資料C　技術資料

C-1　道路インベントリー調査結果

C-2　舗装構造及び路床強度調査結果

C-3　交通量調査結果

C-4　第２プライオリティとなった道路の改修計画案

C-1 道路インベントリー調査結果 (1/5)

Name of Road	Av.de l'Indépendance	Route No.	1
Distance	0.0 — 0.5 — 1.0 — 1.5km		
Drainage	L-side ditch & Catch pit		
Shoulder or Sidewalk	Sidewalk		
Carriageway Pavement Condition(PSI)	3.5 / 3.5 / 3.5		
Shoulder or Sidewalk	Sidewalk		
Drainage	L-side ditch & Catch pit		

Name of Road	Esplanade de l'Av.de l'Indépendance	Route No.	2
Distance	0.0 — 0.5 — 1.0 — 1.5km		
Drainage			
Shoulder or Sidewalk	2 / 2 / 1		
Carriageway Pavement Condition(PSI)			
Shoulder or Sidewalk	2 / 2 / 1		
Drainage			

Name of Road	Av.26 Juin 1960	Route No.	3
Distance	0.0 — 0.5 — 1.0 — 1.5km		
Drainage	L-side ditch		
Shoulder or Sidewalk	Sidewalk		
Carriageway Pavement Condition(PSI)	3 / 3 / 3		
Shoulder or Sidewalk	Constructed by AGETIPA		
Drainage	L-side ditch & Catch pit		

Name of Road	Rue Lucciardi	Route No.	4
Distance	0.0 — 0.5 — 1.0 — 1.5km		
Drainage	L-side ditch & Catch pit		
Shoulder or Sidewalk	Sidewalk		
Carriageway Pavement Condition(PSI)	3		
Shoulder or Sidewalk	Sidewalk		
Drainage	L-side ditch & Catch pit		

Name of Road	Av.Andrianampoinimerina	Route No.	5
Distance	0.0 — 0.5 — 1.0 — 1.5km		
Drainage	L-side ditch & Catch pit		
Shoulder or Sidewalk	Sidewalk		
Carriageway Pavement Condition(PSI)	3 / 3 / 3 / 3		
Shoulder or Sidewalk	Sidewalk		
Drainage	L-side ditch & Catch pit		

道路インベントリー調査結果 (2/5)

Name of Road	Artères secondaires de l'Av.de l'Indépendance	Route No.	6
Distance	0.0 — 0.5 — 1.0 — 1.5km		
Drainage	L-side ditch & Catch pit		
Shoulder or Sidewalk	Sidewalk		
Carriageway Pavement Condition(PSI)	1.0 / 1.5 / 1.0 / 1.5		
Shoulder or Sidewalk	Sidewalk		
Drainage	L-side ditch & Catch pit		

Name of Road	Av.Rainibetsimisaraka	Route No.	7
Distance	0.0 — 0.5 — 1.0 — 1.5km		
Drainage	L-side ditch & Catch pit		
Shoulder or Sidewalk	Sidewalk		
Carriageway Pavement Condition(PSI)	2 / 2		
Shoulder or Sidewalk	Sidewalk		
Drainage	L-side ditch & Catch pit		

Name of Road	Rue Pierre Camo	Route No.	8
Distance	0.0 — 0.5 — 1.0 — 1.5km		
Drainage	L-side ditch & Catch pit		
Shoulder or Sidewalk	Sidewalk		
Carriageway Pavement Condition(PSI)	2		
Shoulder or Sidewalk	Sidewalk		
Drainage	L-side ditch & Catch pit		

Name of Road	Rue Dr. Villette	Route No.	9
Distance	0.0 — 0.5 — 1.0 — 1.5km		
Drainage	L-side ditch & Catch pit		
Shoulder or Sidewalk	Sidewalk		
Carriageway Pavement Condition(PSI)	3 / 3		
Shoulder or Sidewalk	Sidewalk		
Drainage	L-side ditch & Catch pit		

Name of Road	Rue Rakotonirina Stanislas	Route No.	10
Distance	0.0 — 0.5 — 1.0 — 1.5km		
Drainage	L-side ditch & Catch pit		
Shoulder or Sidewalk	Sidewalk		
Carriageway Pavement Condition(PSI)	3 / 3		
Shoulder or Sidewalk	Sidewalk		
Drainage	L-side ditch & Catch pit		

道路インベントリー調査結果 (3/5)

Name of Road	Rue Indira Gandhi	Route No.	11
Distance	0.0	0.5	1.0 1.5km
Drainage	L-side ditch & Catch pit		
Shoulder or Sidewalk	Sidewalk		
Carriageway Pavement Condition(PSI)	3		
Shoulder or Sidewalk	Sidewalk		
Drainage	L-side ditch & Catch pit		

Name of Road	Rue Ranaivo	Route No.	12
Distance	0.0	0.5	1.0 1.5km
Drainage	L-side ditch & Catch pit		
Shoulder or Sidewalk	Sidewalk		
Carriageway Pavement Condition(PSI)	3		
Shoulder or Sidewalk	Sidewalk		
Drainage	L-side ditch & Catch pit		

Name of Road	Rue Ingereza	Route No.	13
Distance	0.0	0.5	1.0 1.5km
Drainage	L-side ditch & Catch pit		
Shoulder or Sidewalk	Sidewalk		
Carriageway Pavement Condition(PSI)	2.5		
Shoulder or Sidewalk	Sidewalk		
Drainage	L-side ditch & Catch pit		

Name of Road	Av. Jean Ralaimongo	Route No.	14
Distance	0.0	0.5	1.0 1.5km
Drainage	L-side ditch & Catch pit		
Shoulder or Sidewalk	Sidewalk		
Carriageway Pavement Condition(PSI)	4 3 3		
Shoulder or Sidewalk	Sidewalk		
Drainage	L-side ditch & Catch pit		

Name of Road	Rue Kotavy	Route No.	15
Distance	0.0	0.5	1.0 1.5km
Drainage			
Shoulder or Sidewalk			
Carriageway Pavement Condition(PSI)	2.5 2.0 3.0 2.0 2.0		2.0 1.5 1.5
Shoulder or Sidewalk			
Drainage			

道路インベントリー調査結果 (4/5)

Name of Road	Rue Rakoto de Monplaisir	Route No.	16
Distance	0.0	0.5	1.0 1.5km
Drainage	L-side ditch & Catch pit		
Shoulder or Sidewalk	Sidewalk		
Carriageway Pavement Condition(PSI)	3 3 3		
Shoulder or Sidewalk	Sidewalk		
Drainage	L-side ditch & Catch pit		

Name of Road	Rue James Ratsima	Route No.	17
Distance	0.0	0.5	1.0 1.5km
Drainage	L-side ditch & Catch pit		
Shoulder or Sidewalk	Sidewalk		
Carriageway Pavement Condition(PSI)	1 2		
Shoulder or Sidewalk	Sidewalk		
Drainage	L-side ditch & Catch pit		

Name of Road	Rue Dr. Rahamefy	Route No.	18
Distance	0.0	0.5	1.0 1.5km
Drainage	L-side ditch & Catch pit		
Shoulder or Sidewalk	Sidewalk		
Carriageway Pavement Condition(PSI)	1.5		
Shoulder or Sidewalk	Sidewalk		
Drainage	L-side ditch & Catch pit		

