Appendix

# A.1 Present Socio-Economic Situations

Area and Population by Administration Unit along the Project Road

Project	Admini	stration Unit	Area	Population	Population	Pop. Growth
					•	Rate, '79-89
	Changwat	Amphoe	(km2)	(persons)	(Per./km2)	(% per annum) 
nesasrati	   ===========	 		======================================	=======================================	nesosasses !
NC-1	Chumphon	Tha Sae	1,531.2	49,600	) 32	2.61
	i	Muang Chumphon	675.1	124,553	184	0.67
	i i	(Total)	2,206.3	174,153	79 	<u> </u>
 NC-3	l Phangnga	Thap Put	272.4	20,198	74	2.15
J	manginga	Muang Phangnga	549.5	32,401	59	1.91
		(Total)	821.9	52,599	64	-
		 	 	[ 	} }	 
NC-5	Songkhla	Hat Yai	660.0	276,020	418	2.24
	1	Ratta Phum	1,029.0	54,471	j 53	(1,44)
	1	(Total)	1,689.0	330,491	196	-
	<u> </u>	 	 		 	
AD-1	Surat Thani	Phunphin	242.5	83,217	343	2.71
	}	Muang Surat Thani	1,201.0	112,646	94	1.98
		Kanchanadit	1,650.0	76,102	] 46	1.91
		(Total)	3,093.5	271,965	j 88 L	•
4D-2	Phuket	Tha Lang	252.0	48,633	j 193	2.10
	1	Muang Phuket	224.0	97,501	435	2.71
	!	(Total)	476.0	146,134 I	307	-
					<u> </u>	
W07-4	Nakhon Si   Thamarat	Hua Sai 	454.6	70,664 	155 	0.69
		Ranot	83.4	75,385	904	0.88
	•	Krasae Sin	96.4	17, 152	178	0.47
	<u> </u>	Sathing Phra	120.0	50,296	419	0.99
	İ	Muang Songkhla	368.4	143,189	389	3.66
•	1	(Total)	1,122.8	163,201	318 	-
1D6-1	Satun	Khuang Kalong	620.7	31,791	j 51	2.39
		La Ngu	379.7	47,352	125	3.29
	1 .	Thung Wa	294.0		53	3.79
	Trang	Palian	636.2		105	2.30
		(Total)	1,930.6	161,238 	84 	-
			 			İ
RW-7-1	Narathiwat		200.5	32,669	163	1.46
	•	Ruso	525.6	46,679		2.49
	Yala	Raman	516.0	64,189	•	2.70
		Muang Yala	449.0	150,535	335	3.26
	Į.	(Total)	1,691.1	294,072	[ 174	-

Employment Structure by Administration Unit along the Project Road

Project	Adminis	stration Unit	Total Employment		Sec	tor	
· ·	Changwat	Amphoe	in 1989 (persons)	Agri- culture	Industry	\$ervice	Others
***=====	=======================================				**********		200 <b>222</b> 3
NC-1	Chumphon	Tha Sae Muang Chumphon	25,703 64,543	15,525 38,985	204 1,872	8,794 20,722	1,180 2,964
		(Total) (%)	90,246 (100%)	54,510 (60%)	2,076 ( 2%)	29,516 (33%)	4 144 ( 5%)
VC-3	Phangnga	Thap Put Muang Phangnga	7,349 11,900	4,298 6,895	67 217	2,810 4,510	174 278
		(Total) (%)	19,249 (100%)	11,193 (58%)	284 ( 2%)	7,320 (38%)	452 ( 2%)
NC-5	Songkhla	Hat Yai Ratta Phum	93,846 18,520	65,866 14,515	10,205 497	9,771 1,928	8,004 1,580
		(Total) (%)	112,366 (100%)	80,381 (72%)	10,702 (10%)	11,699 (10%)	9,584 ( 8%)
AD-1	Surat Thani	Phunphin  Muang Surat Thani  Kanchanadit	44,936 60,827 41,046	29,591 40,055 27,029	6,713 9,087 6,132	8,632 11,685 7,885	-
		(Total) (%)	146,809 (100%)	96,675 (66%)	21,932 (15%)	28,202 (19%)	(-)
AD-2	Phuket	Tha Lang Muang Phuket	20,647 42,617	8,900 17,842	718 2,662	9,629 19,305	1,400 2,808
		(Total) (%)	63,264 (100%)	26,742 (42%)	3,380 (5%)	28,934 (46%)	4,208 ( 7%)
WD7-4	Nakhon Si Thamarat	Hua Sai	23,219	16,282	210	4,070	2,657
•	Songkhla	Ranot Krasae Sin	25,630 5,831	20,488 4,650	287 17	2,669 667	2,186 497
		Sathing Phra Muang Songkhla	17,100 48,680	13,722 36,898	140 2,565	1,780 5,065	1,458 4,152
		(Total) (%)	54,680 (100%)	41,420 (76%)	514 ( 3%)	7,406 (12%)	5,340 (9%)
₩D6-1	Satun	Khuang Kalong La Ngu	11,037 16,441	7,388 11,039	95 93	3,166 4,731	388 578
	Trang	Thung Wa Palian	5,404 23,098	3,634 15,564	23 52	1,557 6,670	190 812
		(Total) (%)	55,980 (100%)	37,625 (67%)	263 (0%)	16, 124 (29%)	1,968 ( 4%)
RW-7-1	Narathiwat	Yi Ngo Ruso Paman	16,936 24,198 26,740	16,127 22,550 18,615	185 503 140	196 534 7,600	428 611 385
	Yala	Raman Muang Yala	65,256	43,655	2,875	17,823	903
		(Total) (%)	133,130 (100%)	100,947 (76%)	3,703 (3%)	26,153 (19%)	2,327 ( 2%

			Passenge	r Car		Lìght Bu	s -		Medium Bu	JS		Heavy Bu	\$	Pic	kup (pass	senger)
Station	Direc- tion	No. of Samples	Counted Volume	Sampling Rate (%)	No. of Samples	Counted Volume	Sampling Rate (%)	No. of Samples	Counted Volume	Sampling Rate (%)	No. of Samples	Counted Volume	Sampling Rate (%)	No. of Samples	Counted Volume	Sampling Rate (%
			<del>* * * * * * *</del>	40.00		424	66.13	,,,	72	59.72	95	123	77,24	337	2124	15.8
001	]n	70	546		82	124 148	47.30		71	50.70	113	126	89.68	384	2349	16.3
	Out	63	571	11.03	70	7.*			28	50.00		61	62.30	400	1581	25.30
00.5	in	93	347	26.80	242	324	74.69	3	6	50.00		78	65.38	286	1321	21.6
	Out	98	374	26.20	190	256	74.22 2.88		27	62.96	t. 16. 1 .	80	82.50	225	365	61.6
003	in	132	326	40.49	8	278 287	8.71		43	20.93	84	102	82.35	240	415	57.8
	Out	159	315		25			9.	34	94.12	Û	0	0.00	285	411	69.3
004	in	68	86	79.07	29	57 51	50.88 62.75	32 25	30	83.33	0	. 0	0.00	285	370	77.0
	Out	62	92	67.39	32	110	44.55	23.		0.00	45	55	81.82	205	327	62.6
005	. In	98	136	72.06	49			0	7	0.00	41	45	91.11	234	310	75.4
	Out	87	129	67.44	50	94 17	53.19 58.82	,·· U	14	64.29		22	72.73	31	90	34.4
900	In	53	102		10	32	40.63	2	14	40.00	14	18	77.78	41	89	46.0
	Out	55	. 95	57.89	13				رد	41.67	2.00	38	71.05	188	344	54.6
007	in	45	126	35.71	. J	12 32	8.33 96.88	17	24 23	73.91	48	53	90.57	244	487	50.1
	Out	110	149	73.83	31		29.64	43	102	42.16	75	148	50.68	374	1438	26.0
800	ln:	261	679		171	577	32.15	57	113	50.44	86	196	43.88	474	1718	27.59
	Out	363	1027	35.35	200	622	36.13		113	50.44		170	131.00			
Average		1,817	5,100	35,63	1,203	3,021	39.82	317	607	52.22	799	1,145	69.78	4,233	13,739	30.8
<del></del>																
Station	A		4W Truck	Κ		6W Truci	Κ		10W Truc	:k	14, 1	Motorcyc	le		Total	

		•	4W Truc	k		6H Truc	k		10V True	ck		Motorcyc	le		Total	1.
Station	tion	No. of Samples	Counted Volume	Samplin Rate (%	g No. of ) Samples	Counted Volume	Sampling Rate (%)	No. of Samples	Counted Volume	Sampling Rate (%)	No. of Samples	Counted Volume	Sampling Rate (%)			Sampling Rate (%)
<del></del>				24.4		704	14.14	57	292	19.52	491	2536	19.36	1,292	6,275	20.59
001	In .	. 11	52			304		56	316			2772	13.49		6,953	
5	Out	4	39	10.2		367	16.89 21.40	97 ·	479			1847	21.55		5,449	25.55
002	in	9	31	29.0	1.0	285 204		119	437	27.23		1448		•	4,394	
	Out	>	22						114			1106	38.52		3,084	
003	in .	. 2	6	33.3		114		48 75	133	56.39		1173	36.66	. •	3,364	
	Out	U	0	0.0		115			34			722	71,19		1,463	
004	. In	3	4	75.0		54	59.26		53			708			1,468	
	Out	4	ە	50.0		66 57		62	88			559			1,459	
005	In	. 1	14	7.1			71.93		87.	11.76	and the second	608	100		1,447	
	0ut	2	11	18.1	8 46	67	68.66		11	45.45		725	33.52		1,243	
006	In	3		40.0		52		, ,	20	20.00		663	27.00		1,187	35.64
_	0ut	0		0.0		47	55.32		20 149			345	33,91		1,257	40.89
007	ln	0	9			76		44	146	45.21		388	37.37		1,421	52.78
	Out	3	10			69		66				2718	26.27	and the second of the second	6,121	29.44
.008	In	6	19	31.5		104		68	217	31.34	:	3155	24.28		7,501	28.52
	Out	5	14	35.7	1 32	154	20.78	58	231	25.11	766	2122	24.20	£ 1.37	1,001	
Average	·	57	252	22.6	2 680	2,135	31.85	877	2,807	31,24	5,895	21,473	27.45	17,365	54,086	32.11

Number of Empty Vehicle

Statio	n\Vehicle	Type	Pickup((	Cargo)	4W-Truck	ζ .	6W-Truc	k	10W-Truc	k .
		11. s 21. s 4	Number	(%)	Number -	(%)	Number	(%)	Кильег	(%)
			ng.	56.32		42.86	39	41.94	47	43.52
	00 - 1 00 - 2	n en en Negative	98 66	39.29	2	16.67	56	43.08	76	36.54
	00-3		278 14	70.56 15.22	2	100.00	46 40	48.94 54.05	43 39	34.96 68.42
	00 - 4 00 - 5		32	21.92	1	50.00	32	38.55	56	50.00
	00-6		88 25	55.00 32.47	1	50.00	20 32	41.67 54.24	50	51.02
	00-7 00-8		35	25.00	3	27.27	31	51.67	46	41.07

Summary of Roadside OD Survey Results: Station 00-1

Item\Vehicle Type	Passeng	er Car	Ligh	t Bus	Hedi	an Bus	∦ea∨∖	/ Bus	Pickup	(Pass)	Pickup	(Cargo)	4W-Tr	uck	6W-T	uck.	109-1	ruck	Hotord	ycle .
	Number	Average	Number	Average	тосіпий	Average	Number	Average	Number	Average	Number	Average	Number	Average	Number	Average	Humber	Average	Kumber	Averag
***********						0.00	0	0.00		0.00	195	1.12	15	2.47	105	4.58	113	11.07	0	0.0
Total Weight(ton)	U	0.00		0.00	. 0		ŭ	0.00	Ů	0.00	. 195	1.12	15	2.47	105	4.58	113	11.07	ă	0.0
Cargo Capacity(ton)		0.00	450	0.00		0.00	•		714	, ,	. 123	0.00		0.00	103	0.00		0.00	865	2,0
Passenger Capacity	133	5.27	152	13.81	79	24,62	208	49.59	721	13.30		0.00	v	0.00	ŭ	0.00	0	0.00		0.0
Travel Distance(km)	0	0.00	0	0.00	. 0	0,00	0	0.00			U		, u				U		U	(%)
Trip Purpose		(%)		(%)		(X)		(X)		(X)	400	(X)		(%)		(%)	407	(%)	747	
<ul> <li>Work or Business</li> </ul>		52.63	129	89.58	70	95,89	203	99.51	293	40.64	125	64.10	10	66.67	95	90.48	103	91.15	313	36.2
Private	56	42.11	15	10.42	. 0	0.00	1	0.49	405	56.17	65	33.33	4	26.67	. 10	9.52	: 9	7.96	449	52.0
- Tour	3	2.26	Û	0.00	0	0.00	0	0.00	. 9	1.25	0	0.00	. 1	6.67	0	0.00	Ų	0.00	17	1.9
Others	4	3.01	0	0.00	3	4.11	0	0.00	14	1.94	5	2.56	0	0.00	0	0.00	. 1	88.0	84	9.7
Number of Passenger	133	3.08	151	8.70	77	13.45	205	25.73	721	2.34	195	2.18	15	1.93	105	2.26	113	1.46	865	1-5
Number of Assistant	1	2.00	12	1.00	39	1,31	190	1.45	4	1.50	. 12	1.25	0	0.00	19	1.47	26	1.15	2	1.5
	- Lizzain -					:								<u>·</u>						
				1.7								4.3					٠.			
Summary of Roadsid	e 00 Surv	ey Result	s: Statio	n 00 - 2			:				1				mi + 1					
tem\Vehicle Type	Passeng	er Car	Ligh	t Bus	Mediu	m Bus	Heavy	8us	Pickup	(Pass)	Pickup	(Cargo)	4W-10	uck	17 - W3	uck	101-1	ruck	Motoro	ycle
	Number	Average	Number	Average	Number	Average	Number	Average	Number	Average	Number	Average	Number	Average	Number	Average	Number	Average	Number	Averag
									<del></del>	<del></del>									·	
Total Weight(ton)	0	0.00	0	0.00	0	0.00	0	0.00	345	2.52	58	2.49	1	4.00	34	10.40	72	19,95	1	
Cargo Capacity(ton)	0	0.00	· n	0.00	0	0.00	. 0	0.00	345	2		1.00	- 1	1.70	34	10.02	72	8.20	1	
Passenger Capacity			·	0.00		0.00	U	0.00	. 343	2.52	58	1.00		1.10						15.0
	190		19	14.42	1	34.00	40	60.00	3	40.00	5	5.00	ó	0.00	. 0	0.00	0	0.00	85	15.0
	190 0	5.38	19 19		1		•		328				0 1		0 32			0.00 74.05	85 86	15.0
Travel Distance(km)		5.38 55.12	19 19	14.42 42.21	1	34.00 10.00	40	60.00 142.43	3	40.00	2	5.00	0	0.00	. 0	0.00	0			15.0
Travel Distance(km) Trip Purpose	0	5.38 55.12 (%)	19 19 429	14.42 42.21 (%)	17	34.00 10.00 (X)	40	60.00	3	40.00 47.27	2	5.00 40.33	0 1 13	0.00 5.00	. 0	0.00 68.47	0	74.05		15.0 2.0 13.5 (X) 43.4
Travel Distance(km) Trip Purpose Work or Business	0 65	5.38 55.12 (%) 34.21	- 557	14.42 42.21 (%) 99.54	1	34.00 10.00 (X) 100.00	40 37	60.00 142.43 (%) 100.00	3 328 241	40.00 47.27 (%) 35.13	2 57	5.00 40.33 (X)	1	0.00 5.00 (%)	0 32	0.00 68.47 (%)	0 59	74.05 (%)	86	15.0 2.0 13.5 (X) 43.4
Travel Distance(km) Trip Purpose - Work or Business - Private	65 110	5.38 55.12 (%) 34.21 57.89	- 557	14.42 42.21 (%) 99.54 0.46	1	34.00 10.00 (X) 100.00 0.00	40 37	60.00 142.43 (%) 100.00 0.00	3 328	40.00 47.27 (%) 35.13 62.68	2 57 131	5,00 40.33 (%) 75.29 22.41	1	0.00 5.00 (%) 92.86 7.14	0 32	0.00 68.47 (X) 94.07 5.93	0 59	74.05 (%) 98.15 1.39	86 268 328	15.6 2.6 13.5 (X) 43.6 53.1
Travel Distance(km) Trip Purpose - Work or Business - Private - Tour	0 65	5.38 55.12 (%) 34.21 57.89 7.89	- 557	14.42 42.21 (%) 99.54 0.46 0.00	1	34.00 10.00 (X) 100.00 0.00	40 37	60.00 142.43 (%) 100.00 0.00	3 328 241	40.00 47.27 (%) 35.13 62.68 1.46	2 57 131 39 1	5.00 40.33 (%) 75.29 22.41 0.57	1	0.00 5.00 (%) 92.86 7.14 0.00	0 32	0.00 68.47 (X) 94.07 5.93 0.00	0 59	74.05 (%) 98.15 1.39 0.00	86 268	15.0 2.0 13.5 (%) 43.6 53.1
Travel Distance(km) Trip Purpose - Work or Business - Private - Tour - Others	65 110 15	5.38 55.12 (%) 34.21 57.89 7.89 0.00	429 2 0	14.42 42.21 (%) 99.54 0.46 0.00 0.00	1 17 3 0 0	34.00 10.00 (%) 100.00 0.00 0.00	40 37 89 0 0	60.00 142.43 (%) 100.00 0.00 0.00	3 328 241 430 10 5	40.00 47.27 (%) 35.13 62.68 1.46 0.73	2 57 131 39 1 3	5.00 40.33 (%) 75.29 22.41 0.57 1.72	1 13 1 0 0	0.00 5.00 (%) 92.86 7.14 0.00 0.00	0 32 127 8 0 0	0.00 68.47 (X) 94.07 5.93 0.00 0.00	0 59 212 3 0	74.05 (%) 98.15 1.39 0.00 0.46	268 328 12 9	43.4 53.1 1.9
Travel Distance(km) Trip Purpose - Work or Business - Private - Tour	65 110	5.38 55.12 (%) 34.21 57.89 7.89	- 557	14.42 42.21 (%) 99.54 0.46 0.00	1	34.00 10.00 (X) 100.00 0.00	40 37	60.00 142.43 (%) 100.00 0.00	3 328 241	40.00 47.27 (%) 35.13 62.68 1.46	2 57 131 39 1	5.00 40.33 (%) 75.29 22.41 0.57	1	0.00 5.00 (%) 92.86 7.14 0.00	0 32	0.00 68.47 (X) 94.07 5.93 0.00	0 59	74.05 (%) 98.15 1.39 0.00	86 268 328 12	15.0 2.0 13.9 (%) 43.4 53.1 1.9

