	1,336,396.409	436,347.968	12 +	639.467	7			3 11 R	13	14.200	21.567	6.252	ES	-	-	12 +	625.27	12 +	646,83
222	1,336,367,821	436,375,468	12.4	672.301	316 6	41 39,66		1 35 L_	8	12,286	15.898	6,661	68	8	30	12 +	660.02	12 +	675,91
222	1,330,301.621	430,370,400	14.	072.301	202 15	9 75.143		UVL_	ľ	18.3.00	1010,00	5,5 4	<u>× ··</u>		, i				
223	1,336,437,368	436,403,924	12 +	738.770				3 54 L	25	13,078	24.099	3.214	ES	8	30	12 +	725.69	12 +	749.79
					147 1	12 36.436	~							5	_		305.04	* * *	300.10
224	1,336,467.933	436,384.090	12 +	773.149	1		27 23	3 3 R	30	7,309	14,338	0.877	ES	-	_	12 +	765,84	18 =	780.18
225	1,336,559,252	436,375,144	12 +	864,625	174 24	18 91.756		5 29 R	100	11,474	22,849	0.656	ES	_	-	12 +	853.15	12 +	276,00
<u> </u>	1,550,559,252	430,010.144		004.020	187 29	41 30.866		A								• • • • • • • • • • • • • • • • • • • •			
226	1,336,589.854	436,379.170	12 +	895,391			36_33	3 16 R	25	8,257	15,950	1.328	ES		-	12 +	887.13	12 +	903.08
					224 3	2 65.641	1			0.000		0.000	5.0	_	_	12 +	960.47	12 +	960.47
227	1,336,637.032	436,424,810	12 +	960,468				•		0.000	0.000	0.000	ES			·// +	300.47		300,47
228	1,336,640,230	436,425,177	12 +	963.687	186 32	48 3.219	4			0.000	0.000	0.000	ES.		- [	12 +	963.69	12 +	963.69
					229 36	6 20.977													i
229	1,336,653,825	436,441,152	12 +	984,664				3 36 R	50	6.277	12.488	0,392	ES	-	-	12 +	978,39	12 +	990,88
230	1,336,670.758	436,475.735	13 +	23,105	243 54	43 38.506	4	5 59 L	50	7.079	14,064	0.499	ES	_	_	13 +	16.03	13 +	30.09
2.30	1,336,670,736	436,473.733	13 +	23,103	227 47	41 18,984		<i>,</i> 03 <b>c</b>		7,0,0	1, 5, 5, -	0,400		-					
231	1,336,683,511	436,489,797	13 +	41,996		,, , <u>,,,,,</u>		5 4 R	50	2.592	5.179	0.067	ES	-	-	13 +	39.40	13 +	44.58
					233 43	50 60.533	_										20.44		.05.57
232	1,336,719,321	436,538.601	13 +	102.524			2 19	<u>9 L</u>	200	4.048	8.095	0.041	ES			13 +	98.48	13 +	106.57
233	1,336,756,844	436,585,624	10 +	162.682	231 24	40 60.159		2 40 R	50	4,321	8.620	0.186	ES	_	_	13 +	158,36	13 +	166.98
7.00	7,000,100,044	400,080,024	+3 +	102.002	241 17	18 71,663			- Vu		0.02.01								
234	1,336,791,271	436,648.476	13 +	234.324	<u> </u>	7.,000		48 L	25	7.389	14.368	1.069	ES		‡	13 +	226,93	13 +	241.30
					208 21	28 41.897					25.50	أحمده			ļ		000.45	10.	207.07
235	1,336,828,140	436,668.376	13 +	275.812			41 46	6 40 L	35	13.357	25.521	2.462	ES		- !	13 +	262.45	13 +	287.97
236	1,336,869,764	436,658.445	13 +	317,409	166 34	51 42.792	19 3	36 L	35	5.876	11,643	0,490	ES	-		13 +	311,53	13 +	323.18
		3.310030	.,,	0,7,400	147 31	15 40.591													
237	1,336,904.006	436,636,648	13 +	357.892			47 13	3 R	30	13.112	24,723	2.740	ES	8	30	13 +	344.78	13 +	369.50

R-1(Gra	nd Etang)															ng Super	elevation		<del></del> ,		
PI NO.	COORD	INATES	PI STA	TION	AZI	HTUN	DIST.		ŀ		R	T	Lc	E	e(%)	W(m)	V(kph)	P	C	P	Т
	NORTHING				ļ .																
					194	44 19	34.008														
238	1,336,936,895	436,645.300	13 +	390,398				18	42_	49 R	35	5.767	11.431	0.472	ES	<del>-</del>	-	13 +	384,63	13 +	396.06
239	1,336,951,420	436,654,896	13 +	407.705		27 3	17,409		5	39 R	50	3.099	6.191	0.096	es_	_		13 +	404.61	13 +	410.80
240	1,336,972.187	436,672.662	13 +	435.026	<del></del>	32 48	27.329	4	52	56 L	30	2.858	5,698	0.136	£\$	-		13_+	432.17	13 +	437.8
					209_	39 49	69.694														
241	1,337,032,747	436,707,154	13 +	504,703				17	28_	47 R	75	17.530	22.881	0.881	ES	-	-	13 +	493.17	13 +	516.03
040	1 000 000 000	436,777.289	13 +			8 39	95.673	•	22	9 R	75	13,598	26.903	1.223	εs	_		13 +	586.60	13 +	613.50
242	1,337,097.820	430,717,209	13 -	000,1,00	1	41 45	51,393		90	***		10,000	20.500		<u>````</u>						
243	1,337,117.325	435,824,837	13 +	651.297	_		9,,,,,,		35	55 R	75	12.954	25.655	1,110	ES	-	-	13 +	638.34	13 +	664.00
244	1,337,119,600	436,872.990	13 +	699.251	267	17 42	48.207	13	47	3 R	50	6.044	12.029	0.364	£Ş		-	13 +	693,21	13 +	705.24
EOP	1.337.117.720	436,882,620	13 +			2 48	9.812					0.000	0.000	- 0.000	ES		•	13 +	709.00	13 +	709.00
245	1,337,114.310	436,900.008		726.724	281	5 44	17,719	16	7	9 L	50	7.080	14.067	0,499	ES	_	_	13 +	719,64	13 +	733.71
245	1,337,114.310	436,900,008	13.4	77.0.724	264	57 39	37.809				¥										
246	1,337,117.631	436,937,671	13_+	764.439				38	4	37 R	30	10.352	19.937	1.736	es	-	-	13 +	754.09	13 +	774.02
247	1,337,097,343	436,968,869	13 +	800,886	303	2 9	37.214	32	36	30 L	30	8.775	17.074	1.257	ES	_	-	13 +	792.11	13 +	809.18
					270	25 42	34.903									_	_	13 +	825.76	13 +	844.25
248	1,337,097,082	437,003.771	13 +	835.312	005	45 2	27.425		19	14 R	30	9,551	18.494	1.484	ES			13 +	QZ3.70	1.0. *	(342, 2.4
249	1,337,081,059	437,026.028	13 +	862,128	305	40 Z	27.425		14	6 L	25	11,987	22.355	2.725	ES	-		13 +	850.14	13 +	872.50
250	1,337,087.018	437,047.535	13 + 1			30 48	22.317		45	59 R	30	5,497	10.873	0.499	ES	-	-	13 +	877.33	13 +	888.20
251	1,337,085,244	437,066,732	13 + 1	901.985		16 47	19.279		26_	12 R	25	2.724	5,427	0.148	ES_		_	13 +	899.26	13 +	904.69
	1				287	43 1	16.933											_			
252	1,337,080,091	437,082.862	13 + !	918.896				93	8	6 L	12	12.675	19,506	5,455	E\$	-	-	13 +	906.22	13 +	925.73
253	1,337,097.600	437,087.417	13 +	931.144	194_	34 57	18.092	33	47	23 R	15	4.556	8.846	0.677	ES	8	30	13 +	926.59	13 +	935,43
254	1,337,108,038	437,099.162	. 13 + 9		228	22 19	15.713	21 4	40	8 R	25	4.785	9,455	0.454	ES	-	_	13 +	941.81	<u> 13 + </u>	951.20
255	1,337,123.715	437,142,328			250	2 24	45.925	7 '	16	8 L	50	3,176	6.343	0.701	ES		_	13 +	989.23	13 +	995.57
						46 16	22.076							,		_		14 +	10.94	14 +	17.95
256	1,337,133,816	437,161.958	14 +	4.469				16	3	IU L	25	3.525	7.004	0.247	ES		1	144 -	10,94	144 -	

# A11-15

PI NO.	COORD	INATES	PI STATION	AZI	MUTH	DIST.		1		R	T	Lc	E	e(%)	W(m)	V(kph)	ρ	C	P	<del>)                                    </del>
	NORTHING																			
262	1 227 140 200	. 402 011 202	.14 + 00 007	226	43 9	67.814			en 0	40	77.004	00.22						20.01		
257	1,337,180,308	437,211.327	14 + 82.237	259	55 3	33,307	_33		57 R	40	11.924	_23.177	1.740	£8	-	-	14 +	70.31	14 +	93.4
258	1,337,186.139	437,244.120	···14 + 114.873					55	1 R	50	6.546	13.017	0.427	ES	-	-	14 +	108.33	14 +	121.
259	1,337,163,877	437,270.865	14 + 141.639	274	50 4	26.84	•	44	28 R	18	10.975	19,711	3,082	ĖS	8	30	14 +	130.66	14 +	150.
260	1,337,137.726	437,289,909	14 + 189.327		34 36	49.926	103	9	8 L	19	23.952	34,207	11.572	ES	_	_	14 +	165.38	14 +	199,
261				234	25 26	88.871														
701	1,337,189,430	437,362,192	14 + 264,501	1	34 36	46.983	-2	9	16 R	200	3,761	7.520	0.035	ES	<del>-</del>	-	14 +	260.74	14 +	268.
262	1,337,215,309	437,401,405	14 + 311.483	-			14	_1_	9 L	75	9.222	78.351	0.565	ES	-	-	14 +	302,26	14 +	320.
263	1,337,256.622	437,439,339	14 + 367.478		33 30	56.087	40	28	24 L	50	18,433	35,320	3.289	F,S	-	_	14 +	349.05	14 +	384
264	1,337,312.539	437,441,376	14 + 421,886		5 11	55,954	96	19	23 R	23	25.689	38.667	11,481	ES	8	30	14 +	396.20	14 +	434.
				278	24 31	66.552														
265	1,337,302,807	437,507,213	14 + 475,726	1	0 47	49.953	53	23	43 l.	45	22.630	41.937	5.370	ES	-	-	14 +	453,10	14 +	495.
266	1,337,338.121	437,542.543	14 + 522.355				33	59	2 R	35	10,695	20.760	1,598	ES		-	14 +	511.66	14 +	532.
267	1,337,347.108	437,588.767	14 + 568.814	258	59 52	47.09	54	8	31 L	27	13,799	25.514	3.322	ES	-	-	14 +	555.02	14+	580.
268	1,337,394.173	437,610.568	14 + 618,598	204	51 15	51.869	60	59	42 R	20	11.780	21.291	3.211	E'S	-	_	14 +	606.82	14 +	628
000	1 002 000 064			265	51 1	28.799												j		
269	1,337,396,257	437,639,291	<u>14 + 645.129</u>	275	19 44	43.457	9	28	41 R	50	4.145	8.271	0.172	ES	-	-	14 +	640.98	14 +	649.2
270	1,337,392.221	··· 437,682.560	14 + 688.567				83	27	35 L	17	15.162	24.763	5.779	ES	-	-	14 +	673.41	14 +	698.1
271	1,337,423,425	437,689.117	14 + 714.891	191	52 2	31.885	13	51	44 R	50	6.078	12.097	0.368	es	-	-	14 +	708.81	14 +	720.9
272	1,337,536.913	437,743,809			43 49	125.979	96	0	41 R	45	49.988	75.407	22.259	ES	_	_	14 +	790.82	14 +	_866.2
273	1,337,504,526	437,796,162			44 31	61,561					8,826		1.096		_		14 +			
				273	26 11	59,912	28	18	19 L	35	0,020	17,291	1.095	ES	_		14 +	868.98	14 +	886.2
274	1,337,500,935	437,855,966	14 + 937,355	201	0 00	100 151	72	25	43 <u>L</u>	18	13,181	22.754	4,310	ES	-	-	14 +	924.17	14 +	946.9
275	1,337,597.230	437,892,945	15 + 36.898	201	0 28	103,151	70	20	38 R	25	17.617	30.693	5,584	ES	8	_30	15 +	19.28	15 +	49.9
276	1,337,593,428	438,054.059		271	21 7	161.159	11	40	7 [	200	20.698	41,249	1.068	ES		_	15 +	172.82	15 +	214.0

R-1(Gra	and Etang)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	or occirc								ES:Exist	ng Super	alevation				
PI NO.		INATES	PI STATION	AZIMUTH	DIST.	1	R	T	Lc	Ē	e(%)	W(m)	V(kph)	PC	>	PI	ſ :
11110	NORTHING		1														
				259 32 4	55.582												~ ~ ~ ~ ~ ~
277	1,337,603.524	438,108,716	15 + 243,951			17 6 37	10	15,043	29.863	1.125	ES		-	15 +	233.91	15 +	263.77
				242 25 30	38.847				35,145	1.564	ES	_	_	15 +	269.81	15 +	304.96
278	1,337,621.504	438,143,145	15 + 287.568	7	60 F.C	20 8 11	R 10	17.733	33.143	1,304	<u> </u>	-			¥. 4. 17. 19		
279	1,337,633.489	438,234,926	15 + 379.762	262 33 37	92.56	37 37 4	ย เ   11	37,466	72,221	6.205	ES			15 +	342.30	15 +	414.52
213	1,357,000.400	-00,000.000		224 56 36	67.852							ļ					**7.00
280	1,337,681,515	438,282,857	15 + 444.903			9 56 0	9 8 2	2.173	4.334	0.094	ES	<del></del>		15 +	442.73	15 +	447.06
				234 52 34	105,775	47 23 23	ر ای	19,749	37,220	4.143	ES	l _	i - I	15 +	530.92	15 +	568.14
281	1,337,742.372	438,369,371	15 + 550.667	7	70.723		7 - 4	19,749	37.22.0								
282	1.337.727.347	438,438,480	15 + 619,112	282 15 57	70.723	3 36 4	R 20	6.287	12,570	0.099	ES			15_+	612.82	15 +	625.40
707	1,337,727.047	3,7,00.30		285 52 1	58,953							-	l i		224 44		ene 27
283	1,337,711.229	438,495,187	15 + 678,061			26 57 43	3 R 7	5 17,980	35,293	2.125	ES_	<del>  -</del>		15 +	660,08	15 +	093,37
				312 49 43	107.651	11 27 59	) R 20	20.080	40.025	1.005	ES	_	-	15 +	764.97	15 +	804.99
284	1,337,638,047	438,574,137	15 + 785,046	324 17 43	172.241	11 21 33	, K 20	20.000	-0.02.0								
285	1,337,498,181	438,674.658	15 + 957.153		172.12-71	2 16 55	S R 20	3.983	7.965	0.040	ES		<u>-                                    </u>	15 +	953,17	15 +	961.13
	1,00,1,00,1			326 34 38	68.844				}			1		-0.		16 +	32.73
286	1,337,440,722	438,712,578	16 + 25.996	2		3 51 39	) R 20	6,741	13,477	0.114	ES	<del>-</del>	-	16 +	19.25	16 +	37.13
				330 26 15	46,822	3 12 12	. L 20	5.592	11.782	0.078	ES	_	_	16 +	67.22	15_+_	78.40
287	1,337,399,995	438,735,679	16 + 72.813	327 14 7	53,382	3 12 12		0,032	7,11700	V.V.V.							
288	1,337,355,106	438,764,569	16 + 126.192		00,002	29 59 34	R B	5 22,770	44,495	2.997	ES_	-		16 +	103.42	16 +	147.92
				357 13 38	104.414		į							•6 (	25	16 +	234,34
289	1,337,250,814	438,769.620	16 + 229,561	4		10 59 11	5	0 4.808	9.587	0.231	ES	-	-	16 +	224.75	16 -	204,04
				346 14 29	36.29	16 47 0	) R   5	7,376	14.646	0,541	ES	_		16 +	258.45	16 +	273.09
290	1,337,215.565	438,778.251	16 + 265.822	3 1 26	47.087	10 -11		7.01.0	1 110 12								
291	1,337,168,544	438,775,767	16 + 312,803		47.007	12 4 32	չ լ 7	5 7.933	15.807	0.418	ES		-	16 +	304.87	16_+	320.68
				350 56 57	42.908		_	_					_	16.4	222 54	16 +	376.51
292	1,337,126,170	438,782,517	16 + 355.652	24		32 47 36	5 R   7	5 22.069	42.926	3.180	ES	<del></del>	-	16 +	333.58	10 🕶	370.37
1				23 44 32	63.948	   19   15   14	و ا ا ب	5 12.722	25.203	1.071	ES	-	-	16+	405.67	16.+	430.87
293	1,337,067,634	438,756,770	16 + 418,385	4 29 17	95.536			12.022	1000								
294	1,336,972,391	438,749,294	16 + 513.685		30.000	29 11 36	3 1 7	5 19.532	38.215	2,502	ES	-	<del> </del>	16 +	494,15	16 +	532.37
	.,,500,00			335 17 40	50,582		}	_i						15.4	550 05	16 +	567.87
295	1,336,926,439	438,770.435	16 + 563,418	7		5 6 6	5 L 10	0 4,455	8.904	0.099	<u>£8_</u>	<del>-</del>	<del>  -</del>	16 +	558,96	10 *	307.67
		400 705 555	10 614666	330 11 34	50.678	41 52 26	,   ,	19,130	36 542	3.535	ES		_	16_+	594,96	16 +	631.50
296	1,336,882,466	438,795.626	16 + 614.090	ű .	l.	-1 VE C		79,100	U.U.Y TE	V.000							

