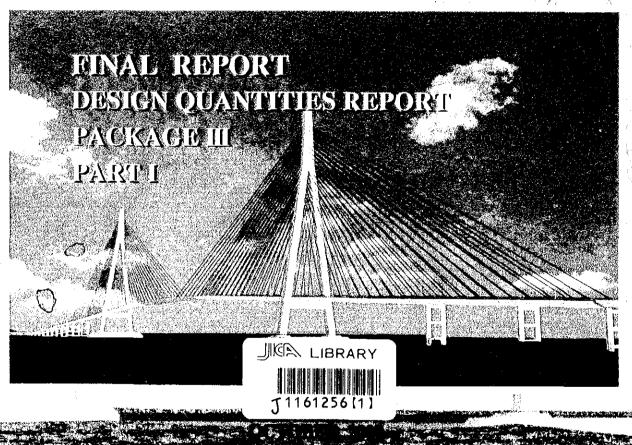
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
MINISTRY OF TRANSPORT
SOCIALIST REPUBLIC OF VIET NAM

## THE DETAILED DESIGN ON THE CAN THO BRIDGE CONSTRUCTION IN SOCIALIST REPUBLIC OF VIET NAM





JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
MINISTRY OF TRANSPORT
SOCIALIST REPUBLIC OF VIET NAM

## THE DETAILED DESIGN ON THE CAN THO BRIDGE CONSTRUCTION IN SOCIALIST REPUBLIC OF VIET NAM

### FINAL REPORT DESIGN QUANTITIES REPORT PACKAGE III PART I

OCTOBER 2000

NIPPON KOEI CO., LTD.

1161256 [1]

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### Notes

### 1. General

Unless otherwise noted these notes are applied to all design quantities.

### 2. Concrete

Concrete strengths are specified as followings base on 28 days cylinder strength.

Concrete class	Strength	Typical use
Concrete class E	24MPa	Wing wall, Retaining wall, Box culvert, Pipe culvert
Concrete class G	15MPa	Lean concrete, Plain concrete
Concrete class G	15MPa	Lean concrete, Plain concrete

### 3. Reinforcement

Reinforcements are specified as SD345.

1. Road Works

1.1. Site Clearing And Demolition

### QUANTITY OF CLEARING (throughway)

SECTION	BRIDGE	97/	ATION	SECTION	LENGTH (m)	QUANTIT	Y (m2)	REMARKS
No.	NAME	017	vnoi <b>v</b>	BRIDGE	EARTH WORK	REMOVAL OF EXISTING TREE	RICE FIELD	NEWANNO
1	MAIN-BRIDGE	7 +	660.00		796.85	40.700	10.544	
1	CALTAC 1	8 +	456.85	185,9	796,85	42 786	42 511	
2	CALIAGI	8 +	642.75	103.9	788.70	69 352	9 371	
	CALTAC 2	9 +	431.45	37.1	700.70	03 332	5311	
3		9 +	468.55		947.70		•	
	CAI D.A	10 +	416.25	93.5				
4		10 +	509.75		692.70	39 543	,	
	BA MANG	11 +	202.45	25.1	332,70			
5		11 +	227.55		1 108.70	66 266		
	CAI NAI	12 +	336.25	93.5				
6		12 +	429.75		679.80	30 781	16 034	
	AP MY	13 +	109.55	140.9				
7		13 +	250.45		555.95	32 073	6 405	
	CAI RANG	13 +	806.40	258.5				
8		14 +	64.90		1 285.10	61 588	5 299	
· · · · · · · · · · · · · · · · · · ·	E.P	15 +	350.00					
·	TOTAL							
	TOTAL			834.50	6 855.50	342 389	79 621	

### QUANTITY OF CLEARING (interchange)

		QUANTITY	( (m2 )	
No	ITEM	REMOVAL OF EXISTING TREE	RICE FIELD	REMARKS
1	INTERCHANGE NH No.91(IC3)	105 041	162 297	
2	INTERSETION NH No.1(IS)	13 359	-	
	TOTAL	118 400	162 297	

1.2. Earth Works

QUANTITY OF EARTH WORK (throughway+interchange+service area +service road)

å	ITEM	SAND BLANKET	CLAY	SAND FILL	SELECTED MATERIAL	EXCAVATION SOIL	GRAVEL	REMARKS
	·	m2	т3	m3	m3	m3	m3	
-	THROUGHWAY	290 249	55 214	324 438	56 268	10 039		
7	2 INTERCHANGE	72 175	18 133	119 109	13 497	5 367		
က	3 SERVICE AREA	22 643	588	7 501	2 864	O		
4	4 SERVICE ROAD			38 352			1 916	
	TOTAL	385 067	73 935	489 400	72 629	15 406	1916	

### QUANTITY OF EARTH WORK (throughway)

No	BRIDGE NAME	STATION	ſ	N LENGTH (m)	AREA (m2)	QUANTI	TY OF EARTH WO	RK (m3)		REMARKS
	Navic		BRIDGE	EARTH WORK	SAND BLANKET	EXCAVATION SOIL	SAND (FILL+BLANKET)	SELECTED MATERIAL	CLAY	
1	MAIN-BRIDGE	7 + 660.00		796.85	45 248		68 669	9 667	E 900	
	CALTAC 1	8 + 456.85	185.9	750.05	43 240		06 609	9 007	5 866	
2	OAITAO T	8 + 642.75	100.9	788.70	35 024		57 770	6 166	5 733	
	CAI TAC 2	9 + 431.45	37.1	700.70	33 024		37 77,0	0 100	5733	
3		9 + 468.55	57.1	947.70	37 893		54 435	7 758	5 915	
	CAI D.A	10 + 416.25	93,5	547.70	37 033		34 433	7 736	3913	
4	O/11 D./1	10 + 509.75	_ 50,5	692.70	24 790		20.470	5 381	1.054	
	BA MANG	11 + 202.45	25.1	032.70	24 130		38 472	2 301	4 651	
5		11 + 227.55	20.1	1 108.70	46 897		111 554	8 282	11 091	
Ľ	CAI NAI	12 + 336.25	93.5	. 100.70	40 097		111 334	0 202	11091	
6		12 + 429.75	95.5	679.80	34 305		77.575	5.070	0.000	
	AP MY	13 + 109.55	140.9	079.00	34 303		77 575	5 078	8 288	
7	'	13 + 250.45	140.5	555.95	27 538		F2 047	4.450	6.000	
	CAI RANG	13 + 806.40	258.5	555,95	27 330		53 647	4 153	6 068	
8	}	14 + 64.90	230.3	1 285.10	20 554	10.000	05.404	0.704	7.055	
	E.P	15 + 350.00		1 200.10	38 554	10 039	65 491	9 784	7 602	ļ
	тот	AL.	834.5	6 855,50	290 249	10 039	527 612	56 268	55 214	

<sup>\*</sup> Quantity sand fill = Sand (fill + blanket ) - Area of sand blanket  $\times 0.7m$ 

527 612-290 249\*0.7 =

324 438

<sup>\*</sup> Quantity sand fill :

QUANTITY OF EARTH WORK

٠..

MAIN BRIDGE - CAI TAC 1 (KM7+660,00 - KM8+456,85)

476.70 445.35 225.10 223.40 201.40 194.10 139.20 111.50 189.30 214.50 252.50 582.90 300.60 325.20 286.70 213.60 163.50 147.60 229.30 281.60 312.50 349.80 5 866 Clay Selected material 149.40 298.80 309.90 517.20 298.80 298.80 298.80 298.80 298.80 399.90 605.64 817.20 415.80 415.80 822.00 734.04 605.64 285.50 729.24 517.20 399.90 9 667 Quantity (m3) Sand (fill+blanket) 4 162.95 2 911.10 2 900.45 4 718.40 3 772.30 2 839.70 2 693.20 2 070.00 1 969.50 1 621.85 1 293.10 2 330.96 4 315.20 3 204.85 4 212.66 3 307.06 3 442.70 4 437.25 5 172.60 1 081.15 1 902.66 4 308.95 68 669 22.74 10.19 5.76 7.35 6.83 7.68 8.58 5.50 7.25 8.80 Clay 5.67 5.01 3.17 4.22 7.25 2.82 5.89 7.04 4.12 5.35 5.38 Pavement 18.29 18.29 18.29 18.29 18.29 19.68 40.59 50.39 29.54 34.34 49.79 34.34 18.29 29.54 Selected material 13.89 16.39 20.79 11.97 20.07 20.79 20.79 16.39 13.89 7.47 7.47 7.47 7,47 7.47 7.47 7.47 8.03 20.31 11.97 7.47 7.47 8.03 7.47 Area(m2) Sand (fill+blanket) 191.55 185.68 164.72 125.33 110.59 108.63 155.77 100.04 106.82 132.20 72.95 76.52 45.36 26.08 38.58 56.56 59.99 53.11 65.31 275.43 233.23 244.13 162.40 120.79 155.16 168.15 240.05 106.06 102.47 110.86 120.79 235.03 201.82 145.12 132.67 186.64 89.65 69.09 70.75 91.02 Total 76.62 84.54 SUM pavement surface Width of 21.50 21.50 21.50 21.50 21.50 21.50 21.50 23.35 21.50 21.50 36.50 42.90 51.24 63.50 65.90 65.90 65.90 64.30 51.24 42.90 36.50 23,35 21.50 Length of 49.86 45.48 20.38 talus 43.59 1.08 11.34 10.02 14.50 10.70 10.75 14.50 13.66 11.51 13.77 8.43 14.07 6.33 5.64 8.23 Distance (m) 20.00 20.00 40.00 40.00 40.00 40.00 40.00 40.00 40.00 40.00 40.00 40.00 40.00 20.00 20.00 40.00 40.00 36.85 Station Кт7+ 680 Km7+ 660 Km7+ 700 Km7+ 740 Km7+ 780 Кт7+ 820 Km7+ 860 Km7+ 900 Km7+ 940 Km7+ 980 Km8+ 020 Km8+ 060 Km8+ 100 Km8+ 140 Km8+ 180 Km8+ 200 Km8+ 220 Km8+ 260 Km8+ 300 Km8+ 340 Km8+ 380 Km8+ 420 Кт8+ 457 ş 5 Ξ 12 13 ξ æ 7 16 8 6 4 9 20 7 22 23

# QUANTITY OF EARTH WORK CAI TAC1 - CAI TAC2 (KM8+642,75 - KM9+431,45)

نے	_	Distance	Length of	Width of			Area(m2)			Ö	Quantity (m3)	
o Z	Station	(m)	talus	surface	Total	Sand (fill+blanket)	Selected material	Pavement	Clay	Sand (fill+blanket)	Selected material	Clay
-	Km8+ 642.75		47.38	21.50	305.53	256.08	74.7	18.29	23.69			
7	Кт8+ 660.00	17.250	45.48	21.50	293.26	244.76	7.47	18.29	22.74	4 319.79	128.86	400.46
'n	Km8+ 700.00	40.000	51.67	23.67	256.67	202.80	8.12	19.92	25.84	8 951.23	311.82	971.50
+	Km8+ 740.00	20.000	17.80	21.50	136.10	101.44	7.47	18.29	8.90	3 042.42	155.91	347.35
vo.	Km8+ 780.00	40.000	13.76	21.50	103.34	70.70	7.47	18.29	6.88	3 442.90	298.80	315.60
9	Km8+ 820.00	40.000	13.03	25.16	94.33	58.21	8.57	21.03	6.52	2 578.34	320.76	267.90
~	Кт8+ 860.00	40.000	10.48	28.00	99.60	61.78	9.42	23.16	5.24	2 399.84	359.76	235.10
ω	Km8+ 900.00	40.000	4.66	21.50	64.86	33.44	7,47	21.62	2.33	1 904.40	337.80	151,40
<b>б</b>	Km8+ 940.00	40.000	4.19	21.50	52.78	18.63	7.47	24.59	2.10	1 041.40	298.80	88.50
5	Km8+ 980.00	40.000	7.59	21.50	80.51	38.56	7.47	30.69	3.80	1 143.70	298.80	117.80
<del>***</del>	Km9+ 20.00	40.000	3.73	21.50	80.42	43.20	7.47	27.89	1.87	1 635.10	298.80	113.20
12	Km9+ 60,000	40.000	3.92	21.50	88.10	48.28	7.47	30.39	1.96	1 829.60	298.80	76.50
13	Km9+ 100.00	40.000	2.54	21.50	39.65	1.12	7.47	29.79	1.27	987.98	298.80	64.60
14	Km9+ 140.00	40.000	2.87	21.50	42.71	4.82	7.47	28.99	1.44	118.64	298.80	54.10
15	Km9+ 180.00	40.000	1.95	21.50	48.84	19.51	7.47	20.89	0.98	486.46	298.80	48.20
16	Km9+ 220.00	40.000	6.23	27.11	48.75	13.99	9.15	22.50	3.12	669.89	332.46	81.80
17	Km9+ 260.00	40.000	8.75	24.76	64.31	30.75	8.45	20.73	4.38	894.83	352.02	149.80
18	Km9+ 300.00	40.000	12.75	25.97	105.99	69.16	8.81	21.64	6.38	1 998.37	345.18	215.00
19	Km9+ 322.00	22.000	18.17	21.68	122.96	87.93	7.52	18.42	60'6	1 728.02	179.69	170.06
20	Кт9+ 340.00	18.000	19.45	23.20	148.07	110.80	7.98	19.56	9.73	1 788.58	139.54	169.29
21	Km9+ 380.00	40.000	40.22	27.00	238.39	186.75	9.12	22.41	20.11	5 951.00	342.00	596.70
22	Km9+ 420.00	40.000	44,13	27.00	280.08	226.48	9.12	22.41	22.07	8 264.60	364.80	843.50
8	Km9+ 431.45	11.450	44.79	27.41	280.82	226.46	9.24	22.72	22.40	2 593.12	105.12	254.54
				SUM	5					57 770	6 166	5 733

QUANTITY OF EARTH WORK

CAI TAC 2 - CAI DA (KM9+468,45 - KM10+416,25)

Distance Length of	Distance Length of	Length of	-	>	Width of pavement		Ā	Area(m2)				Quantity (m3)	
talus	(m) talus	talus		surface	j l	Total	Sand (fill+blanket)	Sand (fill+blanket)   Selected material	Pavement	Clay	Sand (fill+blanket)	Selected material	Clay
Km9+ 468.55 43.32 21.50	468.55 43.32 21.50	21.50	21.50			271.14	223.72	74.7	18.29	21.66			
Km9+ 480 11.45 42.67 27.08	480 11.45 42.67 27.08	42.67 27.08	27.08		` '	267.09	214.14	9.14	22.47	21.34	2 506.75	95.12	246.14
Km9+ 520 40.00 20.78 29.77	520 40.00 20.78 29.77	20.78 29.77	29.77		• •	203.25	158.42	9.95	24.49	10.39	7 451.15	381.90	634.50
Km9+ 560 40.00 17.87 21.50	560 40.00 17.87	17.87	·	21.50		132.95	98.26	7.47	18.29	8.94	5 133.53	348.42	386.50
Km9+ 600 40.00 12.81 21.50	600 40.00 12.81	12.81	· 	21.50		101.17	69.01	7.47	18.29	6.41	3 345.30	298.80	306.80
Km9+ 640 40.00 13.99 21.50	640 40.00 13.99	13.99		21.50		97.52	64.77	7.47	18.29	7.00	2 675.50	298.80	268.00
Km9+ 680 40.00 11.77 22.74	40.00 11.77	11.77		22.74		87.32	54.38	7.84	19.22	5.89	2 382.86	306.24	257.60
Кm9+ 720 40.00 12.39 27.00	40.00 12.39	12.39	-	27.00		94.85	57.12	9.12	22.41	6.20	2 229.96	339.24	241.60
Km9+ 760 40.00 9.84 28.17	40.00 9.84	9.84		28.17		86.59	48.91	9.47	23.29	4.92	2 120.63	371.82	222.30
Km9+ 800 40.00 8.58 34.03	40.00 8.58	8.58		34.03		95.02	51.82	11.23	27.69	4.29	2 014.50	414.00	184.20
Km9+ 840 40.00 8.33 21.50	40.00 8.33	8.33		21.50		58.02	28.10	7.47	18.29	4.17	1 598.27	373.98	169.10
Km9+ 880 40.00 7.31 21.50	880 40.00 7.31 21.50	7.31 21.50	21.50			46.33	16.92	7,47	18.29	3.66	900.30	298.80	156.40
Km9+ 920 40.00 8.28 21.50	920 40.00 8.28 21.50	8.28 21.50	21.50		-•	52.83	22.93	7.47	18.29	4.14	797.00	298.80	155.90
Km9+ 960 40.00 6.61 21.50	960 40.00 6.61 21.50	6.61 21.50	21.50		•	42.34	13.28	7.47	18.29	3.31	724.20	298.80	148.90
Km10+ 000 40.00 6.13 21.50	000 40.00 6.13 21.50	6.13 21.50	21.50			42.40	13.58	7.47	18.29	3.07	537.10	298.80	127.40
Km10+ 040 40.00 6.53 21.50	040 40.00 6.53	6.53		21.50		45.38	16.36	7.47	18.29	3.27	598.70	298.80	126.60
Km10+ 080 40.00 6.60 21.50	080 40.00 6.60	6.60		21.50		43.38	14.32	7.47	18.29	3.30	613.60	298.80	131.30
Km10+ 120 40.00 6.63 21.50	120 40.00 6.63	6.63		21.50		43.59	14.52	7.47	18.29	3.32	576.80	298.80	132.30
Km10+ 160 40.00 5.68 21.50	160 40.00 5.68	5.68		21.50		49.88	21.28	7.47	18.29	2.84	716.00	298.80	123.10
Km10+ 200 40.00 8.48 31.87	200 40.00 8.48	8.48		31.87		76.75	35.86	10.58	26.07	4.24	1 142.93	361.02	141.60
Km10+ 240 40.00 8.10 25.36	240 40.00 8.10	8.10		25.36		68.41	34.55	8.63	21.18	4.05	1 408.27	384.18	165.80
Km10+ 280 40.00 9.56 24.75	280 40.00 9.56	9.56		24.75		80.50	46.55	8,45	20.73	4.78	1 621.99	341.46	176.60
Km10+ 320 40.00 12.09 22.78	320 40.00 12.09	12.09	<b></b>	22.78		94.41	61,26	7.85	19.25	6.05	2 156.27	325.98	216.50
Km10+ 360 40.00 17.34 21.50	360 40.00 17.34	17.34		21.50		133.19	98.76	7.47	18.29	8.67	3 200.52	306.48	294.30
Km10+ 400 40.00 39.72 21.50	400 40.00 39.72	39.72		21.50		212.06	166.44	7.47	18.29	19.86	5 304.10	298.80	570.60
Km10+ 416 16.25 41.73 21.50	416 16.25 41.73	41.73	· · · · · ·	21.50		209.88	163.26	7.47	18.29	20.87	2 678.82	121.39	330.90
Mis	Miss	200	MIN	N	J						54 435	7.758	5 915
MOO	NOO	MOS	NOO	MOO	1					1	2		335