Summary of Roadside 00 Survey Results: Station 00-3

tem\Vehicle Type	Passeng	er Car	Ligi	nt Bus	Hedit	m Bus	Heavy	Bus	Pickup	(Pass)	Pickup	(Cargo)	4V-11	uck	6W-T			íruck	Notore	
	Number	Average	Number	Average	<b>Kumber</b>	Average	Number	Average	Number	Average	Kumber	Average	Kumber	Average	Number	Average	Number	Average	Number	Averag
Total Weight(ton)	n	0.00	п	0.00	0	0.00	n	0.00	0	0.00	414	1.01	. 2	3.00	97	4.70	123	10.85	0	0.0
Cargo Capacity(ton)	ŭ	0.00	ñ	0.00	Ŏ	0.00	Ö	0.00	Ō	0.00	414	1,01	2	3.00	97	4.70	123	10.85	0	0.0
Passenger Capacity	291	5.27	33	13.91	26	23,65	150	50.29	465	13.74	. 2	12.00	0	0.00	0	0.00	0	0.00	856	2.0
Travel Distance(km)	271	0.00	22	0.00	٥	0.00	1.0	0.00	100	0.00	ñ	0.00	Ŏ	0.00	. 0	0.00	0	0.00	0	0.0
Trip Purpose		(%)	Ů,	(%)	·	(%)	·	(%)		(%)	•	(%)		(%)		(%)		(%)		(%)
· Work or Business	111	38.14	27	81.82	26	100.00	149	99.33	202	43.72	251	60.34	. 2	100.00	92	94.85	118	95.93	263	30.7
- Private	169	58.08	£ .	15, 15	20	0.00	117	0.67	254	54.98	162	38.94	ō	0.00	5	5.15	5	4.07	507	59.3
- Tour	10	3.44		3.03	. 0	0.00	Ö		, <sub>2,3</sub> 4	1.30		0.48	. 0	0.00	. 0	0.00	0	0.00	31	3.6
- Others	10	0.34		0.00	0	0.00	0	0.00	0	0.00	- 1	0.24	ő	0.00	ň	0.00	ő	0.00	54	6
	291	3.35	27	6.70	26	12,04	149	37.17	465	3.91	414	2.47	ž	1,00	97	2.31	123	1.85	855	1.0
Number of Passenger	291		23		19		149		. 0	0.00	7	1.00	ō	0.00		1.25	51	1.00	0	0.0
		0.00		1.00	19	1.05	142	1.69	U	0.00		1.00		0.00		****	٠.		•	
Number of Assistant Summary of Roadside		ey Result	s: Static	on 00-4		1.9	44													
·				on 00-4	Mediu	m Bus	Heavy	Bus	Pickup	(Pass)	Pickup	(Cargo)	4W-Tr		6H-1(			ruck	Motore	
Summary of Roadside	00 Surv		Ligh	<u> </u>		m Bus Average		Bus Average	Pickup Number		Pickup Number	(Cargo) Average		uck Average		uck Average		ruck Average		
Summary of Roadside	00 Surv	er Car Average	Ligh	t Bus Average		Average		Average		Average	Number	Average		Average	Humber	Average	Number	Average		Averag
Summary of Roadside	00 Surv	er Car Average 0.00	Ligh	t Bus Average 0.00				Average 0.00		Average 0.00	Number 95	Average		Average 2.31	Humber 74	Average	Number 57	Average 11.65	Wumber 0	Averag
Summary of Roadside	00 Surv Passeng Number 0 0	er Car Average 0.00 0.00	Ligh	t Bus Average 0.00 0.00		0.00 0.00	Number	Average	Number 0 0	0.00 0.00	Number	1.13 1.13	Number 7	Average 2.31 2.31	Humber	Average 4.40 4.40	Number	11.65 11.65	Number 0 0	Averag 0.0
Summary of Roadside	00 Surv Passeng Number	er Car Average 0.00	Ligh	t Bus Average 0.00		Average 0.00	Humber 0	Average 0.00	Number 0	0.00 0.00 12.95	Number 95	1.13 1.13 0.00	Number 7 7 0	2.31 2.31 0.00	Humber 74	4,40 4,40 4,00	Number 57	11.65 11.65 12.00	Wumber 0	0.0 0.0 2.0
Summary of Roadside tem/Vehicle Type Total Weight(ton) Cargo Capacity(ton)	00 Surv Passeng Number 0 0	er Car Average 0.00 0.00	Ligh Number 0 0	t Bus Average 0.00 0.00	Number 0 0	0.00 0.00	Humber 0	0.00 0.00	Number 0 0	0.00 0.00	Number 95	1.13 1.13 0.00 0.00	Number 7	2.31 2.31 0.00 0.00	Humber 74	4.40 4.40 4.00 0.00	Number 57	11.65 11.65 12.00 0.00	Number 0 0	0.0 0.0 2.0 0.0
Summary of Roadside tem\Vehicle Type Total Weight(ton) Cargo Capacity(ton) Passenger Capacity	OO Surv Passeng Number 0 0 130	er Car Average 0.00 0.00 5.30	Ligh Number 0 0	0.00 0.00 0.20 12.92	Number 0 0 57	0.00 0.00 27.75	Number 0 0 0	0.00 0.00 0.00	0 0 0 570	0.00 0.00 12.95	Number 95	1.13 1.13 0.00 0.00 (%)	Number 7 7 0	2.31 2.31 0.00 0.00 (%)	74 74 1 0	4.40 4.40 4.00 0.00 (X)	57 57 1 0	11.65 11.65 12.00 0.00 (%)	0 0 859 0	0.0 0.1 2.1 0.1 (%)
Summary of Roadside tem\Vehicle Type Total Weight(ton) Dargo Capacity(ton) Passenger Capacity Travel Distance(km)	OO Surv Passeng Number 0 0 130	er Car Average 0.00 0.00 5.30 0.00	Ligh Number 0 0	0.00 0.00 0.00 12.92 0.00	Number 0 0 57	0.00 0.00 27.75 0.00	Number 0 0 0	0.00 0.00 0.00 0.00	0 0 0 570	0.00 0.00 12.95 0.00	Number 95	1.13 1.13 0.00 0.00	Number 7 7 0	2.31 2.31 0.00 0.00 (%) 85.71	Humber 74	4.40 4.40 4.00 0.00 (X) 93.33	Number 57	11.65 11.65 12.00 0.00 (%) 96.49	0 0 859 0	0.0 0.1 2.1 0.1 (%)
Summary of Roadside tem/Vehicle Type Total Weight(ton) Dargo Capacity(ton) Passenger Capacity Travel Distance(km) Trip Purpose	Passeng Number 0 0 130	0.00 0.00 0.00 5.30 0.00 (%)	Ligh Number 0 0 61	0.00 0.00 0.00 12.92 0.00 (%)	0 0 57 0	0.00 0.00 27.75 0.00 (%)	Number 0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 (%)	0 0 0 570	0.00 0.00 12.95 0.00 (%)	95 95 0 0	1.13 1.13 0.00 0.00 (%)	Number 7 7 0	2.31 2.31 0.00 0.00 (%)	74 74 1 0	4,40 4,40 4,00 0,00 (%) 93,33 6,67	57 57 1 0	11.65 11.65 12.00 0.00 (%) 96.49 3.51	0 0 859 0	0.0 0.0 2.1 0.1 (%) 24 53.6
Summary of Roadside tem\Vehicle Type Total Weight(ton) Cargo Capacity(ton) Passenger Capacity Travel Distance(km) Trip Purpose - Work or Business	Passeng Number 0 0 130 0	0.00 0.00 5.30 0.00 (%) 50.77	Ligh Number 0 0 61 0	0.00 0.00 0.00 12.92 0.00 (%) 68.33 30.00	0 0 57 0	0.00 0.00 27.75 0.00 (%)	Number 0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 (%)	0 0 570 0	0.00 0.00 12.95 0.00 (%) 38.20	95 95 95 0 0	1.13 1.13 0.00 0.00 (%) 77.89	7 7 0 0 6	2.31 2.31 0.00 0.00 (%) 85.71	74 74 1 0	4.40 4.40 4.00 0.00 (%) 93.33 6.67 0.00	57 57 1 0	11.65 11.65 12.00 0.00 (%) 96.49 3.51 0.00	0 0 0 859 0 209 461 4	0.0 0.0 2.0 0.0 (%) 24.3 53.6
Summary of Roadside tem\Vehicle Type Total Weight(ton) Gargo Capacity(ton) Passenger Capacity Fravel Distance(km) Frip Purpose - Work or Business - Private - Tour	Passeng Number 0 0 130 0	0.00 0.00 5.30 0.00 (%) 50.77 41.54 0.77	Ligh Number 0 0 61 0	0.00 0.00 12.92 0.00 (%) 68.33 30.00	0 0 57 0 57 0	0.00 0.00 27.75 0.00 (%) 100.00 0.00	Number 0 0 0 0 0 0	0.00 0.00 0.00 0.00 0.00 (%) 0.00 0.00	0 0 570 0	0.00 0.00 12,95 0.00 (%) 38.20 53.70	95 95 0 0 74 21	1.13 1,13 0.00 0.00 (%) 77.89 22.11	7 7 0 0 6 1	2.31 2.31 0.00 0.00 (%) 85.71 14.29	74 74 1 0	4,40 4,40 4,00 0,00 (%) 93,33 6,67	57 57 1 0	11.65 11.65 12.00 0.00 (%) 96.49 3.51 0.00 0.00	0 0 0 859 0 209 461 4 185	0.0 0.0 2.0 0.0 (%) 24.3 53.6 0.4 21.5
Summary of Roadside tem\Vehicle Type Total Weight(ton) Cargo Capacity(ton) Passenger Capacity Travel Distance(km) Trip Purpose - Work or Business - Private	Passeng Number 0 0 130 0	0.00 0.00 0.00 5.30 0.00 (%) 50.77 41.54	Ligh Number 0 0 61 0	0.00 0.00 0.00 12.92 0.00 (%) 68.33 30.00	0 0 57 0 57 0	0.00 0.00 27.75 0.00 (%) 100.00 0.00	Number 0 0 0 0 0 0	0.00 0.00 0.00 0.00 (%) 0.00 0.00	0 0 0 570 0 217 305	0.00 0.00 12.95 0.00 (%) 38.20 53.70 0.18	95 95 0 0 74 21	1.13 1.13 0.00 0.00 (%) 77.89 22.11 0.00	7 7 0 0 6 1	2.31 2.31 0.00 0.00 (%) 85.71 14.29 0.00	74 74 1 0 70 5	4.40 4.40 4.00 0.00 (%) 93.33 6.67 0.00	57 57 1 0 55 2	11.65 11.65 12.00 0.00 (%) 96.49 3.51 0.00	0 0 0 859 0 209 461 4	0.0 0.0 2.0 0.0