	and Etang)				1						-				ES:Exist				^	_	<del>, -</del>
PI NO.			PI ST	ATION	IAZIN	MUTH	DIST.	[	i		R	Т	Lc	E	e(%)	W(m)	V(kph)	Р	ر ا	_	T
	NORTHING	EASTING		-	<del> </del>																
297	1,336,870,907	438,830,539	16+	649,149	288	19 7	36.777	8	40	8 L	so	3.790	7.565	0.143	ES	-	-	16 +	645.36	16 +	6
7.31	1,330,070.307	400,000.000	- (V	V-10,7-10	279	39 1	120.947	·												_	
298	1,336,850.632	438,949,774	16 →	770.081	7			4_	21	11 R	400	15.202	30,390	0.289	E\$_	<u>-</u>		16+	754.88	16+	
299	1,336,826,314	439,047,286	16+	870.566		0 11	100.499	3	54	12 R	400	13.630	27.250	0.232	ES			16_+	856.94	16+	. 8
200	1 000 747 001	439,292,560	17	128.315		54 24	257.76		21	29 R	65	20.718	40.112	3,222	ES	_	_	17 +	107.60	17 +	1
300	1,336,747,061	439,292,390	1/ -	120.3(3	T .	15 50	85.01	-90	6.1	7.5 1	- 03	2,0,0,10	40.112					-			
301	1,336,678,934	~ 439,343,407	17 +	212.002	7	'	82.216		46	4 R	55	34.213	61.213	9.773	ES	-	-	17 +	177,79	17.+	
EOP	1,336,605,700	439,306.040	17 +	287.004		1 57	62.210					0.000	0.000	0.000	ES		-	17 +	287.60	17 +	_
302	1,336,577.783	439,291.796	17 +	318.345		1 55	31.341	97	56	30_L	16	18.387	27,350	8.374	ES	8	30	17 +	299.96	17 +	
					289	5 24	46.47			47 0	50	3.539	7.065	0.125	E\$	_		17 +	351.85	17 +	
303	1,336,562.585	·· 439,335,710	17+	355.392	1	11 14	52.876		5	47 R	30	3,339	7.005	V. 123	<u> </u>				3.91.00	<u> </u>	
304	1,336,538,426	439,382.744	17 +	408.256	-			51	29	26 R	35	16.878	31.454	3.857	ÉS	-	-	17 +	391.38	17 +	
305	1,336,480.373	439,394,368	17 +	465,158		40 38	59.205		4	26 L	50	15.800	30,608	2.437	ES	<u>-</u>	_	17 +	449.36	17 +	
206	1 225 445 640	439,430.446	12.5	£10.000		36 13	49.823	15	12	17 R	50	6,674	13.269	0.443	ÉS	_	_	17 +	507,31	17 +	
306	1,336,446.012	433,430,440	1/-	513,988	1	48 30	59.872	1,7	14	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>											
307	1,336,394.795	439,461.454	17 +	573.781	1	10 2-	160.001	51	29	59 L	55	26.529	49.436	6,064	ES	-	-	17 +	547.25	17 +	_
308	1,336,374,030	439,623,359	17 +	733,391		18 31	163.231	_6_	10	43 R	55	2.968	5,931	0,080	ES	_		17 +	730,42	17 +	
309	1,336,367,187	439,651,891	17 +	762,726		29 13	29.341	4	1	20 L	55	1.931	3.861	0.034	ES	-		17 +	760.80	17 +	
					279	27 54	51,518				c e	2,272	4.542	0.047	ES			17 +	811.97	17 +	. (
310	1,336,358.715	439,702.708	17 +	814,243	1	43 57	57.645	4	43	55 <u>L</u>	55	4.272	4.34/		_ <u></u>			14.3	011.97		
311	1,336,353,959	439,760,156	17 +	871.885				13	32	54 L	55	6.533	13,005	0,387	ES	-		17_+	865.35	17 +	
312	1,336,366,562	439,841,424	17 +	954,063	261	11 5	82.239	12	30_	12 R	150	16.432	32,734	0.897	ES	-		17 +	937.63	17 +	
313	1,336,361.823	439,914,928	18 +	27.590		41 20	73.657	0	55	49 R	150	13.031	25.997	0.565	ES	_	_	18 +	14.56	18 +	
313	1,000,001,020	400,0 (4,020	10 4	21.590	283	37 7	59.65	3	-	~ <u>~</u>											
314	1,336,347.778	439,972,901	18 +				0.4.7.40.4	3	7	44 R	150	4.097	8,191	0.056	ES	-		18 +	83.08	18 +	
315	1,336,285.186	440,180.906	- 18 +	304.391	286	44 51	217.218	88	2	13 R	20	19.326	30,731	7.812	ES			18 +	285.06	18 +	_;

R-1(Gra	nd Etang)	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	OF GOORI					-						ES:Exist	ing Super	relevation				<u></u>
PI NO.	COORD	INATES	PI STATION	IAZ	MUT	H DIST.		1		R	T	Lc	E	e(%)	W(m)	V(kph)	Р	C	P	7
	NORTHING						ļ								<u> </u>					
		•			47	4 92.201					00.50.	57.056	4 710	ES			18 +	359,15	18 +	416.2
316	1,336,196,038	440,157,378	18 + 388,679	7	22 /	2 72,493		19	23 L	90	29.524	57,056	4.719	60			10.3	, r.y		-19.2
317	1,336,128.607	440,183.992	18 + 459,17		27 4	12,490		56	47 R	30	13.972	26.152	3.094	ES		-	18 +	445.20	18 +	471.3
				_	24	8 60.747		20	00.1		02 180	26.524	14.726	ES	8	30	18 +	494.25	18 +	520.7
318	1,336,075.175	440,155.092	18 + 518.12	-	46	2 89.003	126	38	26 L	12	23.880	20.524	14.720	EO		-30	10			
319	1,336,087,920	440,243,178	18 + 585.89		~0	2 65.000	4	35	8 L	100	9.264	18,475	0.428	ES		-	18 +	576.63	18 +	595.1
				_	10 5	5 181.793			ca .	4.0	26.963	47,449	8.239	ES	_	_	18 +	740.67	18 +	788.1
320	1,336,146.560	440,415.254	18 + 767.63	319	8 :	83.772	6/	37	57 R	40	20.303	47.449	6.238	60			-10	740.07		
321	1,336,083.195	440,470.050	18 + 844.92			2 00.772	16	17	45 L_	150	21.476	42,662	1.530	ES 1	-		18 +	823.45	18 +	866.1
			10 / 5100		51	6 209.591	22	52	50 1	25	7 67 5	14.783	1.134	ES	_	_	19 +	46.61	19 +	61.4
322	1,335,969,499	440,646,123	19 + 54.22	٦ .	58 1	8 37,448		υ <u>ς</u>	<u> </u>	2.0	7.010	14,700	7. (3.4							
323	1,335,970.171	440,683.565	19 + 91,23					42	25 L	35	9.610	18.758	1.295	ES	-		19+	81.62	19 +	100.3
324	1,336,010.365	440,748.553	19 + 167.18		15 5	0 76.413		51	27 R	35	23.545	41,452	7,182	ES	-	_	19 +	143,64	19 +	185.0
324	7,330,010,303	440,140.000	13 107.10	7	7 1	8 76.219														
325	1,335,965,434	440,810,120	19 + 237.76	٦.			30	16	38_L	60	16.233	31.706	2.157	<u>es</u>	-	-	19 +	221.53	19+	253.2
326	1,335,937,109	441,086.842	19 + 515,17		50 4	0 278.168	33	10	48 L	60	17.875	34.746	2.606	ES_	-	-	19 +	497.30	19 +	532.0
				7	39 5	2 81.557	•													2-06
327	1,335,974,560	441,159,292	19 + 595,72				43	2	48_R	50	19.719	37.565	3.748	ES	-	-	19+	576.00	19 +	613.5
328	1,335,948.099	441,253,362	19 + 691.572		42 3	9 97.721	12_	21	38 R	150	16.243	32.360	0.877	···ES		-	19 +	675.33	19 +	707.6
-				298	4 7	7 57.209												740.00	30 +	7527
329	1,335,921.178	441,303.841	19 + 748.65	7		5 97.959	4	1	28 R	150	5.270	10.536	0.093	ES	-		19_+	743.38	19+	753.9
330	1,335,869.129	441,386.828	19 + 846.610	302	5 4	37,959	4	23	4 L	100	3.828	7.652	0.073	ES		-	19 +	842.78	19 +	850,4
					42 4	3 50.07									1			00.00	10 4	909.1
331	1,335,845,845	441,431.155	19 + 896,676	312	7 2	6 71.295		24	44 R	100	12.644	25.154	0.796	ES	-		19 +	884.03	19 +	509.1
332	1,335,798,025	441,484.034	19 + 967.83			71.293		21	7 R	100	10.821	21.558	0.584	ES		-	19 +	957.02	19+	978.5
				-	28 3	2 112,139	4	20	EE ,	,,,,,	94040	47.700	1.645	ES	_		20 +	55.84	20 +	103.6
333	1,335,706,759	441,549,192	20 + 79,893	7	49 3	8 95,615	13	38	55 L	175	24.048	47,796	1,043	EO	<del>-</del>		€v +	J.J.04		100.0
334	1,335,646.811	441,623,680	20 + 175.208			30.3.3	34	48	17 R	85	26.641	51.634	4,077	ES	•	-	20 +	148.57	20 +	200.2
					37 5	6 86.178	ac	ev.	16	,,,	90 995	60 640	5000	e e	_	_	20 ∸	227.40	20 +	289.9
335	1,335,564.126	441,647,965	20 + 259,738	ل		1	35	50	15 Լ	100	32.335	62.548	5.098	ES		i <b>-</b>	20 +	227.40	20 +	<u></u>

R-1(Gra	ind Etang)									ES:Exist	ing Super	elevation		
PI NO.	COORDINATES	PI STATIC	NAZIMUTH	DIST.	1	R	Т	Lc	Ε	e(%)	W(m)	V(kph)	PC	PT
	NORTHING EAST	VG .				ļ					<u> </u>			
		00 007	307 47 41	70.251	22 51 41 1	50	10.565	20.823	1.104	FS		_	20 + 317.30	20 + 338.12
336	1,335,521,074 441,70	3,478 20 + 327.8	283 56	21.443	23 01 4	<del>  "</del>	70.000	20.020						
FOR	1 335 515 910 441 72	4.290 20 + 349.0			1		0.000	0.000	0.000	ES_			20 + 349.00	20 + 349.00

R-1(Gra	and Etang)													ing Super					<u></u>
PI NO.	COORD NORTHING		PI ST	ATION	AZIMUTH	DIST.		I	R	٢	Lc	E	e(%)	W(m)	V(kph)	P	) 	P	
										0.000	0,000	0.000	ES_	_	_	0 +	0.00	0_+	0.0
BOP	1,332,842,260	427,848,010	0+	0.000	1 48 32	6.716								_	_	0 -	6.71	0 -	G.7
-1	1,332,835.547	427,847.798	0 -	6.714	40 12 30	49.138				0.000		0.000	ES						
-2	1,332,798.020	427,816.076	0 -	55.852	88 31 2	55.49		31 R	40	17,938	33.726	3,838	ES	-	-	0	37.91	<u>0</u>	
-3	1,332,796,584	427,760.605	0 -	109,191			36	1 58 L	50	16,262	31,445	2.578	ES	8	30	0 -	92.93	0 -	124.3
-4	1,332,763.473	427,717,477	0 -	162.484	7		26_4	3 7 R	50	11,874	23.316	1.391	ES	-	-	0 -	150.61	0 -	173.9
-5	1,332,757,814	427,687.806	0	192.258	79 12 7		14	) 16 R	50	6,141	12.221	0.376	ES			0 -	186.12	0 -	198.3
-6	1,332,760.412	427,641.443	0 -	238,633	93 12 26	46.436		5 29 R	85	15.326	30,325	1.371	ES	-	-	0 -	223.31	0 -	253,6
-7	1,332,772,037	427,614,897	0 -	267.287	113 38 58	28.98		5 56 L	50	6.183	12.304	0.381	ES		-	0 -	261.10	0 -	273.4
-8	1,332,782.482	427,552,808	0 -	330.186	99 32 57	62.961	44	3 54 L_	75	30.351	57,681	5,909	ES.	-	_	0 -	299.83	٥ -	357.
-9	1,332,712.120	427,450.489	0 -	451,341	55 29 5	124,177		5 52 R	200	16,791	33,503	0.704	£\$		-	0 -	434.55	0 -	468.0
				512.814	65 4 55	61.552		36 L	200	5.342	10,681	0.071	ES	_	-	0 -	507.47	<u> </u>	518,3
-10	1,332,686,187	427,394,667			62 1 21	67.253		27_R		23.753		2.782	ES_	_	_	0 -	556.31	0 -	602.
~11	1,332,654.637	427,335.274	0 -	580.064	88 44 46	89. <b>5</b> 59										0 -	653.56	0 -	679.
-12	1,332,652,677	427,245,736	0 -	668.759	163 12 37	63,106		7 48 R	20	15.198	25,993	5,119		-					
-13	1,332,713.093	427,227.507	0 -	727,461				5 30 L	25	6.955	13.566	0.949	ES	-	-		720.51	0 -	734.0
-14	1,332,734,392	427,203.950	0 -	758,876			29 3	5 51 <u>t</u>	50	13,209	25,829	1.715	ES	-	-	0 -	745,67	<u> </u>	771.5
<b>~</b> 15	1,332,746.475	427,149.540	0 -	814.022			15 2	3 45 L	50	6.795	13.508	0.460	ES		-	0 -	807.23	0 -	820.
~16_	1,332,744,597	427,113,221	0_	850,307	1		14 5	5 45 L	25	3.276	6,514	0.214	ES	-	-	0 -	847.03	0 -	853.
<b>-17</b>	1,332,727,462	427,060,132	0 -	906,056	72 6 43	55.786		6 20 R	75	18.426	36,136	2.230	ES	-	-	0 -	887.63	0 -	923.
-18	1,332,747,435	426,943,502	- 1-	23,668	99 43 4	118.328		3 <u>26 L</u>	125	33,951	66.302	4.529	<u>ES</u>		-	<u>o -</u>	989.72	- 1 -	56.0
-19	1,332,722.193	426,876,606	F	:	69 19 37	71,5	8 5	1 4 R	125	9.674	19,310	0.374	ES	-	_	- 1 =	83,89	- 1 -	103.2
					78 10 40	26.03		) 19 L	125	9.112	18,192	0.332	£\$	_		- 1 -	110.45	- 1 <u>-</u>	128.6
-20	1,332,716.860	426,851,128			69 50 21	91.883							ES	_	_	- 1 -	180.51		239.2
-21	1.332,685,192	426,764.875	- 1 -	211.411	_	l	43 4	4 0 R	77	30,902	58,773	5.969	. c.o				.00.3		*****

R-1(Gra	ind Etang)	TABLE C									ES:Exist	ing Super	elevation		
PI NO.		INATES	PI STATION	AZIMUTH	DIST.	1	R	T	Lc	E	e(%)	W(m)	V(kph)	PC	PT
	NORTHING	EASTING		ļ											
				113 34 21	87.178	ł	75	00.704	56.560	5,690	ES	_	_	- 1 - 265.80	- 1 - 322.46
-72	1,332,720.055	426,684,972	- 1 - 295.559	70 16 52	95.764	43 17 29 L	/5	29.764	56.668	5.090	_ ES		-		
EOD	1 332 687 744	426 594 824	- 1 - 388.464				!	0.000	0,000	0.000	ES		- 1	<u>- 1 - 388.46</u>	- 1 - 388.46

		porary Bench Mark (		· · · · · · · · · · · · · · · · · · ·
No.	Elevation	Coordi		Remarks
		<u>North</u>	East	
1	46.12	1,333,591.080	428,347.150	
2	53.45	1,333,880,680	428,351.710	
3	59.17	1,333,985.110	428,414.830	
4	61.59	1,334,022.030	428,465.500	
5	74.74	1,334,158.020	428,546.780	
6	89.32	1,334,253.361	428,648.740	
7	99.35	1,334,323.067	428,795.284	
8	102.91	1,334,390.202	428,908.158	
9	116.94	1,334,568.720	429,085.512	
10	114.33	1,334,671.675	429,188.642	
11	116.68	1,334,765.049	429,240.664	
12	160.12	1,335,013.295	429,548.152	
13	173.94	1,335,024.891	429,724.308	
14	178.90	1,335,013.518	429,782.815	
15	185.91	1,335,009.899	429,865.865	
16		1,334,978.694	429,943.924	
17		1,334,989.400	430,021.828	
18		1,334,945.894	430,124.887	
19		1,334,880.881	430,198.738	
20		1,334,883.918	430,256.676	
21	221.97		430,288.916	
22			430,307.853	
23			430,344.103	
24	239.10	1,334,868.060	430,358.503	•
25		1,334,840.365	430,400.116	
26	I	1,334,838.807	430,454.749	
27	252.16	1,334,784.227	430,523.399	
28		1,334,806.824	430,572.863	
29		1,334,839.741	430,611.514	
30		1,334,793.823	430,701.559	
31	272.56	1,334,807.894	430,769.243	
32		1,334,758.239	430,844.557	
33		1,334,758.239	430,844.557	,
34			430,944.557	
35			431,011.902	
36		1,334,871.426	431,075.376	
37		1,334,897.489	431,155.209	
38	1	1,334,833.607	431,196.781	•
39		1,334,823.920	431,238.583	
40	1	1,334,823.920	431,302.951	
41	303.39	1,334,799.602	431,313.941	
42		1,334,731.323	431,316.372	
43	9	1,334,701.232	431,374.684	1
44	1	1,334,705.606	431,493.363	
45		1,334,684.051	431,530.662	
46		1,334,676.406	431,590.035	
47		1,334,642.471	431,623.098	
48		1,334,578.181	431,665.613	
49		1,334,553.945	431,719.918	
50	354.31	1,334,420.491	431,809.504	