QUANTITY OF EARTH WORK

CAI DA - BA MANG (KM10+509,75 - KM11+202,45)

	<u> </u>	Distance	Length of	Width of pavement			Area(m2)				Quantity (m3)	
ź	Station	(m)	talus	surface	Total	Sand (fill+bianket)	Selected material	Pavement	Clay	Sand (fili+blanket)	Selected material	Clay
_	Km10+ 509.75		39.25	21.50	217.33	171.95	14.7	18.29	19.63			
73	Km10+ 540	30.25	36.47	21.50	201.93	157.94	7.47	18.29	18.24	4 989.52	225.97	572.64
က	Km10+580	40.00	16.94	26.92	140.50	100.58	9.10	22.35	8.47	5 170.38	331.32	534.10
4	Кт10+ 620	40.00	11.46	24.75	63.72	28.82	8.45	20.73	5.73	2 588.03	350.82	284.00
5	Km10+ 660	40.00	10.02	24.75	61.72	27.54	8.45	20.73	5.01	1 127.20	337.80	214.80
9	Km10+700	40.00	4.69	24.75	39.08	7.57	8.45	20.73	2.35	702.10	337.80	147.10
7	Km10+740	40.00	5.26	23.51	44.21	13.71	8.07	19.80	2.63	425.54	330.36	99.50
æ	Кт10+780	40.00	5.21	21.50	48.66	20.30	7.47	18.29	2.61	680.19	310.86	104.70
თ	Кт10+ 820	40.00	6.41	21.50	53.23	24.27	7.47	18.29	3.21	891.30	298.80	116.20
9	Km10+840	20.00	6.54	21.50	42.82	13.79	7.47	18.29	3.27	380.60	149.40	64.75
1,	Km10+880	40.00	5.64	21.50	37.30	8.72	7.47	18.29	2.82	450.30	298.80	121.80
12	Km10+ 920	40.00	6.55	21.50	66.94	37.91	7.47	18.29	3.28	932.60	298.80	121.90
13	Km11+000	80.00	-6.28	21.50	40.99	12.09	7.47	18.29	3.14	2 000.00	597.60	256.60
14	Km11+ 040	40.00	4.26	21.50	63.68	35.79	7.47	18.29	2.13	957.70	298.80	105.40
15	Km11+ 080	40.00	10.74	21.50	84.17	53.04	7.47	18.29	5.37	1 776.70	298.80	150.00
16	Km11+ 120	40.00	14.44	21.50	104,49	71.51	7,47	18.29	7.22	2 491.10	298.80	251.80
17	Km11+ 140	20.00	37.85	21.50	188.27	143.59	7.47	18.29	18.93	2 151.00	149.40	261.45
18	Km11+ 160	20.00	39.13	21.50	227.92	182.60	7.47	18.29	19.57	3 261.85	149.40	384.90
19	Km11+ 180	20.00	38.62	21.50	219.87	174.80	7.47	18.29	19.31	3 574.00	149.40	388.75
20	Km11+200	20.00	44.53	21.50	222.58	174.56	7.47	18.29	22.27	3 493.60	149.40	415.75
2	Km11+ 202	2.45	44.60	21.50	222.94	174.88	7,47	18.29	22.30	428.06	18.30	54.59
		4		SUM						38 472	5 381	4 651
				Warran and a second								

# QUANTITY OF EARTH WORK

# BA MANG - CAI NAI (KM11+227,55 - KM12+336,25)

L	ć	Distance	Length of	Width of pavement			Area(m2)			ਹੱ	Quantity (m3)	
o Z	Station	(m)	talus	surface	Total	Sand (fill+blanket)	Selected material	Pavement	Clay	Sand (fill+blanket)	Selected material	Clay
-	Km11+ 227.55		40.96	21.50	211.86	165.62	7.47	18.29	20.48			
7	Km11+ 240	12.45	40.63	21.50	210.16	164.09	7.47	18.29	20.32	2 052.45	93.00	253.94
ဂ္ဂ	Km11+ 250	20.00	41.75	21.50	203.81	157.18	7.47	18.29	20.88	3 212.65	149.40	411.90
4	Km11+ 280	20.00	37.08	21.50	182.96	138.66	7.47	18.29	18.54	2 958.40	149.40	394.15
2	Km11+ 300	20.00	35.94	21.50	176.65	132.92	7.47	18.29	17.97	2 715.85	149.40	365.10
ဖ	Km11+ 340	40.00	13.30	21.50	105.26	72.85	7.47	18.29	6.65	4 115.50	298.80	492.40
7	Km11+ 380	40.00	10.20	21.50	73.62	42.76	7.47	18.29	5.10	2 312.30	298.80	235.00
80	Km11+ 420	40.00	6.72	21.50	50.01	20.89	7.47	18.29	3.36	1 273,10	298.80	169.20
თ	Km11+ 460	40.00	8.56	21.50	58.86	28.82	7.47	18.29	4.28	994.30	298.80	152.80
10	Km11+ 500	40.00	8.72	21.50	57.52	27.40	7.47	18.29	4.36	1 124.50	298.80	172.80
=	Km11+ 540	40.00	9.80	21.50	66.23	35.57	7.47	18.29	4.90	1 259.50	298.80	185.20
12	Km11+ 580	40.00	10.98	21.50	74.98	43.73	7.47	18.29	5.49	1 586.10	298.80	207.80
5	Km11+ 620	40.00	14.66	21.50	104.21	71.12	7.47	18.29	7.33	2 297.10	298.80	256.40
4	Km11+ 660	40.00	12.70	21.50	92.53	60.42	7.47	18.29	6.35	2 630.90	298.80	273.60
řΩ	Km11+ 700	40.00	13.86	21.50	97.73	65.04	7.47	18,29	6.93	2 509.30	298.80	265.60
16	Km11+ 740	40.00	13.85	21.50	97.16	64.48	7.47	18.29	6.93	2 590.40	298.80	277.10
17	Km11+ 780	40.00	15.94	21.50	115.10	81.37	7.47	18.29	7.97	2 917.00	298.80	297.90
18	Km11+ 820	40.00	17.77	21.50	130.07	95.43	7.47	18.29	8.83	3 536,00	298.80	337.10
9	Km11+ 860	40.00	17.79	21.50	149.62	114.97	7.47	18.29	8.90	4 207.90	298.80	355.60
20	Km11+ 900	40.00	18.56	21.50	138.16	103.12	7.47	18.29	9.28	4 361.80	298.80	363.50
2	Km11+ 940	40.00	19.61	21.50	148.41	112.85	7.47	18.29	9.81	4 319,40	298.80	381.70
23	Km12+ 000	60.00	20.86	21.50	158.48	122.29	7.47	18.29	10.43	7 054.20	448.20	607.05
23	Km12+ 040	40.00	21.20	21.50	176.53	140.17	7.47	18.29	10.60	5 249.30	298.80	420.60
24	Km12+ 080	40.00	21.00	21.50	165.42	129.16	7.47	18.29	10.50	5 386.70	298.80	422.00

(m)         talus         surface         Total         Sand (fill+blanket)         Selected material         Pavement         Clay         Sand (fill+blanket)         Selected material           40.00         21.67         21.50         173.15         136.56         7.47         18.29         10.84         5.314.40         298.80           40.00         22.53         21.50         187.36         150.34         7.47         18.29         11.27         5.875.50         298.80           40.00         42.66         21.50         231.33         184.24         7.47         18.29         21.33         6.691.60         298.80           40.00         42.66         21.50         222.75         175.90         7.47         18.29         21.09         7.202.90         298.80           40.00         31.22         21.50         225.69         184.34         7.47         18.29         15.66         3.000.28         121.39           16.25         31.31         21.50         226.36         184.94         7.47         18.29         15.66         3.000.28         121.39	_ 4	Top to	Distance	Distance Length of	Width of pavement			Area(m2)			ਠੌ	Quantity (m3)	
Km12+ 120         40.00         21.67         21.50         173.15         136.56         7.47         18.29         10.84         5 314.40         298.80           Km12+ 160         40.00         21.79         21.50         180.09         143.44         7.47         18.29         10.90         5 599.90         298.80           Km12+ 200         40.00         22.53         21.50         187.36         150.34         7.47         18.29         11.27         5 875.50         298.80           Km12+ 200         40.00         42.66         21.50         231.33         184.24         7.47         18.29         21.33         6 691.60         298.80           Km12+ 280         40.00         42.18         21.50         222.75         175.90         7.47         18.29         21.09         7.202.90         298.80           Km12+ 320         40.00         31.22         21.50         226.36         184.34         7.47         18.29         15.61         7.204.50         298.80           Km12+ 336         16.25         31.31         21.50         226.36         184.94         7.47         18.29         15.61         7.204.50         298.80           SUM15+ 336         16.25         31.31	2		(m)	talus		Total	Sand (fill+blanket)	Selected material	Pavement	Clay	Sand (fili+blanket)	Selected material	Clay
Km12+ 160         40.00         21.79         21.50         180.09         143.44         7.47         18.29         10.90         5599.90         298.80           Km12+ 200         40.00         22.53         21.50         187.36         150.34         7.47         18.29         11.27         5875.50         298.80           Km12+ 240         40.00         42.66         21.50         221.33         184.24         7.47         18.29         21.33         6691.60         298.80           Km12+ 280         40.00         42.18         21.50         222.75         175.90         7.47         18.29         21.09         7202.90         298.80           Km12+ 320         40.00         31.22         21.50         225.69         184.32         7.47         18.29         15.61         7204.50         298.80           Km12+ 330         16.25         31.31         21.50         226.36         184.94         7.47         18.29         15.66         3000.28         121.39	25		40.00	21.67	21.50	173,15	136.56	7.47	18.29	10.84	5 314.40	298.80	426.70
Km12+ 200         40.00         42.65         21.50         187.36         150.34         7.47         18.29         11.27         5 875.50         298.80           Km12+ 240         40.00         42.65         21.50         222.75         175.90         7.47         18.29         21.09         7 202.90         298.80           Km12+ 280         40.00         42.18         21.50         222.75         175.90         7.47         18.29         21.09         7 202.90         298.80           Km12+ 320         40.00         31.22         21.50         225.69         184.32         7.47         18.29         15.61         7 204.50         298.80           Km12+ 336         16.25         31.31         21.50         226.36         184.94         7.47         18.29         15.66         3 000.28         121.39	56	Km12+ 160	40.00	21.79	21.50	180.09	143.44	7.47	18.29	10.90	5 599.90	298.80	434.60
Km12+ 240         40.00         42.66         21.50         231.33         184.24         7.47         18.29         21.33         6 691.60         298.80           Km12+ 280         40.00         42.18         21.50         222.75         175.90         7.47         18.29         21.09         7 202.90         298.80           Km12+ 320         40.00         31.22         21.50         225.69         184.32         7.47         18.29         15.61         7 204.50         298.80           Km12+ 336         16.25         31.31         21.50         226.36         184.94         7.47         18.29         15.66         3 000.28         121.39           SUM	27	Km12+ 200	40.00	22.53	21.50		150.34	7.47	18.29	11.27	5 875.50	298.80	443.20
Km12+ 280         40.00         42.18         21.50         222.75         175.90         7.47         18.29         21.09         7 202.90         298.80           Km12+ 320         40.00         31.22         21.50         225.69         184.32         7.47         18.29         15.61         7 204.50         298.80           Km12+ 336         16.25         31.31         21.50         226.36         184.94         7.47         18.29         15.66         3 000.28         121.39           SUM	28	Km12+ 240	40.00	42.66	21.50		184.24	7.47	18.29	21.33	6 691.60	298.80	651.90
Km12+ 320         40.00         31.22         21.50         225.69         184.32         7.47         18.29         15.61         7.204.50         298.80           Km12+ 336         16.25         31.31         21.50         226.36         184.94         7.47         18.29         15.66         3 000.28         121.39           SUM	29	Km12+ 280	40.00	42.18	21.50	222.75	175.90	7.47	18.29	21.09	7 202.90	298.80	848.40
Km12+ 336         16.25         31.31         21.50         226.36         184.94         7.47         18.29         15.66         3 000.28         121.39           SUM	30	Km12+ 320	40.00	31.22	21.50	225.69	184.32	7.47	18.29	15.61	7 204.50	298.80	734.00
111 554 8 282	3	Km12+ 336	16.25	31.31	21.50	226.36	184.94	7.47	18.29	15.66	3 000.28	121.39	254.04
111 554 8 282													
					SUM						111 554	8 282	11 091

QUANTITY OF EARTH WORK CAI NAI - AP MY (KM12+429,75 - KM13+109,55)

	af Clay		221.46	838.40	832.00	320.35	425.30	396.10	372,30	375.70	351.70	314.20	287.60	277.60	277.80	253.90	257.20	150.20	281.15	861.00	955.20	238.63	
Quantity (m3)	Selected material		76.57	298.80	298.80	149.40	298.80	298.80	298.80	298.80	298.80	298.80	298.80	298.80	298.80	298.80	298.80	149,40	149.40	298.80	298.80	71.34	
Õ	Sand (fill+blanket)		1 900.15	6 884.50	6 567.90	2 996.30	5 101.00	4 705.00	4 257.40	4 113.00	3 792.20	3 573.10	3 244.30	2 745.50	2 381.10	2 036.20	2 317.50	1 497,35	2 199.90	6 567.50	8 465.30	2 228.44	
	Clay	21.69	21.53	20.40	21.21	10.83	10.44	9.37	9.25	9.54	8.05	79'2	6.72	7.17	6.73	5.97	6.83	8.13	19.39	23.07	24.70	25.28	
	Pavement	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	
Area(m2)	Selected material	7,47	7.47	7.47	7.47	7.47	7,47	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47	
	Sand (fill+blanket)	186.17	184.59	159.64	168.76	130.92	124.13	111.12	101.75	103.90	85.71	92.95	69.27	68.01	51.05	50.76	65.11	84.62	135.37	193.01	230.31	236.38	
	Total	233.62	231.87	205.79	215.72	167.51	160.32	146.25	136.75	139.20	119.51	126.37	101.74	100.93	83.53	82.49	92.76	118.51	181.11	241.83	280.76	287.42	
Width of pavement	surface	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	21.50	
Length of	talus	43.37	43.05	40.79	42.41	21.66	20.87	18.74	18.49	19.08	16.09	15.33	13.43	14.33	13.45	11.94	13.78	16.26	39.97	46.13	49.39	50.56	
Distance	(w)		10.25	40.00	40.00	20.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	20.00	20.00	40.00	40.00	9.55	
3 4 6	Station	Km12+ 429.75	Km12+ 440	Km12+ 480	Km12+ 520	Km12+ 540	Km12+ 580	Km12+ 620	Km12+ 660	Km12+ 700	Km12+ 740	Km12+ 780	Km12+ 820	Km12+ 860	Km12+ 900	Km12+ 940	Km12+ 980	Km13+ 000	Km13+ 020	Km13+ 060	Km13+ 100	Km13+ 110	
	, S	-	7	eo.	4	5	ဖ	7		თ	9	<del>-</del>	12	13	4	₹£	16	11	18	19	20	.21	

QUANTITY OF EARTH WORK AP MY - CAI RANG (KM13+250,45 - KM13+806,40)

								,				
2	Ctation	Distance	rength of	Width of pavement			Area(m2)			ิซั	Quantity (m3)	
2	Olabo	(LJ)	taius	surface	Total	Sand (fill+blanket)	Selected material	Pavement	Clay	Sand (fill+blanket)	Selected material	Clay
۲,	Km13+ 250.45		50.97	21.50	303.06	251.82	7.47	18.29	25.48			
. 2	Km13+ 260	9.55	49.91	21.50	296.76	246.05	7.47	18.29	24.96	2 377.30	71.34	240.85
ო	Km13+ 300	40.00	45.35	21.50	233.84	185.41	7.47	18.29	22.68	8 629.10	298.80	952.60
4	Кт13+ 320	20.00	43.13	21.50	218.36	171.04	7.47	18.29	21.57	3 564.45	149.40	442.40
5	Km13+ 360	40.00	16.60	21.50	126.83	92.77	7.47	18.29	8.30	5 276.20	298.80	597.30
9	Km13+ 400	40.00	11.38	21.50	80.66	49.21	7.47	18.29	5.69	2 839.70	298.80	279.80
7	Km13+ 440	40.00	8.39	21.50	58.32	28.37	7.47	18.29	4.20	1 551.60	298.80	197.70
8	Km13+ 480	40.00	8.92	21.50	59.52	29.30	7.47	18.29	4.46	1 153.40	298.80	173.10
6	Km13+ 520	40.00	7.60	21.50	58.72	29.16	7.47	18.29	3.80	1 169.30	298.80	165.20
9	Km13+ 560	40.00	76.7	21.50	57.47	27.73	7.47	18.29	3.99	1 137.80	298.80	155.70
Ξ	Km13+ 600	40.00	7.99	21.50	57.34	27.59	7.47	18.29	4.00	1 106.30	298.80	159.60
12	Km13+ 640	40.00	9.80	21.50	67.19	36.53	7.47	18.29	4.90	1 282.40	298.80	177.90
13	Km13+ 680	40.00	14.00	21.50	100.25	67.49	7.47	18.29	7.00	2 080.50	298.80	238.00
4	Km13+ 720	40.00	21.02	21.50	150.22	113.95	7.47	18.29	10.51	3 628.90	298.80	350.20
15	Km13+ 740	20.00	43.48	21.50	220.63	173.13	7.47	18.29	21.74	2 870.85	149.40	322.50
16	Km13+ 780	40.00	49.37	21.50	284.77	234.33	7.47	18.29	24.69	8 149.20	298.80	928.50
17	Km13+ 800	20.00	53.36	21.50	324.15	271.71	7.47	18.29	26.68	5 060.40	149.40	513.65
48	Km13+ 806	6.40	55.05	21.50	334,45	281.16	7.47	18.29	27.53	1 769.20	47.81	173.46
				SUM				-		53 647	4 153	6 068