Summary of Roadside OD Survey Results: Station CO-5

tem\Vehicle Type	Passeng	er Car	Ligh	t Bus	Hediu	m Bus	Heavy	Bus	Pickup	(Pass)	Pickup	(Cargo)	44-1	ruck	- 6₩-Tr			Truck	Hotord	ycte
	Humber	Average	Humber	Average	Kumber	Average	Kumber	Average	Rumber	Average	Humber	Average	Number	Average	Number	Average	Number	Average	Number	Averag
Total Weight(ton)	0	0.00	n	0.00		0.00	D	0.00	'n	0.00	152	1.14	3	2.67	87	4.21	122	11.36	0	0.0
Cargo Capacity(ton)	ŏ	0.00	ŏ	0.00	ň	0.00	ŏ	0.00	ň	0.00	152	1.14	3	2.67	87	4.21	122	11.36	Ď	0.0
Passenger Capacity	185	5,56	99	12.85	ň	0.00	86	56.17	439	12.62		0.00	ń	0.00	- 0	0.00	0	0.00	534	2.0
Travel Distance(km)		0.00		0.00	ň	0.00	0	0.00	- 0	0.00	ň	0,00	n n	0.00	ō	0.00	ň	0.00	0	0.1
Trip Purpose	;	(%)		(%)	. *	(%)		(%)	•	(%)		(%)		(%)	. •	(%)	•	(X)		(%)
· Work or Business	123	66.49	78	78.79	n ·	0.00	83	97.65	222	50.68	135	88.82	7	100.00	84	96.55	119	97.54	219	41.0
- Private	54	29.19	17	17.17	ň	0.00	1	1.18	197	44.98	15	9.87	ñ	0.00	~~~	3.45	3	2.46	249	46.
Tour	- 5	2.70		2.02	ň	0.00	1	1.18	174	0.91		0.00	n	0.00	· õ	0.00	ň	0.00	3	0
Others		1,62	£.	2.02	ň	0.00	0	0.00	15	3,42	2	1.32	õ	0.00	ň	0.00	ก	0.00	63	11.
Number of Passenger	185	3,96	99	8,53	ů	0.00	86	32.67	438	2.97	152	2.08	7	5.00	87	1,99	122	1.56	534	1.
	. 103	0.00	77	1.00	ň	0.00	85	2.00	420	0.00		1.40	ő	0.00	2	1.00	39	1.00	1	1.
	: 00 Súrv		s: Statio	n 00-6												-				
Summary of Roadside	: 00 Surv Passeng Number	ey Result er Car	Ligh	t Bus	Medium Number		Heavy Number	Bus Average	Pickup Humber		Pickup Number		4W-T Number	uck Average	6W-Tr	uck Average	10w-1	ruck Average	Motorc Humber	ycle Avera
Summary of Roadside	Passeng	ey Result	Ligh	t Bus																
Summary of Roadside	Passeng	ey Result er Car	Ligh	t Bus																
Summary of Roadside em\Vehicle Type otal Weight(ton)	Passeng Number	ey Result er Car Average 0.00	Ligh	t Bus Average		Average		Average		Average	Number.	Average		Average	Munker	Average		Average	Humber	Avera
Summary of Roadside emlVehicle Type otal Weight(ton) argo Capacity(ton)	Passeng Number O	ey Result er Car Average	Ligh	t Bus Average 0.00	Number 0	Average 0.00	Number 0	Average 0.00		Average 0.00	Number 199	Average		Average 3.00	Number 49	Average 4.67		Average	Humber 0	Avera D.
Summary of Roadside em\Vehicle Type otal Weight(ton) argo Capacity(ton) assenger Capacity	Passeng Number 0 0	ey Result er Car Average 0.00 0.00	Ligh Number 0 0	t Bus Average 0.00	Number 0 0	0.00 0.00	Number 0	0.00 0.00	Humber 0 0	0.00 0.00	Number	1.03	Number 2 2	Average 3.00 3.00	Humber 49 49	4.67 4.67	Number 9 9	10.89 10.89	Humber 0 0	Avera 0. 0. 2.
Summary of Roadside em\Vehicle Type otal Weight(ton) argo Capacity(ton) assenger Capacity ravel Distance(km)	Passeng Number 0 0	er Car Average 0.00 0.00 5.19 0.00	Ligh Number 0 0 23	0.00 0.00 12,13	Number 0 0 11	0.00 0.00 28.18	Number 0	0.00 0.00 46.00	0 0 0 72	0.00 0.00 13.07	Number	1.03 1.03 0.00	Number 2 2 0	3.00 3.00 0.00	49 49 1	4.67 4.67 2.00	Number 9 9	10.89 10.89 0.00	Humber 0 0 422	Aver: 0 0 2
Summary of Roadside em\Vehicle Type otal Weight(ton) argo Capacity(ton) assenger Capacity ravel Distance(km) rip Purpose	Passeng Number 0 0	er Car Average 0.00 0.00 5.19	Ligh Number 0 0 23	0.00 0.00 0.00 12.13 0.00	Number 0 0 11	0.00 0.00 28.18 0.00	Number 0	0.00 0.00 46.00 0.00	0 0 0 72	0.00 0.00 13.07 0.00	Number	1.03 1.03 0.00 0.00	Number 2 2 0	3.00 3.00 0.00 0.00	49 49 1	4.67 4.67 2.00 0.00	Number 9 9	10.89 10.89 0.00 0.00	Humber 0 0 422	D. 0. 2. 0 (%)
Summary of Roadside emtVehicle Type  otal Weight(ton) argo Capacity(ton) assenger Capacity ravel Distance(km) rip Purpose - Work or Business	Passeng Number 0 0 108	ey Result er Car Average 0.00 0.00 5.19 0.00 (%)	Ligh Number 0 0 23	0.00 0.00 0.00 12,13 0.00 (X)	0 0 11 0	0.00 0.00 28.18 0.00 (%)	0 0 30 0	0.00 0.00 46.00 0.00 (%)	0 0 72 0	0.00 0.00 13.07 0.00 (%)	199 199 0 0	1.03 1.03 0.00 0.00 (%)	Number 2 2 0	3.00 3.00 0.00 0.00 (%)	49 49 1	4.67 4.67 2.00 0.00 (%)	Number 9 9 0	10.89 10.89 0.00 0.00 (%)	0 0 422 0 152 255	D. 0. 2. 0. (%) 36. 60.
Summary of Roadside emtVehicle Type  otal Weight(ton) argo Capacity(ton) assenger Capacity ravel Distance(km) rip Purpose - Mork or Business - Private	Passeng Number 0 0 108 0	er Car Average 0.00 0.00 5.19 0.00 (%) 62.96	Ligh Number 0 0 23	0.00 0.00 0.00 12.13 0.00 (X) 86.96	0 0 11 0	0.00 0.00 28.18 0.00 (%)	0 0 30 0	0.00 0.00 46.00 0.00 (%) 96.67	0 0 72 0	0.00 0.00 13.07 0.00 (%) 54.17	199 199 0 0	1.03 1.03 0.00 0.00 (%)	2 2 0 0 0 2	3.00 3.00 0.00 0.00 (%)	49 49 1	4.67 4.67 2.00 0.00 (%) 91.84	Number 9 9 0	10.89 10.89 0.00 0.00 (%) 83.89 11.11 0.00	0 0 422 0	0.0 0.2 0.0 (%) 36-60.3
Summary of Roadside em\Vehicle Type  otal Weight(ton) argo Capacity(ton) assenger Capacity ravel Distance(km) rip' Purpose - Mork or Business - Private - Tour	Passeng Number 0 0 108 0	er Car Average 0.00 0.00 5.19 0.00 (%) 62.96 29.63	Ligh Number 0 0 23	0.00 0.00 0.00 12.13 0.00 (X) 86.96 8.70	0 0 11 0	0.00 0.00 28.18 0.00 (%) 100.00 0.00	0 0 30 0	0.00 0.00 46.00 0.00 (%) 95.67 0.00	0 0 72 0	0.00 0.00 13.07 0.00 (%) 54:17 41.67	199 199 0 0	1.03 1.03 0.00 0.00 (%) 77.39 22.11	2 2 0 0 0 2	3:00 3:00 0:00 0:00 (%) 100:00 0:00	49 49 1	4.67 4.67 2.00 0.00 (%) 91.84 8.16	9 9 0 0 0 8 1	10.89 10.89 0.00 0.00 (%) 88.89 11.11	0 0 422 0 152 255	0.0 0.2 0.0 (%) 36-60.3
	Passeng Number 0 0 108 0	er Car Average 0.00 0.00 5.19 0.00 (%) 62.96 29.63 7.41	Ligh Number 0 0 23	0.00 0.00 0.00 12.13 0.00 (X) 86.96 8.70 4.35	0 0 0 11 0	0.00 0.00 28.18 0.00 (%) 100.00 0.00	0 0 30 0	0.00 0.00 46.00 0.00 (%) 96.67 0.00 3.33	0 0 72 0	0.00 0.00 13.07 0.00 (%) 54:17 41.67 4.17	199 199 0 0	1.03 1.03 0.00 0.00 (%) 77.39 22.11 0.50	2 2 0 0 0 2	3100 3.00 0.00 0.00 (%) 100.00 0.00	49 49 1	4.67 4.67 2.00 0.00 (%) 91.84 8.16 0.00	9 9 0 0 0 8 1 0	10.89 10.89 0.00 0.00 (%) 83.89 11.11 0.00	0 0 422 0 152 255 14	Avera D.

Summary of Roa	dside 00	Survey	Results:	Station	00-7
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Number   Average   Number   Av	ltem\Vehicle Type	Passeng	ger Car	Ligi	ht Bus	Nedi	ium Bus	Reav	y Bus	Pickup	(Pass)	Pickup	(Cargo)	411-	ruck	6W-Tr	uck	10v-1	ruck	Hotore	ycle
Cargo Capacity(ton) 0 0.00 0 0.00 0 0.00 0 0.00 3 1.00 102 1.08 3 2.33 66 4.53 110 10.70 0 Passenger Capacity 155 5.22 32 12.75 27 29.07 75 46.99 432 13.90 0 0.00 0.00 0	er i de la Santa de la Santa de la Santa de la Santa de la Santa de la Santa de la Santa de la Santa de la San La compansa de la Santa de	Number	Average	Number	Average	Number	Average	Number	Average	Number	Average				Average	Number	Average	Number	Average	Number	Average
Cargo Capacíty(ton) 0 0.00 0 0.00 0 0.00 0 0.00 3 1.00 102 1.08 3 2.33 66 4.53 110 10.70 0 Passenger Capacíty 155 5.22 32 12.75 27 29.07 75 46.99 432 13.90 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 262 Travel Distance(km) 0 0.00 0.00 0.00 0 0.00 0	Total Maight/top)		0.20		0.00		0.00		0.00		1.00	102	1 60		2 27		/ 53	110	10. 70		0.00
Passenger Capacity 155 5.22 32 12.75 27 29.07 75 46.99 432 13.90 0 0.00	• •	0		ū		. 0		G		3											0.00
Travel Distance (km) 0 0.00 0.00 0.00 0 0.00 0.00 0		155		32		- 27		75		432		0		(		0		0	0.00	262	2.00
- Nork of Business 43 27,92 27 84,38 24 88,89 59 78.67 130 30.09 78 77.23 3 100.00 66 100.00 108 98,18 61 - Private 61 39,61 3 9.38 2 7,41 1 1.33 236 54,63 16 15,84 0 0.00 0 0.00 2 1.82 187 - Jour 49 31.82 2 6,25 1 3.70 15 20,00 66 15,28 5 4.95 0 0.00 0 0.00 0 0.00 14 - Others 1 0.65 0 0.00 0 0.00 0 0.00 0 0.00 2 1.98 0 0.00 0 0.		0	0.00	0	0.00	. 0	0.00	0	0.00	0	0.00	0	0.00	(	0.00	0	0.00	0	0.00	. 0	0.00
- Private 61 39.61 3 9.38 2 7.41 1 1.33 236 54.63 16 15.84 0 0.00 0 0.00 2 1.82 187 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Trip Purpose	1. 1	(%) ∘		(%)	100	(%)		· · (%)		(%)	11.7	(%)		(%)		: (%)		(%)		(%)
- Tour 49 31.82 2 6.25 1 3.70 15 20.00 66 15.28 5 4.95 0 0.00 0 0.00 0 0.00 14 - Others 1 0.65 0 0.00 0 0.00 0 0.00 0 0.00 2 1.98 0 0.00 0 0.0	- Work or Business	. 43	27.92	27	84.38	24	88.89	. 59	78.67	130	30.09	78	77.23	3	100,00	66	100.00	108	98.18	61	23.28
- Others 1 0.65 0 0.00 0 0.00 0 0.00 0 0.00 2 1.98 0 0.00 0.00 0.00 0 0.00 0.00 0 0.00	- Private	6)	39.61	3	9.38		7.41	. i	1.33	236	54.63	16	15.84	. (	0.00	. 0	0.00	. 2	1.82	187	71.37
Number of Passenger 155 3.69 32 7.78 27 14.30 75 36.05 432 3.62 102 2.56 3 2.67 66 2.18 110 1.60 262	- Tour	49	31.82	Z.	6.25	. 1	3.70	. 15	20.00	- 66	15.28	5	4.95		0.00	0	0.00	. 0	0.00	14	5.34
and the same of the same of the same of the same of the same of the same of the same of the same of the same of	- Others	. 1	0.65	0	0.00	0	0.00	0	0.00	Ò	0.00	.2	1.98	. (	0.00	. 0	0.00	0	0.00	. 0	0.00
Number of Assistant 0 0.00 0 0.00 4 1.00 40 1.70 4 1.75 24 1.08 2 1.00 10 1.20 18 1.11 1	Number of Passenger	155	3.69	32	7.78	27	14,30	75	36.05	432	3.62	102	2.56	3	2.67	66	2.18	110	1.60	262	1,58
1 110 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Number of Assistant	0	0.00	. 0	0.00	4	1.00	40	1.70	4	1.25	24	1.08		1.00	10	1.20	18	1.11	1	10.00

#### Summary of Roadside OD Survey Results: Station 00-8

tem\Vehicle Type	Passeng	er Car	Lig	ht Bus	1	lediu	n Bus	Heav	γ Bus	Pickup	(Pass)	Pickup	(Cargo)	4W-1	ruck	17-W6	uck	10W-1	ruck	Potoro	cycle
Artist (1967)	Number,	Average	Number	Average	Numb	ж	Average	Number	Average	Number	Average	Number	Average	Humber	Average	Number	Average	Humber	Average	lumber	Average
	<del></del>						7				<del></del>	<del></del>	- 7 - 0	<del></del>					<del></del>		
Total Weight(ton)	0	0.00	0	0.00	1.5	0	0.00	· · · · · · · · · · · · · · · · · · ·	0.00	0	0.00	154	1.14	11	2.64	66	4.32	. 126	11.71	. 0	0.00
Cargo Capacity(ton)	C	0.00	0	0.00		3	0.00	C	0.00	. 0	0.00	154	1.14		2.64	66	4.32	126	11.71	. 0	0.00
Passenger Capacity	624	5.36	371	14.15		100	29.05	161	48.09	848	13.41	0	0.00	: 0	0.00	0	0.00	0	0.00	1480	2.00
Travel Distance(km)	0	0.00	. 0	0.00	. 1	0	0.00	C	0.00	0	0.00	0	0.00	. 0	0.00	0	0.00	0	0.00	. 0	0.00
Trip Purpose		(%)		(%)			(%)	10 miles 10 miles	(%)		(%)		<b>(X)</b>	70	(%)	2 2	(%)		(%)		(%)
- Work or Business	220	35.26	256	69.00	1.75	95	95.00	143		234	27.66	137	88.96	. 8	72.73	58	87.88	115	91.27	365	24,71
- Private	258	41.35	. 65	17.52		4	4.00	. 4	2.48	446	52.72	11	7.14	3	27.27	6	9.09	7	5.56	836	56.60
- Tour	138	22.12	49	13,21		1	1.00	13	8.07	130	15.37	4	2.60	. 0	0.00	. 0	0.00	1	0.79	188	12.73
- Others	. 8	1.28	1	0.27		0	0.00	1	0.62	36	4.26	. 2	1.30	0	0.00	. 2	3,03	3	2.38	88	5.96
Humber of Passenger	624	2.85	371	7.31	- 1	100	16.91	161	32.03	847	3.22	152	2.07	10	2,30	64	1.86	122	1.70	1476	1.55
Number of Assistant	. 0	0.00	2	1.00		6	1.17	40		1	1.00	10	1.40	2	1.50	19	1.32	21	1.29	. 0	0.00

Loaded Factors by Cargo and Vehicle Type: Station 00-1

Cargo\Vehicle	Pickup	(Cargo)	4W-Tr	uck	6W-Tr	uck	10W-1	ruck
	Number	Average	Number	Average	Humber	Average	Number	Average
1. Rice	0	0.00	a	0.00	2	5,00	. 0	0.00
2. Sand, Gravel	ŏ	0.00	ĭ	1.00	9	3.33	25	10.38
3. Cement and prod.		0.71	1	0.50	5.	3.79	1	9.00
4. Steel	Ô	0.00	ά	0.00	2	1,75	0	0.00
5. Constructo mat.	ă.	0.51	Ď	0.00	. 4	3.75	2	6,50
6. Timber	1	0.25	. 1	2.00	. 4	4.50	4	7.00
7. Firewood	i	0.00	à	0.00	à	0.00	0	0.00
8. Petroleum prod.	4	0.58		0.00	Ô	0.00	. 6	11.00
9. Minerals	n	0.00	Ŏ	0.00	0	0.00	0	0.00
10. Vegetable, Fruit	ŏ	0.74	ĭ	3.00	0	0.00	1 1	8.00
11. Cassava	ń	0.00	ò	0.00	0	0.00	0	0.00
12. Maize	ĭ	0.30	ň	0.00	0	0.00	0	0.0
13. Sugar cane	Ó	0.00	Ď	0.00	0	0,00	0	0.0
14. Bean	ŏ	0.00	· ŏ	0.00	0	0.00	. 0	0.0
15. Jute and prod.	Ď	0.00	Ô	0.00	0	0.00	0	0.00
16. Rubber	ŏ	0.00	õ	0.00	0	0.00	0	0.0
17. Palm	. 0	0.00	ő	0.00	0	0.00	0	0.0
18. Beverages	6	0.61	1	0.50	5	3.55	1	12.0
19. Grocery	2	0.28	0	0.00	4	3.81	6	11.3
20. Live stock	- 6	0.73	1	1.50	2	5.00	4	8.5
21. Fish	. 2	0.50	. 0	0.00	O	0.00	11	10.0
22. Ferti.& Ani.Feed		0.88	0	0.00	4	4.38	1	12.0
23. Household App.	3	1.00	0	0.00	1	3.75	. 1	12.0
24. Other manufac.	6	0.95	. 1	2.00	0	0.00	. 1	12.0
25. All others	21	0.61	1	0.50	12	3.65	7	11.7
26. Unidentified	0	0.00	. 0	0.00	0	0.00	0	0.0
Total	76	0.68	8	1,38	. 54	3.77	61	10.2