Table	Location of	Temporary	Bench N	lark (	Road No.	1 Grand	Etang I	Road ∼	- 2)

		porary Bench Mark ( I		
No.	Elevation	Coordin		Remarks
		North	<u>East</u>	
51	367.18	1,334,357.707	431,877.703	
52	386.66	1,334,353.343	432,003.343	
53	396.61	1,334,350.115	432,122.290	
54	401.69	1,334,391.059	432,169.419	
55	411.13	1,334,397.639	432,249,377	
56	419.38	1,334,348.468	432,249.778	
57	422.32	1,334,327,608	432,255.162	
58	432.37	1,334,346.513	432,319.757	
59	445.45	1,334,377.663	432,393,685	
60	446.68	1,334,394.886	432,383.465	
61	450.65	1,334,403.804	432,343.699	Į.
62	459.11	1,334,468.720	432,343.286	
63	467.38		432,338.523	
64	475.10	1,334,521.988	432,386.390	
65	484.16	1,334,570.404	432,423.798	
66		1,334,625.875	432,433.074	
67	495.96		432,449.325	i
			432,504.960	
68			432,532.656	
69			-	
70			432,526.681	
71	525.14		432,579.513	
72		•	432,605.833	ļ
73			432,634.770	
74			432,655.930	
75			432,671.832	
76		1,334,913.094	432,703.873	
77		\$ I	432,756.480	
78	1		432,840.506	
79		1,334,996.973	432,841.833	
80			432,831.966	
81	1	T .	432,872.505	
82			432,958.478	
83			433,022.867	
84			433,083.064	
85	5		433,158.517	
86	,		433,209.912	}
87			433,231.649	ľ
88	E.		433,310.570	
89		1	433,360.040	
90			433,422,580	
91			433,459.030	
92	524.50	1,335,407.010	<b>.</b>	1
93	520.51	1,335,356.760	433,587.080	
94	513.81	1,335,362.650	433,655.960	
95			433,711.540	1
96			433,775.760	1
9	1		433,836,820	
98		1	433,939.350	
99			433,939.350	t .
100	1	•	434,094.540	1

		orary Bench Mark ( f		
No.	Elevation	Coordin		Remarks
		North	East	
101	486.31	1,335,473.531	434,197.691	
102	480.92	1,335,539.068	434,244.453	
103	476.49	1,335,495.257	434,275.911	
104	471.91	1,335,530.139	434,328.702	
105	466.32	1,335,589.236	434,316.687	
106	461.25	1,335,579.148	434,357.268	
107	453.40	1,335,630.839	434,411.503	
108	453.16	1,335,656.950	434,469.811	
109	453.35	1,335,646.751	434,514.107	
110	452.98	1,335,673.012	434,574.012	
111	446.60	1,335,680.463	434,665.339	
112	440.98	1,335,710.608	434,699.535	
113	425.06	1,335,780.052	434,810.275	
114	417.59	1,335,722.839	434,873.566	
115	411.63	1,335,724.984	434,928.049	
116	408.11	1,335,729.746	434,966.190	
117	405.67	1,335,702.068	434,989.668	
118	403.66	1,335,702.457	435,023.007	
119	399.48	1,335,663.046	435,037,538	
120	396.19	1,335,675.035	435,064,035	
121	389.84	1,335,742.089	435,089.212	
122	384.98	1,335,794.767	435,114,467	
123	381.06	1,335,831.213	435,145,005	
124	369.64	1,335,896.685	435,189,468	
125	365.15	1,335,876.265	435,238,265	•
126	357.81	1,335,846.360	435,277.808	1
127	351.23	1,335,829.651	435,324.671	1
128	345.22	1,335,767.202	435,308.470	
129	336.86	1,335,790.541	435,357.105	
130	330.95	1,335,825.429	435,395.150	
131	320.07	1,335,839.457	435,475.667	
132	314.86	1,335,816.130	435,509.760	·
133	311.14	1,335,838.100	435,475.667	
134	306.10	1,335,836.800	435,579.984	
135	, I	1,335,895.241	435,583.977	1
136		1,335,910.735	435,601.484	
137		1,335,912.033	435,627.960	
138		1,335,970.487	435,648.201	
139	279.11	1,336,055.780	435,670.860	1
140		1,336,103.022	435,714.509	1
141		1,336,168.632	435,729.196	
142	4.4	1,336,214.164	435,784.210	
143	255.63	1,336,236.627	435,814.901	1
144	252.09	1,336,278.034		
145	245.96	1,336,310,370		
146	1 .	1,336,376.484	435,909.960	
147	1	1,336,409.632		•
148	1 .	1,336,390,040		
149		1,336,418.527		
150		1,336,424.326	1	

Table Location of Temporary Bench Mark (Road No. 1 Grand Etang Road - 4)

Table Loc		porary Bench Mark (		ng Road - 4)
No.	Elevation	Coordi		Remarks
		North	East	
151	207.83	1,336,412.581	436,204.042	
152	203.62	1,336,441.769	436,249.969	
153	201.04	1,336,404.662	436,272.461	
154	198.43	1,336,364.328	436,277.135	
155	194.57	1,336,358.312	436,317.312	
156	191.83	1,336,392.150	436,353.271	
157	189.76	1,336,371.062	436,377.061	
158	178.90	1,336,440.565	436,402,565	
159	173.05	1,336,484.427	436,380.756	
160	162.58	1,336,581.534	436,374.901	
161	159.94	1,336,613.154	436,418.580	
162	161.78	1,336,633.092	436,418.604	
163	158.97	1,336,677.860	436,478.860	
164	156.63	1,336,718.340	436,534,317	
165	155.24	1,336,806.675	436,660.675	
166	154.10	1,336,863.515	436,664.042	
167	154.88	1,336,904.478	436,635.778	
168	155.36	1,336,957.730	436,656.946	ì
169	156.00	1,337,001.033	436,685.885	
170	157.17	1,337,076.690	436,749.960	
171	158.22	1,337,118.357	436,819,029	
172	157.87	1,337,119.736	436,889.597	
173	157.67	1,337,110.338	436,954.451	
174	157.17	1,337,093.955	436,995.466	
175		1,337,090.386	437,046.675	
176	155.73	1,337,090.158	437,080.290	
177	154.92	1,337,116.932	437,116.008	
178			437,166.054	
179	1		437,220.733	,
180	•		437,274.428	
181	151.68			
182				
183			437,438.997	
184		•		
185			437,449.865	
186	1	E .		
187	1	t ' '		
188			437,598.426	
189			437,629.227	:
190			· ·	
191	3			i
192	1	• ' '		
193		1		
194	1	•	4	
195			-	
196			1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
197		1 '	438,147.546	
198			438,231.563	
199	1	1		
200	96.78	1,337,741.850	438,375.313	<u>L</u>

Table Loc	ation of Temp	porary Bench Mark ( I	Road No. 1 Grand Eta	ng Road - 5)
No.	Elevation	Coordin		Remarks
<u> </u>		North	East	
201	91.77	1,337,709.855	438,498.239	ì
202	82.46	1,337,550.352	438,640.775	
203	79.19	1,337,451.276	438,701.334	
204	76.61	1,337,415.611	438,722.769	
205	77.57	1,337,367.994	438,762 244	
206	78.55	1,337,240.831	438,769.250	
207	80.27	1,337,132.461	438,783.555	
208	. ,	1,337,044.886	438,752 007	
209		1,336,963.014	438,751.034	
210		1,336,881.100	438,798,953	
211	77.67	1,336,867.430	438,836.020	
212		1,336,859.909	438,913.114	·
213		1,336,840.586	439,003.986	
214		1,336,809.908	439,109.393	
215		1,336,776.079	439,212.200	
216		1,336,740.536	439,298.402	Ì
217		1,336,674.638	439,337.367	
218		1,336,583.798	432,293.928	
219		1,336,557.552	439,340.915	
220			439,380.988	
220		1,336,538.427	439,388,974	
222		1,336,487.837		
			439,472,929	
223		1,336,383.212	439,568.821	
224			439,648.294	
225		1,336,352.631	439,743.455	
226			439,826.346	
227			439,950.941	
228			440,035.722	
229		1,336,307.813	440,119.736	
230		1,336,282.517	440,179.070	
231	r .	1,336,185.991	440,159.970	
232			440,183.696	
233		, ,	440,160.123	
234		-	440,246.058	
235			440,357.470	
236			440,424.536	
237			440,471.733	
238		3	440,554.722	
239			440,644.770	
240			440,700.846	1
241			440,746.718	
242	4		440,802,900	
243	t		440,940.948	ļ ·
244			441,083.991	
245		1 7 7 T	441,169.905	
246			441,269.860	
247	•	1 ' '	441,349.206	
248	I .	• •	441,425.390	
249		· · ·		
250	0 13.47	1,335,774.647	441,493.885	

Table Location of Temporary Bench Mark (Road No. 1 Grand Etang Road - 6) Remarks Coordination Elevation No. North East 1,335,695.785 7.01 441,557.471 251 441,625.192 252 4.55 1,335,641.778 441,651.905 253 2.80 1,335,562.525 441,711.204 254 1.80 1,335,512.653

R−1(Gra	ind Etang)						ES:Exist	ing Super	elevation				<del></del>				<del></del>			
PI NO.	PI STATION	1	R	Ţ	Lc	E	e(%)	W(m)	V(kph)	P	C	₽.	T į	Topogapy	М	LCT	S	<u> </u>	Mt.	Judge
														Sight Ob.	LC1>=S	Inside Lane			LC1KS_	3.5
вор	0+ 0						ES	_	_								V=20Km/h			
		10 26 60 1	25	2,760	5,498	0.152	ES	_	_	0 +	10.23	0 +	15.73		4.508408	5.1 <del>6</del> 8	29.6	23.5	1.482407	ок
*	0 + 17,994	12 35 59 L				11		-	_				125.93		1.716931	40.535	29.6	63.5	1,491448	ок
2	0 + 105,922	^		21.481		3.457		-		0 +	84.44				2,034081	64,204	29.6		-0.42426	
3	0 + 230,573	68 45 32 R	_55	37,630	66,004	11.641	<u>ES</u>			0+_	192.94	0 +	258,95							i .
4	0 + 356.172	8 20 56 R	300	21.896	43,715	0.798	ES	-	-	0 +	334,28	0 +	377.99		0.366826	43.496	29.6	298.5	0.286135	OK
5	0 + 416,037	59 48 51 L	55	31,635	57,417	8.449	ES		-	0+	384.40	0 +	441.82		2.034081	55.852	29.6	53.5	0.579878	ок
6	0 + 499.097	53 53 8 L	60	30,496	56.429	7.305	ES_		-	0 +	468.60	0+	525.03		1.862173	55.018	29.6	58,5	0.591144	ок
7	0 + 664 200	40 34 44 R	100	36 970	70.824	6,615	ES	_	_	0 +	627.24	0 +	698,06		1,109788	69,761	29.6	98.5	-0.85156	OK
						1.085	ES	_		^ +	768,16	0.+	814.67		0.440594	46.228	29.6	248.5	0.301986	OK.
8	0 + 791.4831	10 39 31 R	230	23,321	46,507										4 - 2 - 2 - 2 - 2	18,419	29.6	00.5	0.952162	OY.
9	0 + 859.153	10 42 51 R	100	9.377	18.700	0.439	ES	-	-	0 +	849.78	0.+	868.48		1.109788	18.419	29.0			
10	0 + 973,369	19 8 44 L	100	16.865	33,415	1,412	ES		-	0 +	956.50	0 +	989.92		1,109788	32,914	29.6	98.5	1.096031	ок
11	1 + 31.771	9 9 O L	100	8,002	15.970	0.320	ES_	-	-	1 +	23.77	1 +	39.74	-	1.109788	15.730	29.6	98,5	0.86699A	OK
12	1 + 108,531	10 25 0 L	100	9.115	18.181	0.415	es	-	_	1 +	99.42	1 +	117.60	ļ <u>-</u>	1,109788	17,908	29.6	98.5	0.93738	ок
13	1 + 167 665	23 54 17 L	100	21.169	41,722	2.216	ÆS	_		1 +	146.50	1 +	188.22		1.109788	41.096	29.6	98.5	0.945088	ок
					16,647	0.347	ES	+	_	1 +	213.78	1 +	230.42		1,109788	16.397	29.6	98.5	0.889841	OK
14		9 32 17 R											270.68		1,109788	13.587	29.6	98.5	0.785947	οκ
15	1 + 263.798	7 54 12 L	100	6,908	13,794	0.238	ES	-	-		256.89							-		
16	1 + 370,223	44 15 37 R	105	42.700	81,711	8,350	ES	-	-	1 +	327.52	1 +	408,63		1.056362	79.952	29.6	103.5	-1.8594	<u>UK</u>
17	1 + 487.141	15 22 25 R	100	13.497	26.832	0.907	ES		-	1 +	473.64	1 +	500.48		1.109788	26,430	29.6	98.5	1,097156	OK
18	1 + 549.309	20 7 43 L	100	17,748	35,131	1.563	ES		-	1 +	531.56	1 +	566.69		1.109788	34.604	29,6	98.5	1.078454	ÓК
19	1 + 588.925	1 55 7 R	500	8,372	16.743	0.070	ÉS	<b></b>	_	1 +	580,55	1 +	597.30		0.219683	16,693	29.6	498.5	0,177918	οĶ
20		3 27 2 R				0.227	ES			1 +	638,58	1 +	668.69		0.219683	30.021	29.6	498.5	0.219638	<b>ОК</b>

R-1(Gra	and Etang)						ES:Exist	ing Super	elevation				,	T			
PI NO.	PI STATION	l	R	Υ	Lc	E	o(%)	W(m)	V(kph)	PÇ	PΤ	Topogapy M	LC1	\$	rī	Mit	Judge
						ļ						Sight Ob. LC1>=S	Inside Lene	V=30Km/h	nside R	LC1 <s< th=""><th>3.5</th></s<>	3.5
														V=20Km/h		-	<del> </del>
	1 + 715,816	9 18 34 R	100	8 142	16.248	0.331	ES	_		1 + 707,67	1 + 723,92	1,10978	8 16,004	29.6	98.5	0.876521	ок
21	1 - 713,810	9 10 344 10	1.00	0.142	. 0.2 -0	V.VV.							T			4 70 000	0.4
5.5	1 + 823.820	19 40 13 R	125	21.670	42.914	1.864	ES			1 + 802.15	1 + 845.06	0.88574	1 42.393	29.6	123.5	0.721923	OK
вор	1 + 899,995	0 0 0 0	0	0.000	0,000	0.000	ES		-	1 + 900.00	1 + 900.00	-2.8559	2 0,000	29.6	-1.5	0	ок
		47 0		13.863	07.551	0.956	ES	_	_	2 + 102.40	2 + 129.95	1,10978	8 27,138	29.6	98.5	1.102171	ОК
23	2 + 116,262	15 <u>47</u> 8 L	100	13.803	27.331	0.936	ĘŞ										04
24	2 + 400.344	2 11 25 L	500	9.558	19.114	0.091	ES	-	-	2 + 390,79	2 + 409.90	0,21969	3 19.056	29.6	498.5	0.191815	105
25	2 + 531.911	13 49 5 L	150	18.176	36.176	1.097	ES	-		2 + 513,74	2 + 549.91	0.73689	8 35.814	29.6	148,5	0.704607	ок
	2 + 621.368	4 28 41 R	100	3.910	7.816	0.076	£S	_	_	2 + 617.46	2 + 625.27	1,10978	8 7.698	29.6	98.5	0,503031	ÓК
26	X + 6X1.308	4 Z8 41 R	100	3.510	7,810	1								29.6	400 E	0.213502	Or.
27	2 + 680.965	2 49 53 R	500	12.357	24.709	0,153	ES	-	-	2 + 668.61	2 + 693.32	0.21968	3 24.634	29.6	490.0	V.2.100V2	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
28	2 + 759,383	66 59 38 R	25	16.545	29,232	4,979	ES	-		2 + 742,84	2 + 772.07	4,50840	8 27.478	29.6	23.5	4,488632	
29	2 + 826.432	89 44 58 L	23	22,900	36.028	9.456	ES	_	_	2 + 803.53	2 + 839.56	m 4.89595	4 33,678	29.6	21.5	4,825329	house widening
30		32 30 53 R	40	11,665	22,700	1.666	ES	_	_	2 + 877.42	2 + 900.12	2.80981	6 21.848	29.6	38.5	2.6 <b>24</b> 515	ок
							ÉS	_	_	2 + 927.00	2 + 960.52	3.21642	4 32.080	29.6	33.5	3.195929	ок
31	2 + 945.167	54 52 1 L	35	18,168	33,516	4.435	E8			2 - 37.7.00	2 300.02						
32	3 + 11.784	8 6 7 R	100	7.082	14.141	0.250	ES	<del>  -</del>		3 + 4.70	3 + 16,84	1,10974	8 13.925	29.6	98,5	0,799642	lok
33	3 + 52.848	111 48 33 R	13	19.204	25,369	10.191	ES	-		3 + 33.64	3 + 59.01	8,27949	6 22.442	29.6	11.5	8.017393	OK
34	3 + 93.802	4 46 16 L	500	20.830	41.636	0.434	ES		_	3 + 72.97	3 + 348,87	0.2196	3 41.511	29.6	498.5	0.184134	ок
			30		14,533	0.902	ES	_	_	3 + 169.01	3 + 183.55	m 3.75722	2 13,806	29.6	28.5	2.726	ok
35	3 + 1/6.427	27 45 19 L													20.5	0.901647	OK
36	3 + 209.498	8 7 53 R	100	7.108	14,192	0.252	ES	-	-	3 + 202.39	3 + 216.58	1,10978	8 13,979	29.6	98.5	0.801647	<del></del>
- 37	3 + 332.033	13 19 27 R	200	23,360	46,510	1,360	<u>es</u>		-	3 + 308.67	3 + 355.18	0.55148	2 46.161	29.6	198,5	0.379677	ОК
38	3 + 372.241	9 26 2 <b>2 L</b>	100	8.256	16,475	0.340	ES		-	3 + 363.98	3 + 380,46	1,10978	8 16.228	29,6	98.5	0.884144	OK
39	3 + 442.458		100		11.378	0.162	ES	_		3 + 436.76	3 + 448.14	1,10978	8 11.207	29.6	م د	0.682233	OK

	and Etang)		1	_						elevation		Ċ	P	7	Tonores	М	LØ1	s	r1	Mt	Judge
PI NO.	PI STATION		1 [	R	]	Lc	Ε	0(%)	W(m)	V(kph)	۲	C		,	Topogapy.					LQ1 <s< th=""><th>3.5</th></s<>	3.5
											•				Sight Ob.	LC1>=S	Inside Lane	V=20Km/h		2013	
40	3 + 479,787	32 49	46 R	75	22.095	42,974	3,187	ES _	-		3 +	457.69	3 +	500.67		1.48504	42,114	29,6	73,5	1,227581	OK
41	3 + 557.228				22.264	43,111	3.455	ES	_	-	3 +	534.96	3 +	578.08		1.592622	42.187	29.6	68.5	1.314608	ок
42	3 + 634,901			150	31.331	61.774	3.237	ES	-	-	3 +	603,57	3 +	665,34		0.736898	61.156	29.6	148.5	-0.08889	OK
43	3 + 685.033				10.010	19.954	0.500	ES	-		3 +	675.02	3 +	694.98		1.109788	19,655	29.6	98,5	0.985141	ок
44	3 + 765.068					14,773	0.551	ES	-	-	3 +	757.63	3 +	772.40		2.240676	14.329	29.6	48,5	1.652072	ок
45	3 + 825.757				17.002	33.681	1.435	ES	-	-	3 +	808.76	3 +	842.44		1.109788	33,176	29.5	98.5	1.093775	ок
46	3 + 864,957		2 5	50	9.109	18,021	0.823	ES	•	_	3 +	855,85	3 +	873.87		2.240676	17,480	20.6	48.5	1,871544	ок
ВОР	3 + 880,000		0_0_	0	0,000	0.000	0.000	ES	_	-	3 +	880.00	3 +	880.00		-2.85592	0.000	29.6	-1.5	٥	ок
47	3 + 890.288	17 50	56 L	25	3,926	7.788	0.306	ES_	_	-	3 +	886.36	3 +	894.15		4.508408	7,321	29.6	23.5	2.012606	ок
48	3 + 945,044			20	10,191	18.851	2.447	ËŜ		-	3 +	934,85	3 +	953.70		5.610926	17,437	29.6	18,5	4,777744	ок
49	3 + 980.656			100	8.947	17.847	0.399	ES	-	-	3 +	971.71	3 +	989,56		1.109788	17.580	29.6	98,5	0.927548	ок
50			30 R	17	18.587	28,219	8,189	ES	8	30	4 +	0.66	4 +	28.88	m	6.545024	25.729	29.6	15.5	6.457293	Widening
51			8 R	15	7.895	14.535	1,951	ÉŞ	8	30	4 +	39.09	4 +	53.63	m	7.331,934	13,081	29.6	13.5	5,400574	Widening
52			49 R	15	3,430	6.745	0.387	ES	-	-	4 +	67.27	4 +	74.02		7.331934	6.070	29.6	13.5	2,96261,8	ok
53	4 + 107,661	29 34	2 L	25	€,598	12,901	0.856	ÉS			4 +	101.06	4 +	113,96		4.508408	12.127	29.6	23.5	3,007211	ок
54	4 + 158.217			35			2.338	ES	•	-	4 +	145.21	4 +	170.11		3.216424	23.835	29.6	33,5	3.101481	ок
55	4 + 205.252				12.808		1.787	E\$	_	_	4 +	192.44	4 +	217.40		2.493508	24.125	29.6	43.5	2.411184	ок
56	4 + 238,567		14 R	20			1,991	ES	8	30	4 +	229.42	4 +	246.58		5.610926	15.866	29.6	18.5	4,530154	Widening
57	4 + 352.912		5 L		49.191	80,268		€S	-		4 +	303.72	4+	383.99		2.034081	78.0 <u>78</u>	29.6	53.5	-2.53643	ок
58	4 + 426,881				4.009	7,950	0.319	εs	,		4 +	422.87	4+	430.82		4,508408	7.473	29.6	23.5	2.048088	ok