Name of Road	Rue Dr. Rajaonah	Route No.	19
Distance	0.0	0.5	1.0 1.5km
Drainage	L-side ditch & Catch pit		
Shoulder or Sidewalk	Sidewalk		
Carriageway Pavement Condition(PSI)	4 3 3 2		
Shoulder or Sidewalk	Sidewalk		
Drainage	L-side ditch & Catch pit		

Name of Road	Rue Rev. P. Callet	Route No.	20
Distance	0.0	0.5	1.0 1.5km
Drainage	L-side ditch & Catch pit		
Shoulder or Sidewalk	Sidewalk		
Carriageway Pavement Condition(PSI)	3 3		
Shoulder or Sidewalk	Sidewalk		
Drainage	L-side ditch & Catch pit		

道路インベントリー調査結果 (5/5)

Name of Road	Rue Menalamba	Route No.	21
Distance	0.0 – 0.5 – 1.0 – 1.5km		
Drainage	L-side ditch & Catch pit		
Shoulder or Sidewalk	Sidewalk		
Carriageway Pavement Condition(PSI)	3		
Shoulder or Sidewalk	Sidewalk		
Drainage	L-side ditch & Catch pit		

Name of Road	Rue V.V.S	Route No.	22
Distance	0.0 – 0.5 – 1.0 – 1.5km		
Drainage	L-side ditch & Catch pit		
Shoulder or Sidewalk	Sidewalk		
Carriageway Pavement Condition(PSI)	2.5 / 3.0 / 3.0 / 3.5 / 4.0		
Shoulder or Sidewalk	Sidewalk		
Drainage	L-side ditch & Catch pit		

Name of Road	Rue Razanamaniraka	Route No.	23
Distance	0.0 – 0.5 – 1.0 – 1.5km		
Drainage	L-side ditch & Catch pit		
Shoulder or Sidewalk	Sidewalk		
Carriageway Pavement Condition(PSI)	2		
Shoulder or Sidewalk	Sidewalk		
Drainage	L-side ditch & Catch pit		

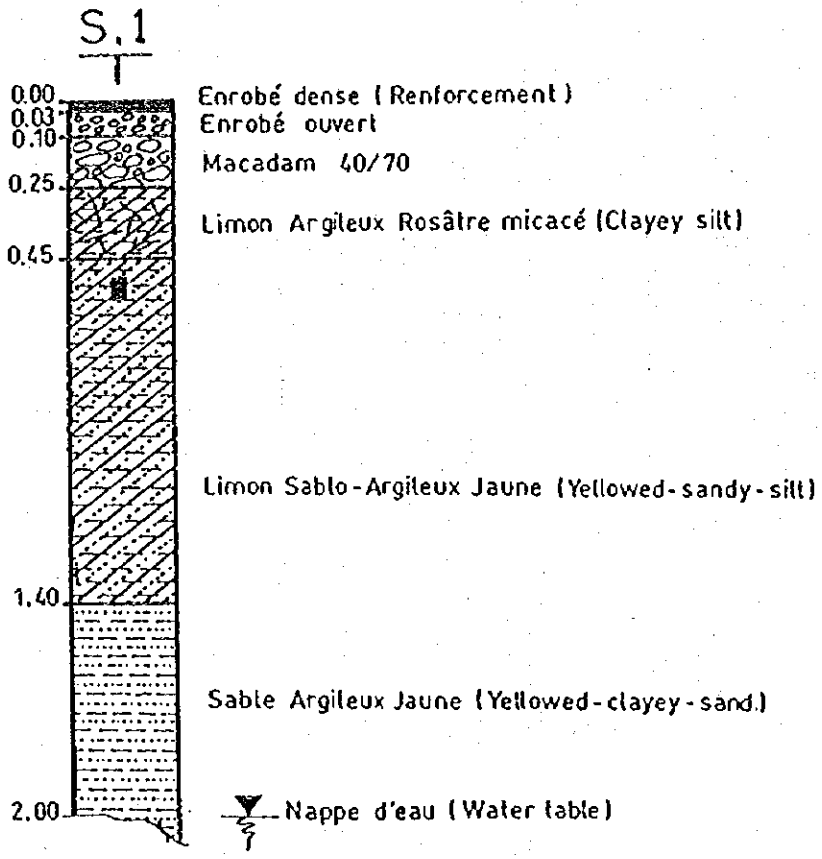
Name of Road	Rue Andriatsifaoana	Route No.	24
Distance	0.0 – 0.5 – 1.0 – 1.5km		
Drainage	U-shaped drain		
Shoulder or Sidewalk	Sidewalk / no shoulder		
Carriageway Pavement Condition(PSI)	5.0 / 4.0 / 3.0 / 3.0 / 4.0 / 4.0		
Shoulder or Sidewalk	Sidewalk / no shoulder		
Drainage	U-shaped drain		

Name of Road	Rue Ranaivo Paul	Route No.	25
Distance	0.0 – 0.5 – 1.0 – 1.5km		
Drainage	U-shaped drain		
Shoulder or Sidewalk	no shoulder		
Carriageway Pavement Condition(PSI)	4.0 / 5.0 / 5.0 / 2.0 / 3.0 / 3.0		
Shoulder or Sidewalk	no shoulder		
Drainage	U-shaped drain		

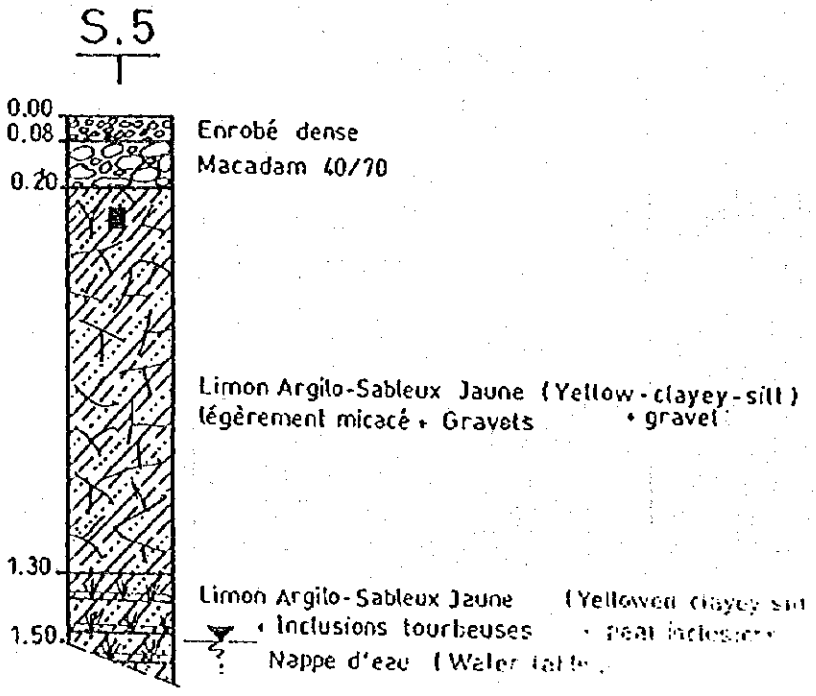
Name of Road	Rue Jean Andriamady	Route No.	26
Distance	0.0 – 0.5 – 1.0 – 1.5km		
Drainage	L-side ditch & Catch pit		
Shoulder or Sidewalk	Sidewalk		
Carriageway Pavement Condition(PSI)	2.0 / 3.0 / 3.0 / 3.0		
Shoulder or Sidewalk	Sidewalk		
Drainage	L-side ditch & Catch pit		