QUANTITY OF EARTH WORK CAI RANG - E.P (KM14+064,90 - KM15+350,00)

ž	Station	Distance	Length of	Width of			Area(m2)	n2)				Quantity (m3	(m3)	
?		(m)	salus	surface	Total	Ex. soil	Sand (fill+blanket)	Selected material	Pavement	Clay	Ex. soil	Sand (fill+blanket)	Selected material	Clay
-	Km14+ 64.9		52.55	21.50	328.75		276.72	7.47	18.29	26.28				
	Km14+ 080	15.10	20.90	21.50	313.47		262.26	7.47	18.29	25.45	00.00	4 069.30	112.80	390.52
က	Km14+ 100	20.00	55.44	21.50	302.08		248.60	7.47	18.29	27.72	0.00	5 108.65	149.40	531.70
4	Km14+ 140	40.00	48.79	21.50	265.54		215.39	7.47	18.29	24.40	0.00	9 279.80	298.80	1 042.30
ıs	Km14+ 180	40.00	43.99	21.50	244.24		196.49	7.47	18.29	22.00	0.00	8 237.50	298.80	927.80
ω	Km14+ 220	40.00	20.85	21.50	159.67		123.49	7.47	18.29	10.43	00.00	6 399.50	298.80	648.40
~	Km14+ 260	40.00	18.62	21.50	144.54		109.47	7.47	18.29	9.31	0.00	4 659.20	298.80	394.70
80	Km14+ 300	40.00	15.07	21.50	119.23		85.94	7.47	18.29	25.	0.00	3 908.20	298.80	336.90
<u>ი</u>	Km14+ 340	40.00	13.81	21.50	99.11	-	66.45	7.47	18.29	6.91	00.0	3 047.70	298.80	288.80
10	Km14+ 380	40.00	9:30	21.50	69.03		38.62	7.47	18.29	4.65	0.00	2 101.40	298.80	231.10
Ξ	Km14+ 420	40.00	11.29	21.50	85.55		54.15	7.47	18.29	5.65	00.00	1 855.40	298.80	205.90
12	Km14+ 460	40.00	1.80	21.50	26.54		-0.12	7.47	18.29	06.0	0.00	1 080.60	298.80	130.90
. 5	Km14+ 500	40.00	6.70	21.50	40.53		11.42	7.47	18.29	3.35	00.0	226.10	298.80	85.00
4	Km14+ 540	40.00	6.94	21.50	48.91		19.68	7.47	18.29	3.47	0.00	622.10	298.80	136.40
15	Km14+ 580	40.00	2.06	21.50	50.89		21.60	7.47	18.29	3.53	0.00	825.70	298.80	140.00
16	Km14+ 620	40.00	8.20	21.50	57.21		27.35	7.47	18.29	4.10	0.00	979.10	298.80	152.60
17	Km14+ 660	40.00	6.68	21.50	46.43		17.33	7.47	18.29	3.34	00.00	893.70	298.80	148.80
18	Km14+ 700	40.00	6.63	21.50	51.86		22.79	7.47	18.29	3.32	00.0	802.40	298.80	133.10
<del>6</del>	Km14+ 740	40.00	7.90	21.50	46.78		17.07	7.47	18.29	3.95	00.00	797.20	298.80	145.30
20	Km14+ 780	40.00	8.88	21.50	49.86		19.66	7.47	18.29	4.44	0.00	734.70	298.80	167.80
7	Km14+ 820	40.00	6.24	21.50	61.44		32.56	7.47	18.29	3.12	0.00	1 044.50	298.80	151.20
8	Km14+ 860	40.00	8.02	21.50	40.94		11.17	7.47	18.29	4.01	0.00	874.70	298.30	142.60
8	Km14+ 900	40.00	5.78	21.50	41.87		13.22	7.47	18.29	2.89	00.0	487.90	298.80	138.00
22	Km14+ 940	40.00	7.65	21.50	42.92		13.34	7.47	18.29	3.83	0.00	531.20	298.80	134.30

(m) talus 60.00 6.46 20.00 5.51	surface 24.50										
<u> </u>	24 50	Total	Ex. soil	Sand (fill+blanket)   Selected material	Selected material	Pavement	Clay	Ex. soil	Sand (fill+blanket)	Selected material	Clay
<u> </u>	2	42.80		13.81	7.47	18.29	3.23	00:0	814.50	448.20	211.65
	21.50	46.65	18.74	18.14	7.47	18.29	2.76	187.40	319.50	149.40	59.85
20.00 2.51	29.85	61.41	46.57	25.63	9.98	24.55	1.26	653,10	437.68	174.45	40.10
40.00 2.44	26.69	53.07	42.45	20.64	9.03	22.18	1.22	1 780.40	925.46	380.04	49.50
40.00 2.54	26.00	51.32	32.78	19.57	8.82	21.66	1.27	1 504.60	804.21	356.94	49.80
40.00 3.83	26.00	52.46	29.29	20.06	8.82	21.66	1.92	1 241.40	792.60	352.80	63.70
40.00 4.94	26.00	52.98	24.67	20.03	8.82	21.66	2.47	1 079.20	801.80	352.80	87.70
40.00 3.65	24.25	47.82	29.50	17.35	8.30	20.35	1.83	1 083.40	747.55	342.30	85.90
110.00 1.78	10.75	21.31	16.12	5.95	4.25	10.23	0.89	2 509.10	1 281.50	689.70	149.33
		SUA	5					10 039	65 491	9 784	7 602
		2.54 2.54 3.83 4.94 1.78	2.54 26.69 53.0 2.54 26.00 51.3 3.83 26.00 52.4 4.94 26.00 52.9 3.65 24.25 47.8 1.78 10.75 21.3	2.54 26.69 53.07 2.54 26.00 51.32 3.83 26.00 52.46 4.94 26.00 52.98 3.65 24.25 47.82 1.78 10.75 21.31	2.54 26.69 53.07 42.45 2.54 26.00 51.32 32.78 3.83 26.00 52.46 29.29 4.94 26.00 52.96 24.67 3.65 24.25 47.82 29.50 1.78 10.75 21.31 16.12	2.54 26.69 53.07 42.45 20.64 2.54 26.00 51.32 32.78 19.57 3.83 26.00 52.46 29.29 20.06 4.94 26.00 52.98 24.67 20.03 3.65 24.25 47.82 29.50 17.35 1.78 10.75 21.31 16.12 5.95	2.54     26.69     53.07     42.45     20.64     9.03       2.54     26.00     51.32     32.78     19.57     8.82       3.83     26.00     52.46     29.29     20.06     8.82       4.94     26.00     52.96     24.67     20.03     8.82       3.65     24.25     47.82     29.50     17.35     8.30       1.78     10.75     21.31     16.12     5.95     4.25	2.54         26.69         53.07         42.45         20.64         9.03         22.18           2.54         26.00         51.32         32.78         19.57         8.82         21.66           3.83         26.00         52.46         29.29         20.06         8.82         21.66           4.94         26.00         52.96         24.67         20.03         8.82         21.66           3.65         24.25         47.82         29.50         17.35         8.30         20.35           1.78         10.75         21.31         16.12         5.95         4.25         10.23	2.44         26.69         53.07         42.45         20.64         9.03         22.18         1.22           2.54         26.00         51.32         32.78         19.57         8.82         21.66         1.27           3.83         26.00         52.46         29.29         20.06         8.82         21.66         1.92           4.94         26.00         52.96         24.67         20.03         8.82         21.66         1.92           3.65         24.25         47.82         29.50         17.35         8.30         20.35         1.83           1.76         10.75         21.31         16.12         5.95         4.25         10.23         0.89	2.54         26.69         53.07         42.45         20.64         9.03         22.18         1.22         1780.40           2.54         26.00         51.32         32.78         19.57         8.82         21.66         1.27         1504.60           3.83         26.00         52.46         29.29         20.06         8.82         21.66         1.92         1241.40           4.94         26.00         52.96         24.67         20.03         8.82         21.66         2.47         1078.20           1.78         10.75         21.31         16.12         5.95         4.25         10.23         0.89         2509.10         1           SUM	2.44         26.69         53.07         42.45         20.64         9.03         22.18         1.22         1780.40         925.46           2.54         26.00         51.32         32.78         19.57         8.82         21.56         1.27         1504.60         804.21           3.83         26.00         52.46         29.29         20.06         8.82         21.56         1.92         1241.40         792.60           4.94         26.00         52.98         24.67         20.03         8.82         21.56         2.47         1079.20         801.80           3.65         24.25         47.82         29.50         17.35         8.30         20.35         1.83         1083.40         747.55           1.78         10.75         21.31         16.12         5.95         4.25         10.23         0.89         2509.10         1281.50

	RENLARKS																				
		CLAY	1 690 03	1,000.7	FC 92£ £		1 705 85	,	181860	00:010:1	74117		1.785.28		73 570 3		261.50		CF 68F		18,132.77
	XTH WORK (m3)	EX. SOIL																	9: 276 :		5,367.20
	QUANTITY OF EARTH WORK (m3)	SELECTED NATERIAL	23 810	278.03	11 EFG E	11.7	1 206.00		45.56		69 695		2 142.11		307576		71 575		17.17.1		13,496.87
		SAND (FILL+BLANKET)	00 001	14,452,20	2012.07		6,689.15		\$ 000 \$	27.7.1	C\$ 918 C		2(8)161		83 971 00		31815		T9 985 C		169,631,32
	AREA(m2)	SAND BLANKET	000	07.785.0	07 139 71	12,601,13	A5 171 A	2: "	36 376 3		אא פרר ג	00:00	105 701 0		1,5 198 30		2 107 88		000		72.175.25
	SECTION LENGTH (m)	EARTH WORK	30 100	20.202	114 72	71.7	01.136		82 076	מייה הסיי	65 50		00 051		00 903		97.05		69 962		2,632.45
	SECTION	BRIDGE							03.50	25.55						7.00					193.60
IS - P3	CHAINAGE		0 + +0.00	0 + 342.05	0 + 54.28	0 + 500.00	0 + 66.07	0 + 420.17	0 + 10.00	85.90+ + 0	0 + 13.13	0 + 140.00	0 + 60.00	0 + 210.00	0 + +0.00	0 + 540.00	0 + 12.05	00.001 + 0	0 + 0.00	0 - 326.69	
Quantity of Earth Work (Ramp) IC3-1S-P3	RANT NANE		6	A KANIP	9.70.0.	מינוביע פ	Ø 85 G	Tion of	8 v d "d"	TWW C	8110.3	HANN T	"F" 8 33 (D	7,2,1	8 % PV		Grown		"R" RO3D		TOTAL
Quantity of Earth	SECTION No.									٠ <u>٠</u> ٢								<u>v</u>	}		

Sand fill quantity = Sand (fill+blanket) quantity - Sand blanket area x 0.70m Sand fill quantity = 169,631.32 - 72,175.25 x 0.70

169,631.32

72,175,25 x 0,70

119,108.64 m<sup>3</sup>

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INTERCHANGE 3 - "A" RAMP QUANTITY OF EARTH WORK

2	Chairman	Distance(m)	Length of	Width of pavement		Area	Area (m²)			Quantity (m3)	
2		(iii) aniigise (	Talus	surface (m)	Total	Sand (fill+blanket)	Selected Material	Clay	Sand (fill+blanket)	Sefected Material	Clay
1-	Kni0+ 10.000		17.34	00.6	92.03		3.24	8.67			
7	Kin0+ 80.000	10.000	15.14	00'6	71.76		3.24	7.57			324.80
(,)	Kin0+ 120.000	10.000	12.20	00.6	65.98	16.31	3.24	6.10			273.40
1=	Kin0+ 160,000	000:01	10.23	00.6	39.33	23.65	3.24	5.12	1459.10	129.60	224.30
7	Km0+ 200.000	10.000	6.93	00.6	27.96	13.93	3.24	3.47			171.60
9	Kırı0+ 240.000	000'0†	8.29	00.6	30.63	15.92	3.24	4.15	596.80		152,20
-	Kin0+ 280,000	10.000	11.42	00.6	100.96	83.18	3.24	7.21	06.1861	129.60	227.10
∞	Km0+ 320.000	10.000	16.57	00'6	96.80		3.24	8.29	3222.50		309.90
6	Km0+ 342.045	22.045	19.29	00.6	108.63	88.42	3.24	9,65		71.43	197.63
TOTAL	AL					-			11132.20	978.63	1880.93

INTERCHANGE 3 - "B" RAMP QUANTITY OF EARTH WORK

			I tenenh of	Width of payernent		Area (m²)	(m²)			Ouantity (m <sup>3</sup> )	
<u>2</u>	Chainage	Distance(m)	Talus	surface (m)	Total	Sand (fill+blanket)	Selected Material	Clay	Sand (fill+blanket)	Selected Material	Clay
	Km0+ 54.283		77.6	00'9	25.48	13.20	2.34	4.89			
7	Km0+ 80.000	25.717	5.29	00'9	11.68	1.64	2.34	2.65	69.061	81.09	96.82
	Km0+ 120,000	10.000	7.16	00′9	17.17	61.9	2.34	3.58	156.50	93.60	124.50
	Km0+ 160,000	40.000	8.75	00'9	20.86	60.6	2.34	4.38	305.50	93.60	159.10
	Km0+ 200.000	10.000	6.55	00.9	15.61	4.92	2.34	3.28	280.00	93.60	153.00
9	Km0+ 240,000	10,000	7.18	00.9	17.67	99'9	2.34	3.59	231.50	93.60	137.30
,	Kin0+ 280,000	40.000	8.03	00.9	16.70	5.27	2.34	4.02	238.50	93.60	152.10
တ	Km0+ 320,000	10:000	8.13	00.9	33.65	22.17	2.34	4.07	248.60	93.60	161.60
6	Knv0+ 360,000	10.000	10.18	00'9	26.89	85.41	2.34	5.09	730.90	93.60	183.10
2	10 Km0+ 100,000	10.000	13.52	6.15	55.70	41.38	2.39	6.76	1115.10	05.46	237.00
	11 Km0+ 440,000	10.000	15.09	6.80	62.94	17.15	2.58	7.55	1770.40	99.30	286.10
7	Km0+ 180,000	10.000	16.72	08.9	72.51	55.90	2.58	8.36	2060.90	103.20	318.10
<u>''</u>	Kin0+ 500,000	20.000	15.55	900.9	65.24	50.05	2.34	7.78	1059,45	19.20	161.35
	Intersection								20622.70	2181.53	1166.17
5	FOTAL		:						29310,74	3243.11	3336.24

INTERCHANGE 3 - "C" RAMP QUANTITY OF EARTH WORK

-	ō	ć	Length of	Width of pavement		Area (m²)	(m²)			Quantity (m³)	
Š	Chamage	Uistance(m)	Talus	surface (m)	Total	Sand (fill+blanket)	Selected Material	Clay	Sand (fill+blanket)	Selected Material	Clay
-	Km0+ 66.073		91.01	00.6	34.97	85.61	3.24	5.08			
7	2 Km0+ 80.000	13,927	7.90	00.6	25.55	11.09	3.24	3.95	212.18	45.12	62.88
~	Kin0+ 120,000	10.000	7.09	00.6	26.31	12.20	3.24	3,55	165.70	129.60	149.90
4	4 Kin0+ 160,000	+0.000	8.15	00.6	23.55	8.97	3.24	80°t	423.20	129,60	152.40
J.	5 Km0+ 200,000	10.000	8.83	00.6		15.19	3.24	4.42	183.00	129,60	169.80
٩	6 Km0+ 240,000	10.000	12.52	00.6	49.46	32.69	3.24	6.26	957.50	129.60	213.50
7	7 Km0+ 280.000	10.000	10.33	00.6	34.87	19.20	3.24	5.17	1037.70	129.60	228.50
٥.	3 Km0+ 320 000	10.000	13.0+	00.6	16.93	29.90	3.24	6.52	06.186	129,60	233.70
6	9 Km0+ 360.000	10.000	77.6	00.6	32.05	16.66	3.24	68.+	931.10	129.60	228.10
10	10 Km0+ 400.000	10.000	8.40	14.50	44.36	24.19	68′†	4.20	06.918	162.60	181.70
=	11 Kn10+ +20.171	20.171	8.53	12.00	30.75	13.52	†1'†	4.27	380.27	91.07	85.37
OTAL	7.							_	689.45	1206.00	1705.85

INTERCHANGE 3 - "D" RANIP QUANTITY OF EARTH WORK

2	Chainage	Distance(m)	Length of	Width of pavement		Area (m <sup>-</sup> )	(m²)			Quantity (m³)	
2	Culantua By	Cistance (mil)	Talus	surface (m)	Total	Sand (fill+blanket)	Selected Material	Clay	Sand (fill+blanket)	Selected Material	Clay
<u>-</u>	Km0+ +0.000		13.79	00.9	56.81	42.50	2.34	6.90			
2	2 Km0+ 80.000	000'01	11.30	00'9	33.12	20.05	2.34	3.65	1250.90	93.60	250.90
3.	3 Km0+ 120.000	000.01	r	00'9		. 10.83	2,34	4.37	09'19	09.66	200.40
1.2	4 Km0+ 160.000	10.000	6.23	00'9	14.46	3.93	2.34	3.12	295,10	93.60	149.70
고	5 Km0+ 200.000	000'0t	89.8	00.9	25.28	13.52	2.34	4:34	348.90	93.60	149.10
c K	6 Kin0+ 240,000	000'0 <del>1</del>	16.98	00.9	61.88	45.97	2.34	8.49	08.6811	09.66	256.60
7 Kı	7 Km0+ 252.250	12.250	19.41	00'9	139.83	110.11	2.34	22.31	96.556	28.67	188.62
מַן	"D" Ramp Bridge	93.500									
8 K1	8 Kin0+ 345.750		42.90	6.00	162.11	133.24	2.34	21.45			
9 Kr	9 Km0+ 360.000	14.250	17.15	00.9	65.90	16.61	2.34	8.58	16.4081	33.35	213.93
5 고	10 Km0+ +00.000	10.000	18.52	00'9	90.20	73.52	2.34	9.26	2468.50	09.60	356.70
<u>고</u>	Kin0+ 409.382	9.382	16.72	6.00	61.79	16.03	2.34	8.36	560.81	21.95	82.66
_											
OTAL									8992.48	645.56	1848.60