R-1(Gra	and Etang)							ing Super				<del></del>						
	PI STATION		R	T	Lc	E	e(%)	W(m)	V(kph)	PC	PT	Topogapy	М	LC1	s	r1_	Mt	Judge
												Sight Ob.	LC1>=S	Inside Lane	V=30Km/h V=20Km/h	Inside R	LCIKS	3.5
59	4 + 445.485	75 58 45 R	10	7.810	13.261	2.688	ES	8	30	4 + 437.68	4 + 450.94		9.941235	11.272	29.6	8.5	7.441647	Widening
60	4 + 465.878	21 52 48 L	55	10,631	21.003	1.018	ES	_	-	4 + 455.25	4 + 476.25		2.034081	20.430	29.6	53.5	1.842385	OK
61		41 27 32 L	35	13,246	25.326	2.423	ES		٠	4 + 532.61	4 + 557.93		3.216424	24,240	29.6	33.5	3.117244	óĸ
62	4 + 597,677	52 54 7 R	25	12.438	23.083	2.923	E\$	8	30	4 + 585.24	4 + 608.32	m	4.508408	21,698	29.6	23.5	4.220011	Widening
63	4 + 696,588	59 34 42 L	25	14,311	25.996	3,807	ES	-	~	4 + 682.28	4 + 708.27	.	4.508408	24.436	29.6	23,5	4.388019	oĸ
64	4 + 731,663	18 16 8 R	25	4.020	7.971	0.321	ES	_	_	4 + 727.64	4 + 735.61		4,508408	7,493	29.6	<b>23</b> .5	2.052773	ok
65_	4 + 779.552	33 73 54 R	55	16,500	32,060	2,422	ES			4 + 763.05	4 + 795,11		2.034081	31.186	29.6	53.5	2.028446	ок
66	4 + 848,602	72 33 3 L	37	27.155	46.851	8.895	E\$		-	4 + 821.45	4 + 868.30		3.040645	44.952	29.6	35.5	2.33892	oĸ
67	4 + 916.859	8 45 23 L	100	7.656	15.283	0.293	ES_	_	-	4 + 909.20	4 + 924.49		1.109788	15,054	29.6	98.5	0.84267	ок
68	4 + 969.411	33 27 22 L	30	9.016	17,518	1.326	es			4 + 960.39	4 + 977,91		3.757222	16.642	29.6	28.5	3.070963	ok
69	5 + 34.283	11 48 2 L	50	5.167	10,298	0.266	ES	_	-	5 + 29.12	5 + 39,41		2.240676	9.989	29.6	48,5	1,264918	OK.
70	5 + 70.961	72 59 42 R	20	14.798	25.480	4,879	ES	8_	30	5 + 56.16	5 + 81.64	m	5.610926	23,569	29.6	18.5	5.421733	Widening
71	5 + 135,899	37 38 12 L	50	17.039	32,844	2.824	ES		_	5 + 118.86	5 + 151,70		2.240676	31.859	29.6	48.5	2.228195	ОК
72	5 + 178.974	50 18 12 L	30	14.086	26.339	3.142	ES	-		5 + 164,89	5 + 191.23		3.757222	25.022	29.6	28.5	3,6751	ok
73	5 + 269.057	120 14 58 R	16	27.853	33.580	16.121	ES	_		5 + 241.20	5 + 274.78		6,919717	30.432	29.6	14,5	6.916696	oĸ .
74	5 + 311 <u>115</u>	5 25 12 L	100	4.733	9,460	0.112	ES		-	5 + 306.38	5 + 315.84		1.109788	9.318	29.6	98,5	0,589638	ок
75	5 + 384,747	63 23 45 L	23	14.204	25.449	4.032	ES		_	5 + 370.54	5 + 395.99		4,895954	23.789	29.6	21.5	4.733813	oĸ_
76	5 + 455,451	27 32 1 L	70	17,151	33,639	2.070	ES			5 + 438.30	5 + 471.94		1.592622	32.918	29.6	68.5	1.573074	ок
77	5 + 535,995	9 14 23 R	100	8,081	16.126	0.326	ES_			5 <b>+</b> 527.91	5 + 544,04		1,109788	15.884	29.6	98.5	0.87238	ox
78	5 + 567 066	31 25 46 R	35	0.949	19,199	1.359	ÉS	_		5 + 558,12	5 + 577,32		3.216424	18,376	29.6	33.5	2.772109	ÓК

- R−1(Gra	and Etang)					ES:Exis	ting Super	roisvation										
	PI STATION		R	TL	c E	e(%)	W(m)	V(kph)	P	C	PT	Topogary	M	LC1	S	rl	Mt	Judge
F1110.	I STATION	1	1 1	·   -	_   _							Sight Ob.	LC1>=S	Inside Lone	V=30Km/h	Inside R	LCIKS	3.5
			<del> </del>	_			<del></del>								V=20Km/h			
			+			┪	}											1
1					001 2	41 ES	_	_	5.4	597.74	5 + 619.76	H	3.757222	20.920	29.6	28.5	3.455392	lok
79	5 + 609.273	47 3 26 L	30	1,533 22	921 - 2.	411 53	<del> </del>	<del>                                     </del>		031.14	9 073.10	ſ <del> </del>						
			][ _				_	_ ;		631.93	5 + 660.75		2.240676	27.954	29.6	48.5	2.233992	OK
80	5 + 646,753	33 1 25 R	50 1	4.822 28	819 2.1	51 ES.	┿┷		<del>3 +</del>	937.93	y + 000.70	l	1.2.40070		1.010			
							1	_ :		~7.60	F . 766.60		2.240676	25.372	29,6	48.5	2.19635	OK
81	5 + 687,909	29 58 24 R	50 1	3.385 26	157 1.3	61 ES_	<del>  -</del> -	<del>  -</del>	-5+	674.52	5 + 700.68	l <del></del>	2.240070	20.017.	23.0			
ŀ			1 1		1		1		_			i	1,862173	30.390	29.6	58.5	1,860883	ОК
82	5 + 782.711	29 45 52 L	60_1	5,945 31	169 2.0	83 ES	<del>  -</del> -	<del></del>	5 +	766.77	5 + 797.94	l	1,602   73	30.030	2.3.0	50.5	7,000000	7
					į.		1					<b>i</b>		27.773	29.6	20 5	2.799712	ox.
83	5 + 857.190	41 19 57 R	40 1	5.088 28	856 2.	51 ES_	<del>  -</del>	ļ	5 +	842.10	5 + 870.96	l	2.809816	21.113	¥3.0	20.3	Z.198112	<u> </u>
					1									0.705	00.0	22.5	1.114604	or i
84	5 + 894.967	9 13 45 L	25	2.018 4	027 0,0	81 ES	-		5 +	892,95	5 + 896,98	<b></b>	4,508408	3.785	29.6	23.0	1.114004	<u> </u>
			i  -		ĺ			İ				1 1			00.0			ок
EOP	5 + 905.000	L		0.000	000 0.0	00 ES	-	-	5 +	905,00	5 + 905,00	{	-2.85592	0.000	29.6	-1.5	<u>v</u>	100
			1 1	1												40.5	0.500700	0.0
85	5 + 954.818	4 39 7 L	50	2.031 4	060 0.0	41 ES		-	5 +	952.79	5 + 956,85	ļ <b> </b>	2.240676	3,938	29.6	48.5	0.560706	OX.
						1	Į					ł I		:				
86	6 + 95.501	53 13 18 L	110 5	5,110 102	178 13.0	33 ES	<u> </u>	-	6 +	40.39	6 + 142.57	m	1.007837	100.785	29.6	108.5	-4,44941	OK
		1					1											i i
87	6 + 238,802	27 2 28 L	95 2	2.844 44	836 2.7	08 ES	-	-	6 +	215.96	6 + 260.79	m	1.168893	44,128	29.6	93.5	0.892977	ок
						"												
88	6 + 276765	61 26 3 R	20 1	1.883 21	445 3.2	64 ES	-		6 +	264.88	6 + 286,33		5.610926	19,836	29.6	18.5	5.089214	OK
	0 (.70.100											ļ <b>i</b>				-		[ ]
89	6 + 352706	89 22 53 L	52 5	1.442 81	120 21.1	45 ES	-	-	6 +	301.26	6 + 382.38	m	2.153235	78.780	29.6	50.5	-2.69477	OK
	0 032,100	00 21 00 0	1													j		<del>{</del>
90	6 m 201 564	26 15 22 R	25	5,831 13	456 0.6	71 ES	_		6 +	385.73	6 + 397,19		4,508408	10.769	29.6	23.5	2.7527	OK
30	0 331,394	20 0 22 1		0,00		·   · · · · · · · ·										İ		!
91	6 + 421 021	23 12 49 R	65 1	3.351 26	335 1.3	57 ES	_	-	6 +	407.68	6 + 434.02		1,716931	25.727	29.6	63.5	1.688074	OK .
91	0 = 421.001	23 12 40 1	<u> ~ , , , , , , , , , , , , , , , , , , </u>	0,001														
	C . F00 005	104 7 35 R	17 2	1 800 30	895 10.6	S2 ES	_	-	6 +	481.26	6 + 512.15		6.545024	28.169	29.6	15.5	6.535072	ÖK
92	0 + 303.003	104 / 35 K	- '/	1.005 00	030 10.0	20	<del> </del>	-										í :
		100 13 6 1	10 0	7.786 27	915 18.2	ε6 εs	8	30	6 +	545.70	6 + 573,62	m	8,813969	24.425	29.6	10.5	8.712188	Widening
93	6 + 5/3.488	133 17 0 L	12 2	1.100 27	313 10.2		<del> </del>	,,										
			مأمدا	0007 67	555 3.3	37 ES	_	_	e +	593.91	6 + 651,47	·	0.885741	56,865	29.6	123,5	0.147635	ÖΚ
94	6 + 523,207	26 22 53 R	125 2	9.297 57	555 3.3	2/1 E3_	<del>                                     </del>	<del></del>	v	933.31	<u> </u>		7.12.7.7.			=		
1 1				ء اممه		20 50	8	30	. 6+	700.54	6 + 726,82	m	10.20472	22,125	29.6	д	10.17662	Widoning
95	6 + 750,482	158 27 28 L	9.5 4	9.938 26	273 41.3	3 ES	8-	30	9 4	700.54	0 7 720,02	<del>  "</del>	10.204/2	F. F. T 2, U	1.7.0		***	
						ء ا ء	١ .			752 62	6 + 781.61		5,610926	25,836	29.6	185	5 539748	Widening
96	6 + 770,463	80 0 56 R	20 1	6,787 27	931 6.1	1 <u>EŞ</u>	8	30	9 +	753.68	OT (61.5)		5.010320	2,5,00,0	1.3.0	1000	J.000140	
		*					1						0.040875	14044	20.0	40 C	1.689349	OK .
97	6 + 841,530	17 30 11 L	50	7.697 15	274 0.5	39 ES	<u> </u>		6+	833.83	6 + 849.11		2.240676	14,816	29.6	40.5	1.003343	7

	ind Etang) PLSTATION	1	R	Ŧ	Lc	Е		ng Super W(m)	V(kph)	Þ	C	Р	Ţ	Topogapy	М	LC1	\$	<u>d</u>	Mt	Judge
PINO.	PISTATION	-	"	'		-	0(/1/	********	· (/4D///	,	•		· [	Sight Ob.	LC1>=S	Inside Lane	V=30Km/h	Inside R	LC14S	3.5
																	V=20Km/h			
98	6 + 924350	144 42 50 R	13.5	42.447	34,097	31,042	ES	Ą	30	6_+	881.90	6+	916.00	itr	8.026869	30.309	29,6	12	8.025234	widening
		88 19 49 L		19.425		7,881	es	_		6 +	922.24	6.+	953.07		5.610926	28.521	29.6	18.5	5.605333	oĸ .
99			-			0.477	ES	_	-	6 +	983.69	6+	993.39		4.508408	9,114	29.6	23.5	2.414209	OK .
100		22 13 12 L				1.139		-	_	7+	30.68	7 +			3.216424	16.865	29.6	33 5	2.641.677	ок
101		28 50 43 L							00					m	5.610926	21,875	29.6	18.5	5.292941	Widening
102	7 + 65,795	67 44 50 R	20	13.426	23.648				30	7+	52.37				2.240676	9,322	29.6		1,196652	
103	7 + 105.034	11 0 44 R	50	4.820	9.610	0.232	ES				100.21		109,82							
104	7 + 144,979	42 49 31 L		7.843	14.949	1.483	ES .	-		7 +	137.14	7+_	152.09		5.610926	13.828			4.156053	
105	7 + 211,820	38 43 27 L	40	14,056	27,035	2.398	ES		-	7 +	197.76	7 +	224.80		2,809816	26.021	29.6		2.770796	
106	7 + 268,692	112 10 41 F	23	34,213	45,031	18.226	ES	. 8	30	7 +	234.48	7 +	279.51	<u> </u>	4,895954	42,094	29.6	21.5	4,320501	widening
107	7 + 299,136	65 9 37 L	15	9.586	17.059	2.801	ES_		-	7 +	289.55	7 +	306.61	-	7,331934	15.353	29.6	13.5	5,960218	ок
108	7 + 326.719	21 14 11 6	25	4.687	9,266	0.436	٤s	-	-	7 +	322.03	7 +	331.30		4,508408	8.710	29.6	23.5	2.327011	oh
109	7 + 369.013	77 31 1 F	16	12.845	21,647	4,518	ES	8	30	7 +	356,17	7 +	377.81	<u>m</u>	6.919717	19.617	29.6	14.5	6.317757	Widening
110	7 + 407.373	125 8 19 L	7.5	14,450	16.381	8,780	ES	-		7 +	392.92	7 +	409.30		10.68452	13,104	29.6	6	10.5564	ox
111	7 + 446.322	18 55 22 F	25	4.166	8.257	0.345	ES	_	T.	7 +	442.16	7 +	450,41	m	4,508408	7.761	29.6	23.5	2.114641	ok
112		48 47 3 F	T	13,604	25.543	2.940	ES	8	30	7 +	512.99	7+	538.53	m	3 <u>.757222</u>	24,266	29,6	28.5	3.645269	Widening
113	7 + 562.721		-		14.002		ES	_	_	7 +	555.67	7 +	569. <del>6</del> 8		2.240676	13.582	29.6	48.5	1.592396	ok
		91 55 19 t		10.858				_	_	7 +	653.55	7 +	670.40		9.662234	14,439	29.6	9	8.19301	ок
114						0.180		-			699.29		707.76	m	2.240676	8,214	29.6	48.5	1.07824	ok
115	7 + 703,533								-		122.74		751.78		2.240676	28.169	29.6	48.5	2.235627	oĸ
116	7 + 737.683	74 34 10 F		14.943 26.648			ES	-	-		768.46		814.01		3,216424	43.600	29.6		2.605896	

711-33

	nd Etang)		R	Τ	la l	E		ng Super W(m)	V(kph)	p	C	Р	T	Topogapy	M	LC1	s	r1	Mt	Judg
PI NO.	PI STATION	1	R	'	Lc	<u>-</u>	G(/0/	**(111)	* (NDIII)		<b>~</b>			Sight Ob.	LC1>=S	Inside Lane:	V=30Km/h	Inside R	LCIKS	
			-														V=20Km/h			
	7 - 821 701	53 36 23 F	15	7 578	14,034	1.806	E\$	<b>-</b>	-	7 +_	824.21	7 +	838.25		7.331934	12.631	29.6	13.5	5.276389	OK_
118					11.562	0.483		_	_	7 +	873.49	7 +	885.05		3.21 5424	11.067	29,6	33 <u>.5</u>	1.979624	ок
119		18 55 40 F						_	_		897,04	7+	904.23		3.21.6424	6.879	29.6	33.5	1.340765	OK_
120		11 45 55 F				0.185		8	30		921.55		969_43		4,508408	44,999	29.6	23.5	3,676824	wider
121		109 42 43 L			47.871				30 _		978.19		4.83		2.240676	25.845	29.6	48.5	2.205738	ОК
122	7 + 991.833	30 31 54 F	5.0	13.646	26.644	1.829		-							4.508408	9,397		23.5	2.474326	ok
123	8 + 100.395	22 54 38 I	25	5.066	9,997	0.508			<u>-</u>	8 +			105.33			0.000		-1.5		ок
EOP	8 + 182,000	·	-	0.000	0.000	0.000	ES	-	-		182.00		182.00		-2.85592				1.111698	
124	8 + 224,690	10 4 0 F	50	4.404	8.785	0.194	ES	-	<u>-</u>	8 +	220.29	8+	229.07		2.240676	8,521				
125	8 + 310.198	47 23 28	40	17.555	33.085	3,683	ES		-	8 +	292,64	8+	325.73	m	2.809816	31,845	29.6		2.794776	Ì
126	8 + 353,401	25 39 27 5	₹ 50	11.386	22.390	1.280	es	<u> </u>	_	8 +	342.02	8+	364.41		2,240676	21,719	29.6	48,5	2,085629	OK
127	8 + 389.137	19 23 36 F	R 50	8.544	16,924	0.725	ES_	-		8 +	380.59	8+	397.52		2.240676	16,416	29.6	48,5	1.803197	OK
128	8 + 447,199	21 27 2 6	२ 50	9.470	18.719	0.889	ES			8 +	437,73	8.+	456.45		2.240676	18,158	29.6	48.5	1.911976	OK.
129	8 + 493.816	48 37 15 1	3 25	11,293	21,215	2,432	ES		_	8 +	482.52	8+	503.74		4,508408	19.942	29.6	23,5	4.071795	ОК
130	8 + 526.931	3 1 22	200	5.277	10.55]	0.070	es		_	8 +	521.65	8 +	532.21		0,551482	10.472	29.6	198.5	0.32131	ok
131		110 40 18		15.907	21,247	8.340	ES	8	30	8 +	606.00	8 +	627.25	m	9,377438	18,350	29.6	9.5	8.723269	Wide
132		88 40 12 1	-	14.656		5,971				8 +	641.09	8+	664.31		7,331934	20.892	29.6	13,5	6,886581	ок
						1,897		-	_	8 +	731.16	8 +	751.96	m	3.757222	19,756	29.6	28.5	3.366754	lok
133		39 43 0 1	-		30.278		ES	_	-	8 +	766,99	8+	797.27	m	1.109788	29.823	29.6	98.5	1.10972	ок
134	-	17 20 52						_	_		809.31		833.36		6.204316	22,044	29.6	16.5	5.88667	ОК
135		76 32 55 27 27 39			24.048 19.171				<u> </u>		859.39		878.56		2,809816				2 423173	3 ok