Loaded Factors by Cargo and Vehicle Type: Station 00-2

Cargo\Vehicle	Pickup	(Cargo)	4W-1r	uck	6W·Tr	uck	10W-T	ruck
20, 90 (10	Number	Average		Average	Number	Average	Number	Average
, <del></del>	<del></del>	<del></del>	· · · · · · · · · · · · · · · · · · ·	+ 2 <u> </u>		1,111		11
1. Rice	6	0.79	0	0.00	1	5.00	4	9.50
2. Sand, Gravel	1	0.50	1	3.00	17	4.19	22	7.30
3. Cement and prod.	2	0.63	. 0	0.00	5	4.50	3	9.17
4 Steel	2	0.25	1	1.50	0	0.00	3	6.33
5. Constructo mat.	4	0.69	0	0.00	. 5	3.55	4	8.63
6. Timber	4	0.88	0	0.00	. 9	3.69	7	8.57
7 firewood	2	1.00	. 1	1.50	0	0.00	3	8.33
8 Petroleum prod.	. 7	0.51	. 3	0.00	- 3	3.33	18	9.56
9 Minerals	1	1.00	0	0.00	1	5.00	31	10.05
10. Vegetable, Fruit	13	0.73	1	2.00	4	3.88	0	0.00
11 Cassava	0	0.00	0	0.00	0	0.00	. 0	0.00
12. Maize	0	0.00	. 0	0.00	0	0.00	1	7.50
13. Sugar cane	0	0.00	. 0	0.00	0	0.00	0	0.00
14. 8ean	0	0.00	0	0.00	0	0.00	0	0.00
15. Jute and prod.	0	0.00	0	0.00	. 0	0.00	. 0	0.00
16. Rubber	3	0.75	1	2.00	3	3,42	2	10.00
17. Palm	1	0.25	0	0.00	. 0	0.00	0	0.00
18. Beverages	2	0.38	1	1.50	2	5.00	4	10.50
19. Grocery	4	0.60	0	0.00	2	5.00	2	9.00
20. Live stock	8	0.66	O	0.00	. 5	3.90	2	5.50
21. Fish	0	0.00	. 1	1.50	2	2.50	5	:8.00
22. ferti.& Ani.Feed	ó	0.83	0	0.00	3	2.50	. 9	7.78
23. Household App.	7	0.64	. 0	0.00	1 1 T	4.00	. 0	0.00
24. Other manufac.	6	0.71	0	0.00	2	4.38	. 1	10.00
5. All others	23	0.74	3	1.00	. 9	3.14	. 11	10.41
26. Unidentified	0	0.00	0	0.00	0	0.00	0	0.00
Total	102	0.70	10	1.60	74	3.83	132	8.95

Loaded Factors by Cargo and Vehicle Type: Station 00-3

Cargo\Vehicle	Pickup	(Cargo)	44-Tr	uck	6W-Tr	uck	. 10W-T	ruck
di go (10111011	Number	Average	Number	Average	Number	Average	Number	Average
				0.00		4,50	2	10.50
1. Rice	7	0.85	0	0.00	2		26	8.48
2. Sand, Gravel	0	0.00	0	0.00	4	3.44		15.00
3. Cement and prod.		0.25	0	0.00	3	3.33		7.50
4. Steel	. 3	0.62	.0	0.00		0.00	2	
5. Constructn mat.	4	0.93	0	0.00		0.00	]	2.50
.6. Timber	4	0.81	0	0.00	2	3.00	. 6	7.00
7. Firewood	0	0.00	0	0.00	. 0	0.00	. 0	0.00
8. Petroleum prod.	4	0.53	0	0.00	3	4.17	. 6	10.00
9. Minerals	0	0.00	. 0	0.00	0	0.00	0	0.00
10. Vegetable, Fruit	12	0.67	0	0.00	. 6	4.17	1	6.00
11. Cassava	2	1.00	0	0.00	0	0.00	0	0.00
12. Maize	. 0	0,00	. 0	0.00	. 0	0.00	0	0.00
13. Sugar cane	0	0.00	0	0.00	0	0.00	0	0.00
14. Bean	0	0.00	0	0.00	0	0.00	. 1	12.00
15. Jute and prod.	0	0.00	. 0	0.00	a , -, 0	0.00	0	0.00
16. Rubber	: 0		0	0.00	0	0.00	2	8.00
17. Palm	Ŏ	0.00	. 0	0.00	0	0.00	0	0.00
18. Beverages	3	0.67	0	0.00	0	0.00	2	12.00
19. Grocery	8	0.86	Ō	0.00	0	0.00	1	10.00
20. Live stock	17		ā	0.00	3	4,58	4	9.88
20. Eive Stock 21. Fish	12		Õ	0.00	5	4.30	4	6.25
21. Fish 22. Ferti.& Ani.Feed		0.80	Ψ.	0.00	5	3.15	. 9	11.22
23. Household App.	1	1,20	ŏ	0.00	3	4.58	2	6.25
24. Other manufac.	ž	0.50	D	0.00	õ	0.00	. 0	0.00
	28		.0	0.00	12	3.48	7	7.64
25. All others	40 0	0.00	ű	0.00		0.00	Ò	0.00
26. Unidentified		0.00	·	0.00	J			
Total	112	0.77	0	0.00	48	3.81	79	8.93

Loaded Factors by Cargo and Vehicle Type: Station 00-4

Cargo\Vehicle	Pickup	(Cargo)	4W-Tr	uck	6W-Tr	uck	10W-T	ruck
	Number	Average	Number	Average	Number	Average	Humber	Average
4 02	4	0.90	0	0.00		5.00	. 0	0.00
1. Rice	4	1.20	Ů.	0.00	3		4	8,38
2. Sand, Gravel	. 3	0.45	0	0.00	2	2.50	,	12.00
3. Cement and prod.	2		0	0.00		0.00	1	7.50
4. Steel	0	0.00			2	5.00	0	0.00
5. Constructn mat.	5	0.90	. 2	0.53	2	3.75	. 6	10.33
6. Timber	4	1.13	0	0.00		0.00	1.7	21,00
7. Firewood	: 0	0.00	0	0.00	Ů		1	5.00
8. Petroleum prod.	. 2	0.40	0	0.00	1	3.75		0.00
9. Minerals	. 0	0.00	0	0.00	0	0.00	ņ	
10. Vegetable, Fruit	. 3	0.75	. 0	0.00	. 0	0.00	9	0.00
1. Cassava	0	0.00	0	0.00	0	0.00	0	0.00
2. Maize	O .	0.00	. 0	0.00	0	0.00	0	0.0
3. Sugar cane	0	0.00	0	0.00	0	0.00	0	0.0
4. 8ean	. 0.	0.00	0	0.00	0	0.00	0	0.0
5. Jute and prod.	0	0.00	. 0	0.00	0	0.00	0	0.0
l6. Rubber	8	0.97	0	0.00	. 2	4.50	. 1	12.0
17. Palm	ō	0.00	0	0.00	0	0.00	. 0	0.0
8. Beverages	1	1.20	1	1,00	1	4.00	0	0.00
19. Grocery	10	0.86	Ô	0.00	0	0.00	0.	0.0
	1	1.20	Ŏ	0.00	0	0.00	0	0.0
0. Live stock	2	0.75	Ď	0.00	ß	0.00	- 6	0.0
21. Fish		1.00	Õ	0.00	n	0.00	1	8.0
2. Ferti.& Ani.Feed	(	0.60	Ö	0.00	<b>1</b> 1	2.00	0	0.0
3. Household App.	1	4.2	0	0.00	1	1.00	Ġ	0.0
24. Other manufac.	2	1.05	-	2.13	14	3.73	~ T	3.0
25. All others	25	0.92	2		. 0	0.00	n	0.0
26. Unidentified	0	0.00	0	0.00				, N
Total	78	0.89	5	1.26	32	3.68	18	9.7

Loaded Factors by Cargo and Vehicle Type: Station 00-5

Cargo\Vehicle	Pickup	(Cargo)	44-11	uck	6W-Tr	uck	10W-1	ruck
	Number	Average	Number	Average	Number	Average	Number	Average
<u></u>								
1. Rice	2	1.10	0	0.00	1	5.00	0	0.00
2. Sand, Gravel	0	0.00	0	0.00	7	3.21	23	10.13
3. Cement and prod.	2	1.05	0	0.00	1.0	0.00	. 0	0.00
4. Steel	0	0.00	0	0.00	0	0.00	1	12.00
5. Constructo mat.	5	1.02	0.	0.00	0	0.00	4	13.50
6. Timber	. 2	1.10	- 0	0.00	. 0	0.00	1	5.00
7. Firewood	0	0.00	0	0.00	. 0	0.00	. 0	0.00
8. Petroleum prod.	0	0.00	0	0.00	. 3	3.58	. 10	11.40
9. Minerals	0	0.00	0	0.00	0	0.00	0	0.00
10. Vegetable, Fruit	17	0.83	. 8	0.00	0	0.00	. 0	0.00
11. Cassava	1	0.90	0	0.00	0	0.00	0	0.00
12. Maize	0	0.00	0	0.00	. 0	0.00	0	0.00
13. Sugar cane	0	0.00	0	0.00	0	0.00	. 0	0.00
14. Bean	0	0.00	0	0.00	0	0.00	0	0.00
15. Jute and prod.	0	0.00	. 0	0.00	- 0	0.00	. 0	0.00
16. Rubber	25	0.95	. 0	0.00	9	4.07	7	11.14
17. Palm	1	1.20	0	0.00	0	0.00	0	0.00
18. Beverages	3.	0.77	1	0.75	. 1	3.75	3	12.00
19. Grocery	. 2	1.10	. 0	0.00	: 3	5.00	1	12.00
20. Live stock	3	1.20	. 0	0.00	O	.0.00	0	0.00
21. Fish	12	0.95	. 0	0.00	. 6	3.73	3	12.00
22. Ferti & Ani Feed	4	0.95	0	0.00	1	5.00	1	9.00
23. Household App.	4.	0.98	0	0.00	. 1	3.75	0	0.00
24. Other manufac.	4	0.98	0	0.00	2	2.50	0	0.00
25. All others	27	0.87	0	0.00	17	3.85	2	11.00
26. Unidentified	. 0	0.00	0	0.00	.0	0.00	, 0	0.00
Total	114	0.93	1	0.75	51	3.83	56	10.91

Loaded Factors by Cargo and Vehicle Type: Station 00-6

1. Rice	Number	Average	Number	Average	Bi mbac		***	
1 Pice					HORISOCI	Average	Number	Average
	2	0.75	0	0.00	0	0.00	0	0.00
2. Sand, Gravel	1	0.75	. 0	0.00	. 2	3.75		0.00
- ·	1	1.00	0	0.00	0	0.00	. 0	0.00
<ol> <li>Cement and prod.</li> <li>Steel</li> </ol>	ģ	0.00	0	0.00	0	0.00	0	0.00
5. Constructo mat.	0	0.00	0	0.00	. 3	3.83	1	8.00
6. Timber	3	0.83	0	0.00	.0	0.00	Ó	0.00
7. Firewood	0	0.00	. 0	0.00	.0	0.00	. 0	0.00
	•		. 0	0.00	.u 5	4.00		12.00
8. Petroleum prod.	0 2	0.70 0.00	0	0.00	0	0.00	0.	0.00
9. Minerals	•		•	0.00	0.	0.00	. 0	0.00
10. Vegetable, Fruit	-	0.58	0	0.00	-	0.00	0.	0.00
1. Cassava	0	0.00	0	0.00	0	0.00	0	0.00
12. Maize	0	0.00		0.00	· 0	0.00	0	0.00
i3. Sugar cane	0	0.00 0.00	0			0.00	0	0.00
4. Bean	0	0.00	0	0.00 0.00	0	0.00		0.00
5. Jute and prod.	•			0.00		5.00		12.00
6. Rubber	16	0.02	0		4	5.00	Û	0.00
7. Palm	0	0.00	0	0.00 0.00	2	2.50	Ů	0.00
8. Beverages	0		. 0		2	5.00	0	0.00
9. Grocery	3	0.90	0	0.00		0.00	8	0.00
O. Live stock	8	1.05	0	0.00	<b>U</b>	1.50	1	4.00
1. Fish	1	0.74	0	0.00		0.00	. 1	0.00
2. Ferti.& Ani.Feed	•	0.50	0	0.00	U	5.00	0	0.00
3. Household App.	0	0.00		0.00			0	0.00
4. Other manufac.	4	0.63	0	0.00		5.00	1	•
5. All others	18	0.59	1	1.50	5	4.20	1	7.50
6. Unidentified	0	0.00	0	0.00	0	0.00	0.	0.00
Total	71	0.66	1	1.50	28	4.16	5	8.70

Loaded Factors by Cargo and Vehicle Type: Station 00-7

Car	go\Vehicle	Pickup	(Cargo)	4W-11	ruck	6W-11	uck	10W-1	ruck
		Number	Average	Number	Average	Number	Average	Number	Average
1	Rice	0	0.00	0	0.00	0	0.00	1	8.00
	Sand, Gravel	Ğ	0.00	1	2,25	. 8	3,50	12	7.67
	Cement and prod.	. 0	0.00	'n	0.00	1	2.50	9	8,67
	Steel	0	0.00	Ö	0.00	ż	2.50	3	7.83
	Constructo mat.	1	0.50	. 0	0.00	2	3.25	0	0.00
	Timber	ů.	0.00	. 0	0.00	n n	0.00	ž	9.75
	Firewood	. 0	0.00	0	0.00	. 0	0.00	. 0	0.00
	Petroleum prod.	1	0.75	Ô	0.00	0	0.00	4	15.00
	Minerals	n	0.00	0	0.00	ñ	0.00	0	0.00
	Vegetable, Fruit	7	0.89	n n	0.00	û	0.00	ň	0.00
	Cassava	'n	0.00	. 0	0.00	Û	0.00	ň	0.00
	Maize	. 0	0.00	. 0	0.00	Ď	0.00	Ď	0.00
	Sugar cane	Ð	0.00	0	0.00	Ď	0.00	õ	0.00
	Sean	ñ	0.00	0	0.00	Ô	0.00	Õ	0.00
	Jute and prod.	.0	0.00	o o	0.00	ŏ	0.00	Ō	0.00
	Rubber	. 0	0.00	Õ	0.00	0	0.00	0	0.00
	Palm	ñ	0.00	ő	0.00	Ō	0.00	0	0.00
	Beverages	1	0.50	Ō	0.00	0	0,00	0	0.00
	Grocery	1	1,00	Ö	0.00	1	4.00	0	0.00
	Live stock	. 0	1.01	0	0.00	2	4.00	3	11.00
	Fish	15	0.79	ā	0.00	2	3.13	. 3	8.00
	Ferti.& Ani.Feed	. 0	0.00	0	0.00	0	0.00	. 2	8.50
	Household App.	. 1	0.30	Õ	0.00	. 5	2.75	0	0.00
	Other manufac.	1	0,25	0	0.00	2	3.75	. 0	0.00
	All others	15	0.73	. 1	1.00	4	3.81	9	8.61
	Unidentified	. 0	0.00	0	0.00	0	0.00	0	0.00
	Total	52	0.80	2	1.63	26	3.40	48	9.01