INTERCHANGE 3 - "E" RAMP QUANTITY OF EARTH WORK

Ž		Dietance(m)	Length of	Width of pavement		Area (m²)	(m²)			Quantity (m³)	
2	Citalilage	- 1	Talus	surface (m)	Total	Sand (fill+blanket)	Sand (fill+blanket)   Selected Material	Clay	Sand (fill+blanket)   Selected Material	Selected Material	Clay
	Km0+ 43.428		85.6		26.96	13.93	2.58	66.4			
7	Km0+ 80.000	36.572	86.8	6.12		12.43	2.38	61.1			169.69
<u> </u>	Km0+ 120.000	000.01	8.77	90.9		12.72	2.34	4.39			177.50
4	4 Km0+ 140.000	20.000	16.7		20.33	8.96	2.34	3.96		08'9†	83.40
2	5 intersection								1144.55		320.58
5	TOTAL								2346.32	562.69	751.17

INTERCHANGE 3 - "F" RANIP QUANTITY OF EARTH WORK

2		Distance	Length of	Width of pavement		Area	Area (m²)		)	Quantity (m³)	
0	Cildinage	Distance(III)	Tatus	surface (m)	Total	Sand (fill+blanket)	Selected Material	Clay	Sand (fill+blanket)	Selected Material	Clay
	Krn0+ 60.000		4.72	00'6	66'91	90'†	3.24	2.36			
2	2 Km0+ 80.000	20.000	8.79	00'6		12.47	3.24	01.4	165.25		67.55
'n	Km0+ 120.000	+0.000	9.59	00'6	33.42		3.24	08.4	010.40	129,60	183.80
4	4 Kin0+ 160.000	10.000	18.27	00'6	1	98.33	3.24	6.14	2327.60		278.60
3	5 Km0+ 200.000	000.0t	17.79	00.6	106,70		3.24	8.90	3711.20		360.60
9	6 Km0+ 210.000	10.000	17.79	00.6	106,70		3.24	8.90	872.35		88.95
	Intersection								11431,32	11926.11	805.78
FOTAL	٩Ľ								19118.12	2142,11	1785.28

INTERCHANGE 3 - NATIONAT HIGHWAY No.91 QUANTITY OF EARTH WORK

	_	Dietonos(m)	Length of	Width of pavement		Area	Area (m²)			Quantity (m³)	
2 	Chamage	Distance(iii)	Talus	surface (m)	Total	Sand (fill+blanket)	Selected Material	Clay	Sand (fill+blanket)	Selected Material	Clay
	Km0+ +0.000		11.49	23.00	97.32	65.76	11.7	5.75			
17	2 Km0+ 80.000	000.01	13.60	23.00	84.17	51.55	7.+4	6.80	2346.10	297.60	250.90
<u> </u>	3 Km0+ 120,000	10.000	15.65	23.00	164.73	131.09	7.41	7.83		297.60	292.50
4	4 Km0+ 160,000	000'01	13.60	23.00	229.43	18.961	7.44	6.80	6357.90	297.60	292.50
C	5 Km0+ 200,000	10.000	17.17	23.00	324.33	274.93	7.44	23.59		297.60	607.70
E	C Km0+ 240,000	10.000	53.33	23.00	361.04	308.56	7.44	26.67	11669.60	297.60	1005.00
1	7 Km0+ 259,970	19.970	55.55	23.00	457,68	40,109	7.44	27.78	1115.71	148.58	543.58
	Fly Over Bridge	100.100									
∞	8 Km0+ 360.070		56.35	23.00	115.78	391.79	7.41	28.18			
2	9 Km0+ 100.000	39.930	50.09	23.00	103.62	352.76	7.44	25.05	14864.74	297.08	1062.54
2	10 Km0+ +10.000	10.000	43.18	23.00	300.40	252.84	7.44	21.74	12111.90	297.60	935.70
=	Km0+ 480.000	10.000	16.12	23.00	172.20	138.32	7.44	8.06	7823.20	297.60	596.00
12	12 Km0+ 520.000	10.000	16.14	23.00	171.45	137.56	7.44	8.07	5517.60	297.60	322.60
Ξ	13 Km0+ 540.000	20.000	16.79	23.00	184.64	150.43	7.44	8.40	2879.85	148.80	164.65
TOTAL	FAL						!		83974.00	2975.26	6073.67

INTERSECTION - "A" ROAD QUANTITY OF EARTH WORK

,		1	Length of	Width of pavement		1	Area (m²)				Quantity (m <sup>3</sup> )	v (m³)	
Ž	Chainage	Distance(m)	Talus	surface (m)	Total	Sand (fill+blanket)	Ex. Soil	Ex. Soil   Selected Material	Clay	Clay Sand (fill+blanket) Ex. Soil	Ex. Soil	Selected Material	Clay
-	Km0+ 12.050		7.89	32.34	76.81		8.62	10.24	3.95				
7	Km0+ +0.000	27.950	7.35	17.10	L.	21.88	10,46	5.67	3.68	833.86	'	222.37	106.49
ري	Km0+ 80.000	10.000	4.08	17.90		22.75	23.70	5.91	2.04	892.50	683.20	231.60 114.30	114.30
4	4 Cm0+ 100.000		4.08	17.90		22.75	23.70	5.91	2.04	135.00		118.20	10.80
Tol	<b>ΓΟΤ</b> ΛΙ									2181.36	2181.36 1423.84	572.17 261.59	261.59
۱													

INTERSECTION - "B" ROAD QUANTITY OF EARTH WORK

V V	Chainage	Distance(m)	Length of	Length of Width of pavement			Area (m²)				Quantity (m³)	ւչ (m³)	
2	Cilainage	Distance (III)	Talus	surface (m)	Total	Sand (fill+blanket)	Ex. Soil	Selected Material	Clay	Clay Sand (fill+blanket) Ex. Soil	Ex. Soil	Selected Material	Clay
_	Km0+ 0.000		00.0	11.00	8.85	+3.8+	8.85	3.84	00'0				
2	Km0+ 60.000	000.09	0.44	15.97		5.63	21.62	5.33	0.22	53.67	914.10	275.13	6.60
3	Km0+ 80.000	20.000	1.45	25.36		8.87	27.39	8.15	0.73	1+1.96	190.10	134.79	9.45
+	Km0+ 120,000	10.000	1.88	7.00	18.26	8.85	14.60	2.64	0.94	354.34	839.80	215.76	33.30
S	5 Km0+ 160.000	10.000	2.40	7.00	18.33	8.66	13.46	2.64	1.20	350.20	561.20	105.60	12.80
9	6 Km0+ 200.000	10.000	7.30	7.00	24.70	12.58	2.87	2.64	3.65	124.80	326.60	105.60	97.00
7	Km0+ 240.000	000.01	4.71	7.00	21.15	10.33	+1.1+	2.64	2.36	458.10	140.20	105.60	120,10
တ	8 Km0+ 280.000	000'01	5.09	7.00	20.15	9.20	6.90	2.64	2.55	390.40	220.80	105.60	98.00
6	9 Km0+ 326.690	16.690	1.95	7.00	17.76	8.38	12.40	2.64	0.98	410.17	450.56	123.26	82.17
											_		
TOTAL	ΑL					·				2586.64 3943.36	3943.36	1171.34 489.42	489.42

#### QUANTITY OF EARTH WORK SERVICE AREA (KM8+880 - KM9+185)

					Area(m2)		Quantity (m3)	
No,	Station	Distance (m)	Length of talus	Total	Sand (fill+blanket)+selected material + pavement	Clay	Sand (fill+blanket)+selected material +pavement (A)	Clay
1	Km8+ 880.00		5.71	29.85	27.00	2.86		
2	Km8+ 900.00	20.000	5.71	29.85	27.00	2.86	539.90	57.10
3	Km8+ 940.00	40.000	3.46	159.97	158.24	1.73	3 704.70	91.70
4	Km8+ 980.00	40.000	3.08	138.24	136.70	1.54	5 898.80	65.40
5	Km9+ 020.00	40.000	4.00	162.96	160.96	2.00	5 953.20	70.80
6	Km9+ 060.00	40.000	3.15	140.31	138.74	1.58	5 993.90	71.50
7	Km9+ 100.00	40.000	4.75	156.71	154.34	2.38	5 861.40	79.00
8	Km9+ 140.00	40.000	3.22	47.69	46.08	1.61	4 008.30	79.70
9	Km9+ 185.00	45.000	3.27	18.51	16.88	1.64	1 416.49	73.01
				SUM	<u> </u>		33 377	588

\*Area sand blanket:

22643 m2

\*Area pavement :

9548 m2

\*Quantity seleted material:

9548\*0.3 =

2864 m3

\*Quantity sand fill = A - sand blanket - pavement - seleted material

7501 m3

#### QUANTITY OF FINAL SETTLEMENT, SURCHARGE AND REMOVING SURCHARGE PACKAGE 3 - CAN THO SIDE MAIN WAY

		Ground	Design	Embankment	Area of	Area of	Area of	Quantity of	Quantity of	Quantity of
Chainage	Distance	level	level	height	settlement	surcharge	removing		surcharge	
					,	-	surcharge			surcharge
}	(m)			(m)	(m²)	(m²)	(m²)	(m³)	(m³)	(m³)
		7			, <u> </u>		·		<u> </u>	(*** )
1/ MAIN BI	RIDGE (C	AN THO	) - CAL	TAC 1						
KM7+660	ĺ	0.950			126.28	40.20	24,55		1	
KM7+680	20.00	0.930	6.406	5.476			27.54	2379.10	804.00	520.94
KM7+700	20.00	0.880	5.752	4.872	103.37	31.65	28.85	2150.09	718.50	563.93
KM7+710	10.00	1.140	5,498	4.358	103.27	31.65		1033.23	316.50	277.45
KM7+720	10.00	1.400	5.293	3.893	99.32	22.10	24.74	1012.94	268.75	256.88
KM7+730	10.00	1.100	5,136	4.036	103.21	31.65	25.25	1012.62	268.75	249.96
KM7+740	10.00	1.440	5.027	3.587	88.21	22.10	23.70	•		244.75
KM7+760	20.00	0.820	4.902	4.082	103.22	31.65	25.45	1914.25	537.50	491.48
KM7+780	20.00	1.440	4.783	3.343	79.35	22.10	22.87	1825.67	537.50	483.19
KM7+800	20.00	1.590	4.664	3.074	69.59	22.10	21.95	1489.37	442.00	
KM7+820	20.00	1.740	4.545	2.805	60.09	0.00	0.00	1296.81	221.00	l .
KM7+840	20.00	1.090	4.425	3.335	79.06	22.10	22.84	1391.55	ł	228.39
KM7+850	10.00	1.100	4.366	3.266	76.56	22.10	22.60	778.08		227.22
KM7+860	10.00	1.140	4.306	3.166	72.93	22.10	22.26	747.41	221.00	224.34
KM7+880	20.00	0.350	4.187	3.837	97.28	22.10	24,55	1702.09	442.00	468.10
KM7+900	20.00	-0.370	4.068	4.438	103.29	31.65	26.98	2005.71	537.50	515.29
KM7+920	20.00	0.340	3.949	3.609	89.01	22.10	23.77	1922.94	537.50	507.54
KM7+930	10.00	0.700	3.889	3.189	73.76	22.10	22.34	813.84	221.00	
KM7+940	10.00	1.780	3.830	2.050	33.75	0.00	0.00	537.53	110.50	111.71
KM7+960	20.00	1.190	3,710	2.520	50.15	0.00	0.00	838.93	0.00	0.00
KM7+980	20.00	1.760	3.591	1.831	28.55	0.00	0.00	787.00	0.00	0.00
KM8+000	20.00	0.760	3.487	2.727	57.37	0.00	0.00	859.25	0.00	0.00
KM8+020	20.00	0.880	3.434	2.554	51.33	0.00	0.00	1087.07	0.00	0.00
KM8+040	20.00	1.650	3.435	1.785	27.61	0.00	0.00	789.49	0.00	0.00
KM8+060	20.00	1.450	3.487	2.037	33.29	0.00	0.00	609.05	0.00	0.00
KM8+080	20.00	0.660	3.554	2.894	63.20	0.00	0.00	964.92	0.00	0.00
KM8+100	20.00	1.380	3.621	2.241	40.41	0.00	0.00	1036.12	0.00	0.00
KM8+120	20.00	1.510	3.687	2.177	38.18	0.00	0.00	785.88	0.00	0.00
KM8+140	20.00	1.400	3.754	2.354	44.35	0.00	0.00	825.32	0.00	0.00
KM8+160	20.00	1.270	3.821	2.551	51.23	0.00	0.00	955.85	0.00	0.00
KM8+180	20.00	0.990	3.888	2.898	63.34	0.00	0.00			0.00
KM8+200	20.00	1.540	3.955	2.415	46.48		0.00	1098.24	0.00	0.00
KM8+220	20.00	1,330	4.022	2.692	56.15	0.00	0.00	1026.34	0.00	0.00
KM8+240	20.00	1.170	4.096	2.926	64.32	0.00	0.00	1204.68		0.00
KM8+260	20.00	1,280	4.156	2.876	62.57	0.00	0.00	1268.90	0.00	0.00
KM8+270	10.00	1,200	4.189	2.989	66.52	0.00	0.00	645.44		0.00
KM8+280	10.00	1,130	4.223	3.093	70.28	22.10	22.02	683.96		
KM8+300	20.00	1.120	4.289		73.03	22.10	22.27	1433.11	442.00	442.91
KM8+320	20.00	1.110	4.356	3.246	75.83		22.54	1488.65	442.00	
KM8+340	20.00	1.100	4.423	3.323		22.10	22.80	1544.55		453.35
KM8+360	20.00	1.060	4.519	3.459	83.56					
KM8+380	20.00	1.040	4.716	3.676	91.44	22.10		1750.01	442.00	472.59
KM8+400	20.00	1.090	5.016	3.926		22.10	24.85		442.00	
KM8+420	20.00	1.260	5.417	1	103.23	31.65	25.78			506.24
KM8+440	20.00	1.310	5.847		103.31				633.00	531.84
KM8+456.	16.85	1.100	6.210	5.110	105.30	40.20		1757.54	605.34	475.00
TOTAL (I)								57200	11433	10659

			- 1	Embankment	1	Area of	Area of			Quantity of
Chainage	Distance	level	level	height	settlement	surcharge	removing	settlement	surcharge	- 1
							surcharge			surcharge
	(m)			(m)	(m²)	(m²)	(m²)	(m³)	(m³)	(m³)
OLOALTA	04 041		ļ							
2/ CAI TAC KM8+642.		0.310	7.690	7 000	440.00	40.00	00.00			l l
KM8+660	17.25	0.330		7.380 7.082		40.20	20.22	1	000.45	050 70
KM8+680	20.00			5.948	144.48 119.80	40.20 40.20	21.38	1	693.45	358.78
KM8+700	20.00	1.410		5.168	106.31	40.20	25.70 28.74	•	804.00 804.00	470.83 544.48
KM8+720	20.00	1.310		4.838	103.37	31.65	28.70	1		574.48
KM8+740	20.00	1.570	5.718	4.148	103.23	31.65	25.74	1		544.40
KM8+760	20.00	1.630		3.658	90.79	22.10	23.94	1	537.50	496.74
KM8+780	20.00	1.680		3.178		22.10	22.31	1	442.00	462.42
KM8+790	10.00	0.750		3.893	99.32	22.10	24.74	863.39	221.00	235.21
KM8+800	10.00	1.480		2.948	65.09	0.00	0.00	3	110.50	123.68
KM8+820	20.00	1.630		2.368	,	0.00	0.00	,	0.00	0.00
KM8+840	20.00	1.380		2.234	40.17	0.00	0.00	ł	i i	0.00
KM8+860	20.00	1.390	,	1.996	,	0.00		1		0.00
KM8+880 KM8+900	20.00 20.00	1.570 0.480		1.752 2.934	1	0.00	0.00	1		0.00
KM8+900	20.00	0.660	1	2.934 2.892	1	0.00 0.00	0.00 0.00	1 '		0.00
KM8+940	20.00	1.590		2.100	1	0.00	0.00	I .	0.00 0.00	0.00 0.00
KM8+960	20.00	1.370		2.458	1	0.00	0.00	1		0.00
KM8+980	20.00	1.180		2.786	ę.		0.00	(	0.00	0.00
KM9+000	20.00	-0.650		4.754	!	I I	28.34	1		283.42
KM9+020	20.00	1,310		2.910		0.00	0.00	1	1	283.42
KM9+040	20.00	1.460	4.260	2.800			0.00	t	0.00	0.00
KM9+060	20.00	-0.640		4.861	103.37	31.65	28.80	1632.92	316,50	288.02
KM9+080	20.00	1.380		2.726	1	0.00	0.00	1607.10	316,50	288.02
KM9+100	20.00	1.390		2,578		0.00	0.00	3	0.00	0.00
KM9+120	20.00	1.420	3.831	2.411	46.34	0.00	0.00	!	0.00	0.00
KM9+140	20.00	0.930		2.764	58.66	0.00	0.00	1	0.00	0.00
KM9+160	20.00	1:040	3.557	2.517	50.04	0.00	0.00	1	0.00	0.00
KM9+180   KM9+200	20.00 20.00				1			ı		0.00
KM9+220	20.00	1.400		1.768			0.00 0.00	(		0.00 0.00
KM9+245	25.00			2.122	•			I		0.00
KM9+260	15.00	1.100		2.339			0.00			0.00
KM9+280	20.00			2.758						0.00
KM9+290	10.00	1.090		3.008			21.73			108.64
KM9+300	10.00	1.050	1	3.297		22,10	22.71	724.36	221.00	222.19
KM9+320	20.00	1.250		3.597				ſ		464.40
KM9+322	2.00	0.530		4.291	4	31.65	26.35	1		50.08
KM9+340 KM9+360	18.00 20.00	1,250 1,300	5.266 5.753	4.016 4.453			25.17		1	463.68
KM9+380	20.00	1.110			i		ì	I		522.17
KM9+400	20.00			5.212			29.23 28.57	I	1	562.80 579.06
KM9+420	20.00			•			26.57 26.51	3		578.06 550.79
KM9+431								1	460.29	301.98
TOTAL (II)								56963	11047	8779
		-								
3/ CAI TA										[
KM9+468.	. 1		6.720		}	40.20	26.90			
KM9+480	11.45			5.572		40.20	27.17		460.29	309.57
KM9+500							28.30		804.00	554.66
KM9+520 KM9+540	20.00	1.410 1.500					28.29			565.91
NINSTO4U	20.00	ຸ ເ.ວນປ	5.754	4.254	103.25	31.65	26.19	2065.99	633.00	544.87
•		•								
					•					
					1 - 2	2 - 25				