R-1(Gr	and Etang)										ng Super											Mt	Judge
PI NO.	PI STATIC	NC		1		R	Ŧ	Lc	E	e(%)	W(m)	V(kph)	P	C	Ъ.	.	Topogapy	M	LC1	S	- 1		3.5
		_															Sight Ob.	LC1>=S_	inside Lane	V=30Km/h V=20Km/h		LC1KS	6.5
	0.051	245	40	10	<u> </u>	65	20 145	54.797	6.235	ES	_	_	8 +	921.90	8 +	976.70		1.716931	53.532	29.6	63.5	0.662292	ок
137	8 + 951.							39.382	8.266		_	_	9 +	0.03	9+	39,41		3.887343	37,345	29.6	27,5	3.66747	ок
138	9 + 23.					45		27.921	2,256		-	_	9 +	73.91	9+	101,83	-F	2,493508	26,990	29.6	43.5	2.474935	ok
139	9 + 126.					50		13.624	0.468		_	-	9+	119.34	9 +	132,97	m	2.240676	13,215	29.6	48.5	1.562054	ok
140 141	9 + 172				21 8			10.785	0,194			_	9 +	166.99	9+	177.77		1,48504	10,569	7.9 <u>.6</u>	73.5	0.873468	ок
142	9 + 213							12.945	0.607	ES_		_	9 +	207.32	9 +	220.26		3.216424	12,390	29,6	33.5	2,153421	ok .
143	9 + 240.					60,		18.893	0.751	E\$			9 +	230.94	9+	249.84	m	1.862173	18,421	29.6	58.5	1,599959	ok
144	9 + 306.					20	14.029	24.468	4,430	<u>es</u>	8	30	9 +	292.88	9.+	317.35	<u>m</u>	5.610926	22.633	29.6	18.5	5.354984	Widening
145	9 + 342					50	10.161	20,049	1.022	ES	_	-	9+	332,10	9+	352,14		2.240676	19,447	29.6	48.5	1.982403	oĸ
146	9 + 387.						11.274	21.568	2,048	ES	-	-	9 +	376.45	9+	398.02		3.757222	20,489	29.6	28.5	3,423968	oĸ
147	9 + 417	792	20	50_	23 L	40	7.356	14,549	0.671	ES	_		9 +	410.44	9+	424.99	<u>m</u>	2.809816	14.003	29.6	38.5	2.045321	ok_
148	9 + 462.	.467	13	16	36 R	50	5.819	11.586	0.337	ES		-	9 +	455.65	9 +	468.23		2.240676	11.238	29,6	48.5	1.386472	ок
149	9 + 499.	.904	36	49	23 L	45	14,980	28.921	2.428	ES			9 +	484.92	9+	513.84		2,493508	27.957	29.6	43.5	2,486161	ok
150_	9 + 547	738	7	15	47 L	100	6.347	12,676	0.201	ES		_	9 +_	541.39	3+	554.07	m	1.109788	12.486	29.6	98.5	0.739774	ok
151	9 + 592	146	117	51	20 R	14.5	24.063	29.826	13.594	ES	-		9+	568.08	9+	597.91		7,553105	26.741	29,6	13	7.515037	oĸ
152	9 + 637.	.097	96_	55	23 L	17	19,189	28,758	8,636	ES	8	30	9 +	617.91	9+	646.67		6.545024	26,220	29.6	15.5	6.486501	Widening
153	9 + 698	.472	80	55	11 L	24	20.469	33,896	7,543	ES	8	30_	9 +	678.00	9+	711.90		4.694563	31.777	29.6	22.5	4.674256	widening
154	9 + 7.63	.219	137	29	46 R	14	35,997	33.597	24.624	ES	-	-	9 +	727.22	9+	760.82		7,784708	29.997	29.6	12.5	7.784129	oĸ
155	9 + 803	.531	127	22	9 L	12	24,264	26.676	15,069	ES	8	30	9 +	779.27	9+	805,94		8,813969	23.342	29.6	10.5	8,650124	Widening
156	9 + 909	774	150	2	35 R	20	74.753	52.375	57.383	ÉS	_		9_+	835.02	9 +	887.40		5,610926	48.447	29.6	18,5	4.615346	OK

R-1(Gra	and Etang)						ES:Exist	ng Super	elevation							<del></del>	· · · · · · · · · · · · · · · · · · ·			
	PI STATION		R	Ţ	Lc	Ε	o(%)	W(m)	V(kph)	P	C ¦	PT		Тородару	M	LC1	s	-1	Mt	Judge
														Sight Ob.	LC1>=S	Inside Lane		nside R	LCIKS	3.5
																	V=20Km/h	<u>i</u>		<del>                                     </del>
157	9 + 922,798	71 59 20 L	38	27,603	47,745	8,967	ES	_	_	9+_	895.20	9 + 9	42.94		2.959662	45,860	29.6	36.5	2,190692	όκ
								-	_	9+	962.35	9 + 9	61.61		3,413335	27.935	29.6	31.5	3,403435	ок
158	9 + 978,020	50 48 38 R	33	15.673			ES								-	23,411	29.6	245	4.166394	Widening
159	10 + 15,309	54 44 59 L	26	13,463	24,845	3.279	ES	8	30	10 +	7.85	10 + 2	26.69	m	4,33591	2,3,28,7	7.3.0	<u>, , , , , , , , , , , , , , , , , , , </u>	4,1,000	1
160	10 + 70,577	35_55 9 R	50	16,207	31.345	2.561	es		-	10 +	54.37	10.+	85.71		2.240676	30,405	29.6	48,5	2.239085	ок
161	10 + 122.133	6 1 10 L	100	5,258	10.506	0.138	٤s	-	-	10 +	116.88	10 + 1	27.38		1.109788	10.348	29.6	98.5	0.641276	ок
162		52 39 59 L	30		27.576		ES	_		10 +	176.04	10 + 20	03.61		3.757222	26.197	29.5	28.5	3.71217	ок
								8	30	10 +	211,64	10 + 24	41.96	T.	3.520911	28.902	29.6	30.5	3.519136	Widening
163		54 <u>17 35 R</u>				3,961	ES								2.959662	25.831	29.6	265	2.914339	OK
164	10 + 261,976	40 32 56 L	38	14.037	26,893	2.510	ES	-		10 +	247.94	10 + 2	74.83							
165	10 + 282.843	7 58 30 R	30	2.091	4.176	0.073	ES	<b>-</b>	_	10 +	280.75	10 + 28	84.93	m	3.757222	3,967	29,6	78.5	0.960239	ok
166	10 + 319,380	4 7 31 L	_50_	1,801	3.600	0.032	ES			10_+	317.58	10 + 32	21.18		2.240676	3.492	29.6	48 <u>.</u> 5	0.501265	OK
167	10 + 374.304	99 23 4 R	28	33.007	48.568	15.284	_ES	8	30	10 +	341.30	10 + 38	89.87	<u>m</u>	4,026518	45.967	29.6	26.5	3.116932	widening
168	10 + 412.220	23 <u>47</u> 16 L	40	8.425	16.607	0.878	ES		-	10 +	403.79	10 + 42	20.40		2.809816	15.984	29.6	38.5	2.22966	ок
169	10 + 447,398	38_51_55_L	45	15.876	30.525	2,718	ES	-	•	10 +	431.52	10 + 46	62.05	m	2.493508	29.507	29.6	43.5	2,493485	ok
170	10 + 477,573	an expe	40	4.783	9.522	0.285	ES_	_	•	10 +	472.79	10 + 48	82.31		2.809816	9.165	29.6	38,5	1,485632	ок
						1.232	ES	8	30	10 +	493.51			m	5.61.0926	12.668	29.6	18.5	3.916014	Widening
171		39 14 0 L	20												4.508408	32.201	29.6	23.5	4,480139	ок
172	10 + 535,216	78 30 32 R	25	20,429	34.256	7.285	ES	-		(0 +_	514.79	10 + 54	49.05							
173	10 + 572.530	46 35 1 L	25	10.762	20.326	2.218	ES	8	30	10 +	561.77	10 + 58	82.09	<u></u>	4,508408	19.106	29.6	23,5	3,989844	Widening
174	10 + 610.746	81 42 40 R	19	16.433	27.096	6.120	ES	_	_	10 +	594,31	10 + 62	27,41		5.894055	24.957	29.6	17.5	5.782221	OK .
175	10 + 693.005	152 34 29 L	15.75	64,547	41,941	50.691	ES	. 8	30	10 +	628.46	10 + 6	70.40	m	7,01912	37.947	29.6	14.25	6.817572	widening
176	10 + 711,677	5 8 2 R	200	8 966	17.921	0.201	ES		_	10 +	702.73	10 + 72	20.63		0.551482	17.786	29.€	198.5	0.463729	OK

	and Etang)				<del></del>				ng Super		Р		ρ	Т	Тородару	М	LQ1	S	<i>r</i> 1	Mt	Judge
PI NO.	PI STATION	:	ļ	R	T	Lc	E	e(%)	AA(111)	V(kph)				'	Sight Ob.			V=30Km/h	Inside R	LCIKS	3.5
															Signt Ou.	2017-0	myco cano	V=20Km/h			
177	10 + 820,723	12 8	55 R	100	10.642	21,203	0.565	ES_	+		10 +	810.08	10+	831.29	m	1.109788	20,885	29.6	98.5	1,014116	ok
- '//	10 0,0,1,0	,,,,									10 +	860.56	10.4	875.56	- m	0.551482	14,887	29.6	198.5	0.415333	ok
178_	10 + 868.063	4 17	49 R	200	7.503	14,999	0.141	ES	-	<del>-</del>	10 +	600.00		013.37							
179	10 + 898.768	24 42	37_L	20	4,381	8,626	0.474	ES	_		10 +	894,39	10 +	903.01		5,610926	7.979	29.6	18.5	2.741529	OK
100	10 + 929,562	92 56	27 E	14	14.738	22,710	6.327	ES	8	30	10 +	914.82	1,0_+	937.53	m	7.784708	20.277	29.6	12,5	7.270728	Widening
180	10 + 929,302											959.98	10.4	972.47	m	2.240676	12.108	29.6	48.5	1,466262	ok
181	10 + 966.258	14 18	15 R	50	6,274	12.483	0.392	£\$	-	-	10 +	959.96	10 -	317.41		7240070					
182	10 + 993,966	8 33	1 L	100	7,475	14,923	0.279	£S_			10 +	986,49	11 +	1.41	ļ	1.103788	14.699	29,6	98.5	0.829467	OK
100	11 + 12,303	0 24	24 R	25	1.874	3.741	0.070	ES	_		11 +	10.43	11 +	14.17	m	4.508408	3.516	22.6	23.5	1.040572	ok
183	11 + 12,303	3 04	2-4-15	- 20								16.54	11.4	44.87		1.109788	27.940	29.6	98.5	1.106325	ок
184	11 + 30.781	16 15	7 L	100	14.278	28.365	1.014	<u>es</u>	<del>-</del> -	-	11 +	16.50	11 +			7.1037.00	2,7,54				
185	11 + 80.263	92 47	22 R	15	15,749	24,292	6.749	ES	8	30	11 +	64,51	11 +	88,81	m	7.331934	21.863	29,6	13.5	6.99045	Widening
	11 + 162.860	140 01	<i>.</i> .	11.25	20.602	29.129	30.006	ES.	_	_	11 +	123.17	11 +	152.30		9.234976	25.245	29.6	9.75	9,18631€	ок
186	11 + 162.860	145 21	.,) L	11,64	09,032	7.5.72.5	00.000							200 52		2.240676	5.372	29.6	48.5	0.744892	ОК
187	11 + 205,765	6 20	46_L	50	2.772	5,538	0.077	ES		-	11 +	207.99	11.7	208,53		2.7.40070	3.3),2	20,0			
168	11 + 237,787	35 8	53 R	30	9.502	18,403	1,469	ES		-	11 +	228.29	11 +	246,69	m	3.757222	17.483	29,6	28.5	3,159406	ok.
100	11 + 283,302	11 0	7 1	50	4.815	9,601	0.231	ES	-	_	31 +	278.49	11 +	288.09		2.240676	9.313	29.6	48,5	1.195747	OK
189	11 + 205.302	<del> ''</del>		7								000.60		329,20	IF9	6.204316	17,888	29.6	16.5	5.386465	Widening
190	11 + 320.526	62 6	58 R	18	10.840	19.514	3.012	ES	. 8	30	11 +	309.59	11 7	325,20		0.204370					
191	11 + 357,096	75 51	1_1_1	22	17.142	29,124	5.890	ES	<del>  -</del> -	-	11 +	339.95	11 +	369,08		5.114387	27.139	29.6	20.5	5.085711	OK
100	11 + 398.620	24 41	20 D	40	12.495	24 221	1.906	ES	-	_	11_+	386,13	11_+	410.35	m_	2,809816	23.313	29.6	38,5	2.688415	ok
192	() 4 398.020	34 41	30 K	1	12.433	24.22	1.300							451.01		7.331934	22.647	29.6	13.5	7.062905	ok
193	11 + 442.845	96_7	4 L	15	16,694	25,164	7.443	ES		-	11 +	426.15	11.4	451.31		1.331334	22.047			1	
194	11 + 488.213	42 11	27 R	20	7.716	14.727	1.437	દક	8	30	11 +	480.50	13 +	495.22		5,610926	13,623	29.6	18.5	4.115091	Widening
		46 50	~ ~	,,	4.001	0.774	A 0 A 0	ES	А	30	11 +	508.09	11_+	516.26	m	9,941235	6.948	29.6	8.5	5 201442	Widening
195	11 + 512.420	46 50	9 R	10	4,331	8.174	0.898	.53_		30						4.276	00.000	29.6	26.6	4,175086	OK.
196_	11 + 544.729	67 22	5 L	27	17,996	31,746	5,448	ES		-	11 +	526.73	71 +	558.48		4,175684	29,983	29.5	23,3	1 4.1750as	V-V-
197	11 + 590.213			200	5 705	11.527	0.083	ES	_	Ì -	111 +	584.45	11 +	595.97	<u> </u>	0.551482	11,440	29.6	198,5	0.34403	OK

R-1(Gra	and Eta	ang)									ES Exist	ing Super					
PI NO.				1			R	T	Lc	Ε	e(%)	W(m)	V(kph)	P	C	P	PΤ
	ļ <u>.</u>													···-			
198	11 +	694.262	10	1.7	27	R	25	2.251	4,490	0.101	ES		-	17 +	692.01	11"+	696.50
EOP	11 +	702.000						0.000	0,000	0.000	ES	_		11 +	702.00	11 +	702.00

Тородару	М	LOI	ss	el	Mt	Judge
Sight Ob.	LC1>=S	Inside Lane	V=30Km/h	Inside R	LC1KS	3.5
			V=20Km/h			;
	4.508408	4.22]	29.6	23,5	1.232749	ок
	-2.85592	0.000	29.6	~1.5	0	ОК

	and Etang)								relevation						<del> </del>	т	·		1	
PI NO.	PI STATION	1	R	T	Lc	E	e(%)	W(m)	V(kph)	j P	C	P	Т	Topogap	-	LCT	s	r1	Mt	Judge
								<u> </u>	<u> </u>					Sight Ob	LC1>=S	inside Lane	V=30Km/h	inside R	LCIKS	3
EOP	11 + 702,000			0.000	0.000	0.000	ES.	_	_	11 +	702.00	11 +	702.00		-2.85592	0.000	29.6	-1.5	0	ок
													729.18		2.240676	23,715	29.6	40.5	2,154532	Or
199		28 0 57 R		12,474		1.532					704.73									
200	11 + 748.945	38 54 19 L	15	5.298	10.185	0.908	ES	8	30	11 +	743.65	11 +	753.83	m	7.331934	9.167	29.6	13.5	4,173022	Widenin
201	11 + 818,503	35 54 22 R	15	4.860	9,400	0.768	ES	-	-	₹1 <del>+</del>	813.64	11 +	823.04	-	7.331934	8.460	29.6	13,5	3,915368	OK
202	11 + 859,778	3 42 31 R	100	3.238	6.473	0.052	ES		-	11 +	856,54	11 +	863.01		1.109788	6,376	29.6	98,5	0,427328	OK
203	11 + 885,861	7 34 57 L	50	3.313	6,617	0.110	ES		-	17 +	882.55	11 +	889.16	m	2.240676	6,418	29.6	48.5	0.872537	ok
204	11 + 931.898	36 3 45 L	25	8.138	15.735	1.291	ES_	_	_	11 +	923.76	11 +	939.49		4.508408	14.791	29,6	23,5	3,446074	ок
205	11 + 956,123	35 39 45 R	25	8.042	15.561	1.262	ES	_	_	11 +	948.08	11 +	963.64		4.508408	14.627	29.6	23.5	3,421347	ок
206		7 32 24 R			13,160	0.217	ξS	_		11 +	984,43	11 +	997.59		1.109788	12.962	29.6	98.5	0.760124	ок
				11.318		1.265	ES	1 _	_	12 +	6.37		28.64		2.240676		29.6		2.080625	
207		25 30 34 L										<u> </u>		****	1,48504	15,116	29.6			
208		11 47 0 R	75		15.424	0.398	<u>E\$</u>	<del></del>		12 +	59.80	12 +	75.23						1.131628	
209	12 + 120.419	29 18 30 R	35	9,152	17.903	1.177	ĘŞ	-	-	12 ÷	111.27	12 +	129.17	-	3.216424	17.136	29.6	33.5	2.666318	OK
210	12 + 182,856	44 38 19 R	40	16.421	31,164	3,239	ES	-	-	12 +	166.44	12 +	197,60	-	2,809816	29,995	29.6	38,5	2.809347	OK
211	12 + 236.617	66 55 37 L	22	14,541	25.697	4.371	ES	Ą	30	12 +	222.08	12 +	247.77		5,114387	23,945	29.6	20.5	4.95693	Widening
212	12 + 285.702	47 30 7 R	15	6,600	12.436	1.388	ES	_	-	12 +	279.10	12 +	291,54	<u> </u>	7.331934	11,192	29.6	13.5	4.850334	ок
213	12 + 321.567	13 21 11 L	100	11.706	23.305	0.683	ES	_	-	12 +	309.86	12 +	333.17	m	1,109788	22.956	29.6	98.5	1.054226	ok
214	12 + 374,796	34 0 3 R	35	10.701	20.770	1.599	ES	_	_	12 +	364.09	12 +	384.86		3.216424	19.880	29.6	33.5	2.884853	ок
215		65 19 52 L		12.823		3.758	ES	8	30	12 +	403.42	12 +	426.23	m	5.610926	21.094	29.6	18,5	5.221401	Widening
									-	12 +	436.14		449.61		3.216424	12.889	29.6		2.215391	
216		22 2 37 R	35		13,466	0.658	<u>ES</u>	-	-											
217	12 + 479.695	84 8 11 R	17]	15.344	24.964	5,900	ES	1 -	-	12 +	464.35	12 +	489.31	<u> </u>	6.545024	22.761	29.6	15.51	6.284695	OK