Loaded Factors by Cargo and Vehicle Type: Station 00-8

Cargo\Vehicle	Pickup	(Cargo)	4₩-Tε	uck	6W-Tr	uck	10W-T	ruck
	Number	Average	Number	Average	Number	Average	Number	Average
		2 00		0.00		0.00	0	0.00
1. Rice	0	0.00	0	0.00 1.50	0 3	3.50	13	8,42
2. Sand, Gravel	2	0.88	1		_	0.00	10	11.35
3. Cement and prod.	4	0.50	0	0.00	0		10	6.00
4. Steel	. 3	0.52	. 0	0.00	0	0.00		7.83
5. Constructn mat.	3	0.33	0	0.00	3	2.67	3	
6. Timber	2	0.75	1	0.75	1	3.00	4	11.50
7. Firewood	1	0.90	. 0	0.00	1	5.00		5.00
8. Petroleum prod.	. 4	0.43	1	0.75	0	0.00	4	12.50
9. Minerals	. 0	0.00	0	0.00	. 0	0.00	0	0.00
10. Vegetable, Fruit	14	0.65	0	0.00	2	1.63	1	6.00
ll. Cassava	.0	0.00	0 .	0.00	.0	0.00	. 0	0.00
l2. Haize	0	0.00	0	0.00	0	0.00	0	0.00
13. Sugar cane	0	0.00	. 0	0.00	. 0	0.00	0	0.00
14. 8ean	. 0	0.00	0	0.00	0	0.00	0	0.00
15. Jute and prod.	0	0.00	. 0	0.00	0	0.00	0	0.00
16. Rubber	1	0.30	0	0.00	1	5.00	. 1	12.00
17. Palm	0	0.00	0	.0.00	0	0.00	Ó	0.00
18. Beverages	. 3	0.58	1	2.00	. 0	0.00	5	.17.20
19. Grocery	7	0.76	. 0	0.00	1	1.50	0	0.00
20. Live stock	7	0,48	Q	0.00	1	5.00	0	0.00
21. Fish	14	0.82	0	0.00	3	3.67	3	8.6
22. Ferti.& Ani.Feed	1	1.20	0	0,00	0	0.00	1	8.0
23. Household App.	1	0.90	0	0.00	6	0.00	. 0	0.0
24. Other manufac.	9	0.76	2	2.50	6	2.71	2	7.5
25. All others	28	0.56		1,50	7	4.04	16	7.8
26. Unidentified	0	0.00	Ō	0.00	0	0.00	0	0.0
Total	104	0.64	8	1.63	29	3.34	65	9.7

#### Road Inventory Survey A.3

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PROJECT: RIGHT OF WAY LIST TROS KX RIGHT OF WAY TROY KX RICHT OF WAY KM POST RICHT OF WAY LEFT RIGHT LEFT RIGHT LEFT RIGHT ŧ ŧ ŧ ŧ ŧ . . . † ł Ŧ ŧ + ŧ ŧ ŧ + -. 1 ŧ ŧ ł ł . † ŧ ŧ **+** ŧ ł ŧ ŧ ł

NA POST   TYPE+1 NATERIALE   SIZE +3   LENGTH ANGLE +4   E.H +5   RYMARES +6					PROJECT:			CURVEY DAT	A ON	BOX AND PI	PR CULYKRI	•	
† † † † † † † † † † † † † † † † † † †	YAY				TROO MX	TYP8#1	MATERIAL*2	SIZE	<b>*</b> 3	LENGTII	ANGLE #4	R. H * 5	REMARKS *6
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+1 TYPE					+								
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+ 1 TYPE +2 MATERIAL +4 ANGLE +5 EMBANKMENT HEIGTH  1. BOX CULVERT 1. RC 2. PIPE CULVERT 2. STEEL CORRUGATE													
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+1 TYPE									·				
1. BOX CULVERT 1. RC 2. PIPE CULVERT 2. STEEL CORRUGATE				1	+								
1. BOX CULVERT 1. RC / 2. PIPE CULVERT 2. STEEL CORRUGATE	—				1				. · · .	_			
2. PIPE CULVERT 2. STEEL CORRUGATE					\$1 TYPE	‡; PDT	2 MATERIAL		<b>‡4 AN</b>	GLE		±5 EMBANK	MENT HEIGTH
					2. PIPB CUL	YBRT	2. STEEL COR	RUGATE		∕\o_	<del></del>		<b>6</b> 
				(al			1. FAIR 2. FAIR/GOOD			1	e transition	:	
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2. FAIR/GOOD 3. GOOD 4. GOOD/POOR 5. POOR				_ =	- 1		11 0000/1001				10 miles		

SURVEY DATA ON BRIDGE PROJECT; CONSTRUCTION STRUCTURAL MATERIAL #1 SYSTEM #2 A WIDTH OF BRIDGE #3
B C D 8 SPAN AND LENGTH ANGLE OF H. W. L. KM POST NAME ABUTMENT = \* = + . ŧ \* Ξ. ŧ = ŧ

> a. SLAB b. T. SECTION GIRDER

c. BOX GIRDER

+2 SIRUCTURE SYSTEM
1. SIMPLY BEAM
2. CONTINUOUS BEAM

3. RIGIT PRAME

5. SUSPENSION

4. TRUSS

\*1 CONSTRUCTION MATERIAL

1. PE 2. RC

3. STEEL

4. TIMBER

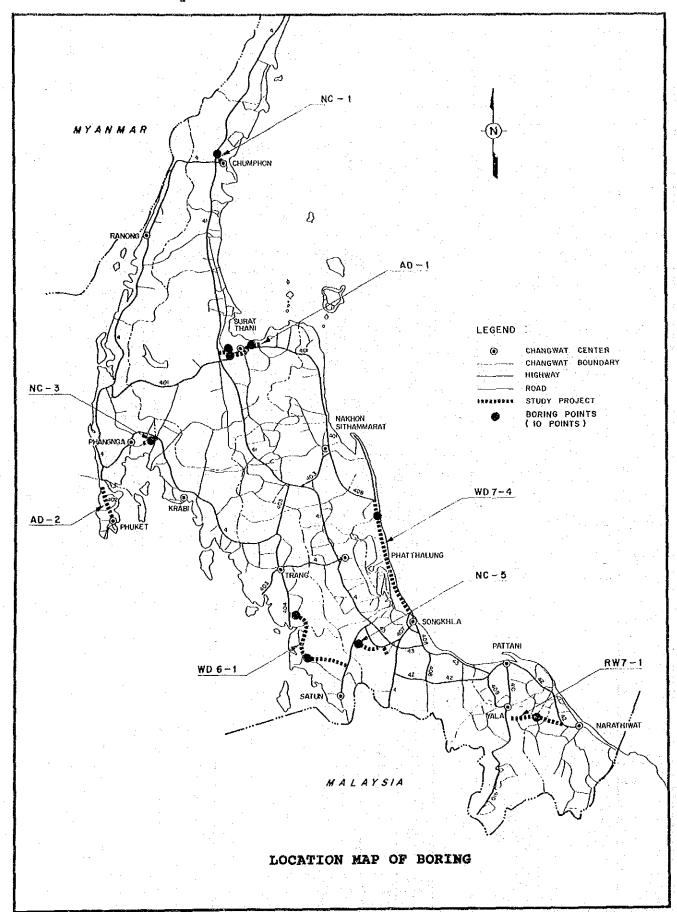
#3 WIDTH OF BRIDGE

\*4 EMBANKMENT HEIGHT

B. M. #4

CONDITIONS

# A.4 Soil Survey

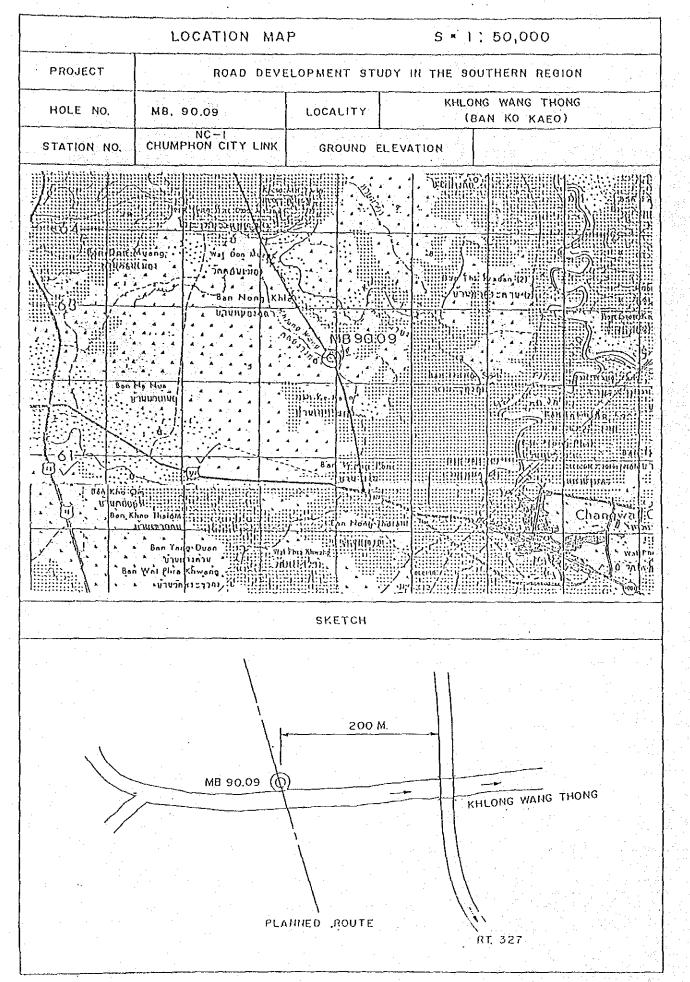


### SUMMARY OF MATERIAL TEST RESULTS

STA	CLASSI	IFICATION	·			SIEVE A	NALYS	is			ATTER	BERG	COMPA	CTION T180			į	ļ	
FROM TO						%PAS	SING		× .		LIMIT	16	MOD	OMC%	CBRW	SWELL	NAT.	SP.GR	WST.DENSITY
KM.			2	11 1/2"	3/4"	3/8	#4	#10	₽40	#200	IJ.	PI	T/M13	9/0	SPANODIUS	, c	9-6	<u> </u>	T/M-3
SPEC FOR SUBGRADE		·		1		!	Ì	17.	1		ì	I	Ì			1	<u> </u>		
3, 43, 43, 43, 43, 43, 43, 43, 43, 43, 4	<u> </u>			Ī	i	i		1	]	i				l	<u> </u>	<u> </u>	<u>:                                      </u>	<u>i                                      </u>	
AD-1 RT 4153 KM, 6+500	· · · · · · · · · · · · · · · · · · ·	sc		1	100	93.10	169.20	150.10	141.80	127,60	24.01	9.31	2.15	8.00	14.00	0.42	7.70		2.071
SURAT-THANI		!	Ī	1	<u> </u>	1	1	Ţ <u> </u>	T -	T	1			Ì	<u> </u>		<u> </u>	<u> </u>	
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AD-2 RT-102 KM.20+000		SM-SC	i	<u> </u>	100	86.80	82.10	72.80	49.80	13.80	25.02	5.43	1.78	11.30	11.00	0.52	11.30	2.38.	1.741
PHUKET-KOK KLOI		<u> </u>	)	1	i			Ī	1		}	Ĺ	<u> </u>	<u> </u>		<u> </u>	<u> </u>	<u> </u>	
	i	i		Ī				1			l	<u> </u>				<u> </u>	<u> </u>	1 1 1	
RW7-1 KM,6	7.5	SM-SC		1	100	97.80	88.80	71.80	42.90	29.30	20.05	4,52	2.17	8.50	12.50	0.75	8.50	1	2.143
RAMAN-TALOHALOE	1		1			-:-	Ì			Į	! <u></u>	<u> </u>		1	1	<u> </u>		<u> </u>	!
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WD7-4 RT408 KM,74+005		SM	i	1	100	89.40	85.70	181 30	67.40	23.90	_N	P	2.09	8.50	14.00	0.46	B.60	2,99	1.72
HUA SAI- SONGKHLA	i -	i		<u> </u>					<u> </u>		1	-	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
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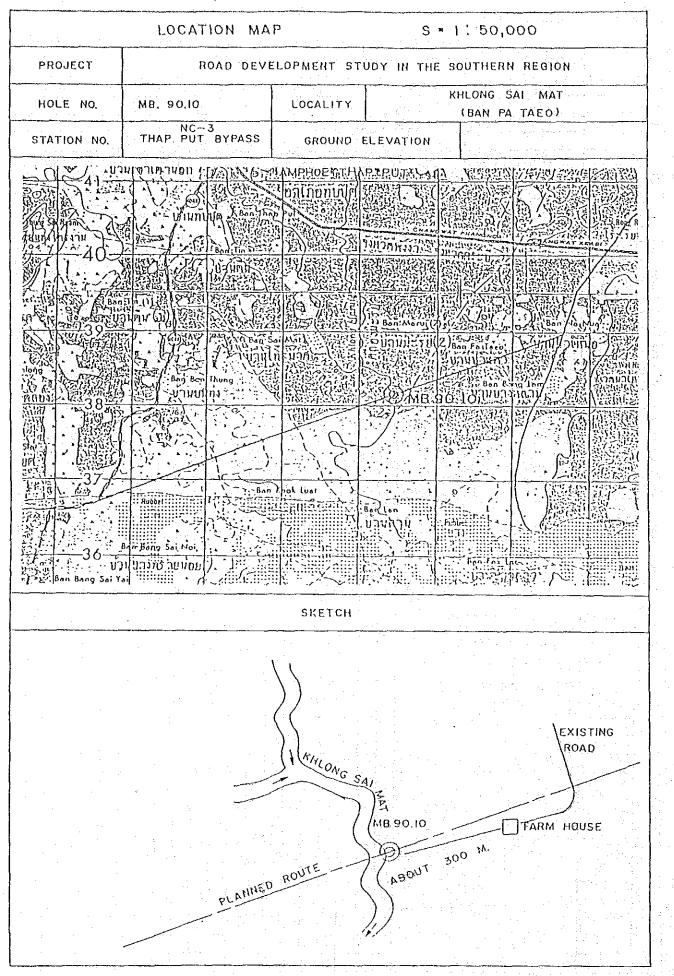
### SUMMARY OF MATERIAL TEST RESULTS