C-2 舗装構造及び路床強度調査結果

Avenue de l' Independance



Avenue Andrianampoinimerina



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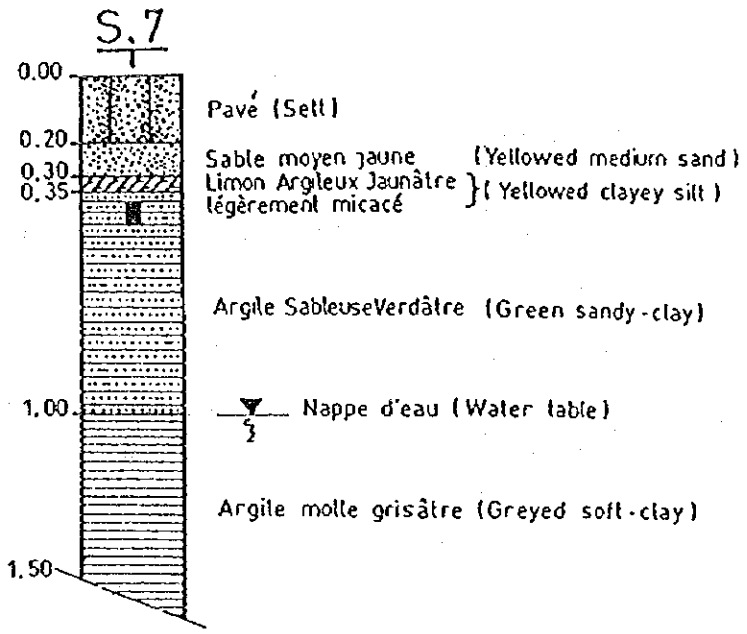

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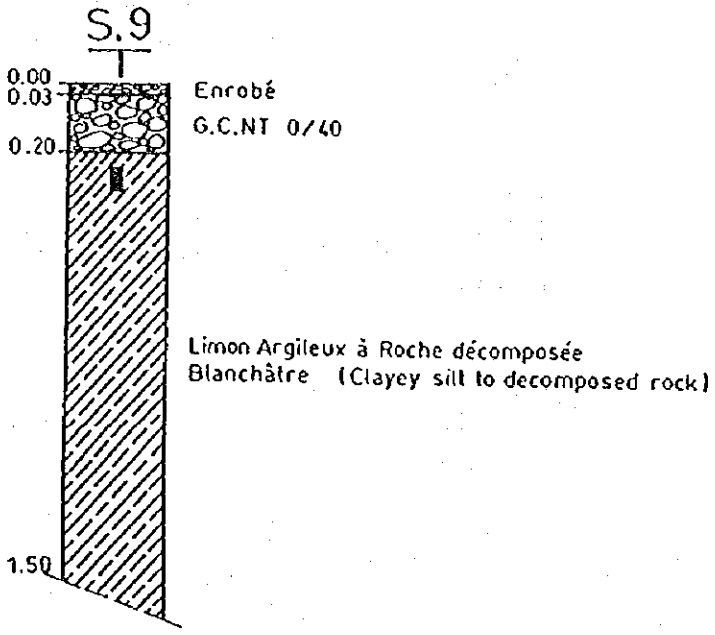
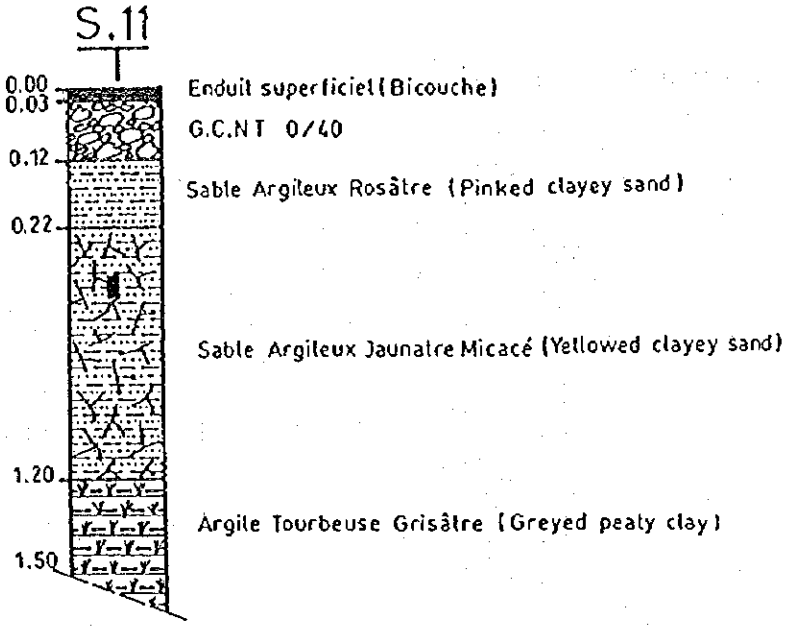
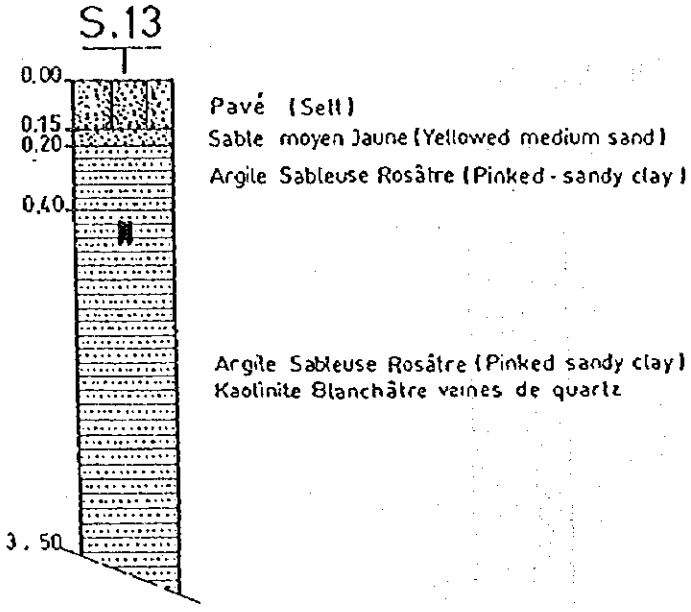