	ind Etang)	<u> </u>	Ŕ	Ţ.	Lc	E		ing Super	V(kph)	p.	Ċ	Ρ	T	Topogapy	м	LC1	s	a	Mt	Judge
PI NO.	PI STATION	,	``	'	L.C	-	0(70)	**(117	Virgin	•		ļ				Inside Lane	V=30Km/h	Inside R	LC1KS	3.
210	10 + 500 194	15 34 41 R	20	2,736	5,438	0.186	ES	-		12 +	499.45	12 +	504.89		5,610926	5.030	29.6	18.5	1.835624	ок
218 219		59 59 55 L		11.547		3.094	ES	8	30	12 +	539.34	12 +	560.28		5.610926	19.373	29.6	18.5	5,035188	Widening
220		70 36 10 L		16.286			ÉS	8	30	12 +	570.04	12 +	598.38		4.895954	26.493	29.6	21.5	4,850961	Widening
221		95 3 11 R		14,200		6.252	ES		_	12 +	625.27	12 +	646.83		8,279496	19,078	29.6	11.5	7.614964	ок
222		113 51 35 L		12.286	15,898	<b>5.661</b>	ES	8	30	12 +	660.02	12 +	675.91		10.7178	12.917	29.6	6.5	9,94339	Widenin
223	12 + 738,770	55 13 54 L	25	13.078	24.099	3.214	ES	8	30	12 +	725.69	12 +	749.79	m	4,508408	22.653	29.6	23.5	4,287242	i <u>Widenin</u> j
224	12 + 773.149	27 23 3 R	30	7.309	14,338	6.877	ĘS		-	12 +	765.84	12_+	780.18		3.757222	13,621	29.6	28.5	2.701016	ок
225		13 5 29 R		11,474	22.849	0.656	ES	-		12 +	853.15	12 +	876.00		1,109788	22,506	29.6	98.5	1,046435	ок
226	12 + 895.391	36 33 16 R	25	8.257	15,950	1,328	ES_	_	_	12 +	887,13	12 +	903.08	ļ	4,508408	14,993	29.6	23.5	3.476074	ок
227	12 + 960,468			0.000	0.000	0.000	ES_	-		12 +	960.47	12 +	960,47		-2.85592	0.000	29.6	-1.5	0	ок
228	12 + 963.687			0,000	0.000	0.000	ES	-	_	12 +	963,69	12 +	963.69		-2.85592	0.000	29.6	-1.5	0	ок
229	12 + 984,664	14 18 36 R	50	6.277	12,488	0,392	ES	-		12 +	978.39	12 +	990.88		2.240676	12.113	29.6	48,5	1,465703	ок
230	13 + 23,105	16 6 59 L	50	7.079	14.064	0.499	ES	-		13 +	16.03	13 +	30.09		2,240676	13.642	29.6	48.5	1.597347	ок
231	13 + 41,996	5 56 4 R	50	2.592	5.179	0.067	ES_	-	-	13 +	39.40	13 +	44.58		2.240676	5,023	29.6	48,5	0.701123	ок
232	13 + 102.524	2 19 9 L	200	4.048	8,095	0.041	ES	-		13 +	98,48	13 +	106.57		0.551482	8.035	29.6	198.5	0.258862	ок
233	13 + 162.682	9 52 40 R	50	4.321	8,620	0.186	ES	-	-	13 +	158.36	13 +	166,98		2.240676	8,361	29.6	48.5	1,094326	OK
234	13 + 234,324	32 55 48 L	25	7,389	14,368	1.069	EŞ	-	_	13 +	226.93	13 +	241.30		4.568408	13.506	29.6	23.5	3.244376	ОК
235	13 + 275,812	41 46 40 L	35	13.357	25.521	2,462	ES		_	13 +	262.45	13 +	287.97		3,216424	24.427	29,6	33.5	3,124094	ок
236	13 + 317.409	19 3 36 L	35	5.876	11,643	0,490	ES		-	13 +	311,53	13 +	323.18	-	3.216424	11.144	29.6	33.5	1.990148	ок
237	12 + 257 000	47 13 3 R	30	13.112	24 723	2.740	ES	8	30	13 +	344,78	13 +	369.50	m	3.757222	23.487	29.6	28.5	3.609525	i Widenin

R=1(Gra	nd Etang)							ng Super					<del>,</del>	,			·	
PI NO.	PI STATION	1	R	Υ [	Lc	Ε	e(%)	W(m)	V(kph)	PC	PΤ	Topogapy	M	LC1	S	r!	Mt	Judge
												Sight Ob.	LC1>≂S	Inside Lane	V=30Km/h	Inside R	LCIKS	3.
238	13 + 390.398	18 42 49 R	35	5,767	11,431	0,472	ES	·		13 + 384.63	13 + 396.06		3,216424	10.942	29,6	33.5	1.962481	ok
239	13 + 407.705	7 5 39 R	50	3.099	6.191	0.096	ES	-	_	13 + 404.61	13 + 410.80	m_	2.240676	6.005	29.6	48.5	0.822805	ok
240		10 52 56 L	30	2.858	5.698	0.136	ES	_	_	13 + 432.17	13 + 437.87		3.757222	5,413	29.6	28.5	1.275152	ок
241		17 28 47 R		11.530	22,881	0,881	ES			13 + 493.17	13 + 516.05		1.48504	22,423	29.5	73.5	1.398697	ок
		20 33 9 R				1,223		_	-	13 + 586.60	13 + 613,50		1.48504	26,365	29.6	73.5	1,467553	ок
242						1.110			_	13 + 638.34			1,48504		29.6	73.5	1,451787	ок
243		19 35 55 R		12.954					_				2.240676		29.6		1.426376	
244	13 + 699,251	13 47 3 R	50	6.044	12.029	0.364		-		13 + 69 <u>3.21</u>	13 + 705.24							ок
EOP	13 + 709.005			0.000	0.0001	0.000	ES	-	-	13 + 709.00			-2.85592					
245	13 + 726,724	16 7 9 L	50	7.080	14,067	0,499	ES	-	-	12 + 719.64	13 + 733.71		2.240676	13.645	29.6	48.5	1.597538	ОК
246	13 + 764,439	38 4 37 R	30	10,352	19.937	1.736	ES	-	-	13 + 754.09	13 + 774.02		3.757222	18,940	29.6	28.5	3.297588	OK
247	13 + 800.886	32 36 30 L	30	8.775	17.074	1,257	ES	<u> </u>	-	13 + 792.11	13 + 809.18		3.757222	16.220	29.6	28.5	3,024258	OK
248	13 + 835.312	35 19 14 R	30	9,551	18.494	1.484	ES	-	_	13 + 825.76	13 + 844.25		3.757222	17.569	29.6	28.5	3,168068	ok
249	13 + 862.128	51 14 6 L	25	11.987	22.355	2.725	£\$_	-		13 + 850,14	13 + 872.50		4.508408	21.014	29.6	23,5	4,166131	ок
250	13 + 882.826	20 45 59 R	30	5.497	10.873	0.499	ES	~		13 + 877.33	13 + 888.20		3.757222	10.330	29.6	28,5	2.203264	ок
251	13 + 901.985	12 26 12 R	25	2.724	5.427	0.148	Eŝ		-	13 + 899.26	13 + 904.69		4.508408	5.101	29.6	?3.5	1.465104	ок
252	13 + 918.896	93 8 6 L	12	12.675	19,506	5.455	ES	-	_	13 + 906.22	13 + 925,73		8.813969	17.068	29.6	10.5	7,831572	ок
253		33 47 23 R				0.677		8	30	13 + 926.59	13 + 935.43		7.331934	7.962	29,6	13.5	3.725914	Widening
254		21 40 8 R			9.455	0.454		_	-	13 + 941.81	13 + 951.26		4,508408	8.888	29.6	23.5	2,36558	ok
255	13 + 992,402		50			0.101			_	13 + 989.23	13 + 995,57		2.240676	6.153	29.6	48.5	0.840702	ок
256		16 3 10 L	25			0.247				14 + 10.94			4,508408	5.584	29.6	23.5	1,837056	OK

R-1(Gra	ind Etang)								ing Super									<del></del> :			
	PI STATION	j		R	T	Lc	Ε	⊕(%)	W(m)	V(kph)	P	0	P	T	Topogap		LCI	s	rî _	Mt	Judge
				Ì							_,,,,				Sight Ob	LC1>=S	Inside Lane	V=30Km/h	Inside R	LC1KS	3.5
257	14 + 82.237	33 11 57	R	40	11.924	23.177	1,740	ES_	-	-	14 +	70.31	14 +	93,49		2.809816	22.308	29.6	38.5	2.646061	ок
258	14 + 114,873			50	6.546		0,427	ES		مد	14 +	108.33	14'+	121,34		2.240676	12.627	29.6	48.5	1.511.963	ok
259	14 + 141.639				10,975		3.082	ES_	8	30	14 +	130,66	14 +	150.38	m	6.204316	18,068	29.6	16.5	5,413571	Widening
260	14 + 189,327				23,952		11.572	ES	-	-	14 +	165.38	14 +	199.58		5,894055	31,506	29.6	17.5	5.877563	ÓΚ
261	14 + 264.501			200	3.761	7.520	0.035	ES_	_	-	14 +	260,74	14 +	268.26		0,551482	7.464	29.6	198.5	0.24316	ок
262	14 + 311.483		L	75	9,222	18.351	0,565	ES	•		14 +	302.26	14 +	320.61		1,48504	17.984	29.6	73.5	1.258137	ок
263	14 + 367.478	40 28 24	L	50	18,433	35.320	3.289	ES	-		14 +	349.05	14 +	384.37		2.240676	34,260	29.6	48.5	2.187861	ок
264	14 + 421.886			23	25,689	38.667	11.481	· ES	8	30	14 +	396.20	14 +	434.86	m	4.895954	36,1 <b>4</b> 5	29.6	21.5	4.720755	widening
265	14 + 475,726			45	22.630	41.937	5.370	ES	-	-	14 +	453.10	14 +	495,03		2.493508	40.539	29.6	43.5	2.180265	ок
266	14 + 522.355	33 59 2	R	35	10.695	20,760	1,598	ES	_	_	14 +	511,66	14 +	532.42		3.216424	19.870	29.6	33.5	2.884166	ок
267	14 + 568.814	54 8 31		27	13.799	25.514	3,322	E\$			14 +	555.02	14 +	580.53		4.175684	24.096	29.6	25.5	4.046028	ок
268	14 + 618,598	60 59 42	R	20	11.780	21,291	3.211	ES_	-	-	14 +	606.82	14 +	628.11		5.610926	19,694	29.6	18.5	5.072994	Widening
269	14 + 645.129	9 28 41	R	50	4.145	8,271	0.172	ES		<u>-</u> .	14 +	640.98	14 +	649,26		2.240676	8,023	29.6	48.5	1.057121	ок
270	14 + 688.567	83 27 35	L,	17	15,162	24.763	5.779	ES		-	14 +	673,41	14 +	698,17		6,545024	22.578	29.6	15.5	6.269464	ок
271	14 + 714.891	13 51 44	R	50	6.078	12.097	0.368	ES	-	-	14 +	708.81	14 +	720.91		2.240676	11.734	29.6	48.5	1,432428	ÓK
272	14 + 840.810	96 0 41	R	45	49.988	75.407	22.259	ES	_	_	14 +	790.82	14 +	866.23	m	2.493508	72.894	29.6	43.5	-1,69211	ок
273	14 + 877.803	28 18 19	Ļ	35	8.826	17,291	1.096	ES	-	_	14 +	868,98	14 +	886.27		3.216424	16.550	29.6	33.5	2,612239	ок
274	14 + 937.355	72 25 43	Ļ	18	13,181	22,754	4.310	ES_		-	14 +	924,17	14 +	946,93		6.204316	20.858	29.6	16.5	5.770023	ок
275	15 + 36.89A	70 20 38	R	25	17.617	30.693	5.584	£\$_	8	30	15 →	19.28	15 +	49.97	m	4.508408	28,852	29.6	23.5	4.505983	Widening
276	15 + 193,516	<u> 11 49 1</u>	Į,	200	20.698	41,249	1.068	ES_	_	-	15 +	172.82	15 +	214.07		0.551482	40.940	29.6	198.5	0.470866	ОК

R-1(Gra	and Etang)						ES:Exist	ing Super	elevation											
PI NO.	PI STATION		Ŕ	Τ .	Lc	E	o(%)	W(m)	V(kph)	Ð	C	P	T	Тородару	M	LC1	S	e	Mt	Judge
														Sight Ob.	LC1>=S	Inside Lane	V=30Km/h	Inside R	LC1KS	3.5
277	15 + 248,951	17 6 37 L	100	15.043	29,863	1,125	ES	_	_	15 +	233,91	15 +	263.77		1.109788	29.415	29.6	98.5	1.109745	ок
278	15 + 287,568	20 8 11 R	100	17,755	35,145	1.564	ES	-	-	15 +	269.81	15 +	304,96		1,109788	34,617	29.6	98.5	1.078286	ок
279	15 + 379,762	37 37 4 L	110	37.466	72.221	6,205	ES		_	15_+	342.30	15 +	414.52		1.007837	71,236	29.6	108.5	-0.91802	ОК
280	15 + 444,903	9 56 0 R	25	2.173	4,334	0.094	ES	-	-	15 +	442.73	15,+	447,06		4.508408	4.074	29.6	23.5	1.193201	ок
281	15 + 550.667	47 23 23 R	45	19,749	37.220	4.143	ES	-	-	15 +	530.92	15 +	568,14	m	2.493508	35.979	29.6	43.5	2.38533	ок
282	15 + 619,112	3 36 4 R	200	6.287	12.570	0.099	<u>es</u>	<u> </u>	-	15 +	612.82	15 +	625.40		0.551482	12.476	29.6	198.5	0.367031	ок
283	15 + 678.061	·26 57 43 R	7,5	17,980	35,293	2.125	<u>es</u>	_	-	15 +	660.08	15 +	695,37	m	1.48504	34.587	29.6	73.5	1.443798	ок
284	15 + 785,046	11 27 59 R	200	20.080	40.025	1.005	EŞ	-		15_+	764,97	15 +	804.99		0.551482	39.725	29,6	198.5	0.487197	ок
285	15 + 957,153	2 16 55 R	200	3,983	7,965	0.040	ES	-	-	15 +	953.17	15 +	961,13		0.551482	7,906	29,6	198.5	0.255349	ОК
286	16 + 25.996	3_ 51_ 39_R	200	6.741	13,477	0.114	ES	-		16 +	19.25	16 +	32.73		0.551482	13,376	29,6	198.5	0.385917	OK
287	16 + 72.813	3 12 12 L	200	5,592	11.182	0.078	ES	-	•	16 +	67.22	16+	78,40	-	0.551482	17.098	29.6	198.5	0.336127	ok
288	16 + 126.192	29 59 34 R	85	22.770	44.495	2.997	ES	-	-	16 +	103.42	16 +	147,92		1,308187	43.710	29.6	83.5	1.018296	OK-
289	16 + 229.561	10 59 11 L	50	4.808	9.587	0.231	EŞ	-	-	16 +	224.75		234.34		2.240676	9.300	29.6		1.194376	
290	16 + 265.822	16 47 0 R	50			0,541	ES	-	~	16 +	258.45		273.09		2.240676	14.207	29.6		1.642495	
291		12 4 32 L	75			0.418		-		16+	304.87		320.68		1.48504	15,491	29.6		1.149758	ļ
292		32 47 36 R		22.069		3,180	ES_	-	-	16 +	333.58		376.51		1.48504	42.068	29.6		1.229469	1
293 294		19 15 14 L		10.522		1.071	ES EC		-	16 +	405.67 494.15		430.87 532.37		1.48504 1.48504	24.699 37.450	29.6 29.6		1,444849 1,383166	
295		29 11 38 L 5 6 6 L	100	19.532 4.455		0.099	ES_ ES	_	_		558.96		567.87		1.109788	8,771	29.5		0,561116	{
296		41 52 26 L		19.130		3,535	ES		-		594,96		631.50	m	2.240676	35,446	29.6		2.157813	