STA.	CLASSI	FICATION	ļ			SIEVE A	WALYS	IS			ATTER	BERG		CTION T180				
FROM TO	AASHTO	uscs	}	·	P .	%PAS	SING	4.3.5			LIMIT	16	MOD	OWC%	CBR%	SWELL	SP.GR	WET DENSIT
KM.			2"	1 1/2*	3/4*	3/8*	34	ј ∄10	₽40	<b>≇200</b>	<u>  u:</u>	Pi	T/M*3	ņ.	(25 MACOUFIED	26		T/M13
SPEC FOR EMBANKMENT	MATERIAL	ta a f	1	į .			l	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	,	!	<u> </u>	<u> </u>
+ 18 (SA)						1					<u> </u>	<u> </u>	<u></u>		<u> </u>	<u> </u>		
NC-1 RT41 KM, 16+200	1	CL	Γ	ĺ	100	91.20	80.70	75.70	72.10	61,50	43.00	16.65	1.88	18.00	10.30	1,37	2.86	<u> </u>
	1	, , , , , , , , , , , , , , , , , , ,			· ·	T	T.		ì			ļ				<u> </u>	<u> </u>	
NC-1 RT4 KM 493+100	i	мн		i	100	94.20	84.90	79.30	73.80	57,80	50.05	19.82	1.80	17.60	9.80	0.21	2.52	
				1			Ι		Ī		<u></u>			<u> </u>	<u> </u>	<u> </u>	ļ <u>.</u>	
NC-3 RT4 KM, 150+200	1	GМ		1	79.5	39.90	24.40	20.10	19.00	14,20	-N	P	2.17	9.00	15.50	0.58	2.83	
	i [		l					]			Ì	1		<u> </u>		<u> </u>	·	
NC~5 RT4135 KM.4	1	CL		1		l	100	97.30	94.00	81.80	30.09	10.37	1.96	10.40	17.50	1.05	2.73	<u> </u>
		!		1	i		1	<u> </u>	1			1	1 2	1	<u> </u>	<u> </u>		<u> </u>
AD-1 RT401 KM.6	1	ML		l	100	98.30	92.50	85.00	178.10	64,50	-N	P	2.02	9.00	9,00	0.34	2,85	2.581
	]			1			1	<u> </u>	<u> </u>	\	<u> </u>	1	<u> </u>	<u> </u>	<u> </u>	1 //	<u> </u>	
AD-1 8T401 KM 23+920		SM					100	99.70	99.40	46,10	-N	P	2.03	11.60	5.80	0.31	2,67	
									<u> </u>			<u> </u>		<u> </u>	<u> </u>			
AD-2 RT402 KM. 34+850		SM				100	99.00	84.00	55.80	44.00	-N	P	1.84	12.80	15.00	0.30	2.80	<u></u>
						<u> </u>	<u> </u>	<u> </u>	<u> </u>		<u></u>				<u> </u>	ļ		
A0-2 RT4 KM 10+800		SC	11			100	95.60	70.50	40.30	28,20	47.00	9.00	1.84	13.00	12.60	1.05	2.82	
								<u> </u>	<u> </u>							ļ		
WD6-1 RT404 KM.39		SM				99.80	95.50	93.70	91.90	32.70	-N	P	1.84	15.70	15.10	0.30	2.75	<u> </u>
	]														<u> </u>		ļ	
FW7-1 RT4058 KM.8+135		MH				100.0	99.40	97.70	68.30	52,90	58,03	18.53	1.71	16.00	18.50	0.35	1.70	1.827
										1								
FW7-1 RT4107 KM.16+160		SM			100	83.20	73.10	51.40	27.40	13.60	-N	P.~	1.98	9.50	*7.02	0.22	2.14	1.796
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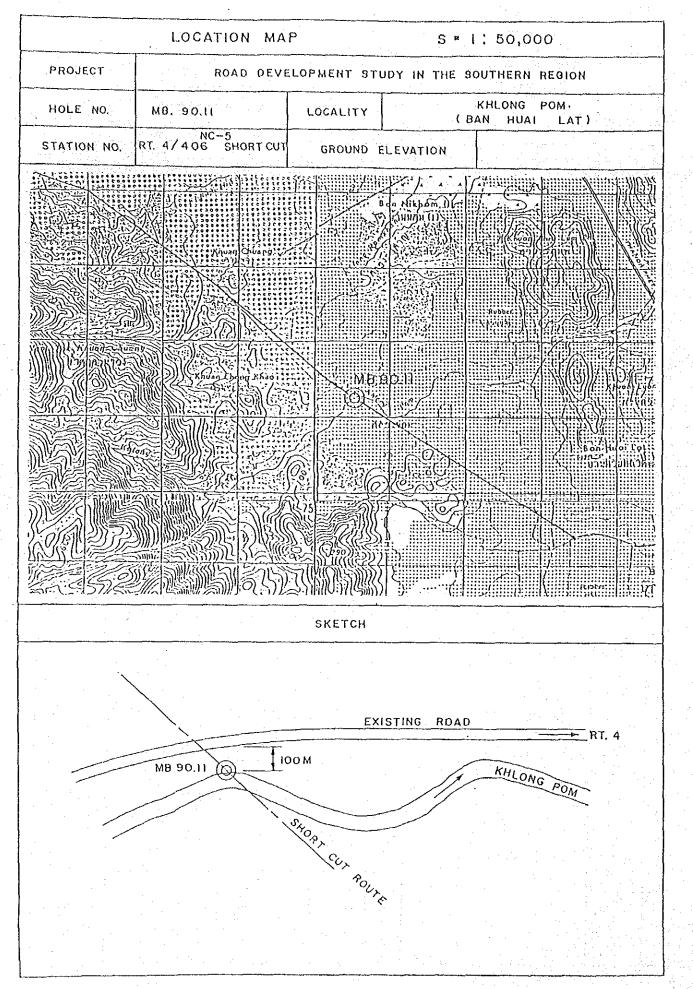
	PROJECT	RDSR :	NC - 1		LOCATION KHLONG WANG	- muono
Ì	BORING NO.	MB 90.0	9		FOCUION VUTONG MUNIC	TNONG
	BORING	DAY	МОМТН	YEAR	GROUND LEVEL	GROUND WATER LEVEL
	STARTED	27	12	1990		-0.30
	COMPLETED	28	12	1990		

DEPTH M	SAMPLE TYPE NO.	SOIL DESCRIPTION		×	Ρ	LAS	IRAL TIC ID L	LIM	HT -		ON	TENT			Ϋ́	Su Աթ/ 2,5	( FV '2 ( 5	T/M 5	Su Su (2)	, ( , 7;	FV ) 5		
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<del></del>		Top soil, loose silty	-	$\Box$						T	$\neg$	1	7	+	Т	-			7	_			
-		clay and plant root 1.00				-						-			$\dashv$				$\dashv$				
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· .·· -	SS-1	Stiff clay,				<u> </u>				_					_]	10		_					
2-		brownish grey (CH)					· ,	_	_		_	_	_						_				
•	SS-2				<i>X</i> 2					]					_	)) (						اــــا	1.2
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4	SS-4	Very stiff silty clay			X	=	-4		-			_	+	-	-	t)	6	_	_	$\neg$	7.	$\neg$	
-		brownish grey (CL)	-	<del>                                     </del>	-	<del> </del>	$\vdash$		$\dashv$	{			-		-	+							
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6~	<u> </u>	Dense clayey sand, yellowish brown (SC)	<u></u>	Ц		<u> </u>									_			_	لــــــــــــــــــــــــــــــــــــــ	$\Box$	$\geq$		50/3
	SS-6	YCTTOWYOU DI OWN (SS)		17	λ-										$\bot$								20/3
7_		7.00		1/	1.					1				_ ].									
	gs-7	Hard silty clay,		D X	-	^	{						$\neg \uparrow$			- [	34	Щ					1
		brownish yellow (CL) 8.00		1		1								寸					$\bigcap$				1
8-	SS-8		남			-	-	-			-	-	-+	-		-					$\vdash$	7	50/2
	33-0	Dense decomposed shale	\	<del>}</del>	ļ	<b> -</b>	-						_	$\dashv$		{							30,2
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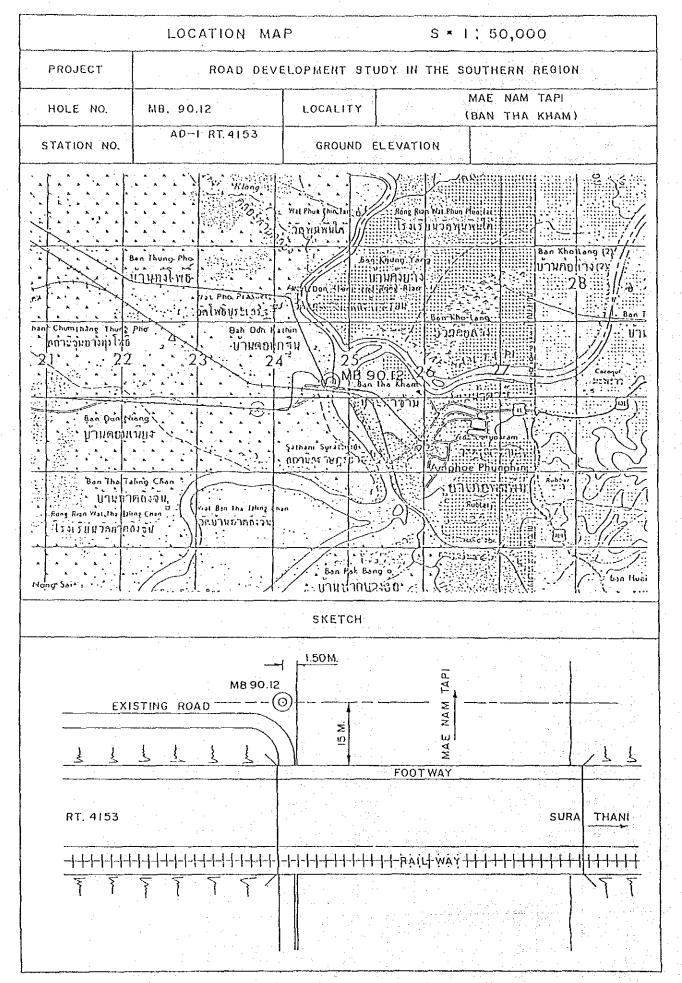
PROJECT	RDSR : N	C - 3		LOCATION KHLONG HU	AT CAT MAG
BORING NO.	MB 90.10		·	FOOVILON KILDING HO	AT OUT IND
BORING	DAY	НТИОМ	YEAR	GROUND LEVEL	GROUND WATER LEVEL
STARTED	11	12	1990		-1.65
COMPLETED	16	12	1990		

DEPTH M	SAMPLE TYPE NO.	SOIL DESCRIPTION		×	) N/ ( PI ( LI	LAS QUI	TIC	LIM	IIŤ			ENT			Δ ×	Su Op/ 2.1	( F\ 2 ( 5	T/N 55 BLC	A 51	'30c)	FV ) S u. )		
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1_	<u> </u>	Loose silty fine sand,				_	_			_		-			_								
	SS-1	brown and grey (SM)		9											۲3								
2-	1	2.50		\		- 1		.	- 1	-					\ \								}
2-	SS-2				р								Т		34.								<u> </u>
·			!									1		$\neg$			7						
3 -	SS-3	Medium to dense silty	P														$\neg$		Ţ.	4			
	1 33-7	fine sand, brown and grey (SM)	11					7	-	1		-		7	7			7					
4_	SS-4	7.50	1		-		$\vdash$	{	-+	+		+	+	$\dashv$	{	+		$\dashv$	<u> </u>	3			
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	SS-7_	Life for the set (ACA)	_	9											_[	24	٠,١				<u> </u>	<u> </u>	
8-		Dense clayey sond		<u>V</u> _		3										]						L_	]
9.	SS-8	greewish grey (SC) and decomposed shale	[ {	λ	Δ								- (										50/
		and decomposed shale 9.50					12												[ ·	Γ			
9-	SS-9	9.30		λ	4													_		T		C	8/2
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 PROJECT	RDSR :	NC - 5			······································	
BORING NO.	MB 90.1	(1		LOCATION KHLONG POM		
BORING	DAY	МОИТН	YEAR	GROUND LEVEL	GROUND WATER	LEVEL
STARTED	17	12	1990		-1.30	
COMPLETED	18	12	1990	<u> </u>		

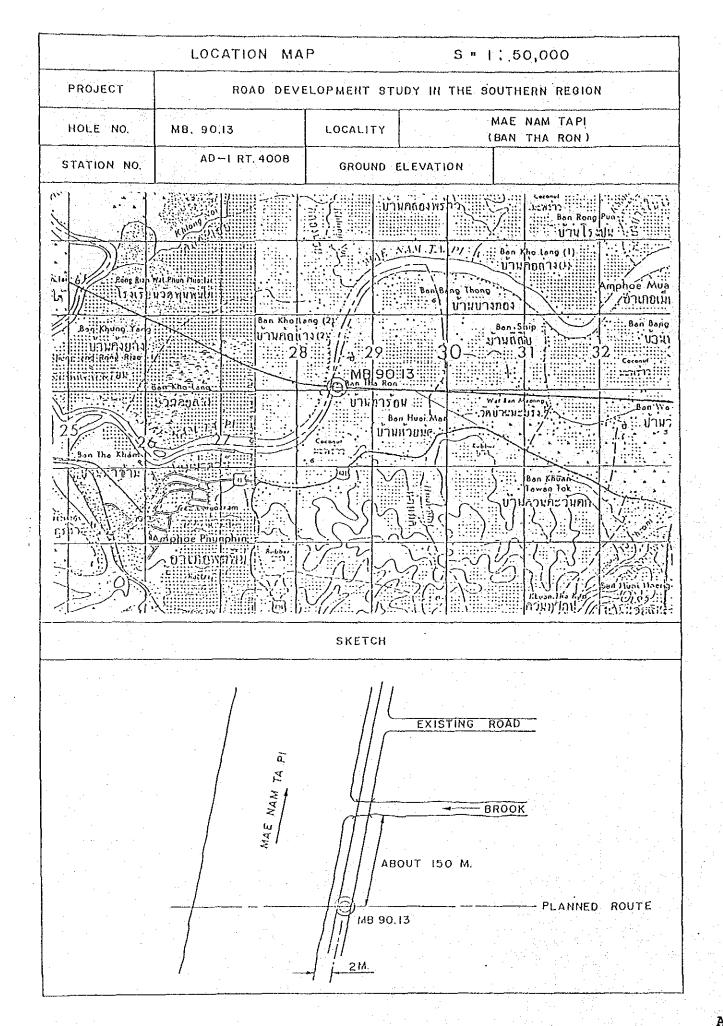
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	ОЕРТН	SAMPLE		O NATURAL WATER CONTENT  X PLASTIC LIMIT												Δ	Su	( I) ( F) /2 (	v ) .	ÁŠι				
	М	TYPE	SOIL DESCRIPTION					25.5										5.	5		7,	5		
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																								lan j
	1 _		Loose silty sand,																					
		ss-1	light grey (SM) 2.50	<u> </u>	<u> </u>	ρ										7								
Į	2 _	ST-l	2.50		1											$\prod$								
		SS-2			P											P	5							
	3 _		Loose sand, poor sorted,													П				3		17		
		SS-3	light grey (SP) 4.50		R.	_										卫	5							
	4 _		4.30		$\bigcap$				-						٦.				7					}
		SS-4			P											P	5							i -
İ	5		Loose silty sand, brown (SM)																					
		SS-5	5.50		9						-					Ц	5_							·· 
	6		Dense clayey sand,		$\prod$																			
Į		SS-6	yellowish brown and reddish brown (SC)		PX	3													,				ᇧ	77
	7 -		9.00		ĺ		•																/	
	, , –	SS-7	Maria de la Carlo	7		Z	ī. —	-	-						_		_			_		72	f	
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١	0 -	ss-8			QX-	Z										-			4	उर्ग			$\neg \uparrow$	
	9 ]																-			-1				
	7	SS-9	Dense, silty sand,		þ	XZΔ															:		П	50/3
-	10 -	127 117	yellowish brown (SC-SM) 10.00		/								_											E0.42
	10 –	SS-10	Dense, silty sand,	3	)								7											50/2
-	11 -		reddish brown (SM) and decomposed granite				7.			•						_								
		SS-ll	11.45	0					_					_										46/2
١	12														_									
1			END OF BORING																					
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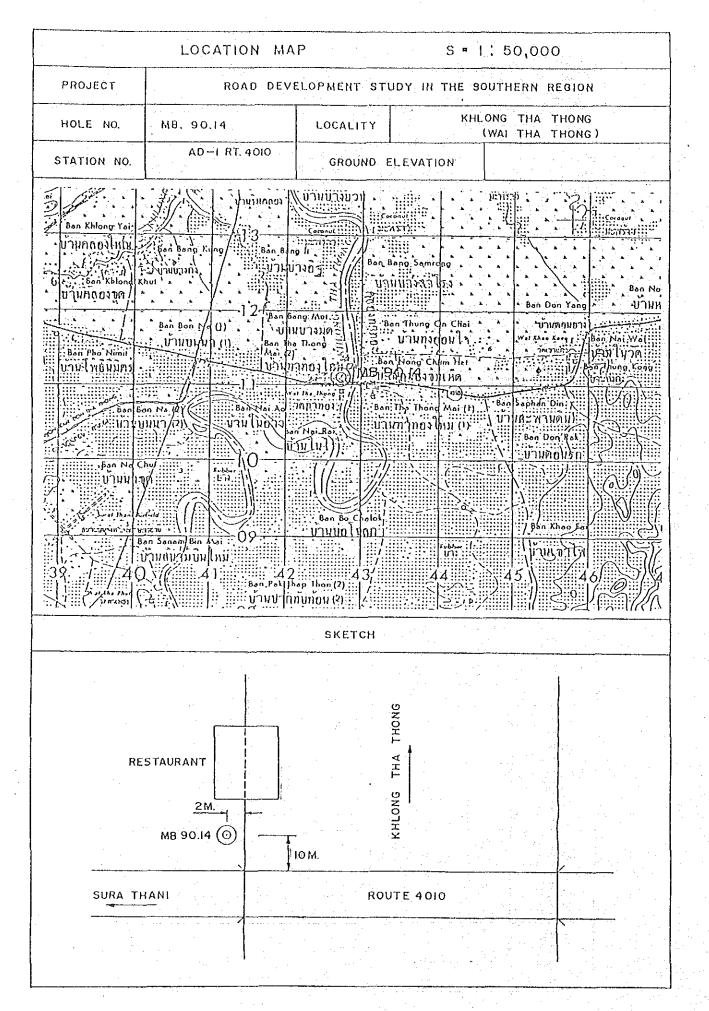
PROJECT	RDSR:	AD - 1		LOCATION No 45 NON 405	DT
BORING NO.	MB 90.1	12		LOCATION MAE NAM TA	
BORING	DAY	нтиом	YEAR	GROUND LEVEL	GROUND WATER LEVEL
STARTED	18	1.2	1990		-1.40
COMPLETED	20	12	1990		