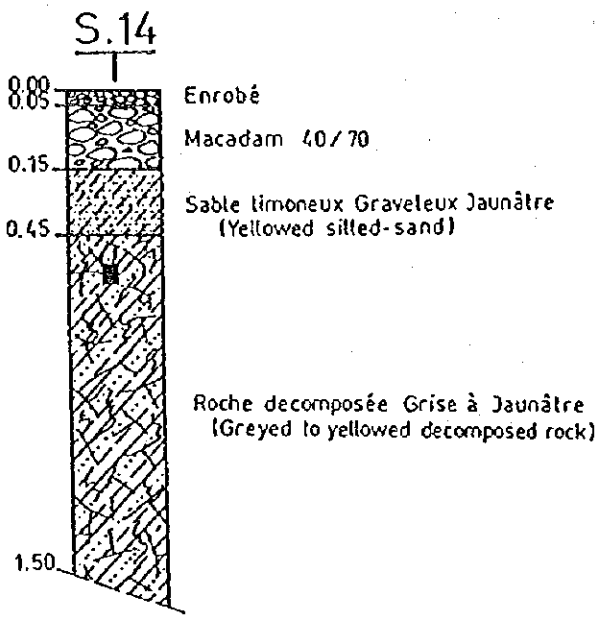
Rue Indira Gandhi



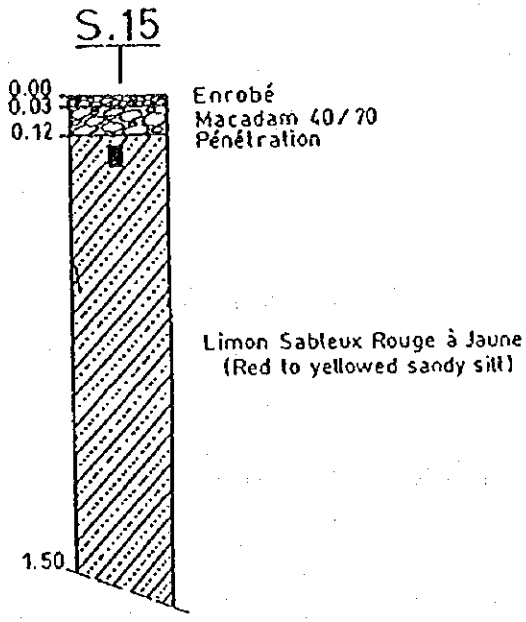
Rue Ingereza



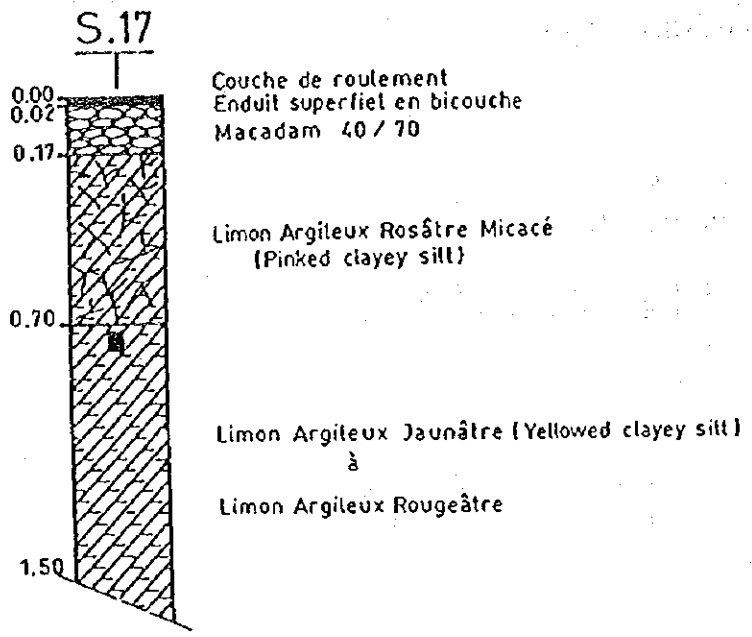
Avenue Jean Ralaimongo



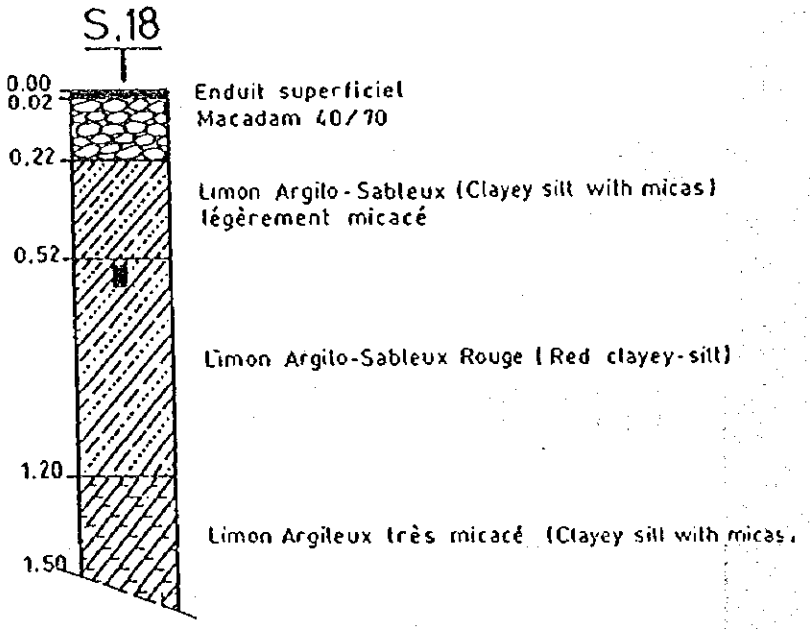
Rue Kotavy



Rue James Ratsima



Rue Dr. Rahamefy



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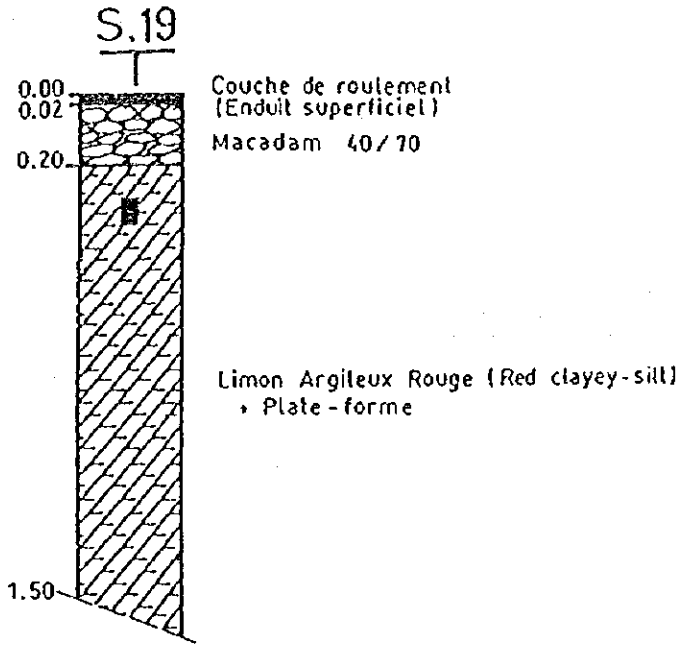