				Embankment		Area of	Area of	Quantity of	Quantity of	Quantity of
Chainage	Distance	level	level	height	settlement	surcharge	removing	settlement	surcharge	removing
	(m)			(m)	(m²)	(m²)	surcharge (m²)	(m³)	(m³)	surcharge
M9+560	20.00	1.360	5.267	3.907	99.82	22.10	24.78			(m³) 509.76
M9+580	20.00	1,110	4.798	3.688	91.87	22.10	24.04			
CM9+600	20.00	0.470	4.437	3.967	102.00	22.10	24.99		442.00	490.27
KM9+620	20.00	1.390	4.185	2.795	59.75	0.00	0.00	1		249.88
KM9+640	20.00	0.850	4.040	3.190	73.80	- 22.10	22.35	3	221.00	223.46
(M9+660	20.00	0.960	3.926	2.966	65.71	0.00	0.00		221.00	223.46
CM9+680 CM9+700	20.00 20.00	0.960 0.960	3.813 3.699	2.853 2.739	61.77 57.79	0.00 00.0	0.00 0.00	}		0.00
CM9+720	20.00	0.980	3.585	2.605	53.11	0.00	0.00	į.	0.00	0.00 0.00
KM9+732	12.00	0.900	3.514	2.614	53.43	0.00	0.00	5	0.00	0.00
KM9+740	8.00	0.880	3.471	2.591	52.63	0.00	0.00		0.00	0.00
KM9+760	20.00	0,900	3.357	2.457	47.95	0.00	0.00	3	0.00	0.00
<m9+780 <m9+800< td=""><td>20.00 20.00</td><td>0.940 0.180</td><td>3.243 3.129</td><td>2.303 2.949</td><td>42.57 65.12</td><td>0.00</td><td>0.00</td><td>905.24</td><td>0.00</td><td>0.00</td></m9+800<></m9+780 	20.00 20.00	0.940 0.180	3.243 3.129	2.303 2.949	42.57 65.12	0.00	0.00	905.24	0.00	0.00
CM9+820	20.00	0.880	3.015	2.135	36,71	0.00 0.00	0.00 0.00	1076.95 1018.32	0.00 0.00	0.00
CM9+840	20.00	0.890	2.902	2.012	32.42	0.00	0.00		0.00	0.00 0.00
CM9+860	20.00	0.950	2.788	1.838	28.70	0.00	0.00	611.14	0.00	0.00
KM9+870	10.00	0.960	2.732	1.772	27.35	0.00	0.00	280.22	0.00	0.00
CM9+880	10.00	0.960	2.683	1.723	26.35	0.00	0.00	i i	0.00	0.00
KM9+900 KM9+920	20.00 20.00	0.980 1.200	2.611 2.573	1.631 1.373	24.47	0.00	0.00	508.22	0.00	0.00
CM9+940	20.00	0.870	2.567	1.697	19.21 25.82	0.00 0.00	0.00 0.00	436.82 450.28	0.00 0.00	0.00
(M9+960	20.00	1.150	2.570	1.420	20.17	0.00	0.00	450.28	0.00	0.00 0.00
M9+980	20.00	1.040	2.574	1.534	22.49	0.00	0.00		0.00	0.00
(M10+000	1 .	1.020	2.577	1.557	22.96	0.00	0.00	454.56	0.00	0.00
(M10+020		1.000	2.580	1.580	23.43	0.00	0.00	463.95	0.00	0.00
(M10+040 (M10+060	į .	0.990	2.584	1.594	23.72	0.00	0.00		0.00	0.00
(M10+080		0.970 1.030	2.587 2.591	1.617 1.561	24.19 23.04	0.00	0.00	B .	0.00	0.00
(M10+100	1	1.000	2.594	1.594	23.72	0.00 0.00	0.00 0.00	S 1		0.00 0.00
KM10+120	1	1.040	2.684		24.74	0.00	0.00			0.00
KM10+140	1	1.080	2.775	1.695	25.78	0.00	0.00	1		0.00
(M10+142		\$ I	2.787	1.677	25.41	0.00	0.00		0.00	0.00
(M10+16( (M10+18(	Ł	1.060 1.140	2.865 2.955	1.805	28.02	0.00	0.00	I :		0.00
(M10+18)	1	, ,	3.046	1.815 1.746	28.23 26.82	0.00 0.00	0.00 0.00	s .	0.00	0.00
KM10+220	i		3.136			0.00	0.00	1	0.00 0.00	0.00 0.00
KM10+240	1	1	3.226		34.30	0.00	0.00	!	0.00	0.00
KM10+260	1		3.316		1	0.00	0.00	i	0.00	0.00
(M10+28) (M10+30)	1		3.430		ŧ :	0.00	0.00	ł i	0.00	0.00
(M10+30)			3.705 4.166	i .		0.00	0.00	840.68	0.00	0.00
CM10+340	1	1	4.782	1		22.10	0.00 23.07		0.00 221.00	0.00
KM10+360	1	!				22.10	25.04		442.00	230.67 481.09
KM10+380	L		5.805	ı		31.65	28.13		537.50	531.74
KM10+400	1		1 .		103.35		28.31	1	633.00	564.44
(M10+416	<del></del>	1.470	6.390	4.920	103.38	31.65	29.06		514.31	466.12
OTAL (III	1	Γ			<del></del>		<u> </u>	49845	7048	6434
/ CAI DA	l BAMA!	I NG		ł						
CM10+50		1.690	6.390	4.700	103.34	31.65	28.11			
KM10+52		0.950	6.256	5.306					368.23	288,62
KM10+54	,	1	1	1	1	1	28.39	2120.47	718.50	565.92
KM10+56	d 20.00	-0.030	5.491	5,521	112.41	40.20	27.37	2157.66	718.50	
								•		
					1 - 2	2 - 26				*
										•

		Ground	Dosign	Embankment	Area of	Area of	Area of	Quantity of	Quantity	Quantity of
Chainage			ievel	height	i	surcharge		-	surcharge	- 1
OstalitaSe	Distance	10161	10 401	Height	30(((6))16)(	adicital ge	surcharge	Settionicit	Sulcharge	surcharge
	(m)			(m)	(m²)	(m²)	(m²)	(m³)	(m³)	(m³)
KM10+580		0.540	4.960	4.420	103.28	31.65	26.91	2156.97	718.50	542.74
KM10+600		0.920	4.335	3.415	81.96	22.10	23.11	1852.49	537.50	500.17
KM10+620		1.900	3.709	1.809	28.10	0.00	0.00	1100.68	ł i	231.11
KM10+640		0.640	3.222	2.582	52.31	0.00	0.00	804.15	0.00	0.00
KM10+650		0.940	3.038	2.098	35.42	0.00	0.00	438.66		0.00
KM10+660		1.250	2.894	1.644	24.74	0.00	0.00	300.79	0.00	0.00
KM10+680		1.140	2.724	1.584	23.51	0.00	0.00	482.51	0.00	0.00
KM10+700		1.380	2.692	1.312	17.96	0.00	0.00	414.78		0.00
KM10+720		0.750	2.681	1.931	30.59	0.00	0.00	485.57	0.00	0.00
KM10+740		0.840	2.669	1.829	28.51	0.00	0.00	591.04		0.00
KM10+760		1.240	2.658	1.418	20.13	0.00	0.00	486.39	0.00	0.00
KM10+780		0.510	2.646	2.136	36.75	0.00	0.00	568.74	0.00	0.00
KM10+800		1.030	2.635	1,605	23.94	0.00	0.00	606.88	0.00	0.00
KM10+820		1.180	2.623	1,443	20.64	0.00	0.00	445.79	0.00	0.00
KM10+840		1.010	,	1.602	23.88	0.00	0.00	445.18	0.00	0.00
KM10+860		1.100	2.600	1.500	21.80	0.00	0.00	456.81	0.00	0.00
KM10+880		1.180	2.589	1.409	19.94	0.00	0.00	417.44	0.00	0.00
KM10+900	í	1.450	2,577	1.127	14.19	0.00	0.00	341.34	0.00	0.00
KM10+920	20.00	0.350	2.566	2.216	39.54	0.00	0.00	537.29	0.00	0.00
KM10+939	19.00	0.280	2.555	2.275	41.60	0.00	0.00	770.79	0.00	0.00
KM10+940	1.00	0.280	2.554	2.274	41.56	0.00	0.00	41.58	0.00	0.00
KM10+946	6.00	0.600	2.550	1.950	30.98	0.00	0.00	217.63	0.00	0.00
KM10+960	14.00	1.350	2,623	1.273	17.17	0.00	0.00	337.04	0.00	0.00
KM10+980	20.00	0.540	2,666	2,126	36.40	0.00	0.00	535.67	0.00	0.00
KM11+00	20.00	1.410	2.818	1.408	19.92	0.00	0.00	563,21	0.00	0.00
			·							
KM11+00	·	1.410	2.818	1.408	15.85	0.00	0.00			
KM11+20	20.00	1.310	3.079	1.769	21.73	0.00	0.00	375.85	0.00	0.00
KM11+40	20.00	0.500	3.448	2.948	55.36	0.00	0.00	770.97	0.00	0.00
KM11+60	20.00	1.050	3.872	2.822	51.39	0.00	0.00	1067.55	0.00	0.00
KM11+060		0.470	3.883	3,413	70.96	22.10	30.48	30.59	5.53	7.62
KM11+80	19.50	1.500		2.796	50.57	0.00	0.00	1184.95	215.48	297.20
KM11+100		1.450		3.270	ł.		29.80	1167.00	221.00	297.96
KM11+120				3.565			31.21	1422.23	442.00	610.08
KM11+140				4.246	1			1625.92	537.50	657.17
KM11+160								1688.43		710. <del>6</del> 7
KM11+180				4.765	i	31.65		1597.61	718.50	1
KM11+200		1	•	6.030	,	, ,		1627.45	718.50	730.86
KM11+202		0.200	6.240	6.040	85.48	40.20	36.02	209.24	98.49	88.26
TOTAL (IV	)		·		<del></del> _		· · · · · · · · · · · · · · · · · · ·	33532	6958	6822
5/ BA MÁN	NG - CALI	I .	İ							
KM11+227		0.450	6.240	5.790	82.46	40.00	20.54			
KM11+230		0.450	1 .				36.54		00.40	
KM11+240		ī			i			201.89	98.49	89.55
KM11+240		1.010	3	4.630 4.995	,	31.65		810.62 1531.63	359.25	
KM11+280		5	ł .	4.995	3	31.65	38.18	1531.63	633.00	745.63
KM11+300		1.200	5.357			31.65 31.65		1583.95	633.00	730.97
KM11+320	1			4.157				1730.60	633.00	689.91
KM11+340			•	4.562 3.318	1	31.65	36.15	1686.68	633.00	702.21
KM11+360	į.		l	3.630		22.10 22.10		1483.63	537.50	
KM11+370							31.52 0.00	1460.42	442.00	615.50
KM11+380		1 .		the state of the s	,	, ,	0.00	662.61	110.50	157.62
KM11+400			1		9			507.32	0.00	0.00
1	1 20.00	1. 0.300	1 0.2.10	2.280	1 34.09	0.00	0.00	821.22	0.00	0.00

			Design	Embankment	ſ	Area of	Area of	Quantity of	Quantity of	Quantity of
Chainage	Distance	level	level	height	settlement	surcharge		settlement	surcharge	1
	(100)			()	/2\	/m=2\	surcharge	13\	·3	surcharge
KM11+420	(m) 20.00	0.990	3.042	(m) 2.052	(m²) 27.14	(m²) 0.00	(m²) 0.00	(m³) 620.25	(m³)	(m³)
KM11+440				1.725	21.02	0.00	1		0.00	
KM11+460	I			2.634	45.47	0.00			0.00	
KM11+480	1			2.155	30.38	1			0.00	1
KM11+500	1 1			2.146	30.10	0.00	ŧ	Į į	0.00	0.00
KM11+520	1 1	1	i	2.327	35.80	1		1	0.00	
KM11+540 KM11+560		0.980 0.960		2.438 2.559	39.30 43.11	0.00	,	,	0.00	
KM11+580			3.620	2.700	47.55	1		ı	0.00	
KM11+600		1.300	3.721	2,421	38.76	0.00	1		0.00	0.00
KM11+620				3.522	74.64	22.10		•	221.00	
KM11+640		1.030	3.923	2.893	53.63	0.00	L.	1	221.00	
KM11+660 KM11+680	1 1		4.024	3.204	63.90	22.10	i		221.00	
KM11+700			4.125 4.226	3.285 3.346	66.63 68.69	22.10 22.10			442.00 442.00	
KM11+720	L I			3.217	64.33	22.10	l .	1333.28	442.00	
KM11+740	20.00	1.100	4.428	3.328	68.09	22.10	)	,	442.00	596.16
KM11+760	, :	,		3.619	77.92	22.10		1460.09	442.00	
KM11+780				3.820	84.72	22.10	1	1626.38	442.00	639.07
KM11+800 KM11+820	1			3.921 4.732	88.13 77.99	I		1728.46	442.00	
KM11+840	,			3.963		5	5	•	537.50 537.50	
KM11+860				5,164	75.20	1			623.00	5
KM11+880	1 1		5.135	4.275	85.99			1	718.50	
KM11+900	E I			4.386	84.05	I		1700.33	633.00	
KM11+920				4.597	80.35	1	1		633.00	1
KM11+940 KM11+960	3	,	1	4.638 4.879	79.64 75.42	<u> </u>	1		633.00	726.52
KM11+980	1			1		I				
KM12+000		<b>1</b> 1			75.42	1			1	
KM12+010	10.00	0.800		1						
KM12+020	1	4			73.67	•		739.74	316.50	
KM12+040				ł	80.35			1		
KM12+060 KM12+080					73.39 74.77					
KM12+10(										
KM12+120			6.126	5.216		•				
KM12+140	1	1		ł .	ł .			1523.07		
KM12+147		1		1	1	1		1		
KM12+150 KM12+160	i .				1	I			120.60	
KM12+180						1			402.00 804.00	1 1
KM12+200			i e							
KM12+220	1			i	84.71				1 .	
KM12+240	1	)			,	,	1	ſ	, ,	735.29
KM12+260				4.5	1		3			
KM12+280 KM12+300	1		1			1		, ·		
KM12+32					1					
KM12+33	1		1							
KM12+33	<del></del>	1.390	6.790		1					
TOTAL (V	)	<del>,                                     </del>	1	,	1			75465		
			{		:	·				
	1	1.	!	!	1	1	Ì		<u> </u>	]

Chainage			Design level	height	t .	Area of surcharge	Area of removing	Quantity of settlement	surcharge	
_ [				_			surcharge			surcharg
	(m)			(m)	$(m^2)$	(m²)	(m²)	(m³)	(m³)	(m³)
6/ CAI NAI										
KM12+429		1.330		1		40.20	i			
KM12+440	10.25	0.630		6.004		2	1		412.05	377.0
KM12+460	20.00	0.610		5.940				1691,62	804.00	723.1
KM12+480	20.00	1.460		4.989			•		718.50	743.7
KM12+500	20.00	1.000		5.332						756.4
KM12+520 KM12+540	20.00 20.00	0.750 1.230		5.461 4.860			1	•		747.
KM12+560	20.00	1.380		4.589			<b>}</b>		718.50 633.00	747.4
KM12+580	20.00	0.930				31.65			633.00	737.0 739.8
KM12+590	10.00	0.900		4.887					1	377.
KM12+600	10.00	1.220		4.507	1		l			367.
KM12+620	20.00	1.000		4.606			1		633.00	720.
KM12+640	20.00	1.000	1	4.485		1			633.00	719.4
KM12+660	20.00	0.990		4.374	2	P .	?		633.00	708.0
KM12+680	20.00	0.460					l .		633.00	722.6
KM12+700	20.00	0.150	l .	4.972		31.65	1	i	633.00	752.0
KM12+720	20.00	1.330	5.000	1	1			1		697.
KM12+740	20.00	1.010		3.869	86.37	22.10	32.67	1660.18	442.00	643.8
KM12+750	10.00	1.200		h .	ì	22.10	31.47	821,47	221.00	320.7
KM12+760	10.00	0.720		4.038	•	31.65		(	268.75	324.7
KM12+780	20.00	0.840	1	E		22.10	ì		537.50	658.1
KM12+800	20.00	0.870		3.646	J	,			442.00	639.2
KM12+820	20.00	0.930				22.10	1	1515.52	442.00	623.3
KM12+834	14.00	1.210		3.096	ľ	L		1	309,40	417.8
KM12+840 KM12+860	6.00 20.00	0.910 0.760		3.364		22.10	Į.	1	132.60	177.6
KM12+880	20.00	0.880	:	t	l i		1		442.00	606.3
KM12+900	20.00	0.870	3.911		1	22.10 22.10	l .		442.00	596.1
KM12+920	20.00	0.910		F		0.00	1		442.00 221.00	579.2
KM12+940	20.00	0.840	i	2.974		0.00	5		0.00	286.9 0.0
KM12+950	10.00	0.900	1	2.992						0.0
KM12+960	10.00						}			143.8
KM12+970	10.00		1					ì	1	
KM12+980	10.00	1.000	4.403	3,403	70.62	22.10	1			
KM13+000	20.00	1.070	l	3.906	87.62	22.10	32.85	1582.44	442.00	
KM13+020	20.00					ŧ	J.			703.9
KM13+040	20.00	1.030		l .						
KM13+060	20.00		į.					1567.62		745.6
KM13+080 KM13+100	20.00	1.310						1678.84		726.7
KM13+109	20.00 9.55	1,600	8.008 8.190	•	!	L			1 1	708.0
TOTAL (VI)		1.000	U. 180	0.080	93,40	40.20	34.86	879.42 <b>51714</b>	383.91 <b>19337</b>	334.7 2184
		·						31714	19991	2104
7/ AP MY -				•					. ]	
KM13+250			8.190	1						
KM13+260	9.55		8.008			40.20				324.7
KM13+280	20.00	0.350					33.57	1998.36		677.5
KM13+300 KM13+320	20.00 20.00		7.027	l i	and the second s	40.20	37.49	1790.70	804.00	710.5
KM13+340	20.00	1.470 1.340		i e		31.65		1519.09	718.50	753.0
KM13+360			4.970					1595.33 1663.58	633.00	727.7
KM13+380			4.265		'				633.00 537.50	708.6
KM13+400			3.684							648.5 289.5
		. 10 10	, 5.504	, 2,044	70.10	,		1000.01	421.00	209.0
	·									
						00				
					1 - 2	2 - 29		·		