DEP М	· 1	SAMPLE TYPE NO.	SOIL DESCRIPTION		×	Ρ	ATU LAS QUI	TIC	LBJ		R C	ОИТ	ЕN	r		×	Su Op, Z	( F /2 ( 5 .	(C ) ( T/)	Α S (4)	υ' ( 7	.5	)	
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1			Soft clay, brownish grey (CH)								4	_	1	$\downarrow$		_				<u>_</u>	_	L		
ľ	1-		grey (CH) 4,00		X-		<u>,                                    </u>	_	_	4	_	_	_	4	_	_	,	_		L	_	L	ļ	
1	1	SS-1	4,00	-		7	-	4		_	_	4	4	4	_ }	_	3			<u> </u>	_	L	<u> </u>	1
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		SS-2		-		$\overline{}$	~					4	$\dashv$	4	-	-	-	_		_	-	L	-	<b>↓</b> .
	3 —	_ST-2_ SS-3		-		=	-	$\geq$	6		-		-		-#	┰┤	-	-	احتذ	┝	-	-	+-	{ .
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	4 -	50.1		-	X-2	<u>.</u> .				$\dashv$	-	-+	-	-	-[	32	1	-		1	┼-		-	1
1		SS-4	Loose silty sand, dark grey (SM), trace of cla	$\vdash$		-				-1	$\dashv$	_	+	-	-	H		-		$\vdash$	╁╌	-	+	1.
1	5	SS-5	ot depth 4.00, 8.00 and 13.00 m.	1-		÷	H		$\vdash$		7	1	7	7	_	74		-		-	1	1	1-	
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1		ss-15	Medium silty clay, yellowish brown (CL)	-	7		<u> </u> _	F	-				_			12	-	-	1	$\perp$		+-	$\bot$	-
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	19-		Medium to hard silty			V											Ż	1	$\int$			_ _		
-			clay, yellowish brown		<u>`</u>	ſſ		L							L		_	1	6	-				
	20 -	<u> </u>	(CL) 19.50	1	ļ.,	Щ		Ļ.			_	_	L	<u> </u>		L	ļ.,	Ţ	1	1	1	_	1	_
	٠	SS-20	Medium to hard silty		/	Ñ	Ī^	Ľ	L	<u> </u>	<u> </u> _	ļ	<u> </u>		<u> </u> _	_	1_	15	Jķ€	<u>- -</u>	1	$\bot$	_ _	4
Į	21 -		cloy, yellowish brown (CL)	L	-	ĹĹ	12	ļ	<u> </u>	1		_		L	_	_	<del> </del> _	_ _	4	_ _	1	4	_ _	1
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PROJECT	RDSR : A	D - 1		LOCATION BAN THA RON	
SORING NO.	MB 90 .1	3		LOCATION BAN THA RON	
BORING	DAY	МОИТН	YEAR	GROUND LEVEL	GROUND WATER LEVEL
STARTED	<u> </u>	12	1990		-1.25
COMPLETED	23	12	1990		

20 40 60 80 100 20   1   1   1   1   1   1   1   1   1	5 7.5  BLOWS/JOCAL )  40 60
Soft silty clay, dark grey (CL)	
2   ST-1   7.50	
2   ST-1   7.50	
2	
3   ST-2   SS-3	
SS-3	
4   SS-4   SS-5   SS-5   SS-5   SS-5   SS-5   SS-6   SS-6   SS-7   SS-7   SS-7   SS-8   Yellowish brown (CL-ML)   SS-10   SS-10   SS-10   SS-12   Stiff to hard clay dark grey (CL)   SS-13   SS-13   SS-10	
SS-4   SS-5   SS-6   SS-6   SS-7   SS-7   SS-7   SS-8   Yellowish brown (CL-ML)   SS-9   Medium silty clay, yellowish brown (CL)   SS-10   SS-10   SS-12   Stiff to hard clay dork grey (CL)   SS-12   Stiff to hard clay dork grey (CL)   SS-13   SS-13   SS-15   SS-15   SS-16   SS-16   SS-17   SS-17   SS-18   S	
SS-5   SS-6   SS-6   SS-7   SS-7   SS-7   SS-7   SS-8   Yellowish brown (CL-ML)   SS-9   Medium silty clay, yellowish brown (CL)   SS-10   SS-11   SS-12   Stiff to hard clay dork grey (CL)   SS-13   SS-13   SS-15   SS-15   SS-15   SS-16   SS-16   SS-17	
6 SS-6 7 ST-3 8 Soft silty clay, yellowish brown (CL-ML) 9.00 9 SS-9 Medium silty clay, yellowish brown (CL) SS-10 11 SS-11 12 SS-12 Stiff to hard clay dork grey (CL) 13 SS-13 20.50	
SS-6   ST-3   SS-7   SS-7   SS-7   SS-7   SS-8   Soft silty clay, yellowish brown (CL-ML)   SS-9   Medium silty clay, yellowish brown (CL)   SS-10	
ST-3   Sef-7	
SS-7   Soft silty clay.   Yellowish brown   SS-8   Yellowish brown   SS-9   Medium silty clay.   Yellowish brown (CL)   SS-10   SS-10   SS-12   Stiff to hard clay   SS-13   SS-13   SS-13   SS-15   SS-16   SS-16   SS-17   SS-17   SS-17   SS-18	
SS-8   yellowish brown	
SS-8   Vellowish brown   S.00	
SS-9   Medium silty clay, yellowish brown (CL)   SS-10   I2.00   FGA   I3   I4   I5   I5   I5   I5   I5   I5   I5	
10   yellowish brown (CL)	
12.00   F	
12   SS-12   Stiff to hard clay   C	
12   SS-12   Stiff to hard clay   C	32
13 SS-13 Stiff to hard clay dork grey (CL) 20.50	32;
13 SS-13 Stiff to hard clay dork grey (CL) 20.50	
13 SS-13 20.50 XX X	
	124
ss=16	124
15	
SS-15	
16	20
17	
** ss-17	
18	
SS-18	
19 SS-19 X DZ	12   22
	<del>liliii</del>
20 ss-20	[ <sup>[</sup> [В3]]
Hard clay dork grey	
SS-21 (CH) 22,00 (TT TA	1 567
SS-22 Hcrd clay yellowish	
23 SS-23 brown (CL)	46 🖽
24 SS-24 24.50 R 🗘	1 45
Hard silty clpy	
SS-25 yellowish brown (CL-ML)	<u>□</u> 52
END OF SCRING	



SOIL DATA: BORING LOG

PROJECT	RDSR : AC	) - 1		LOCATION THA THONG I	BOTICE
BORING NO.	MB 90.14			LOCATION THA THONG I	BRIDGE
BORING	DAY	НТИОМ	YEAR	GROUND LEVEL	GROUND WATER LEVEL
STARTED	25	12	1990		-1.70
COMPLETED	26	12	1990		

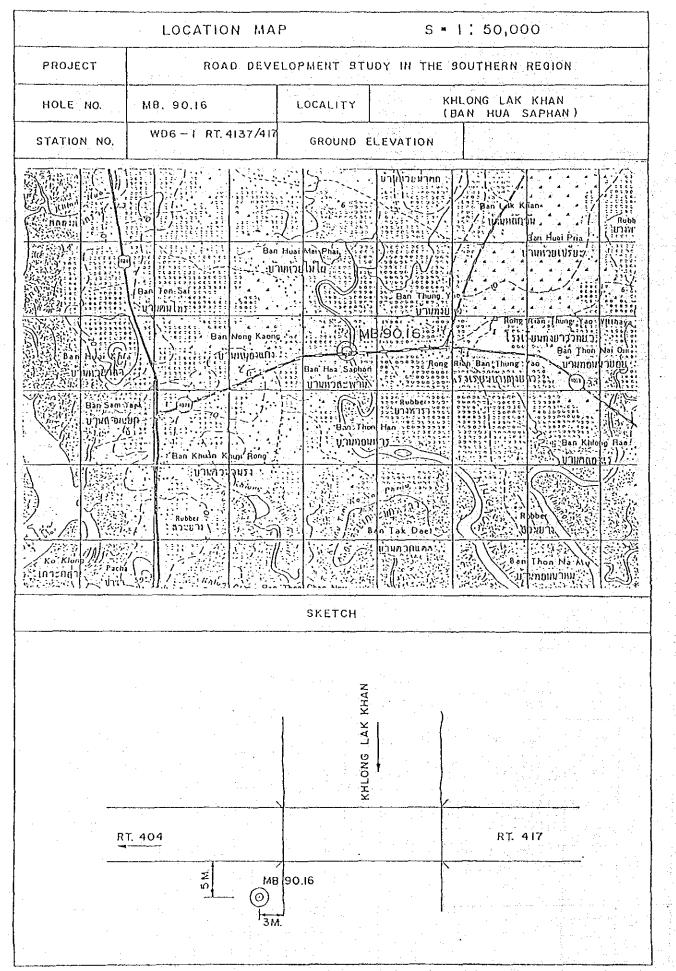
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			Fill material, yellowish brown (SC-SM)				-														-		-
	1	SS-L	1.50		<b>₹</b> =2	≓Ö				-		-				7	3					7	
	2 _		Soft clay, greenish					Y													1		
		SS-2	grey (CH) 3.00			X				C		10				Η_	2		_				_
1	3 ~	ss-3	Loose clayey fine			Х		_,		>-					12.2	_	- 2 °		_		-	$\dashv$	$\dashv$
	•	33-3	sand grey (SC) 4.00	<del>                                     </del>				-		/													-
	4 -	SS-4	Soft clay, greenish			X			-72														
	5 –		grey (CH) 6.00			χ-			Δ.	J	_	_	_	_		П			-			_	_
	-	SS-5	3.00	$\mid$			- 7	-	<u> </u>	4		-	-		$\vdash$	-				$\vdash$		-+	-
	6 –	SS-6		$\vdash$		- X-				1	-	-	-			 			-	H	-		$\dashv$
	.,		Stiff to very stiff silty clay grey (CL)																				
	7 -	SS-7	9.50		X		$\overline{\Delta}$	O.								q	3						
	8 _			_	Ø	$\leq$		_				ļ_	-				7		21				_
		SS-8		-	1		-					-	-	-		-	-	<del>  -</del>	21	-			-
	9 -	SS-9		-	Ø=	_			-			1-		-	-	┢╌	-	H,		$\vdash$			$\dashv$
	10 -		Medium silty sand,															1					
		ss-10	light grey (SM)	_	9				<u> </u>				_	<u> </u>					27	_			Ш
Ì.	11 -			-	1	<u>_</u>	$\Delta$	-		-	$\vdash$	-	ļ.,	-		_	-	-	-	$\frac{1}{1}$	 		$\vdash$
		SS-11	Hard silty clay, grey (CL)	-	7	-		-	├-	<del> </del>	╢	┼-	-	-	-	-	-	-	+		13		
	12 –	SS-12	14.50	-	<del>  </del>	-		-	7	$\vdash$	$\vdash$	<del> -</del>	-	-	-	<del> </del>	<del>                                     </del>	<del>                                     </del>	q	32			
	13 -				1															\			
		SS-13		_		<del> </del>	Ľ		1	_	1	-	-	-	1	-	-	-	1	17	3		
	14 -	SS-14		-	Q.	=	-		<u>                                      </u>	$\vdash$	+-	-	+	$\vdash$	-	-	-	-	+-	+-	+		<del>56</del>
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	15 -	SS-15			OX-		Δ					_								50	区		
	16 -		16.00	-	0X-		_	<u> </u>	-	ļ.	1	-	-	_	-	-	-	-	-	1	-	$\vdash$	-
		SS-16	Hard silty clay, yellow brown (CL)	}	<u> </u>	-	-	<del> -</del>		-	+	+	-	+	+	+	+	+	+	+-	+		H
	17 -	SS-17	17.50		<b>₽</b> ×-	-	+	7	1	-	-	+	$\dagger$	+	-	+	+	1	+	š1	K		
	18 -		Dense clayey sand, yellow brown (SC)								T								I				
	, <b></b> ,	SS-18	yellow brown (3C) 18.50	-	<u>р</u> -	1_	-	14	-	_	_	_ _	+	_	-	-	-		-	1	-	1	
	19 -	SS-19	END OF BORING	-	-	-	-	$\vdash$	-	-	+	-	+	+	-	+	-	+-	+	+-	+	+-	
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Ben Khlong Deen Park Khlong Deen Park Khlong Deen Park Khlong Deen Park Khlong Deen Park Khlong Deen Park Khlong Deen Park Khlong Deen Park Khlong Deen Park Khlong Deen Park Khlong Deen Park Khlong Deen Park Khlong Deen Park Khlong Deen Park Khlong Plai Khlong Park Khlong Plai Khlong Park Khlong Plai Khlong Plai Khlong Plai Khlong Plai Khlong Plai Khlong Park Khen Park Khen Park Khen Park Khen Park Khen Park Khen Park Khen Park Khen Park Khee Park Park Park Park Park Park Park Park		LOCATION M.	A P	S. 4 1: 50,000
STATION NO. WOT-4 RT. 408 GROUND ELEVATION    Gan Nom Ital	PROJECT	ROAD DEV	VELOPMENT ST	UDY IN THE SOUTHERN REGION
SANTON Non Told 100 On Class 1 Dan Fee Reve 1 Dear Fee Reve 1	HOLE NO.	MB, 90,15	LOCALITY	
See Nem Tol. 19. Ou Real Universality Fixed meets  Ben Note Len  Universality Fixed meets  Ben Peak Killeng  Universality Fixed meets  Ben Peak Killeng  Universality Fixed meets  Ben Peak Killeng  Universality Fixed meets  Ben Peak Killeng  Universality Ben Real Real Real Willeng  Universality Fixed meets  Ben Peak Killeng  Ben Peak K	STATION NO.	WD7-4 RT. 408	GROUND (	ELEVATION
KHLONG PAK KHAE	Bon Hua ton  yitukniny  Rong Rlan Char  S 15  Ban Khon  U tu	Son Ting	Khlong Mua  Thong Ting U  Ben Plai Ki  Unidenui  No	Ben Pek Khlong Uniumning  Ben The Khen Uniumning  MB 90.15  Ben Pe Khee Uniumnun  Ben Hue Chung  Mak
KHLONG PAK KHAE			SKETCH	
		T(	B 90.15	KHLONG PAK KHAE

SOIL DATA : BORING LOG

	PROJECT	RD52 ·	WD 7-4			·····			
	BORING NO.	<u>ทุษ</u> 90.1		***************************************	LOCATION	RT. 408 7	44500		
	BORING	DAY	MONTH	YEAR	GROUN	D LEVEL	GROUND	WATER LEVEL	-
	STARTED	26	12	1990			-0.98	· · · · · · · · · · · · · · · · · · ·	7
1	COMPLETED	29	12	1990				<del></del>	Ė