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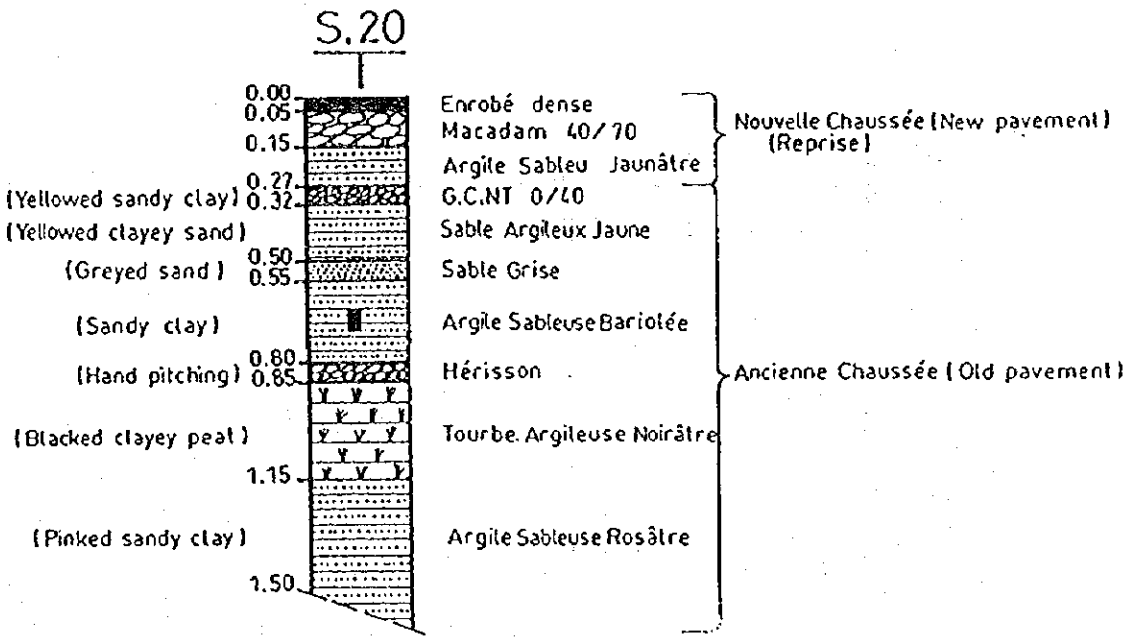

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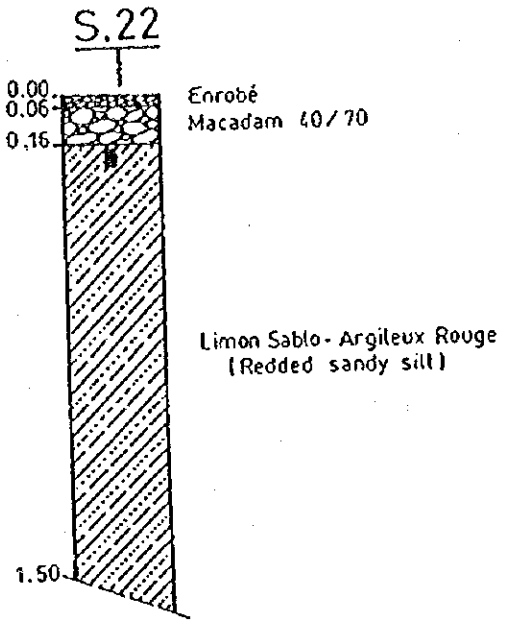

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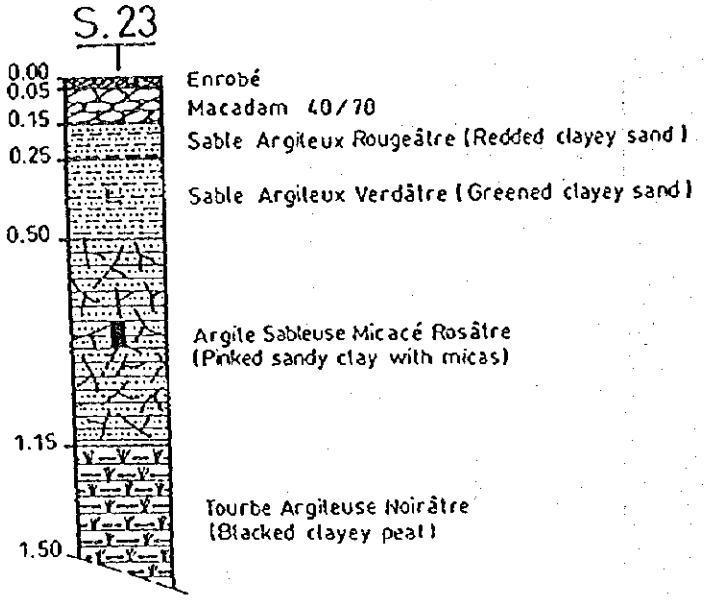
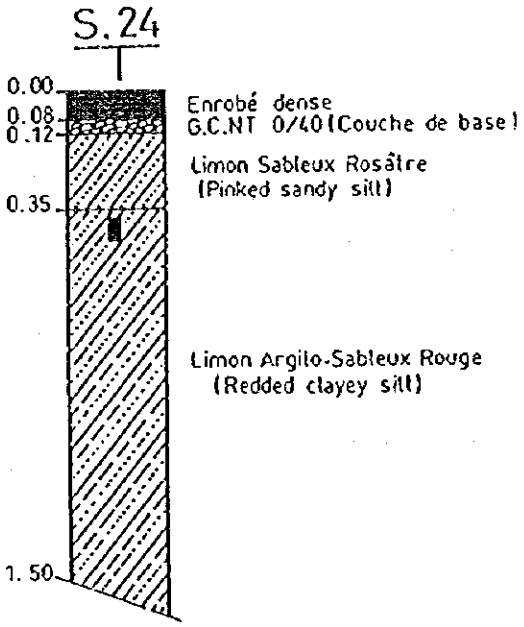


Rue Andriatsifahoana



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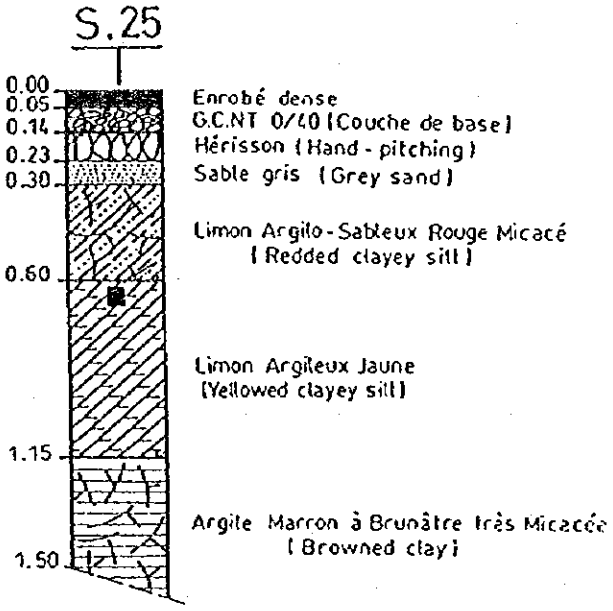
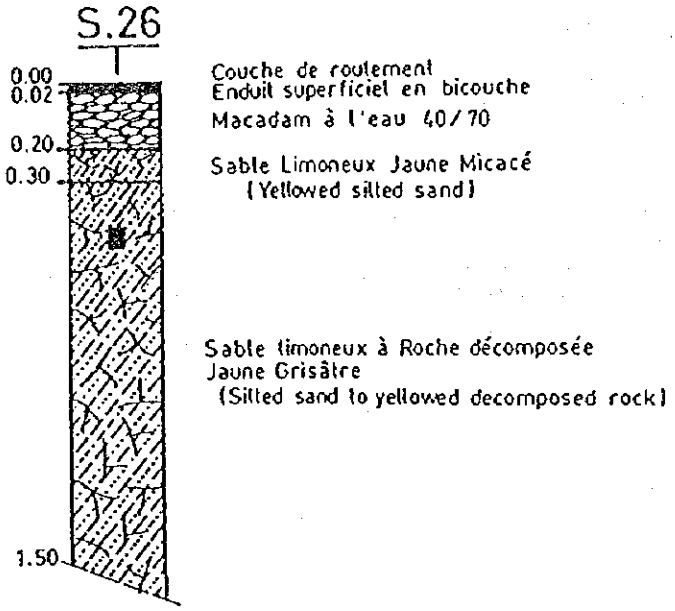