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KM13+420 5 KM13+440 20 KM13+460 20 KM13+500 20 KM13+520 20 KM13+520 20 KM13+540 18 KM13+560 20 KM13+560 20 KM13+660 20 KM13+680 15 KM13+665 30 KM13+700 20 KM13+700 20 KM13+740 20 KM13+780 20 KM13+780 20 KM13+780 20 KM13+780 20 KM13+780 16 KM13+780 20 KM13+780 20 KM13+780 20 KM13+780 20 KM13+780 20 KM13+780 16 KM13+780 20 KM14+100 7 KM14+100 7 KM14+100 7 KM14+100 20				Embankment		Area of	Area of			Quantity of
KM13+418 15 KM13+440 20 KM13+460 20 KM13+460 20 KM13+500 20 KM13+520 20 KM13+520 20 KM13+520 20 KM13+540 18 KM13+560 20 KM13+560 20 KM13+660 20 KM13+680 15 KM13+665 30 KM13+665 30 KM13+700 20 KM13+700 20 KM13+740 20 KM13+780 20 KM13+780 20 KM13+780 16 KM13+780 20 KM14+100 20 KM14+200 20 KM14+200 20 KM14+300 20	tance	level	level	height	settlement	surcharge	removing	settlement	surcharge	removing
KM13+416         15           KM13+420         5           KM13+440         20           KM13+460         20           KM13+500         20           KM13+520         20           KM13+520         20           KM13+520         20           KM13+520         20           KM13+540         18           KM13+560         20           KM13+580         20           KM13+600         20           KM13+665         30           KM13+665         30           KM13+665         30           KM13+700         20           KM13+700         20           KM13+780         20           KM13+780         20           KM13+800         6           OTAL (VII)         20           KM14+064.9         15           KM14+064.9         15           KM14+107         7           KM14+100         20           KM14+120         20           KM14+200         20           KM14+240         20           KM14+280         20           KM14+300         20           KM14+	\			/ mm \	/ <sup>2</sup> \	(m²)	surcharge	431	. 3,	surcharge
(M13+420 5 (M13+440 20 (M13+460 20 (M13+500 20 (M13+520 20 (M13+520 20 (M13+540 18 (M13+560 20 (M13+560 20 (M13+600 20 (M13+600 20 (M13+665 30 (M13+665 30 (M13+665 30 (M13+700 20 (M14+100 20 (M14+10	(m) 15.00	1.110	3.362	(m) 2.252	(m²) 33,44		(m²)	(m³)	(m³)	(m³)
KM13+440       20         KM13+460       20         KM13+480       20         KM13+500       20         KM13+520       20         KM13+522       2         KM13+560       20         KM13+580       20         KM13+602       20         KM13+665       30         KM13+700       20         KM13+740       4         KM13+760       16         KM13+780       20         KM13+780       20         KM13+780       20         KM13+780       20         KM13+780       20         KM13+780       20         KM13+800       6         DTAL (VII)       20         KM14+064       9         KM14+107       7         KM14+100       20         KM14+101       20         KM14+102       20         KM14+200       20         KM14+201       20         KM14+280       20         KM14+300       20         KM14+300       20         KM14+300       20         KM14+300       20         KM14+	5.00	1.110	3.277	2,252 2,167	33.44 30.76	0.00	0.00	594.18	0.00	0.00
KM13+460 20 KM13+480 20 KM13+500 20 KM13+520 20 KM13+520 20 KM13+540 18 KM13+560 20 KM13+560 20 KM13+600 20 KM13+620 20 KM13+625 15 KM13+665 30 KM13+700 20 KM13+700 30 KM14+100 30 KM14+100 30 KM14+100 30 KM14+100 30 KM14+100 30 KM14+100 30 KM14+200 30 KM14+200 30 KM14+200 30 KM14+200 30 KM14+200 30 KM14+300 30 KM14+3	20.00	1.120	3.043	1,923	24.24	0.00	0.00 0.00	160.50	0.00	0.00
KM13+480       20         KM13+500       20         KM13+520       20         KM13+522       2         KM13+540       18         KM13+560       20         KM13+580       20         KM13+600       20         KM13+635       15         KM13+665       30         KM13+700       20         KM13+740       20         KM13+780       20         KM13+780       20         KM13+780       20         KM13+780       6         OTAL (VII)       0         S/ CAI RANG - E       6         KM14+064-9       6         KM14+064-9       6         KM14+107       7         KM14+100       20         KM14+101       20         KM14+102       20         KM14+180       5         KM14+200       20         KM14+260       13         KM14+280       20         KM14+300       20         KM14+300       20         KM14+360       20         KM14+360       20         KM14+380       10         <	20.00	1.260	2.978	1.718	20.90	0.00	0.00	550.05 451.48	0.00	0.00
KM13+500 20 KM13+520 20 KM13+520 20 KM13+540 18 KM13+560 20 KM13+580 20 KM13+600 20 KM13+635 15 KM13+665 15 KM13+665 15 KM13+700 20 KM13+720 20 KM13+740 40 KM13+780 20 KM13+780 20 KM13+780 16 KM14+064.9 KM14+064.9 KM14+100 20 KM14+200 20 KM14+200 20 KM14+300 20 KM14+400 20	20.00	0.740	2.962	2.222	32.49	0.00	0.00	533.96	0.00	0.00
(M13+520 20 (M13+522 2 (M13+540 18 (M13+540 20 (M13+560 20 (M13+600 20 (M13+635 15 (M13+665 30 (M13+665 30 (M13+700 20 (M13+740 20 (M13+740 40 (M13+740 40 (M13+780 20 (M14+064.9 (M14+064.9 (M14+064.9 (M14+107 7 (M14+107 7 (M14+107 15 (M14+100 20 (M14+107 20	20.00	0.650	2.945	2.295	34.79	0.00	0.00	672.86	0.00 0.00	0.00
KM13+522 2 KM13+540 18 KM13+560 20 KM13+580 20 KM13+600 20 KM13+635 15 KM13+665 30 KM13+665 30 KM13+700 20 KM13+740 20 KM13+740 40 KM13+760 16 KM13+780 20 KM13+780 20 KM13+800 6 OTAL (VII)  B/ CAI RANG - E KM14+064.9 KM14+064.9 KM14+107 7 KM14+100 20 KM14+107 7 KM14+100 20 KM14+100 20 KM14+100 20 KM14+100 20 KM14+100 20 KM14+200 20 KM14+200 20 KM14+200 20 KM14+200 20 KM14+200 20 KM14+300 20 KM14+400 20	20.00	0.730	2.929	2.199	31.77	0.00	0.00	1	0.00	0.00
KM13+540 18 KM13+560 20 KM13+580 20 KM13+600 20 KM13+620 20 KM13+665 30 KM13+665 30 KM13+700 20 KM13+720 20 KM13+740 40 KM13+760 16 KM13+760 16 KM13+780 20 KM13+800 6 OTAL (VII)  B/ CAI RANG - E KM14+064.9 KM14+100 20 KM14+107 7 KM14+120 13 KM14+100 20 KM14+107 7 KM14+120 13 KM14+180 5 KM14+200 20 KM14+200 20 KM14+200 20 KM14+200 20 KM14+200 20 KM14+200 20 KM14+300 20 KM14+400 20	2.00	0.730	2.927	2.197	31.71	0.00	0.00	63.47	0.00	0.00 0.00
KM13+560 20 KM13+580 20 KM13+600 20 KM13+620 20 KM13+635 15 KM13+665 30 KM13+700 20 KM13+720 20 KM13+740 40 KM13+760 16 KM13+780 20 KM13+780 20 KM13+800 6 OTAL (VII)  B/ CAI RANG - E KM14+064.9 KM14+107 7 KM14+107 7 KM14+107 7 KM14+107 7 KM14+107 20 KM14+107 7 KM14+107 20 KM14+107 7 KM14+107 7 KM14+100 20 KM14+107 7 KM14+100 20 KM14+200 20 KM14+200 20 KM14+200 20 KM14+200 20 KM14+200 20 KM14+300 20	18.00	1.110	2.913	1.803	22.29	0.00	0.00	485.95	0.00	0.00
KM13+580 20 KM13+600 20 KM13+620 20 KM13+635 15 KM13+665 30 KM13+700 20 KM13+720 20 KM13+740 40 KM13+760 16 KM13+780 20 KM13+780 20 KM13+800 6 OTAL (VII)  B/ CAI RANG - E KM14+064.9 KM14+100 20 KM14+107 7 KM14+120 13 KM14+160 20 KM14+175 15 KM14+180 5 KM14+20 20 KM14+20 20 KM14+20 20 KM14+20 20 KM14+20 20 KM14+20 20 KM14+30 20 KM14+40 20	20.00	1.100	2.896	1.796	22.17	0.00	0.00	444.64	0.00	0.00
KM13+620 20 KM13+635 15 KM13+665 30 KM13+665 15 KM13+700 20 KM13+740 20 KM13+740 40 KM13+760 16 KM13+760 16 KM13+780 20 KM13+800 6 OTAL (VII)  BY CAI RANG - E KM14+064.9 KM14+064.9 KM14+100 20 KM14+107 7 KM14+120 13 KM14+140 20 KM14+160 20 KM14+175 15 KM14+180 5 KM14+200 20 KM14+200 20 KM14+200 20 KM14+200 20 KM14+200 20 KM14+200 20 KM14+300 20	20.00	0.630	2.880	2,250	33.38	0.00	0.00	555.50	0.00	0.00
KM13+635 15 KM13+665 30 KM13+686 15 KM13+700 20 KM13+740 20 KM13+740 4 KM13+760 16 KM13+780 20 KM13+800 6 OTAL (VII)  B/ CAI RANG - E KM14+064.9 KM14+064.9 KM14+100 20 KM14+107 7 KM14+100 20 KM14+200 20 KM14+200 20 KM14+200 20 KM14+200 20 KM14+200 20 KM14+300 20 KM14+400 20	20.00	0.070	2.869	2.799	50.67	0.00	0.00	840.44	0.00	0.00
KM13+665 30 KM13+700 20 KM13+720 20 KM13+740 40 KM13+760 16 KM13+760 16 KM13+780 20 KM13+800 6 OTAL (VII)  B/ CAI RANG - E KM14+064.9 KM14+064.9 KM14+100 20 KM14+100 20 KM14+100 20 KM14+160 20 KM14+160 20 KM14+180 5 KM14+200 20 KM14+200 20 KM14+200 20 KM14+200 20 KM14+200 20 KM14+200 20 KM14+320 20 KM14+300 20 KM14+400 20	20.00	0.420	2.986	2.566	43.33	0.00	0.00	939.98	0.00	0.00
KM13+680 15 KM13+700 20 KM13+740 20 KM13+740 4 KM13+760 16 KM13+760 16 KM13+800 20 KM13+800 6 OTAL (VII)  B/ CAI RANG - E KM14+064.9 KM14+064.9 KM14+107 7 KM14+100 20 KM14+107 7 KM14+100 20 KM14+107 15 KM14+100 20 KM14+107 20 KM14+200 20 KM14+320 20 KM14+300 20 KM14+400 20	15.00	0.640	3.189	2.549	42.79	0.00	0.00	645.92	0.00	0.00
KM13+700 20 KM13+740 20 KM13+740 20 KM13+740 4 KM13+760 16 KM13+800 20 KM13+800 6 OTAL (VII)  B/ CAI RANG - E KM14+064.9 KM14+100 20 KM14+107 7 KM14+120 13 KM14+160 20 KM14+180 5 KM14+200 20 KM14+220 20 KM14+240 20 KM14+240 20 KM14+240 20 KM14+320 20 KM14+320 20 KM14+340 20 KM14+360 20 KM14+460 20 KM14+460 20 KM14+460 20 KM14+460 20 KM14+460 20 KM14+460 20	30.00	0.670	3.895	3.225	64.61	22.10	29.58	1610.98	331.50	443.70
KM13+720 20 KM13+740 4 KM13+760 16 KM13+780 20 KM13+800 6 OTAL (VII)  B/ CAI RANG - E KM14+064.9 KM14+100 20 KM14+107 7 KM14+120 13 KM14+160 20 KM14+160 20 KM14+160 20 KM14+200 20 KM14+200 20 KM14+200 20 KM14+200 20 KM14+200 20 KM14+300 20	15.00	1.170	4.392	3.222	64.50	22.10	29.57	968.31	331.50	443.59
KM13+740 20 KM13+760 16 KM13+760 20 KM13+800 20 KM13+806 6 OTAL (VII)  B/ CAI RANG - E KM14+064.9 KM14+100 20 KM14+107 7 KM14+120 13 KM14+160 20 KM14+160 20 KM14+175 15 KM14+200 20 KM14+200 20 KM14+200 20 KM14+200 20 KM14+200 20 KM14+300 20 KM14+400 20 KM14+400 20 KM14+400 20 KM14+400 20	20.00	1.070	5.084	4.014	90.56	31.65	33.37	1550.59	537.50	629.34
KM13+744 4 KM13+760 16 KM13+780 20 KM13+800 6 OTAL (VII)  B/ CAI RANG - E KM14+064.9 KM14+100 20 KM14+107 7 KM14+120 13 KM14+140 20 KM14+160 20 KM14+180 5 KM14+200 20 KM14+200 20 KM14+200 20 KM14+200 20 KM14+200 20 KM14+200 20 KM14+300 20	20.00	1.300	5.776	4.476	82.47	31.65	35.63	1730.25	633.00	690.01
KM13+76d 16 KM13+78d 20 KM13+80d 6 OTAL (VII)  B/ CAI RANG - E KM14+064.9 KM14+08d 15 KM14+107 7 KM14+107 7 KM14+12d 13 KM14+14d 20 KM14+16d 20 KM14+180 5 KM14+20d 20 KM14+20d 20 KM14+20d 20 KM14+20d 20 KM14+20d 20 KM14+30d 20 KM14+40d 20	20.00	1.250	6.468	5.218	75.83	40.20	37.74	1582.99	718.50	733.7
KM13+780 20 KM13+800 6 OTAL (VII)  B/ CAI RANG - E KM14+064.9 KM14+080 15 KM14+100 20 KM14+107 7 KM14+120 13 KM14+160 20 KM14+180 5 KM14+200 20 KM14+200 20 KM14+200 20 KM14+200 20 KM14+200 20 KM14+200 20 KM14+320 20 KM14+340 20 KM14+360 13 KM14+360 20 KM14+460 20 KM14+460 20	4.00	1.360	6.634	5.274	76.48	40.20	37.62	304.61	160.80	150.73
KM13+800 20 KM13+806 6 OTAL (VII)  8/ CAI RANG - E KM14+064.9 KM14+080 15 KM14+107 7 KM14+107 7 KM14+120 13 KM14+160 20 KM14+175 15 KM14+180 5 KM14+200 20 KM14+200 20 KM14+220 20 KM14+240 20 KM14+240 20 KM14+260 13 KM14+340 20 KM14+360 20 KM14+460 20 KM14+460 20 KM14+460 20 KM14+460 20 KM14+460 20	16.00	0.410	7.161	6.751	95.71	40.20	34.52	1377.54	643.20	577.18
KM13+806 6 OTAL (VII)  B/ CAI RANG - E KM14+064.9  KM14+080 15  KM14+107 7  KM14+120 13  KM14+160 20  KM14+175 15  KM14+180 5  KM14+200 20  KM14+240 20  KM14+240 20  KM14+240 20  KM14+340 20  KM14+340 20  KM14+340 20  KM14+360 20  KM14+460 20  KM14+460 20  KM14+460 20  KM14+460 20  KM14+460 20  KM14+470 10	20.00	1.350	7.853	6.503	92.14	40.20	35.04	1878.58	804.00	695.67
OTAL (VII)  B/ CAI RANG - E  KM14+064.9  KM14+080 15  KM14+100 20  KM14+107 7  KM14+120 13  KM14+160 20  KM14+175 15  KM14+180 5  KM14+200 20  KM14+240 20  KM14+240 20  KM14+240 20  KM14+340 20  KM14+340 20  KM14+360 20  KM14+460 20	20.00 6.40	0.670 0.670	8.495	7,825	109.04	40.20	32.35	2011.78	804.00	673.94
8/ CAI RANG - E  KM14+064.9  KM14+080 15  KM14+107 7  KM14+120 13  KM14+160 20  KM14+160 20  KM14+175 15  KM14+200 20  KM14+200 20  KM14+220 20  KM14+240 20  KM14+240 20  KM14+240 20  KM14+240 20  KM14+260 13  KM14+280 20  KM14+300 20  KM14+400 20	0.40	0.070	8.680	8.010	111.22	40.20	32.00	704.81	257.28	205.92
KM14+064.9  KM14+080  KM14+100  CM14+107  CM14+120  KM14+160  CM14+160  CM14+175  CM14+180  CM14+200  CM14+200  CM14+220  CM14+240  CM14+240  CM14+260  CM14+320  CM14+320  CM14+340  CM14+360  CM14+370  CM14+380  CM14+440  CMM14+440  CMM14+440  CMM14+460  CMM14+460  CMM14+470	7		<u> </u>					33316	9956	10084
KM14+064.9  KM14+080  KM14+100  CM14+107  CM14+120  KM14+160  CM14+160  CM14+175  CM14+180  CM14+200  CM14+200  CM14+220  CM14+240  CM14+240  CM14+260  CM14+320  CM14+320  CM14+340  CM14+360  CM14+370  CM14+380  CM14+440  CMM14+440  CMM14+440  CMM14+460  CMM14+460  CMM14+470	I - END I	POINT					•	·		·
\text{KM14+080} 15 \text{KM14+100} 20 \text{KM14+107} 7 \text{KM14+120} 13 \text{KM14+160} 20 \text{KM14+160} 20 \text{KM14+180} 5 \text{KM14+200} 20 \text{KM14+200} 20 \text{KM14+240} 20 \text{KM14+240} 20 \text{KM14+260} 13 \text{KM14+300} 20 \text{KM14+300} 20 \text{KM14+300} 20 \text{KM14+300} 20 \text{KM14+300} 20 \text{KM14+360} 20 \text{KM14+360} 20 \text{KM14+360} 20 \text{KM14+360} 20 \text{KM14+440} 20 \text{KM14+460} 20 \text{KM14+460} 20 \text{KM14+460} 20 \text{KM14+470} 10		0.370	8.500	8.130	112.63	40.20	32.00			
KM14+100 20 KM14+107 7 KM14+120 13 KM14+140 20 KM14+160 20 KM14+175 15 KM14+180 5 KM14+200 20 KM14+240 20 KM14+240 20 KM14+240 20 KM14+340 20 KM14+340 20 KM14+360 20 KM14+460 20	15.10	0.470	8.268	7.798	108.72	40.20	32.40	1671.20	607.02	400.00
KM14+107       7         KM14+120       13         KM14+160       20         KM14+175       15         KM14+180       5         KM14+200       20         KM14+240       20         KM14+240       13         KM14+240       13         KM14+260       13         KM14+300       20         KM14+300       20         KM14+340       20         KM14+370       10         KM14+380       10         KM14+400       20         KM14+440       20         KM14+460       20         KM14+470       10	20.00	1.310	7.963	6.653	94.30	40.20	34.73	2030.20	804.00	486.25 671.33
KM14+12d 13 KM14+140 20 KM14+160 20 KM14+175 15 KM14+180 5 KM14+200 20 KM14+240 20 KM14+240 20 KM14+240 13 KM14+280 20 KM14+300 20 KM14+400 20	7.00	1.480	7.848	6.368	90.20	40.20	35.33	645.76	281.40	245.20
KM14+160 20 KM14+175 15 KM14+180 5 KM14+200 20 KM14+220 20 KM14+240 20 KM14+240 13 KM14+260 13 KM14+280 20 KM14+300 20 KM14+400 20	13.00	1.370	7.659	6.289	89.06	40.20	35.49	1165.20	522.60	460.33
KM14+175 15 KM14+180 5 KM14+200 20 KM14+220 20 KM14+240 20 KM14+247 7 KM14+260 13 KM14+300 20 KM14+300 20 KM14+300 20 KM14+340 20 KM14+360 20 KM14+360 20 KM14+360 20 KM14+400 20	20.00	1.360	7.354	5.994	84.83	40.20			804.00	716.00
KM14+180 5 KM14+200 20 KM14+240 20 KM14+240 20 KM14+240 13 KM14+260 13 KM14+300 20 KM14+300 20 KM14+300 20 KM14+340 20 KM14+360 20 KM14+360 20 KM14+360 20 KM14+400 20	20.00	1.410	7.049	5.639	80.71	40.20	36.86		804.00	729.71
KM14+200 20 KM14+240 20 KM14+247 7 KM14+260 13 KM14+280 20 KM14+300 20 KM14+340 20 KM14+340 20 KM14+360 10 KM14+380 10 KM14+400 20	15.00	1.250	6.821	5.571	79.92	40.20	37.00	1204.77	603.00	553.94
KM14+220 20 KM14+240 20 KM14+247 7 KM14+260 13 KM14+300 20 KM14+340 20 KM14+340 20 KM14+360 20 KM14+360 20 KM14+360 20 KM14+360 20 KM14+400 20	5.00	1.210	6.745				37.08	398.57	201.00	185.19
KM14+240 20 KM14+247 7 KM14+260 13 KM14+280 20 KM14+300 20 KM14+340 20 KM14+360 20 KM14+360 20 KM14+360 20 KM14+400 20 KM14+400 20 KM14+400 20 KM14+440 20 KM14+440 20 KM14+440 20 KM14+440 20 KM14+440 10	20.00	0.870	6.440	5.570	79.91	40.20	37.00		804.00	740.80
KM14+247 7 KM14+260 13 KM14+280 20 KM14+300 20 KM14+340 20 KM14+340 20 KM14+370 10 KM14+380 10 KM14+400 20 KM14+400 20 KM14+440 20 KM14+460 20 KM14+460 10	20.00	1.200	6.136		74.42				718.50	748.89
KM14+260 13 KM14+280 20 KM14+300 20 KM14+320 20 KM14+340 20 KM14+360 20 KM14+370 10 KM14+380 10 KM14+400 20	20.00	1.370	5.831	4.461	82.73					734.45
KM14+280 20 KM14+300 20 KM14+320 20 KM14+340 20 KM14+360 20 KM14+370 10 KM14+380 10 KM14+400 20 KM14+420 20 KM14+440 20 KM14+440 20 KM14+440 20 KM14+440 10	7.00	1.490	5.715	4.225	86.86	31.65			221.55	244.86
\text{KM14+300} 20 \text{KM14+320} 20 \text{KM14+340} 20 \text{KM14+360} 20 \text{KM14+370} 10 \text{KM14+380} 10 \text{KM14+440} 20 \text{KM14+440} 10 \text{KM14+470} 10	20.00	1.210 1.230	5.527 5.222	4.317	85.25	1				450.16
\text{KM14+320} 20 \text{KM14+340} 20 \text{KM14+360} 20 \text{KM14+370} 10 \text{KM14+380} 10 \text{KM14+440} 20 \text{KM14+440} 20 \text{KM14+440} 20 \text{KM14+440} 20 \text{KM14+440} 10 \text{KM14+440} 10 \text{KM14+470} 10	20.00	0.910	4.918	3,992 4,008	90.53 90.66	22.10	33.26			681.15
KM14+340 20 KM14+360 20 KM14+370 10 KM14+380 10 KM14+400 20 KM14+420 20 KM14+440 20 KM14+440 10	20.00	1.160	4.613		72.31					
KM14+360     20       KM14+370     10       KM14+380     10       KM14+400     20       KM14+420     20       KM14+440     20       KM14+460     20       KM14+470     10	20.00	1.150	4.309	3,455	62.37	22.10 22.10	30.67 29.26		537.50	640.14
KM14+370 10 KM14+380 10 KM14+400 20 KM14+420 20 KM14+440 20 KM14+460 20 KM14+470 10	20.00	1.210	4,004		50.51	0.00			442.00	599,38
KM14+380 10 KM14+400 20 KM14+420 20 KM14+440 20 KM14+460 20 KM14+470 10	10.00	1.410	3.852		39.42		0.00		221.00	
KM14+400 20 KM14+420 20 KM14+440 20 KM14+460 20 KM14+470 10	10.00	1.310	3.700		37.79		0.00	,	0.00 0.00	0.00
KM14+420 20 KM14+440 20 KM14+460 20 KM14+470 10	20.00	0.400	3.395	1	56.84	0.00				0.00
KM14+440 20 KM14+460 20 KM14+470 10	20.00	0.900	3.115			0.00	0.00		0.00	0.00
KM14+46d 20 KM14+470 10	20.00	0.360	2.917		43.05					0.00
i '	20.00	0.580	2.805							0.00
KM14+48¢ 10	10.00	1.370	2.781							0.00
	10.00	1.380					i e			
	•		•	•	•	•				, ,,,,,
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		Ground	Design	Embankment	Area of	Area of	Area of	Quantity of	Quantity of	Quantity of
Chainage			level	height		surcharge		1	surcharge	
				3			surcharge			surcharge
	(m)			(m)	(m²)	(m²)	(m²)	(m³)	(m³)	(m³)
KM14+500	20.00	1.360	2.771	1.411	15.90	0.00	0.00	315.54	0.00	0.00
KM14+520	20.00	1.160	2.766	1.606	19.08	0.00	0.00	349.77	0.00	0.00
KM14+540	20.00	0.800	2.761	1.961	24.86	0.00	0.00	439,42	0.00	0.00
KM14+560	20.00	0.860	2.755	1.895	23.79	0.00	0.00	486,53	0.00	0.00
KM14+580	20.00	0.780	2.750	1.970	25.01	0.00	0.00	488.00	0.00	0.00
KM14+600	20.00	0.600	2.745	2.145	30.07	0.00	0.00	550,79	0.00	0.00
KM14+620	20.00	0.690	2.740	2.050	27.08	0.00	0.00	571,43	0.00	0.00
KM14+640	20.00	-0.120		2.855	52.43	0.00	0.00	795.08	0.00	0.00
KM14+660		-0.190	2.730	2.920	54.48	0.00	0.00	1069,13	0.00	0.00
KM14+680		0.620	2.725	2.105	28.81	0.00	0.00	832.88	0.00	0.00
KM14+693	13.00	0.820	2.722	1.902	23.90	0.00	0.00	342.62	0.00	0.00
KM14+700		0.970	2.720	1.750	21.43	0.00	0.00	158.65	0.00	0.00
KM14+720	20.00	1.600	2.715	1.115	11.07	0.00	0.00	325.00	0.00	0.00
KM14+740		1.270	2.710	1.440	16.37	0.00	0.00	274.47	0.00	0.00
KM14+760	20.00	0.860	2.704	1.844	22.96	0.00	0.00	393,29	0.00	0.00
KM14+780	20.00	0.980	2.699	1.719	20.92	0.00	0.00	438.77	0.00	0.00
KM14+800	20.00	0.460	2.694	2.234	32.87	0.00	0.00	537.91	0.00	0.00
KM14+820	20.00	1.170	2.689	1.519	17.66	0.00	0.00	505,31	0.00	0.00
KM14+840	20.00	1.220	2.684	1.464	16.76	0.00	0.00	344.23	0.00	0.00
KM14+860	20.00	1.260	2.679	1.419	16.03	0.00	0.00	327.93	0.00	
KM14+880	20.00	1.580	2.674	1.094	10.73	0.00	0.00	267.62	0.00	•
KM14+900	20.00	1.310	2.669	1.359	15.05	0.00	0.00	257.84	0.00	0.00
KM14+920	20.00	1.260	2.664	1.404	15.79	0.00	0.00	308.37	0.00	
KM14+940	20.00	1.410	2.659	1.249	13.26	0.00	0.00	290.44	0.00	0.00
KM14+960	20.00	1.370	2.654	1.284	13.83	0.00	0.00	270.88	0.00	0.00
KM14+980		1.260	2.648	1.388	15.52	0.00	0.00	293.54	0.00	0.00
KM15+000	20.00	1.110	2.643	1.533	17.89	0.00	0.00	334.12	0.00	0.00
KM15+020	20.00	1.460	2.638	1.178	12.10	0.00	0.00	299.89	0.00	0.00
KM15+040	20.00	2,360	2.633	0.273	2.51	0.00	0.00	146.13	0.00	0.00
KM15+060		2.440	2.628	0.188	1.73	0.00	0.00	42.41	0.00	0.00
KM15+080		2.080	2.623	0,543	5.00	0.00	0.00	67.25	0.00	0.00
KM15+100		1.940	2.618	0.678	6.24	0.00	0.00	112.33	0.00	0.00
KM15+120					7.39	0.00	0.00	136.25	0.00	0.00
KM15+140		1.990		0.618		0.00	0.00	130.73	0.00	0.00
KM15+160	, ,	1.950		0.653	}	0.00	0.00	116.93	00.0	0.00
KM15+170		1.940	1	0.660	6.07	0.00	0.00	60.40	0.00	0.00
KM15+180		1.950		0.624	5.74	0.00	0.00	59.06	0.00	0.00
KM15+200	1	1.950	2.522	0.572	5.26	0.00	0.00	110.03	0.00	0.00
KM15+220		2.010		0.459		0.00	0.00	94.85	0.00	0.00
KM15+240		1.980		0.437		0.00	0.00	82.43	0.00	0.00
KM15+260	i i	2.040		0.325	ł	0.00	0.00	70.10	0.00	0.00
KM15+280		2.090			•	0.00		50.42	0.00	0.00
KM15+300		2.100		0.161	1.48	0.00	0.00	35.33	0.00	0.00
KM15+320		2.100		0.108		0.00	0.00	24.75	0.00	0.00
KM15+340		2.156		0.000	0.00		0.00	9.94	0.00	0.00
KM15+350		2.130	2.130	0.000	0.00	0.00	0.00	0.00	0.00	0.00
OTAL (VIII				·	·	·		42408	9691	9846
TOTAL (	+  +   + V	+V+V!+\	vII+VIII)					400443	102953	104254