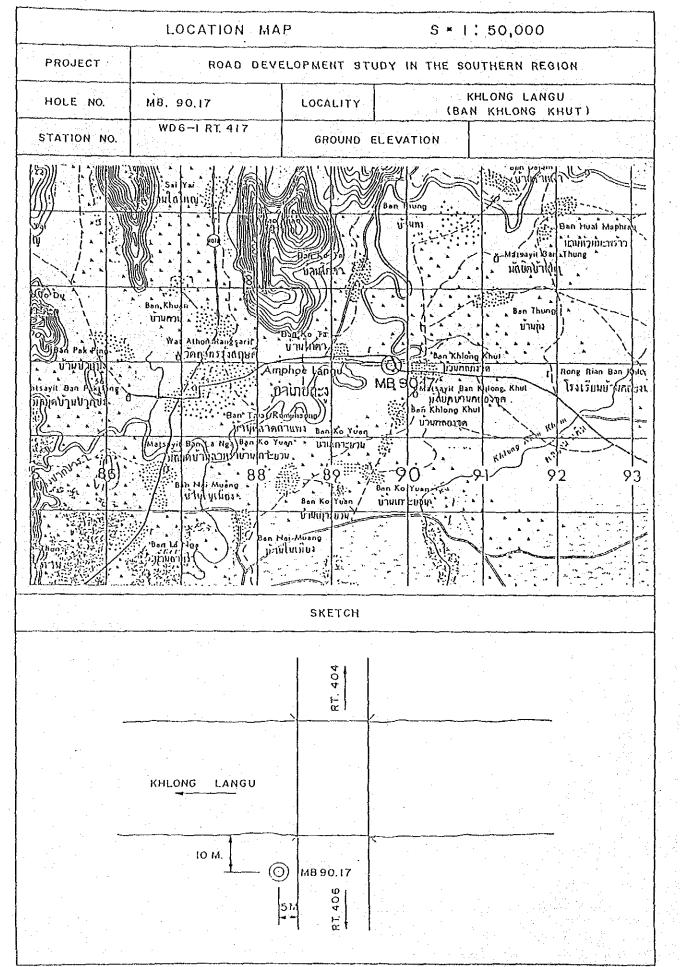
		0ЄРТН М	Sample Type	SOIL DESCRIPTION	O NATURAL WATER CONTENT  X PLASTIC LIMIT  A LIQUID LIMIT	O Su ( UC ) • Sur ( UC )  A Su ( FV ) A Sur ( FV )  × Gp/2 ( T/H <sup>2</sup> )  2,5 5 7,5
•			NO.			CI SPT ( BLOWS/JOCM. )
					20 40 60 80 100	20 40 60
		1		Soft grey, dark grey (CH)		
		-	\$S-1	3.00		
-		2 -	55-2			
		_				
		3.	\$5-3		1 1 1 1 1 1	
_		4				
$\backslash \Gamma$		-	SS-4			
$\setminus$		5 -	SS-5	•		
Ï		6-	ST-1			a I I I I
		Ŭ <b>-</b>	SS-6	Soft grey, dark grey (CH)	1 1 1 1 1 1 1 1	
		7 ~	S5-7	12.50		
		8-				
			SS-8			
5		9	SS-9			
		-	33-7			<del></del>
		10	\$S-10			
		11				
uć		-	SS-11 ST-2			
10.1		12~	SS-12		1 2 2 2	
	* .	13~		Soft clayey fine sand, grey (SC)		
.		13~	58-13	grey (SC) 14.00		
		14-				
. []		15.	SS-14			
			SS-15	Soft clay dark cray		
		16-	05.15	Soft clay, dark grey (CH) 17.00		
			SS-16	And the second second		
		17-	SS-17	Medium to hard clay, light brown (CL)		
		18-		27.50		XIIII
			SS-16	27.30	¢   +	195
		19-	SS-19		1 X 4 + A	19/7
		20				
			55-20			
		21 -	   SS-21			
		22 -				
			SS-22			F1.7
		23	66.33			
			SS~23			<u>                                   </u>
		24	SS-24			1 2 1
		25 –				
4.			\$5-25			[Cl35]
· · · .		26 _	SS-25			
		77	25 23			
÷		27 -	58-27			049
		28 -	<u> </u>	END OF BORING		
 - 2						
<del></del>	<b>I</b>	·	<b></b>			
	A.4-8					



SOIL DATA: BORING LOG

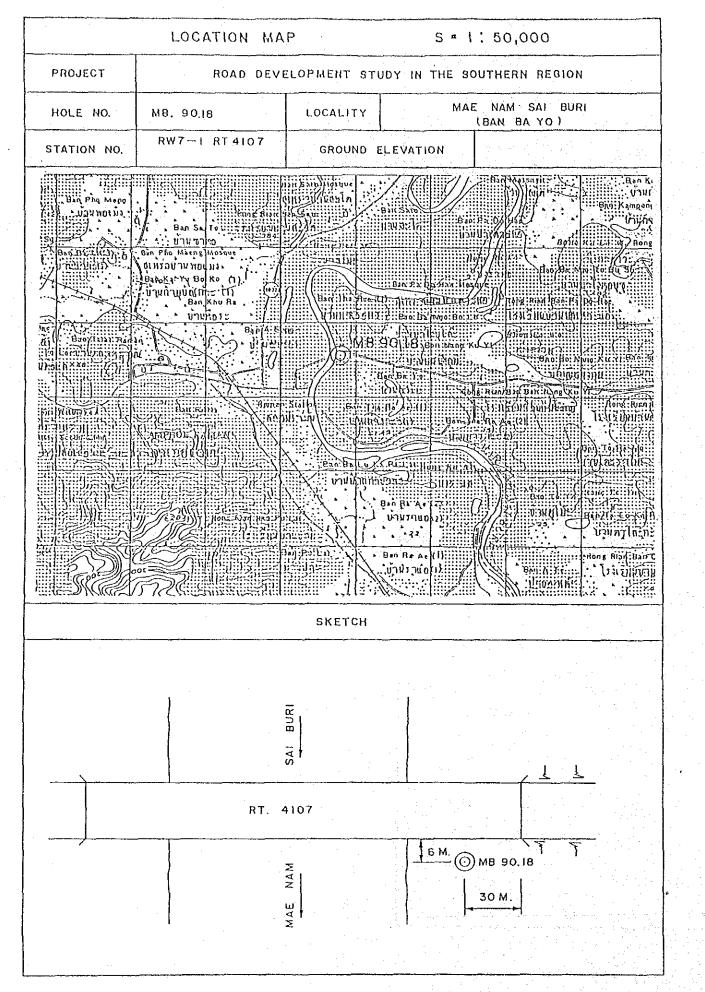
	PROJECT	RDSR :	VD 6-1		LOCATION AMPHOE DAT						
	BORING NO.	MB 90.16	5		LOCATION AMPHOE PALIAN						
1	BORING	DAY	НТИОМ	YEAR	GROUND LEVEL	GROUND WATER LEVEL					
	STARTED	21	12	1990		-1.19					
	COMPLETED	22	12	1990							

	DEPTH M	SAMPL TYPE NO.	SOIL DESCRIPTION		O NATURAL WATER CONTENT X PLASTIC LIMIT A LIQUID LIMIT						O Su ( UC ) ● Su' ( UC )  Δ Su ( FV ) ▲ Su' ( FV )  Χ Qp/2 ( 1/μ²)  2,5 5 7,5  D SPT ( BLOWS/30CM. )													
					2	0	4	o .  .	6	3	В	3	10	0							60			
ŀ									T		_			T		T		Т		T	十			:
			Loose clayey fine						-			.			$\dashv$		_	_	_	_	-	-	$\dashv$	
	1	SS-1	_ sand, dark grey (SC) 3.00	$\vdash$	λ		4					1	_	-	_	3	-	-	_	-	-	-	$\neg$	
		33-1		-												-	$\dashv$	$\neg$						
	2		-	-								-		$\dashv$		,			-		$\dashv$			
	:	SS-2			·	ΟX-	-23					$\dashv$			-	$\mathcal{A}$					$\dashv$	-+		
	3	ST-l				0										-	$\mathbf{H}$	-			$\dashv$	$\dashv$		
		_SS=3	Very stiff silty clay greenish grey (CL) 4.00														7	<u> 17  </u>			$\dashv$			
-	4				-	D=	_						_						_	-4	$\longrightarrow$		_	
		SS-4	Medium, clayey fine sono brownish green (SC) 5.00	{			7.3									_	Ò	īβ		_			_	
	5 .		brownish green (30) 3.00	L		<u> </u>						_	_	$\bot$						$\supset$	$\preceq$			0/1
		SS-5		0							-									$\Box$		$\prod$	出	.U/ 1
	_		Dense, decomposed rock 6.50												]								Ш	:
	6	SS-ó		0	χ	2																		0/2
	7		END OF BORING			Π																		
		1		-	<u> </u>	1.		7.5										·						
ļ	4 2 5	~		-							$\vdash$			-								$\Box$	$\dashv$	
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 PROJECT	RDSR : V	ND 6-1		LOCATION AMPHOE LAGO	^	
 BORING NO.	мв 90.1	7	g tag to the	LOCATION AMPHOE LAGO	· · · · · · · · · · · · · · · · · · ·	
BORING	DAY	МОМТН	YEAR	GROUND LEVEL	GROUND WA	TER LEVEL
STARTED	27	12	1990		-1.70	
COMPLETED	28	12	1990			

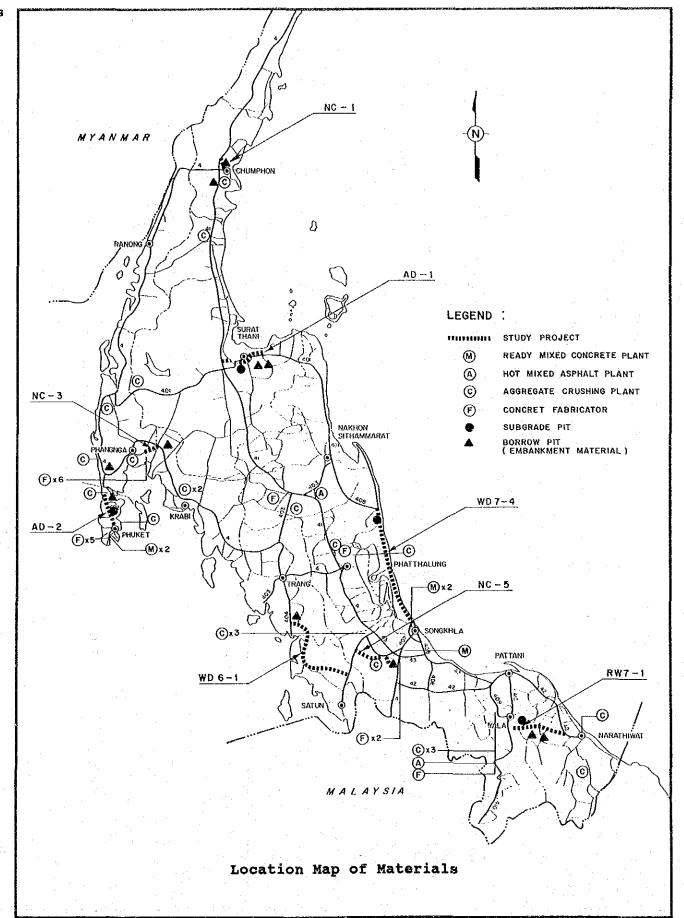
1	ЕРТН М	SAMPLE TYPE NO.	SOIL DESCRIPTION	O NATURAL WATER CONTENT  X PLASTIC LIMIT  A LIQUID LIMIT  20 40 60 80 100								O Su ( UC ) • Su' ( UC ) Δ Su ( FV ) Δ Su' ( FV )  - × Qp/2 ( T/M²) 2,5 5 7,5  CI SPT ( BLOWS/30CM. ) 20 40 60											
	1_		Soft silty clay, li- brown (CL-ML) 1.50				 										3						
	2 –	SS-1 ST-1	Soft clay, grey (CL)	-		Х	a	2									3						
	. 2-	_SS=2_	6.00				<u> </u>	7						_		7]							
	3 ~	ss-3		-	-	X	=	Δ	þ			7.				JI						$\dashv$	
	4					_																	
-		ss-4		-			77	-7	_							-1   						_	
	5_	SS-5					X	2			`					<u> </u>	3						
	б-	GC 6		_		σ						_					4			_	_	_	
	-	\$S-6	Loose sand, li-brown (SP) 7.00	-	7		-												-				
	7	SS-7	Loose to medium silty sand, light brown and		7	: 	_									0	4						$\vdash$
	8-	SS-8	grey (SM) 10.50		-	þ	-		3.0						-	þ	5	-	7				
	9-																8						
		SS9		-	7	_	-									7							
	10-	ss-10		_	P_												Ţ	1.4					
	11-	SS-11	Medium sandy gravel, brown (SM) 12.00	P	-	_	-										<u>P</u>	15					
	12-		Modsia 251 tre good														Ţ	13					<u> </u>
	13 -	SS-12	Medium silty sand, brown (SM) 13.00		<u> </u>											1	/			-	-	+	-
		SS-13	Loose sandy gravel, brown (SM) 14.00		2	L											8					_	
	14-	SS-14	Loose silty sand	1				-	-							卜	7	-		-	-		}-
	15-		brown (SM) 15.00	_	Z	0 8		-27														$\Box$	L
	:	_SS-15	Stiff silty clay, yellowish brown (CL)	-		Γ-	-			-	<u> </u> -: -			_	-	-		12	-	-		$\vdash$	-
	16-	ss-16	16.50		_	-	L			_					_		_						
	17-		END OF BORING	-	-	-	-	-	-	-	-			<b> </b>	_	-	-	-	-		-	-	+
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SOIL DATA : BORING LOG

PROJECT	PDSR :	RX 7-1		100.7.0	3.760				
ECRING NO.	MB 90.	13		LCCATION RT. 4107 KM. 1+760					
BCRING	DAY	МСИТН	YEAR	GROUND LEVEL	GROUND WATER LEVEL				
STARTED	22	1 12	1990		-0.00				
COMPLETED	24	12	1990						

DEPTH M	SAMPLE TYPE NO.	SOIL DESCRIPTION	O NATURAL WATER CONTENT  × PLASTIC LIMIT Δ LIQUID LIMIT  Δ ST ( BLCWs/JOCM. )
1 -	<u> </u> 	Top soil, silty sand and root plant, brown	20 40 60 80 100 20 40 60
. 2 -	5S-1	Medium cloyey silt, brown (CL-ML) 2.00	
3	es-2	Medium silty sand, brown (SM) 3.00	4
4 **	\$S~3	Medium sand, brown (SP) 4.50	
5-	\$5-4	Medium silty sond, brown (SM)	
6~	SS-6	7.00	
7 _	SS-7	Medium sond, brown	Y
8 -	SS-S	(SP) 8.00 Medium to dense silty	\
9-	53-9	sond, light brown (SM) 14.50	
10	SS-10		
11-	SS-11		
12-	SS-12		
13-	S5-13		
15-	\$5-14	Dense sandy gravel, light brown (SP) 16.00	9
16-	S\$-15		
17	SS-16     SS-17	Medium sand, light brown (SP) 19,00	
18-	SS-18		19.
19-	SS-19	Dense sandy gravel, light brown (SP) 20.00	
20	<b> </b>	Dense silty sand, brown (SM) 21.00	
21-	SS-21	Dense sand, light brown (SP) 22.00	\
22-	55-72	Dense silty sand, brown (SM) 23.00	
24-	SS-23	Dense schd, brown (SP) 24.50	
25-	SS-24	Dense silty sono, brown	P
26	\$5-25 \$\$-26	•	C
27	\$5-25     \$5-27		7   1   1   1   1   1   1   1   1   1
28	\	- END OF BORING	
<u></u>		1	



### A.6 Discharge Calculation