Rue Jean Andriamady



現況舗装厚

	路線名	厚さ		等値換算係数		摘要
		表層	路盤	表層	路盤	
1	Av.de l'Indépendance	100	150	0.7	0.3	S-1
2	Esplanade de l'Av.de l'Indépendance	30	100	0.7	0.3	S-1
3	Av.26 Juin 1960	100	150	0.7	0.3	S-1
4	Rue Lucciardi	30	90	0.7	0.3	S-11
5	Av.Andrianampoinimerina	80	120	0.7	0.3	S-5
6	Artères secondaires de l'Av.de l'Indépendance	30	90	0.7	0.3	
7	Av.Rainibetsimisaraka	stone		0.7	0.3	S-7
8	Rue Pierre Camo	stone		0.7	0.3	
9	Rue Dr.Villette	30	170	0.7	0.3	S-9
10	Rue Rakotonirina Stanislas	30	170	0.7	0.3	S-9
11	Rue Indira Gandhi	30	90	0.7	0.3	S-11
12	Rue Ranaivo	30	90	0.7	0.3	S-11
13	Rue Ingereza	stone		0.7	0.3	S-13
14	Av.Jean Ralaimongo	50	100	0.7	0.3	S-14
15	Rue Kotavy	30	90	0.7	0.3	S-15
16	Rue Rakoto de Monplaisir	20	150	0.7	0.3	S-17
17	Rue James Ratsima	20	150	0.7	0.3	S-17
18	Rue Dr.Rahamefy	20	200	0.7	0.3	S-18
19	Rue Dr.Rajaonah	20	180	0.7	0.3	S-19
20	Rue Rév.P.Callet	50	270	0.7	0.3	S-20
21	Rue Menalamba	50	270	0.7	0.3	S-20
22	Rue V.V.S	60	100	0.7	0.3	S-22
23	Rue Razanamaniraka	50	100	0.7	0.3	S-23
24	Rue Andriatsifahoana	80	40	0.8	0.3	S-24
25	Rue Ranaivo Paul	50	180	0.8	0.3	S-25
26	Rue Jean Andriamady	20	180	0.7	0.3	S-26