#### QUANTITY OF FINAL SETTLEMENT, SURCHARGE AND REMOVING SURCHARGE PACKAGE 3 - CAN THO SIDE INTERCHANGE 3 - RAMP A

		Ground	Design	Embankment	Area of	Area of	Area of	Quantity of	Quantity of	Quantity of
Chainage	Distance	level	level	height	settlement	surcharge	removing	1	surcharge	removing
			) 			_	surcharge	i	3.	surcharge
	(m)			(m)	(m²)	(m²)	(m²)	(m <sup>3</sup> )	(m³)	(m³)
KM0+000.0		1.090	4.700	3.610	67.98	22.10	9.01			
KM0+020.0	20.00	1.150	4.700	3.550	66.08	22.10	8.95	1340.56	442.00	179.60
KM0+040.0	20.00	0.530	4.700	4.170	79.55	31.65	9.62	1456.32	537.50	185,71
KM0+060.0	20.00	0.370	4.700	4.330	78.85	31.65	9.83	1584.00	633.00	194.50
KM0+080.0	20.00	1.330	4.632	3.302	58.24	22.10	8.70	1370.91	537.50	185,31
KM0+100.0	20.00	0.920	4.427	3.507	64.72	22.10	8.91	1229.64	442.00	176.09
KM0+120.0	20.00	1.150	4.085	2.935	46.87	0.00	0.00	1115.88	i I	89.07
KM0+140.0	20.00	0.490	3.606	3.116	52.37	22.10	8.52	992.33	221.00	85.16
KM0+160.0	20.00	0.310	3.086	2.776	42.38	0.00	0.00	947.49	221.00	85.16
KM0+180.0	20.00	0.820	2.748	1.928	19.53	0.00	0.00	619.11	0.00	0.00
KM0+200.0	20.00	0.540	2.620	2.080	22.76	0.00	0.00	422.84	0.00	0.00
KM0+220.0	20.00	0.710	2.700	1.990	20.37	0.00	0.00		0.00	0.00
KM0+240.0	20.00	0.530	2.990	2,460	33.47	0.00	0.00	538.37	0.00	0.00
KM0+260.0	20.00	1.210	3.522	2.312	29.30	0.00	0.00	627.70	0.00	0.00
KM0+280.0	20.00	-0.450	3.963	4.413	78.48	31.65	9.94	1077.81	316.50	99.37
KM0+300.0	20.00	1,460	4.462	3.002	48.76	22,10	8.40	1272.46	537.50	183.39
KM0+320.0	20.00	0.650	4.961	4.311	78.93	31.65	9.80	1276.95	1 3	182.06
KM0+342.0	22.04	0.530	5.511	4.981	75.98	31.65	10.68	1707.17	697.57	225.69
TOTAL	<u>.                                    </u>	L			·			18011	5344	1871

# QUANTITY OF FINAL SETTLEMENT, SURCHARGE AND REMOVING SURCHARGE PACKAGE 3 - CAN THO SIDE INTERCHANGE 3 - RAMP B

		Ground	Design	Embankment	Area of	Area of	Area of	Quantity of	Quantity of	Quantity of
Chainage	Distance	level	level	height		surcharge		settlement	•	removing
							surcharge			surcharge
	(m)			(m)	(m²)	(m²)	(m²)	(m³)	(m <sub>3</sub> )	(m³)
										· · · · · · · · · · · · · · · · · · ·
KM0+000.0		1.290	3.264	1.974	17.69	0.00	0.00			
KM0+054.3	54.28	0.740	2.859	2.119	21.18	0.00	0.00	1054.80	0.00	0.00
KM0+060.0	5.72	1.230	2.807	1.577	12.92	0.00	0.00	97.53	0.00	0.00
KM0+070.0	10.00	1.970	2.683	0.713	4.28	0.00	0.00	86.01	0.00	0.00
KM0+080.0	10.00	1.390	2.669	1.279	9.35	0.00	0.00	68.13	0.00	0.00
KM0+100.0	20.00	1.580	2.623	1.043	6.52	0.00	0.00	158.64	0.00	0.00
KM0+120.0	20.00	0.980	2.623	1.643	13.72	0.00	0.00	202.32	0.00	0.00
KM0+140.0	20.00	0.970	2.623	1.653	13.84	0.00	0.00	275.52	0.00	0.00
KM0+160.0	20.00	0.800	2.623	1.823	15.88	0.00	0.00	297.12	0.00	0.00
KM0+180.0	20.00	0.880	2.623	1.743	14.92	0.00	0.00	307.92	0.00	0.00
KM0+200.0	20.00	1.110	2.623	1.513	12.16	0.00	0.00	270.72	0.00	0.00
KM0+220.0	20.00	1.250	2.623	1.373	10.48	0.00	0.00	226.32	0.00	0.00
KM0+240.0	20.00	1.040	2.623	1.583	13.00	0.00	0.00	234.72	0.00	0.00
KM0+260.0	20.00	1.540	2.655	1.115	7.38	0.00	0.00	203.76	0.00	0.00
KM0+280.0	20.00	1.190	2.753	1.563	12.76	0.00	0.00	201.36	0.00	0.00
KM0+300.0	20.00	1.380	2.915	1.535	12.42	0.00	0.00	251.76	0.00	0.00
KM0+320.0	20.00	0.860	3.142	2.282	25.53	0.00	0.00	379.49	0.00	0.00
KM0+340.0	20.00	1.070	3.402	2.332	26.86	0.00	0.00	523.94	0.00	0.00
KM0+360.0	20.00	1.340	3.661	2.321	26.57	0.00	0.00	534.35	0.00	0.00
KM0+380.0	20.00	0.980	3.921	2.941	43.12	0.00	0.00	696.95	0.00	0.00
KM0+390.0	10.00	1.320	4.107	2.787	39.01	0.00	0.00	410,69	0.00	0.00
KM0+400.0	10.00	0.980	4.181	3.201	50.85	22.10	5.52	449.32	110.50	27.60
KM0+420.0	20.00	1.330	4.408	3.078	47.09	22.10	5.45	979.37	442.00	109.67
KM0+430.0	10.00	1.330	4.418	3.088	47.39	22.10	5.45	472.40	221.00	54.50
KM0+440.0	10.00	1.260	4.570	3.310	54.19	22.10	5.59	507.89	221.00	55.19
KM0+460.0	20.00	1.050	4.668	3.618	63.61	22.10	5.77	1177.97	442.00	113.57
KM0+480.0	20.00	1.240	4.700	3.460	58.78	22.10	5.68	1223.87	442.00	114.47
KM0+490.0	10.00	0.870	4.700	3.830	70.10	22.10	5.90	644.37	221.00	57.87
KM0+500.0	10.00	0.940	4.700	3.760	67.96	22.10	5.86	690.27	221.00	58. <b>7</b> 7
KM0+510.0	10.00	1.290	4.700	3.410	57.25	22.10	5.65	626.01	221.00	57.51
KM0+520.0	10.00	1.330	4.700	3.370	56.02	22.10	5.62	566.34	221.00	56.34
KM0+540.3	20.26	1.280	4.700	3.420	57.55	22.10	5.65	1150.56	447.77	114.21
										·
TOTAL								14970	3210	820