R-1(Gra	ind Etang)						ES:Exist	ing Super	elevation											
	PI STATION	1	R	T	Lc	E	e(%)	W(m)	V(koh)	Ρ	C	Þ	Υ	Topogapy	M	LC1	\$	<u>1</u>	Mt	Judge
1														Sight Ob.	LC1>=S	Inside Lane	V=30Km/h	Inside R	LCIKS_	3.5
297	16 + 649,149	8 40 8 L	50	3,790	7,565	0.143	ES	_	•	16 ≁	645.36	16+	652.92	rn	2.240676	7.338	29.6	48,5	0.979974	ok
298	16 + 770.081		400	15,202	30.390	0.289	ES	_		16 +	754.88	16 +	785.27		0.274799	30,276	29.6	398.5	0.274656	ок
299	16 + 870.566	3 54 12 R	400	13,630	27,250	0.232	ęs_	-	-	16 +	856.94	16 +	884,19		0.274799	27.148	29.6	398.5	0.272915	ok
300	17 + 128,315	35 21 29 R	65	20,718	40.112	3,222	ES	_	-	17 +	107.60	17 +	147.71		1.716931	39,187	29.6	63.5	1.543257	ок
301	17 + 212.002	63 46 4 R	55	34,213	61.213	9,773	ES	-	_	17 +	177.79	17 +	239.00		2.034081	59.543	29.6	53.5	0,164064	ок
EOP	17 + 287.004			0,000	0.000	0.000	ES	-	_	17 +	287.00	17 +	287.00		-2.85592	0.000	29.6	-1.5	0	ок
302	17 + 318,345	97 56 30 L	16	18.387	27.350	8.374	ES	8	30	17 +	299,96	17 +	327.31		6.919717	24,786	29.6	14.5	5,797218	Widening
303	17 + 355.392	8 5 47 R	50	3.539	7,055	0.125	ES	-	_	17 +	351.85	17 +	358.92	-	2.240676	6.853	29.6	48.5	0.923908	oĸ
304	17 + 408.256	51 29 26 R	35	16,878	31,454	3.857	es		-	17 +	391.38	17 +	422.83	m	3.216424	30.106	79.6	33.5	3,215563	ox
305	17 + 465,158	35 4 26 L	50	15.800	30.608	2.437	ES	-		17 +	449,36	17 +	479,97		2.240676	29.690	29.6	48.5	2.240656	ок
306	17 + 513.988	15 12 17 R	50	6.674	13,269	0.443	ES		-	17 +	507.31	17 +	520.58		2.240676	12.871	29.6	48.5	1,53294	ок
307	17 + 573,781	51 29 59 L	55	26,529	49,436	6,064	ES	-	-	17 +	547.25	17 +	596.69	<u> </u>	2.034081	48.088	29.6	53.5	1.296612	ок
308	17 + 733.391	6 10 43 R	55	2.968	5.931	0.080	EŞ		<u>-</u>	17 +	730.42	17 +	736,35		2.034081	5.769	29.6	53.5	0,719897	OK
309	17 + 762.726	4 1 20 L	55	1,931	3,861	0.034	ES	-	-	17 +	760.80	17 +	764.66		2.034081	3.756	29.6		0.486434	
310	17 + 814,243	4 43 55 L	55	2,272	4,542	0.047	ES		-	17 +	811.97	17 +	816.51		2.034081	4,418			0.565383	
311	17 + 871.885	13 32 54 L	55	6.533	13,005	0.387	ES	-	-	17 +	865.35	17 +	878.36		2.034081	12.651	29.6		1,373128	
312	17 + 954.063	12 30 12 R	150	16.432	32,734	0.897	ES	-	-	17 +	937.63	17 +	970.36	-	0.736898				0.730306	
313	18 + 27.590	9 55 49 R	150	13.031	25,997	0.565	EŞ	-	-	18 +	14.56	18 +	40,56		0.736898				0.724392	
314	18 + 87.175	3 7 44 R	150	4.097	8.191	0.056		. •	-	18_+	83.08	18_+	91,27		0.736898				0.348713	
315	18 + 304.391	88 2 13 R	20	19.326	30,731	7.812	ES	-	<u>-</u>	18 +	285.06	18 +	315.79		5.510926	28,426	29.6	18.5	5.604297	OK

	and Etang)						es:Exist	ng Super	elevation										,	,
PI NO.	PI STATION	1	R	T	Lc	Ε	e(%)	W(m)	V(kph)	P	С	Р	Τ [	Тородару	M	LC1	S	eī	Mt	Judge
														Sight Ob.	LC1>=S	Inside Lane	V=30Km/h	Inside R	LCIKS	3.5
316	18 + 388.670	36 19 23 L	90	29.524	57.056	4.719	ES		-	18 +	359.15	18 +	41 6.20		1,234633	56.105	29.6	88.5	0.278139	ОК
317	18 + 459,172	49 56 47 R	30	13.972	26.152	3,094	ES	-	-	18 +	445.20	18 +	471.35		3.757222	24.844	29.6	28.5	3,668516	ок
318	18 + 518,126	126 38 26 L	12	23.880	26.524	14.726	ES	8	30	18 +	494.25	18 +	520.77	m	8,813969	23.208	29.6	10.5	8,641152	Widening
319	18 + 585,892	10 35 8 L	100	9,264	18,475	0.428	ES	-	-	18 +	576.63	18 +	595.10		1.109788	18.198	29.6	98.5	0.945853	ок
320	18 + 767.632	67 57 57 R	40	26,963	47,449	8,239	ES	-	-	18 +	740.67	18 +	789,12	m	2.809816	45,670	29.6	38.5	2.084574	ок
321	18 + 844,927	16 17 45 L	150	21.476	42.662	1.530	ES	-	_	18 +	823.45	18 +	866.11		0.736898	42,236	29.6	148.5	0,603609	ок
322	19 + 54,229	33 52 50 L	25	7.615	1,4,783	1.134	ES	-	-	19 +	46.61	19 +	61.40		4.508409	13.896	29.6	23.5	3.307535	ОК
323	19 + 91.230	30 42 25 L	35	9.610	18.758	1.295	ĘŞ	-	-	19 +	81.62	19 +	100.38	ļ	3.216424	17,954	29.6	33,5	2,737378	ок
324	19 + 167.181	67 51 27 R	35	23,545	41.452	7.182	ES	<i>-</i>	-	19 +	143.64	19 +	185.09	m	3.216424	39.675	29.6	33.5	2.89215	ÓК
325	19 + 237.763	30 16 38 L	60	16.233	31,706	2.157	ES	-	-	19 +	221.53	19 +	253,24		1.862173	30.914	29.6	58.5	1,85861	ок
326	19 + 515.172	33 10 48 L	60	17.875	34.746	2.606	ES	<u>-</u> -		19 +	497.30	19.+	532.04		1.862173	33.877	29.6	58.5	1.824574	ок
327	19 + 595,724	43 2 48 R	50	19,719	37.565	3,748	ES	-	-	19 +	576.00	19 +	613.57	m	2.240676	36,438	29,6	48,5	2.127564	ОК
328	19 + 691.572	12 21 38 R	150	16.243	32.360	0.877	E\$	-	-	19 +	675,33	19 +	707.69		0.736898	32.036	29.6	148.5	0.73193	ox
329	19 + 748.655	4 1 28 R	150	5.270	10.536	0.093	ES	-	-	19 +	743.38	19_+_	753,92		0.736898	10.431	29.6	148.5	0.428115	OK
330	19 + 846,610	4 23 4 L	100	3.828	7,652	0.073	ES	-	-	19 +	842.78	19 +	850,43		1,109788	7.538	29.6	98.5	0,494059	OK
331		14 24 44 R		12.644		0.796	ES	·		16+	884.03	•	909,19		1,709788	24,777	29.6		1.08053	
332		12 21 7 R			21.558	0.584	ES		-	19 +	957.02		978.57		1,109768	21.235	29.6		1.021.65	
333		15 38 55 L		24,048		1.645	ES	-	-	20 +	55.84		103.64		0.630857	47,386	29.6		0.404579	
334 335	·	34 48 17 R 35 50 15 L		26.641 32.335		4.077 5.098	ES ES	-			148.57	20 +	200.20		1.109788	50.723 61.610	29.6 29.6		0.663278 -0.14636	

P=1(Gr	and Etang)								ES:Exist	ing Super	relevation			<u>.                                    </u>								
	PI STATION	i.	1		R	Т	l c	E	e(%)	W(m)	V(kph)	Р	C	F	T'	Topogapy	M	LOI	\$	rī	Mt	Judga
PINO.	PISIATIO	1	'		'`			_	"\"		1					Sight Ob.	LC1>=S	Inside Lane	V=30Km/h	Inside R	LCIKS	3.5
-		+		$\dashv$																		
336	20 + 327.86	23	51 41	L	50	10.565	20.823	1,104	ES_	<u> - </u>	<u> </u>	20 +	317.30	20 +	338,12		2.240676	20.198	29.6	48.5	2.019478	OK
		1								Ţ										] 		
EOP	20 + 349.00			1		0.000	0.000	0.000	ES			20 +	349.00	20_+	349.00		-2.85592	0.000	29.6	-1.5	1 0	JOK

R-1(Gra	nd Etang)							ing Super								1		-		<u> </u>
	PI STATION		R	T	Lo	€	e(%)	W(m)	V(kph)	P(	ן כ	ρ	r	Topogapy		LC1	<u> </u>	<u> </u>	Mt_	Judge
' ' ' ' ' ' '								<u> </u>						Sight Ob.	LC1>=S_	Inside Lene	V=30Km/h	inside R	LCIKS	3.5
																				-
				}				!	j				أممما		-2.85592	0.000	29.6	-1.5	0	ок
BOP	0 + 0.000			0.000	0.000	0.000	_ES_	<del> </del>	- '	0+	0.00	0.+	0.00		-2.60032	0.000	20.0		-	
					2 222	0.000	ES	1 _		0 -	6.71	0 -	6.71		-2.85592	0.000	29.6	-1.5	٥	ок
-1	0 - 6.714		-	0.000	0.000	0.000	<u> </u>	<del></del>			V., ,									
	0 - 55.852	48 18 31 R	40	17,938	33,726	3.838	ES	_	¦ - 1	0 -	37,91	0 -	71.64		2,809816	32,461	29.6	38.5	2.785435	lok
-2	0 - 33,632	46 16 31 17	<del>-</del>	17,200	00.720	0.000										l				ĺ
-3	0 - 109,191	36 1 58 L	50	16.262	31.445	2.578	ES	8	30	0 -	92.93	0 -	124.37	m	2.240676	30,501	29.6	48.5	2,238683	widening
								-								00.017	20.0	#0 C	2.119146	OK.
-4	0 - 162.484	26 43 7 R	50	11,874	23,316	1.391	ES			<u> 0 -</u>	150,61	0 -	173.93		2.240676	22.617	29.6	46.3	2.119140	OK.
								Ì	1				100.24		2.240676	11.855	29.6	48.5	1,443396	ок
-5	0 - 192,258	14 0 16 R	50	6,141	12.221	0.376	ES	<del>-</del> -	-	<u> </u>	186.12	<u></u>	198.34		2,240070	11.033	2,0,0	49.0		
									_ '	0 -	223,31	۸-	253.63		1.308187	29.790	29.6	83.5	1.308133	oĸ
-6	0 - 238.633	20 26 29 R	85	15,326	30,325	1,371	ES_	+-	<del></del>		2.20,01		2.00.00		1					
	A 067.007	14 5 56 L	50	6183	12.304	0.381	£\$	_		0 -	261.10	0 -	273.41		2.240676	11.934	29.6	48,5	1,450637	ok
-7	0 - 267.287	14 3 36 L	<del>  3</del> 0	0.100	12.304	V.00 T							-							,
-8	0 - 330,186	44 3 54 L	75	30,351	57.681	5.909	ES_			0 -	299.83	0 -	357.52		1.48504	56.527	29.6	73,5	0.316958	ok
													1						0.543114	OK
-9	0 + 451.341	9 35 52 R	200	16,791	33.503	0.704	ES			0 -	434.55	0 -	468.05		0.551482	33.251	29.6	198.5	0.543114	UK
				1		_					CAP 43		610.15		0.551482	10.601	29.6	1985	0.324405	ок
-10	0 - 512,814	3 3 36 L	200	5.342	10,681	0.071	ES	<del></del>	<del></del>	, , , , , , , , , , , , , , , , , , ,	507.47	V -	518,15		0.001402	10.001		100:5		
1				00.750	46.642	2.782	ES	-	_	0 -	556.31	0-	602.95		1.109788	45.943	29.6	98.5	0.778043	ок
-11	0 - 580.064	26 43 27 R	100	23.753	46.042	7.102	ES			<u>`</u> _	-000.01	Ť						1		
	0 - 559 750	74 27 48 R	20	15.198	25,993	5.119	ES	_	-	0 -	653.56	0 -	679,55		5,610926	24,043	29.6	18.5	5,451433	OK
-12	0 - 906.733	14 27 40 0	7.0	10,100	2,0,000	V.11.44										1	]			j
-13	0 = 727.461	31 5 30 L	25	6.955	13.566	0.949	ES		-	<u> 0 -</u>	720.51	0 -	734.07		4,508408	12.752	29.6	23.5	3,117381	OK
	7,2,7,0,7											ĺ	ĺ	House	İ			 		i
-14	0 - 758.876	29 35 51 L	_50	13,209	25.829	1.715	6\$			0 -	745.67	0	771.50		2,240676	25,054	29,5	48.5	2.189397	Widening
							İ	-						}	0010030	10.100	29.6	405	1.552656	OK
-15	0 - 814,022	15 28 45 L	50	6.795	13,508	0.460	ES	<b>├</b> -	-	0 -	807.23	0 -	820.73		2.240676	13.103	29.6	40.5	1.552,650	OK .
1			l						_	<b>.</b>	847.03	0-	853,55		4.508408	6,123	29.6	23.5	1.724126	ок
-16	0 - 850,307	14 55 45 L	25	3.276	6.514	0.214	ES	-	<del>                                     </del>		047.03	<u>~_</u>	000,00		4.000,400	0,120	,,,,,,			
.,,	0 - 906.056	27 36 20 R	75	18.426	36.136	2.230	ÉS	_	l -	0-	887.63	0_~_	923.77	·	1.48504	35,413	29.6	73.5	1,429061	OK .
-17	0 - 900,000	27 30 20 5	1	10.420	30.130	2200									T			İ	[	1
-18	- 1 - 23.668	30 23 26 L	125	33.951	66,302	4.529	ES			0 -	989.72	- 1 -	56.02		0.885741	65,506	29.6	123.5	-0.3879	ОК
				i			i	1	1					-						
-19	- 1 - 93.569	8 51 4 R	125	9.674	19.310	0.374	ES_	<u> </u>		- 1 -	83.89	- 1 -	103.20	<b>_</b>	0.885741	19.078	29.6	173.5	0.774166	OK
							ļ								0.005347		20.5	1005	0.749472	or
-20	- 1 - 119.561	8 20 19 L	125	9,112	18,192	0.332	ES	-	-	- 1 -	110.45	- 1 -	128.64	<del></del>	0.885741	17.974	29.6	123.3	U. 143412	108
	1			1						1 .	1005-		220.20	1	1,445957	57.628	29.6	75.5	0.212423	ok
-21	- 1 - 211,411	43 44 O R	77	30.902	58,773	5,969	<u>E\$</u>	<del> </del>	<del>  -</del>	<del>- ' -</del>	180.51	-1-	239.28	<del></del>	1,-44,0007	31.028	29.9	13.5	U.L. I E-PEU	
									_	_ 1 -	265.80	- 1 -	322.46		1.48504	55,535	29.6	73.5	0.399772	ОК
-22	- 1 - 295.559	43 17 29 L	7.5	29.764	_56.668	5,690	E.S.	+	<del>                                     </del>		200.00								i	
500	- 1 - 388.464	1		0.000	0.000	0.000	£S.	_	_	- 1	388,46	- 1 -	388.46	Ĺ	-2.85597	0.000	29.6	-1.5	Lc	OK
EOP	1 - 1 - 000.404	·		0.000	V.000	0.000	1 40													

Road No.2

Morne Jaloux Road

# A11-49

# TABLE OF COORDINATES AND CURVE ELEMENTS.

1-2(Mo	rne Jaloux)								,						relevation	D/	•	P	<del></del>
I NO.	COORD	INATES	PI ST	ATION	AZIMUTH	DIST.		l	R	T	Lc	E	e(%)	W(m)	V(kph)	P(	ر		,
	NORTHING	EASTING	1																
		•										1							
BOP	1,332,083,146	428,377.536	0+	0	54 34 24	13.754													
1	1,332,075,173	428,366,328	0+	13.754			24	38 R	25	5.343	10.527	0.565	E\$			0 +	8.41	0 +	18.
		428,327.037	0 +	53.664	78 41 56	40.068	6 29	9 50_L_	50	2,838	5.670	0.080	ES			0+	50.83	0 +	5€
2	1,332,067.321				72 12 3	77.581			100	2.185	4,369	0.024	·E\$	-	.	0 +	129.05	0 +	133
3	1,332,043.606	428,253.170	0 +	131,238	74 42 16	30.667	2 30	) 12 R	100	2.100	4,305								
4	1,332,035,516	428,223,589	0 +	161.905				3 24 L	50	4.216	8.412	0,177	ES	-		0 +	157,69	0+	1,66
5	1,332,021,251	428,192,929	0.+	195,697	65 3 50	33.812		7 53 L	50	9.402	18,586	0.876	ES_		-	0+	186.30	0 +	504
	٠.			224.609	43 45 58	29.129		9 15 L	50	9.864	19.479	0.964	ES		-	0 +	214.74	0+	234
€	1,332,000.225	428,172,780	V +	274.003	21 26 4	34,371					10.020	A 40 E	ES	T .		0 +	251.75	0 +	263
7	1,331,968.234	428,160,213	0+	258,729	5 32 51	43,128	15 50	3 46 L	50	6,981	13.872	0.485	ES		1				
8	1,331,925,308	428,156.042	0+	301.768				9 30 R	50	8,888	17.591	0.784	ES	<del>  -</del>		0 +	292.88	0 +	31
9	1,331,896,469	428,142.159	0 +	-333,591	25 42 2	32,007	11 4	5 25 L	50	5.148	10.260	0.264	ES	-		0_+	328.44	0 +	33
						34.761	32 4	0 26 1	50	14,728	28.647	2.124	£S_	-	- 1	0+	353,59	0 +	38
10	1,331,862,733	428,133,778	0 *	368.316	341 7 2	45.613									_	0 +	395.79	0 +	41
11	1,331,819,573	428,148,535	0 +	413,179	210 41 4	42,700		5 41 L	8	17.32 <u>5</u>	18.211	11,083	ES	<del>  -</del>	<del>                                     </del>	<u> </u>	393.73		
12	1,331,856,291	428,170.332	0 +	439,381	210 41 4		8 2	5 7 R	25	1.840	3,673	0.068	ES		<u> </u>	0 +	437.54	0 +	44
**	1,331,903,885	428,209,301	0.4	500,887	219 18 3	61.512		9 35 <u>R</u>	25	4.257	8,433	0.360	es_	_		0 +	495.63	0 +	50
13					238 7 5	26.274			25	6.950	13.557	0.948	εs	_	_	0 +	520.19	<b>0</b> +	53
14	1,331,917.757	428,231,614	0 +	527.138	269 30 4	26.295		4 12 R	25	0.930					1				
15	1,331,917,981	428,257,908	0 +	553.091				5 16 R	25	3.682	7.311	0.270	<u>EŞ</u>		-	0 +	549.41	0 +	55
16	1,331,907,889	428,292,499	0 +	589.071	286 15 5	36.033		8 25 R	25	15,312	27.477	4,317	ES	-		0 +	573.76	<u>^</u> +	60
	1 001 050 750	428,302.979		642.048	349 14 1	56.123		7 37 L	50	11.986	23.527	1.416	ES		-	0 +	630,06	0 +	55
17	1,331,852,753	426,302.973			322 16 4	59.428						0.071	ES	] _		0 +	698.36	0+	70
18	1,331,805.746	428,339.338	0 +	701.031	328 23	60.40		6 19 R	50	2.666	3.320	0.071							
19	1,331,754,305	428,371,005	5 0 +	761.433	2		9	5 14 R	50	3,973	7.930	0.158	ES	<del>  -</del>	-	0 +	757.46	0 +	76
20	1,331,724,220	428,383,485	5 0+	793.987	337 28 1	32.57	15 5	4 2 R	50	6.983	13.876	0.485	ES_	<u> </u>		0 +	787.00	0 +	80
			1		353 22 1	6 24.325		8 58 R	50	6.797	13.511	0.460	ES	_		0 +	811.42	0+	82
21	1,331,700.058	428,386,293	<del>1</del> 0 +	818.222	8 51 1	33.440	<u> </u>									0.4	046.85	0+	85
22	1,331,667,011	428,381.145	5 0 +	851 585		4 40.668	10 4	8 2 L	50	4.727	9,425	0.223	EŞ	-	<del>-</del> -	0 +	846,86	V. <del>V</del>	
23	1,331,626,366	428,382.52	6 0+	892.225	358 3 1		4 5	7 55 R	50	2.168	4,333	0.047	ES	<del>-</del> -	<u> </u>	0.+	890.06	0+	89
24	1,331,522,702	428,377,05!	9 0+	996.031		8 103,80		0 29 <u>L</u>	120	13,504	26.895	0.757	ES	-		0+	982.53	1 +	