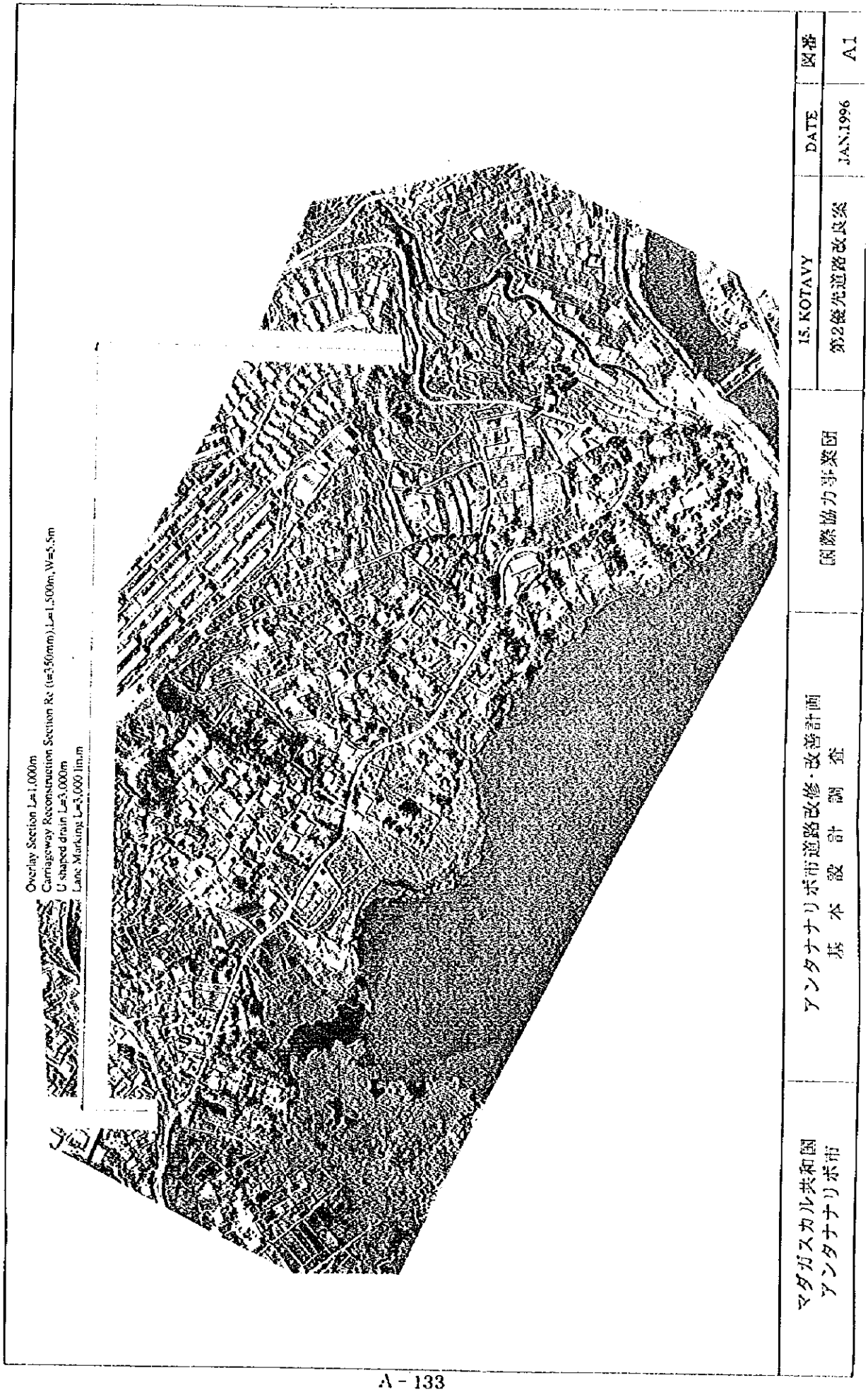
CBR結果及び設計CBR

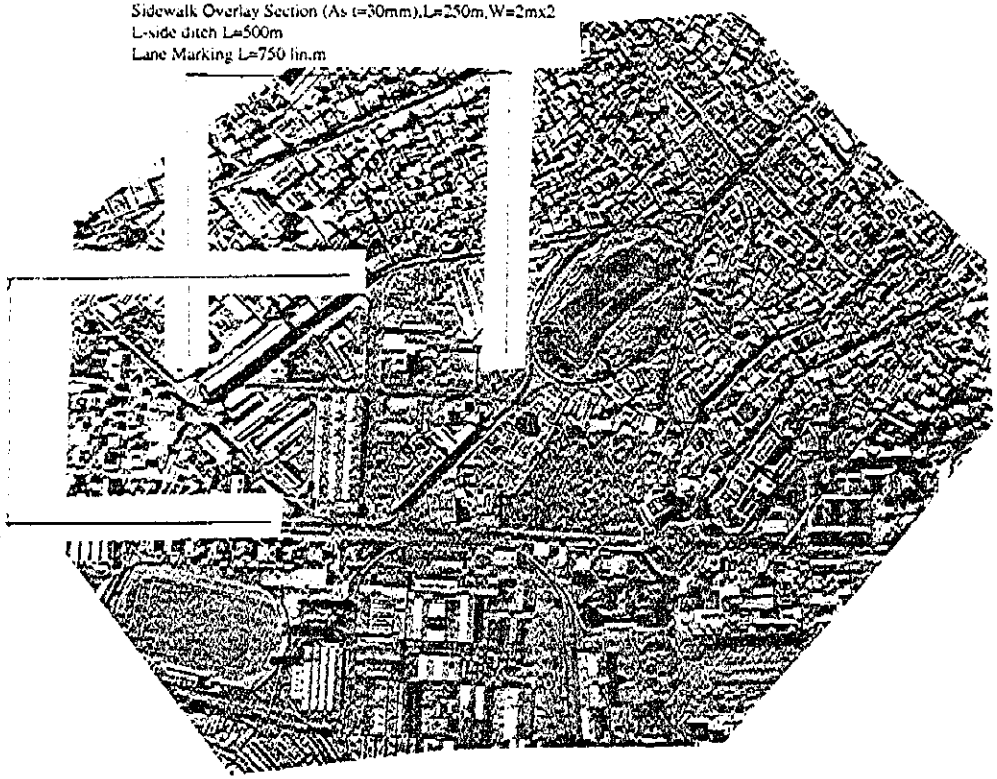
	路線名	現状路床CBR	設計CBR
1	Av.de l'Indépendance	10	11
2	Esplanade de l'Av.de l'Indépendance	-	
3	Av.26 Juin 1960	-	
4	Rue Lucciardi	-	
5	Av.Andrianampoinimerina	17	
6	Artères secondaires de l'Av.de l'Indépendance	-	
7	Av.Rainibetsimisaraka	16	
8	Rue Pierre Camo	-	
11	Rue Indira Gandhi	15	
12	Rue Ranaivo	-	
13	Rue Ingereza	4	
9	Rue Dr.Villette	7	7
10	Rue Rakotonirina Stanislas	-	
14	Av.Jean Ralaimongo	18	18
15	Rue Kotavy	15	15
16	Rue Rakoto de Monplaisir	-	15
17	Rue James Ratsima	18	
18	Rue Dr.Rahamefy	13	
19	Rue Dr.Rajaonah	9	9
20	Rue Rév.P.Callet	7	7
21	Rue Menalamba	-	
22	Rue V.V.S	11	11
23	Rue Razanamaniraka	5	5
24	Rue Andriatsifahoana	18	17
25	Rue Ranaivo Paul	17	
26	Rue Jean Andriamady	15	15

交通量調査結果及び日交通量の設定

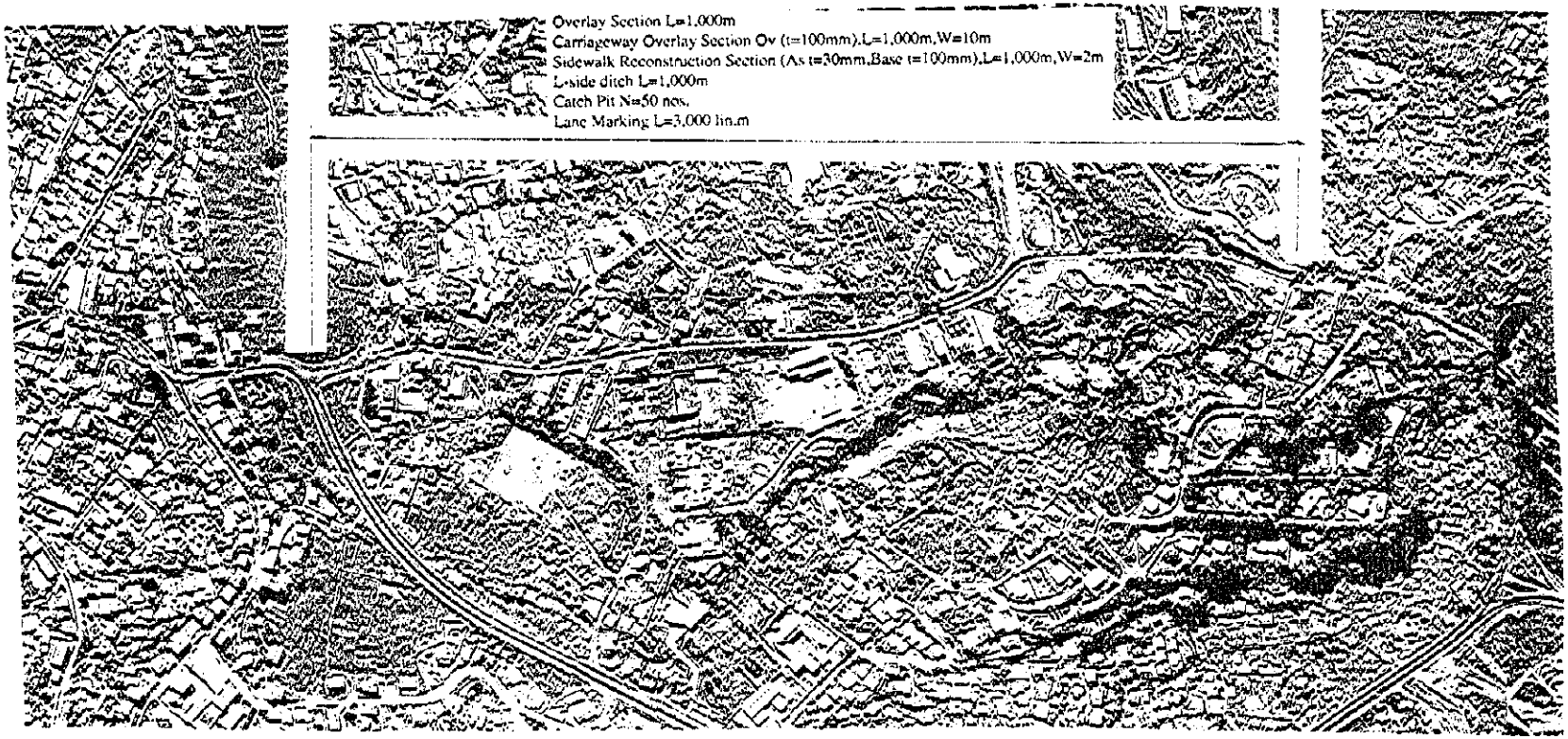
	路線名	機能区分	土地利用	12時間交通量(A)		時間交通量(B)		C=Bx1/axb			
				合計	大型車	合計	大型車	a=Ai/A	b	日交通量	大型車日交通量
1	Av.de l'Indépendance	幹線道路	中心市街	19,942	2,593	-	-	-	1.2	24,000	3,100
2	Esplanade de l'Av.de l'Indépendance	幹線道路	中心市街	-	-	-	-	-	1.2	-	-
3	Av.26 Juin 1960	幹線道路	中心市街	-	-	-	-	-	1.2	(24,000)	(3,100)
4	Rue Lucciardi	地区道路	中心市街	-	-	-	-	-	1.1	(4,000)	(800)
5	Av.Andrianampoinimerina	地区道路	中心市街	-	-	195	35	0.05	1.1	4,000	800
6	Artères secondaires de l'Av.de l'Indépendance	地区道路	中心市街	-	-	-	-	-	1.2	(4,000)	(800)
7	Av.Rainibetsimisaraka	幹線道路	中心市街	-	-	444	69	0.08	1.1	7,000	1,000
8	Rue Pierre Camo	地区道路	中心市街	-	-	-	-	-	1.1	(1,000)	(100)
9	Rue Dr.Villette	地区道路	公共地区	-	-	297	36	0.09	1.1	4,000	400
10	Rue Rakotonirina Stanislas	地区道路	公共地区	-	-	-	-	-	1.1	(4,000)	(400)
11	Rue Indira Gandhi	地区道路	中心市街	-	-	679	90	0.11	1.1	7,000	900
12	Rue Ranaivo	集散道路	中心市街	-	-	715	109	0.05	1.1	16,000	2,400
13	Rue Ingereza	地区道路	中心市街	557	109	-	-	-	1.1	1,000	100
14	Av.Jean Ralaimongo	幹線道路	公共地区	-	-	2,033	260	0.11	1.2	22,000	2,800
15	Rue Kotavy	地区道路	住居地区	-	-	77	13	0.09	1.1	1,000	200
16	Rue Rakoto de Monplaisir	地区道路	住居、工業地区	-	-	305	47	0.09	1.1	4,000	600
17	Rue James Ratsima	地区道路	住居、工業地区	3,007	454	-	-	1.00	1.1	3,000	500
18	Rue Dr.Rahamefy	地区道路	住居、工業地区	-	-	156	27	0.09	1.1	2,000	300
19	Rue Dr.Rajaonah	地区道路	住居地区	-	-	313	43	0.07	1.1	5,000	700
20	Rue Rév.P.Callet	地区道路	商業地区	-	-	-	-	-	1.1	(2,000)	(300)
21	Rue Menalamba	地区道路	商業地区	-	-	143	31	0.11	1.1	2,000	300
22	Rue V.V.S	集散道路	公共地区	9,490	2,065	-	-	-	1.1	10,000	2,900
23	Rue Razanamaniraka	地区道路	住居地区	-	-	694	70	0.09	1.1	8,000	900
24	Rue Andriatsifahoana	地区道路	住居地区	-	-	145	33	0.08	1.1	2,000	400
25	Rue Ranaivo Paul	集散道路	工業地区	-	-	316	68	0.09	1.1	4,000	800
26	Rue Jean Andriamady	地区道路	住居地区	-	-	224	19	0.08	1.1	3,000	300

C-4　第２プライオリティとなった道路の改修計画案

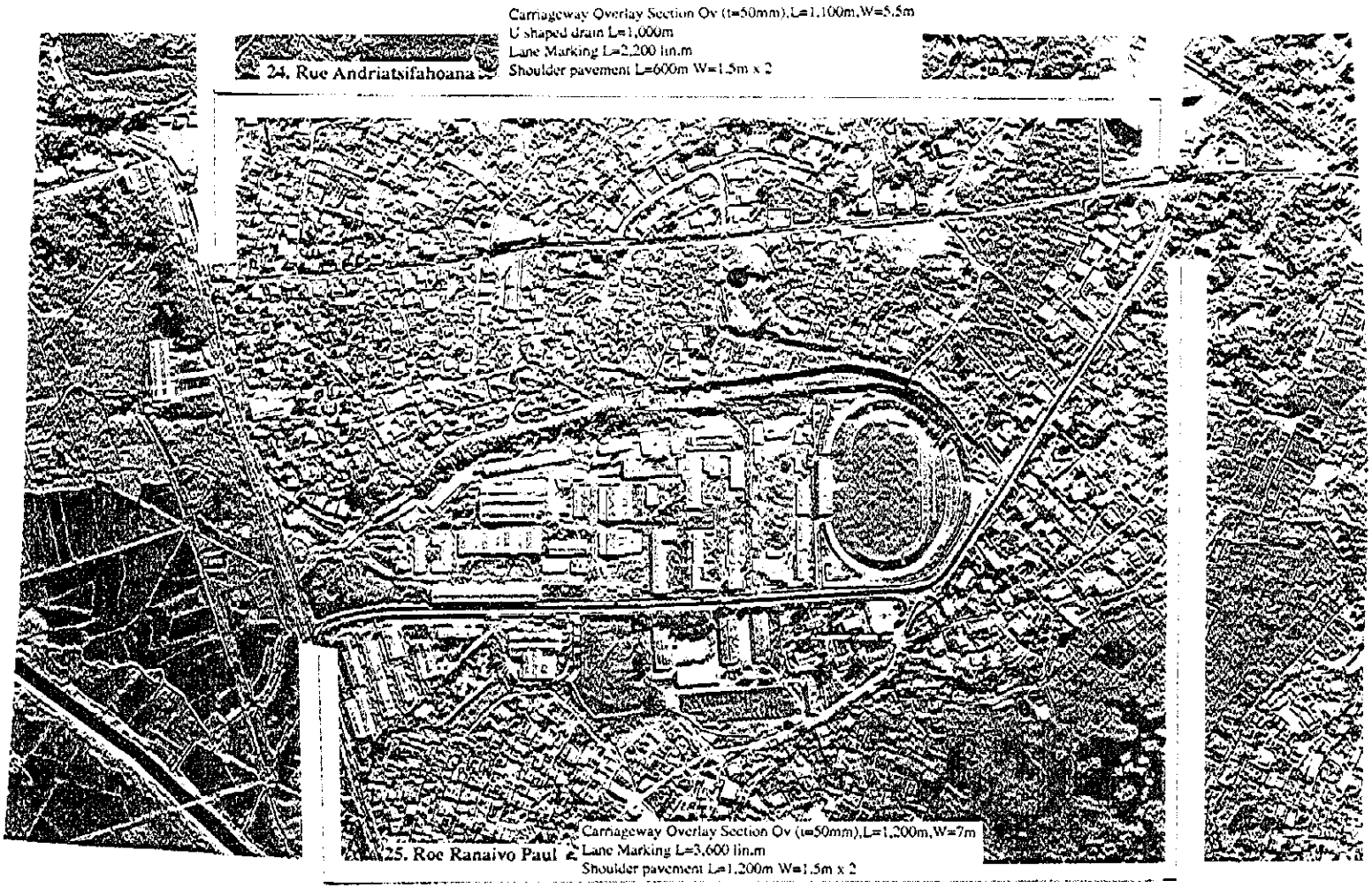




マダガスカル共和国 アンタナナリボ市	アンタナナリボ市道路改修・改善計画 基 本 設 計 調 査	国際協力事業団	20. Rue Rev.P.Callet 21. Rue Menalamba 第2優先道路改良案	DATE JAN.1996	図番 A2



マダガスカル共和国 アンタナナリボ市	アンタナナリボ市道路改修・改善計画 基 本 設 計 調 査	国際協力事業団	22. V.V.S 第2優先道路改良案	DATE JAN.1996	図番 A3



マダガスカル共和国 アンタナナリボ市	アンタナナリボ市道路改修・改善計画 基 本 設 計 調 査	国際協力事業団	24. Rue Andriatsifahoana 25. Rue Ranaivo Paul	DATE	図番
			第2優先道路改良案	JAN.1996	A4

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