# A11-50

#### TABLE OF COORDINATES AND CURVE ELEMENTS

PI NO.	rne Jaloux) COORD	INATES	PLST.	ATION	AZIMUTH	DIST.		T	R	T	Lc	E	e(%)	ing Super W(m)	V(kph)	Р	C	P	7
	NORTHING										<u> </u>								
					252 42 52	100 500													
25	1,331,420,717	428,394,717	1+	99.420		103,502	14	3 44 R	50	6.167	12.272	0.379	ES	<u>-</u>	_	1 +	93,25	7 +	105
26	1,331,385,750	428,392.125	1 +	134,421		35,063		51 46 L	50	6.078	12.098	0.368	ES	<u> </u>	-	1 +	128.34	1 +	140.
27	1,331,264,365	428,412.706	1 +	257,479		123.117		14 12 L	50	8,473	16.787	0.713	ES			1 +	249.01	1 +	265
28	1,331,228.816	428,432,297	1+	297,909		40.590		29 <b>28 R</b>	_50	3,273	6.537	0.107	ES	-	-	1 +	294.64	1_+	301
29	1,331,152.871	478,462.012	1.+	379,451		81.551		53 24 R	70	13.537	26.744	1.297	ES	_		1.+	365,91	7 ◆	392
30_	1,331,102.574	428,461,554	1+	429.420		50.299	30	17 3 <u>L</u>	25	6.765	13.214	0,899	ES	<u> </u>	-	† +	472.65	1+	435
31	1,331,061,174	428,485.228	1+	476,795	-	47,691		6 13 L	75	18,772	36,788	2,313	ES	_	_	1 +	458.02	1 +	494.
32	1,331,033,218	428,529.736	1+	528.598		52,559	30 (	21 7 R	50	13.562	26,487	1.807	E\$	-	-	1 +	515.04	1 +	541
33	1,330,969.128	428,563.119	. 1+	600.224		72 263		22 18 R	50	5,861	11.669	0.342	ES	-	-	1 +	594.36	1 +	606
34	1,330,932,983	428,572,227	1 +	637,446		37.275	6 :	51 21 L	50	2.995	5,983	0.090	ES	-		1+	634,45	1 +	640
35	1,330,914,085	428,579.481	1+	657,681	339 0 2	20,242		14 54 L	50	2.073	4,144	0.043	ES	-	-	1 +	655.61	1 +	659
36	1,330,892.597	428,589,844	1 +	681.535		23.856	6 3	00 31 L	50	2.843	5,680	0.081	ES		-	1 +	678.69	1 +	684
37	1,330,835,743	428 625 725	1 +	748,758		67.230		4 5 L	25	1.362	2.720	0.037	ES	-	-	1 +	747.40	1 +	750.
38	1,330,794,369	428,658.623	- 1 +	801.615		52.859		2 19 R	25	4,454	8,816	0.394	ES	-		1 +	797,16	1 +	805
39	1,330,766,521	428,667.825	1 +	830,851	341 42 52	29.329	•	7 6 R	25	4.023	7,978	0.322	E\$	-	•	1 +	826,83	1 +	834
40	1,330,750,988	428,667.825	·- 1 +	846,316		15,533	10 2	1 39 L	50	4,533	9.042	0.205	E\$		-	1 +	841.78	1 +	850,
41	1,330,724,064	428,672,748	1 +	873.662	349 38 17	27.370	10	9 16 L	30	2.665	- 5.317	0.118	es	-	-	1 +	871.00	7 +	876,
42	1,330,694.292	428,683.888	1+	905.436		31,788	15	5 2 L	30	3.972	7,898	0,262	ES	-	-	1+	901.46	1+	909.
43	1,330,660,637	428,707.982	1 +	946,780	324 24 2	41,391	8 4	3 53 L	25	1.909	3,810	0.073	ES_	_	-	1 +	944.87	1 +	948.
44	1,330,622.110	428,727.500	1 +	989.962	333 7 59	43.189				0.000	0.000	0.000				1 +	989.96	1 +	989.
14'(BOP)	1,330,622,110	428,728.030	1	989,962	270 0 0	0.530				0.000	0.000	0.000	_						
45	1,330,549.570	428,730.956	2+	62,561	357 41 25	72.599	9 5	7 4 L	50	4,353	8.684	0.189	ES			2 +	58.21	2 +	66.
46	1,330,475,563	428,747,781	2 +	138,434	347 11 31	75,895	12 4	4 18 L	50	5.581	11.116	0.311	£\$	-		2.+	132.85	2 +	143.
47	1,330,445,774	428,762.968	2 +	171.825	332 59 12	33,437	29	4 12 L	80	20.742	40.589	2.645	ES	_	-	2 +	151.08	2 +	191.
48	1,330,420,986	428,799,833	2 +	215.355	303 55 1	44.424	.26 4	2 25 R	50	11.869	23.306	1.389	ES	-		2 +	203.49	2 +	226.

# A11-51

#### TABLE OF COORDINATES AND CURVE ELEMENTS

R-2(Mo	rne Jaloux)				<u> </u>						ES Exist	ing Super	elevation			
PI NO.	COORD		PI STATI	ONAZIMUTH	DIST.		R	Т	Lc	E	e(%)	W(m)	V(kph)	PC	PT	
	NORTHING	EASTING										<u> </u>				
				330 37 28	56.924		1									_
49	1,330,371.381	428,827.756	2 + 271	848 316 36 25	23,805	14 1 1 1	50	6.147	12.232	0.376	ES	-		2 + 265.	70 2 + 2	<u> 277.9</u>
50	1,330,354,083	428,844,110	2 + 295	591		5 28 2 R	50	2.387	4,771	0,057	ES	<u> </u>		2 + 293.	20 2 + 2	<u> 297.9</u>
51	1,330,319.454	428,871,093	2 + 339			9 0 34 5	300	23.635	47.173	0.930	ES		-	2 + 315.	85 2 + 3	363.0
52	1,330,173,602	428,951.655	2 + 506	013 5 <u>S</u>	166,622	10 52 35 L	2.5	2.380	4.746	0.113	ES	_	_	2 + 503.	63 2 + 5	508,3
53	1,330,143.439	428,969.634	2 + 541	329 12 S	35.115	27 11 31 R	55	13.302	26,102	1.586	ES	_	_	2 + 528	12 2 + 5	554.2
54	1,330,120,441	428,968.475	2 + 563	2 53 6	23.027				8.329		ES		_	2 + 559		568.1
				11 30 43	61.146							_				
55	1,330,060,525	428,956,272	2 + 625	082   345 38 53	37.934	25 40 13 L	55	12.531	24.642	1.409	88	-	-	2 * 612.	55 2 + 6	637,1
56	1,330,023.775	428,965.675	2 + 662	595 339 1 16	46,044	6 37 32 L	50	2,894	5.782	0.084	ES	-	-	2 + 659	70 2 + 6	665.4
57	1,329,980,783	428,982,160	2 + 708	633		7 49 57 1	50	3,423	6.835	0.117	ES	-	-	2 + 705.	21 2 + 7	)12.0
58	1,329,917,026	429,016,314	2 + 780	331 49 21 958	72.329	58 30 24 R	50	28,005	51.057	7.309	ES		-	2 + 752.	95 2 + 8	804.0
59	1,329,814.447	428,953.964	2 + 896	31 17 32	120,042	   15 29 36 R	50	6.802	13.520	0.461	ES	_	-	2 + 889.	24 2 + 3	902.7
60	1,329,794.173	428,932.851	2 + 925	46 9 41	29,271	6 53 51 R	50	3.013	6,019	0.091	ES			2 + 922.	22 2 + 9	928.2
				53 3 35	20.844											
61	1,329,781.646	428,916.191	2 + 946	74 8 47	16,290				7.360	0.343	ES	-	-	2 + 942.		949.7
62	1,329,777.196	428,900.521	2 + 962	276 48 38 25	34.824	25 30 16 L	10	2.253	4.451	0.253	ES	-	-	2 + 960.	01 2 + 9	964.4
63	1,329,754.185	428,874,383	2 + 997.			45 32 40 L	60	25.187	47,694	5.072	ES	*	-	2 + 971.	84 3 +	19.5
64	1,329,702.000	428,871.560	3 + 46.	606		3 26 43 L	50	1.504	3,007	0.023	ES	-		3 + 45.	10 3+	43.1
65	1,329,629,109	428,872,194	3 + 119	359 30 6	72.894	5 21 42 R	300	14.047	28.074	0.329	ES	5.4	30	3 + 105.	45 3 + 1:	33.52
66	1,329,569,080	428,867,584	3 + 179	4 23 29 584	60.206	7 43 47 R	300	20.267	40.473	0.684	ES	5.4	30	3 + 159.	42 3 + 1:	199.85
67	1,329,487.091	428,849,431	3 + 263.	12 29 4	83,975	78 55 2 L	20		27.547	5.904	ES	5.4	30	3 + 247.		74.6
				293 48 22	59.102											
68	1,329,463,235	428,903.504	3 + 317.	304 43 20	110.820	10 55 0 R	30		5,716	0.137	ES	5.4	30	3 + 314.		20.1
69	1,329,400,112	428,994,590	3 + 428.	24 350 43 53	23,252	46 0 41 R	30	12,738	24.092	2.592	ES	5,4	30	3 + 415,3	39 3 + 40	39.48
70	1,329,377,164	428,998,335	3 + 449.	91		34 35 45 R	25	7.786	15.095	1,184	ES	5.4	30	3 + 442.3	21 3 + 45	57.30
71	1,329,364.966	428,992,561	3 + 463.			48 44 11 R	5	2.265	4.253	0.489	ES	5.4	30	3 + 460.	75 3 + 46	65.00
72	1,329,360,141	428,975.658	3 + 480.	113	17.578	52 38 18 R	20	9.893	18.374	2.313	ÉS	5.4	30	3 + 470.4	12 3 + 48	88.79
73	1,329,371,395	428,960.562	3 + 497	126 42 16	18.829	7 21 50 L	20	1.287	2,570	0.041	ES	5.4	30	3 + 496.4	14 3 + 49	99.01

# TABLE OF COORDINATES AND CURVE ELEMENTS

-2(Mn	rne Jaloux)															ing Super				Р	<del>-</del>
NO.	COORD	INATES	PLST	ATION	AZI	MUTH	DIST.		1	-	R	T	Lc	Ε	e(%)	W(m)	V(kph)	P		٦	i
NO.	NORTHING		' ' <b>Ŭ</b> '	, , , , , ,						İ		i	. [								
	NORTHING	EASTING	-																-		
			<b>—</b>		114	25 26	36,700							0.937	ES	5.4	30	3 +	524,84	3 +	5
74	1,329,386.570	428,927,146	3 +	534.562			30.612	22	0_4	2 L	50	9.724	19,209	0.937	E.S	7.4					
	1,329,385,240	428,896,563	2 +	564,934		30 36	30.012	10 (	31 1	0 R	25	2.301	4.590	0.106	ES	5,4	30	3 +	562.63	3 +	. 5
75	1,329,363.240	428,830.00			96_	34 41	21.002				2	2 660	7.268	0.266	ES	5.4	30	3 +	582.26	3.+	5
76	1,329,387.646	428,875,699	3 +	585,923		14 0	31.505	16 3	39 2	6 R	25	3,660	7.2001	0.200	[3	0.4				_	
77	1,329,400,074	428,846.749	3 +	617.377		14 0	01.000	10	10 5	55 L	25	2.227	4.443	0.099	ES	5.4	30	3 +	615.15	3 +	_
· · · · · · · · · · · · · · · · · · ·	1,323,400,074	12,0,0 10.1.	<b>—</b>		103	3 10	21.165				25	2.073	4.136	0.086	ES	5.4	30	3 +	636.46	3 +	e
78	1,329,404.854	428,826.131	3 +	638.530		34 27	18.511	9_2	28 4	15 <u>L</u>	20	2.073	4.130	V.V6V		1					
79	1.329.406.008	428,807.656	3 +	657.031		U-V 2.1		12 :	39_2	77 L	25	2.773	5.523	0.153	ES_	5.4	30	3 +	654.26	3 +	
					80	<b>55</b> 3	20,880	28	rn .	47 )	25	6,441	12.608	0.816	ES	5.4	30	3.+	671.45	3 +	•
30	1,329,402,712	428,787,038	3 +	677.889	1 52	1 15	26,785	-20	20 4	• · L		V.7-1	. (2.000								
81	1.329.386.229	428,765.925	3 +	704.400	2			13	15	3 R	25	2.904	5.782	0.168	ES_	5.4	30	3 +	701.50	3 +	
				705 050		16 19	20.884	18	58 4	16 R	25	4,179	8.282	0.347	ES	5.4	30	3 +	721.08	3 •	
<u>82</u>	1,329,377.493	428,746,956	3 +	725. <b>25</b> 8		15 14	23,043		70 .	13 15	27								743.59	3 +	
83	1,329,375,186	428,724,029	3 +	748,224					1_2	23_L	25	4.639	9,173	0.427	ES	5.4	30	3 +	743,59	.3	
		428,707.039	2 +	767,149		13 49	19.030	16	15 3	37 B	25	3.571	7.095	0.254	ES	5.4	30	3 +	763,58	3 +	_
84	1,329,366,615	428,707.035	<del>-3 -</del>	707,148		29 21	39.759		<u>,</u>		!					5.4	30	3 +	803.18	3 +_	,
85	1,329,359,362	428,667,947	3 +	806.860			A1 655	16	451	10 L	25	3.681	7.310	0.270	ES	5.4	30		900.16		_
	1 329 340 280	428,630,920	3 +	848.462		44 8	41.655		39 2	26 R	100	8,448	16,855	0.356	ES_	5.4	30	3 +	840,01	3 +	
86	1,329,340.280	420,000.920			72	23 24	40.855					4.670	7.523	1.848	ES	5.4	. 30	3 +	884.60	3+	
87	1,329,327.920	428,591.980	3 +	889.27		1313	11.923	86	12 1	13 L	5	4,679	1,323	1.040	-53						
88	1 329 31 6 340	428,594,820	3 +	899.36	1			96	22 2	21 L	5	5.589	8,410	2,499	ES	5.4	30	3 +	893,77	3 +	_
***		1. 1.	T	241.65		49 20	44.501	62	24 1	37 R	30	18.172	32.678	5.075	ES	5.4	30	3 +	972.92	3 +	
89	1,329,331,690	428,636,590	3 +	941.09		1333	36,728		c.**	<u>۰/ ۱۹</u>	"	10,776							000 70		
90	1,329,307,007	428,663,78	7 3 +	974.15	3		1	16	50	8 R	30	4.440	8,815	0.327	<u>ES</u>	5.4	30	3 +	969.72	3 +	
	1.50 -			2467		3 50	60,580		21 4	40 R	50	29.078	52,675	7.841	ES	5,4	30	4 +	5.60	4 +	_
91	1,329,255,045	428,694 930	4+	34.67		25 30	67.010				-						-		60.50	4 +	
92	1,329,196.679	428,662.009	4 +	96.20	3				43 '	10 L	50	3.812	7.609	0.145	ES	5.4	30	4 +	92.39	4.5	_
					_	20 40	44,100	1						ļ							
PO -	1,329,156,500	428,643,830	J) 4 🕈	140.289	<u> </u>			I													

Table Location of Temporary Bench Mark (Road No. 2 Morne Jaloux Road - 1)

		oorary Bench Mark (		
No.	Elevation	Coordi		Remarks
		North	East	
1	129.06	1,332,083.15	· ·	BOP 0+000
2	130.00	1,332,079.04	428,382.34	
3	142.82	1,332,035.04	428,219.95	
4	147.39	1,332,013.27	428,181.98	
5	151.39	1,331,977.74	428,161.87	
6	158.09	1,331,926.23	428,157.83	
7	168.88	1,331,822.92	428,144.71	
8	178.55	1,331,892.56	428,195.93	
9	184.39	1,331,920.25	428,235.24	
10	190.79	1,331,909.88	428,288.34	
11	196.08	1,331,854.66	428,300.06	
12	200.86	1,331,803.38	428,338.26	
13	203.41	1,331,733.97	428,382.14	
14	206.51	1,331,651.01	428,384.55	
15	211.36	1,331,491.11	428,379.45	
16	212.57	1,331,431.63	428,396.57	
17	209.46	1,331,332.08	428,402.74	
18		1,331,281,40	428,407.45	
19	201.17	1,331,243.71	428,426.71	
20	198.94	1,331,196.30	428,446.92	
21	196.31	1,331,162.57	428,459.42	
22	188.74	1,331,113.10	428,459.77	
23	185.29	1,331,066.18	428,481.78	
24	187.51	1,331,025.76	428,535.75	
25	183.70	1,330,987.66	428,556.20	
26		1,330,918.36	428,575.39	
27	170.07	1,330,792.18	428,662.38	
28		1,330,708.62	428,675.04	
29		1,330,628.98	428,727.06	
30		1,330,566.35	428,727.16	
31	161.83	1,330,461.52	428,752.28	
32		1,330,415.17	428,800.91	
33	•	1,330,343.32	428,855.10	
34		1,330,184.56	428,942.34	<u> </u>
35		1,330,150.40	428,974.30	
36		1,330,048.69	428,957.35	1
37	1 '	1,329,919.40	429,010.39	
38	1	1,329,849.40	428,978.10	
39		1,329,791.47	428,933.64	
40		1,329,767.70	428,881.25	1
41		1,329,697.71	428,869.42	
42		1,329,616.90	428,874.20	
43		1,329,496.92	428,850.66	
43	1	1,329,456.43	428,911.79	
45		1,329,403.67	428,989.90	
46		1,329,378.55	428,999.13	ļ
47		1,329,360,87	428,986.40	
48	1	1,329,389.44	428,876.96	
49		1,329,377.25	428,946.98	
50	108.70	1,329,407.66	428,801.74	<u></u>

Table Location of Temporary Bench Mark (Road No. 2 Morne Jaloux Road -2)

No.	Elevation	Coordinat	ion	Remarks
		North .	East	
51	102.10	1,329,382.37	428,762.63	
52	84.38	1,329,358.04	428,660.75	
53	80.13	1,329,318.19	428,590.47	
54	76.47	1,329,328.99	428,628.76	
55	73.01	1,329,317.38	428,655.52	
56	69.40	1,329,262.79	428,686.58	
57	67.58	1,329,232.13	428,683.21	
58	57.37	1,329,179,01	428,710.68	
59	58.25	1,329,156.50	428,643.83	EOP 4+140.289
60	56.70	1,329,242.82	428,655.06	