# QUANTITY OF FINAL SETTLEMENT, SURCHARGE AND REMOVING SURCHARGE PACKAGE 3 - CAN THO SIDE INTERCHANGE 3 - RAMP C

		Ground	Design	Embankment	Area of	Area of	Area of	Quantity of	Quantity of	Quantity of
Chainage	Distance		level	height	settlement	surcharge	L	1 -	surcharge	
							surcharge	L		surcharge
·	(m)			(m)	(m²)	(m²)	(m²)	(m³)	(m³)	(m³)
		j								
KM0+066.1		0.890	2.849	1.959	19.95	0.00	0.00			
KM0+070.0	3.93	0.870	2.849	1.979	20.22	0.00	0.00	78.86	0.00	0.00
KM0+080.0	10.00	0.880	2.730	1.850	18,48	0.00	0.00	193.46	0.00	0.00
KM0+090.0	10.00	0.880	2.684	1.804	17.85	0.00	.0.00	181.65	0.00	0.00
KM0+100.0	10.00	0.890	2.688	1.798	17.77	0.00	0.00	178.14	0.00	0.00
KM0+120.0	20.00	0.880	2.794	1.914	19.34	0.00	0.00	371.12	0.00	0.00
KM0+140.0	20.00	0.810	2.906	2.096	23.21	0.00	0.00	425.46	0.00	0.00
KM0+160.0	20.00	1.330	3.017	1.687	16.27	0.00	0.00	394.82	0.00	1 .
KM0+180.0	20.00	1.290	3.129	1.839	18.33	0.00	0.00		0.00	
KM0+200.0	20.00	1.330	3.241	1,911	19.30	0.00	0.00	1	1	1
KM0+220.0	20.00	0.680	3.353	2.673	39.48	0.00	0.00	587.77	0.00	t .
KM0+240.0	20.00	0.350	3.465	3.115	52.33	22.10	8.52	918.13		[
KM0+260.0	20.00	1.030	3.576	2.546	35.90	0.00		J :	221.00	
KM0+280.0	20.00	1.380	3.688	2.308	29.19	ŧ	0.00		Į i	
кмо+300.0	20.00	-0.580	3.726	4.306	78.95	1	i			1
KM0+320.0	20.00	0.730	3.617	2.887	45.51	0.00		1	316.50	\$
KM0+340.0	20.00	0.860	3.434	2.574	ſ	,	1		0.00	l i
KM0+350.0		0.570	3.339	2.769	42.19		ŧ			1
KM0+360.0	10.00	1.150	3.251	2.101	23.35		į.	]	0.00	
KM0+380.0	20.00	0.770	3.068	2.298	28.90	ł ·	1	1		
KM0+400.0		0.530	2.885	2.355		1	0.00	1 .		ł.
KM0+408.3	8.28	0.680	2.700	2.020	21.06	1	0.00	3		. ·
	0.20	0.000	2.700	2.020	21.00	0.00	0.00	213.44	0.00	0.00
TOTAL						l	<del> </del>	10785	1075	366

### QUANTITY OF FINAL SETTLEMENT, SURCHARGE AND REMOVING SURCHARGE PACKAGE 3 - CAN THO SIDE INTERCHANGE 3 - RAMP D

		Ground	Design	Embankment	Area of	Area of	Area of	Quantity of	Quantity of	Quantity of
Chainage	Distance	level	levei	height	settlement	surcharge	removing	settlement	surcharge	removing
							surcharge		_	surcharge
	(m)			(m)	(m²)	(m²)	(m²)	(m³)	(m³)	(m <sup>3</sup> )
		j								
KM0+000.0		1.110	3.900	2.790	)		l	]		ļ
KM0+020.0	20.00	0.350	3.900	3.550	61.53	22.10	}	1	221.00	1
KM0+040.0	20.00	0.850	3.900	3.050	46.23	22.10	5.43	i	442.00	111.60
KM0+060.0	20.00	0.720	3.877	3.157	49.50	,	5.49	957,34	442.00	109.24
KM0+080.0	20.00	1.040	3.773	2.733	37.57	0.00	0.00	870.75	221.00	54.94
KM0+100.0	20.00	1.210	3.585	2.375	28.01	0.00	0.00	655.84	0.00	0.00
KM0+120.0	20.00	1.270	3.317	2.047	19.25	0.00	0.00	472.67	0.00	0.00
KM0+140.0	20.00	1.230	3.026	1.796	15.55	0.00	0.00	348.07	0.00	0.00
KM0+160.0	20.00	1.270	2.735	1.465	11.58	0.00	0.00	271.32	0.00	0.00
KM0+180.0	20.00	1.270	2.692	1.422	11.06	0.00	0.00	226,44	0.00	0.00
KM0+185.0	5.00	1.250	2.735	1.485	11.82	0.00	0.00	57.21	0.00	0.00
KM0+190.0	5.00	1.210	2.857	1.647	13.76	0.00	0.00	63.96	0.00	0.00
KM0+200.0	10.00	0.630	3.146	2.516	31.78	0.00	0.00	227,71	0.00	0.00
KM0+220.0	20.00	1.330	4.098	2.768	38.51	0.00	0.00	702.83	0.00	0.00
KM0+240.0	20.00	1.560	5.298	3.738	67.28	22.10	5.84	1057.88	221.00	58.43
KM0+252.4	12.40	1.450	6.000	4.550	74.48	31.65	6.28	878.90	333.25	75.13
RAMP "D" B	RIDGE	·			•			•		•
KM0+345.6	l i	1.370	6.000	4.630	74.36	31.65	6.32	]		<b>.</b>
KM0+360.0	14.40	1.340	5.231	3.891	71.96	22.10	5.93	1053.50	387.00	88.20
KM0+370.0	10.00	0.640	4.876	4,236	74.95	31.65	6.12	734.55	268.75	
KM0+380.0	10.00	1.090	4.784	3.694	65.94	22.10	5.82	704.41	268.75	
KM0+400.0	20.00	0,860	5.090	4.230	B	31.65	6.12		537.50	
KM0+409.4	9.38	1.420	5.274	3.854	70.83	22.10	5.91	683.74	252.09	56.41
TOTAL	_							13460	3594	850

## QUANTITY OF FINAL SETTLEMENT, SURCHARGE AND REMOVING SURCHARGE PACKAGE 3 - CAN THO SIDE INTERCHANGE 3 - RAMP E

Chainage			Design level	Embankment height (m)		Area of surcharge (m²)	l	settlement		Quantity of removing surcharge (m³)
KM0+043.4		0.460			23.21	0.00	0.00			
KM0+050.0	6.58	0.520	2.700	2.180	22.81	0.00	0.00	151.38	0.00	0.00
KM0+060.0	10,00	0.530	2.704	2.174	22.65	0.00	0.00	227.26	0.00	0.00
KM0+080.0	20.00	0.550	2.702	2.152	22.06	0.00	0.00	447.04	0.00	0.00
KM0+090.0	10.00	0.660	2.698	2.038	19.01	0.00	0.00	205.37	0.00	0.00
KM0+100.0	10.00	0.590	2.681	2.091	20.43	0.00	0.00	197.22	0.00	0.00
KM0+120.0	20.00	0.470	2.660	2.190	23.07	0.00	0.00	435.03	0.00	0.00
KM0+140.0	20,00	0.480	2.639	2.159	22.25	0.00	0.00	453.18	0.00	0,00
KM0+160.0	20.00	0.710	2.619	1,909	16.91	0.00	0.00	391.53	0.00	0.00
KM0+177.0	17.00	0.780	2.600	1.820	15.84	0.00	0.00	278.36	0.00	0.00
TOTAL	<u> </u>	L	<u> </u>		<u> </u>	<u> </u>	<u> </u>	2786	0'	0

#### QUANTITY OF FINAL SETTLEMENT, SURCHARGE AND REMOVING SURCHARGE PACKAGE 3 - CAN THO SIDE INTERCHANGE 3 - RAMP F

		Ground	Design	Embankment	Area of	Area of	Area of	Quantity of	Quantity of	Quantity of
Chainage	Distance	levei	level	height	settlement	surcharge	removing	settlement	surcharge	removing
							surcharge			surcharge
	(m)			(m)	(m²)	(m²)	(m²)	(m³)	(m³)	(m³)
			i			<u> </u>				
KM0+000.0		0.670	2.600	1.930	19.56	0.00	0.00			1
KM0+020.0	20.00	0.830	2.600	1.770	17.40	0.00	0.00	369.50	0.00	0.00
KM0+040.0	20.00	0.680	2.600	1.920	19.42	0.00	0.00	368.15	0.00	0.00
KM0+060.0	20.00	0.650	2.614	1.964	20.01	0.00	0.00	394.34	0.00	0.00
KM0+080.0	20.00	0.840	2.722	1.882	18.91	0.00	0.00	389.21	0.00	0.00
KM0+100.0	20.00	0.990	2.939	1.949	19.81	0.00	0.00	387.19	0.00	0.00
KM0+120.0	20.00	0.920	3.250	2.330	29.81	0.00	0.00	496.18	0.00	0.00
KM0+140.0	20.00	0.600	3.534	2.934	46.84	0.00	0.00	766.45	0.00	0.00
KM0+160.0	20.00	-0.280	3.738	4.018	80.22	31.65	9.42	1270.60	316.50	94.23
KM0+180.0	20.00	-1.270	3.859	5.129	77.76	40.20	10.55	1579.78	718.50	199.69
KM0+200.0	20.00	0.310	3.900	3.590	67.34	22.10	8.99	1451.02	623.00	195.35
KM0+220.0	20.00	1.050	3.900	2.850	44.47	0.00	0.00	1118.14	221.00	89.90
KM0+240.0	20.00	1.030	3.900	2.870	45.03	0.00	0.00	895.04	0.00	0.00
KM0+257.0	17.00	1.190	3.900	2.710	40.52	0.00	0.00	727.23	0.00	0.00
TOTAL			L	<u></u>			<u> </u>	10213	1879	579

# QUANTITY OF FINAL SETTLEMENT, SURCHARGE AND REMOVING SURCHARGE PACKAGE 3 - CAN THO SIDE INTERCHANGE 3 - OVERROAD

		Ground	Design	Embankment	Area of	Area of	Area of	Quantity of	Quantity of	Quantity of
Chainage	Distance	level	level	height	settlement	surcharge		settlement		removing
						_	surcharge		•	surcharge
	(m).			(m)	(m²)	(m²)	(m²)	(m³)	(m³)	(m³)
KM0+000.0		1.050	3.900	2.850	70.37	0.00	0.00			
KM0+020.0	20.00	1.060	3.909	2.849	70.33	0.00	0.00	1407.02	0.00	0.00
KM0+040.0	20.00	1.090	3.918	2.828	69.53	0.00	0.00	1398.61	0.00	0.00
KM0+060.0	20.00	0.640	3.927	3.287	87.21	22.10	29.79	1567.37	221.00	297.92
KM0+080.0	20.00	0.890	3.937	3.047	77.92	22.10	28.71	1651.26	442.00	585.03
KM0+100.0	20.00	0.880	3.946	3.066	78.65	22.10	28.80	1565.73	1	575.09
KM0+120.0	20.00	0.760	3.996	3.236	85.23	22.10	29.56	1638.87	442.00	583.59
KM0+140.0	20.00	0.580	4.335	3.755	105.32	22.10	31.90	1905.52	442.00	614,60
KM0+160.0	20.00	0.370	5.005	4.635	116.45	31.65	36.81	2217.70		687.08
KM0+180.0	20.00	1.170	5.964	4.794	116.86	31.65	37.76	2333.15	633.00	745.74
KM0+200.0	20.00	1.210	6.920	5.710	130.68	40.20	35.10	2475.41	718.50	728.59
KM0+220.0	20.00	1.280	7.721	6.441	146.51	40.20	31.30	2771.85		663.90
KM0+240.0	20.00	1.310	8.361	7.051	160.69	40.20	28.23	3071.97	804.00	595.25
KM0+260.0	19.97	0.990	8.842	7.852	176.23	40.20	23.98	3364.13		521.36
FLYOVER B	RIDGE					0.00	•		0.00	
KM0+360.1		1.290	8.843	7.553	170.43	40.20	25.57		0.00	
KM0+380.0	19.93	1.150	8.363	7.213	163.83	40.20	27.37	3330,90	801.19	527.55
KM0+400.0	20.00	1.140	7.723	6.583	149.86	40.20	30.59	3136.91	804.00	579.56
KM0+420.0	20.00	1.140	6.922	5.782	132.02	40.20	34.70	2818.82	804.00	652.84
KM0+440.0	20.00	1.120	5.975	4.855	117.02	31.65	38.13	2490,46	718.50	728.29
KM0+460.0	20.00	0.940	5.220	4.280	115.53	31.65	34.68	2325,51	633.00	728.10
KM0+465.0	5.00	0.920	5.075	4.155	115.20	31.65	33.93	576.83	158.25	171.53
KM0+480.0	15.00	0.910	4.798	3.888	110.47	22.10	32.50	1692.51	403.13	498.20
KM0+500.0	20.00	1.150	4.700	3.550	97.39	22.10	30.98	2078.51	442.00	634.71
KM0+520.0	20.00	1.040	4.700	3.660	101.64	22.10	31.47	1990.27	442.00	624.45
KM0+540.0	20.00	1.270	4.700	3.430	92.74	22.10	30.44	1943.83	442.00	619.05
KM0+560.0	20.00	0.810	4.700	3.890	110.54	22.10	32.51	2032.84	442.00	629.40
KM0+580.0	20.00	0.870	4.700	3.830	108.22	22,10	32.24	2187.64	442.00	647.40
KM0+588.0	8.00	1.000	4.700	3.700	103.19	22.10	31.65	845.64	176.80	255.54
				<u></u>						· 
TOTAL	<u></u>							54819	12998	13895

### QUANTITY OF FINAL SETTLEMENT, SURCHARGE AND REMOVING SURCHARGE PACKAGE 3 - CAN THO SIDE INTERSECTION NH No.1 - RAMP A

Chainage	Distance		Design level	Embankment height	settlement		removing surcharge	settlement	surcharge	Quantity of removing surcharge
V	(m)	·		(m)	(m²)	(m²)	(m²)	(m <sup>3</sup> )	(m <sup>3</sup> )	(m³)
KM0+000.0	,	-0.430	2.689	3.119	56.39	22.10	22.93			
KM0+020.0	20.00	1.120	2.582	1.462	14.79	0.00	0.00	711.83	221.00	229.28
KM0+040.0	20.00	1.070	2.477	1.407	13.98	0.00	0.00	287.74	0.00	0.00
KM0+060,0	20.00	0.230	2.368	2.138	26.81	0.00	0.00	407.95	0.00	0.00
KM0+070.0	10.00	0.870	2.335	1.465	14.84	0.00	0.00	208.24	0.00	0.00
KM0+080.0	10.00	1.250	2.261	1.011	8.16	0.00	0.00	114.99	0.00	0.00
KM0+100.0	20.00	1.670	2.154	0.484	3.87	0.00	0.00	120.34	0.00	0.00
KM0+110.0	10.00	1.800	2.076	0.276	2.21	0.00	0.00	30.40	0.00	0.00
KM0+120.0	10.00	1.820	2.047	0.227	1.82	0.00	0.00	20.12	0.00	0.00
KM0+141.3	21.31	1.890	1.933	0.043	0.34	0.00	0.00	23.01	0.00	0.00
TOTAL		L	L			<u> </u>	l	1925	221	229

# QUANTITY OF FINAL SETTLEMENT, SURCHARGE AND REMOVING SURCHARGE PACKAGE 3 - CAN THO SIDE INTERSECTION NH No.1 - RAMP B

		Ground	Design	Embankment	Area of	Area of	Area of	Quantity of	Quantity of	Quantity of
Chainage	Distance	level	level	height	settlement	surcharge	removing	settlement	surcharge	removing
						·	surcharge			surcharge
	(m)			(m)	(m²)	(m²)	(m²)	(m³)	(m³)	(m³)
KM0+000.0		1.880	1.880	0.000	0.00	0.00	0.00			
KM0+020.0	20.00	1.890	1.910	0.020	0.11	0.00	0.00	1.08	0.00	0.00
KM0+040.0	20.00	1.890	1.940	0.050	0.27	0.00	0.00	3.78	0.00	0.00
KM0+050.0	10.00	1.830	1.951	0.121	0.65	0.00	0.00	4.62	0.00	0.00
KM0+060.0	10.00	1.860	1.970	0.110	0.59	0.00	0.00	6.24	0.00	0.00
KM0+080.0	1	1.900	2.000	0.100	0.54	0.00	0.00	11.34	0.00	0.00
KM0+100.0	20.00	1.870	2.030	0.160	0.86	0.00	0.00	14.04	0.00	0.00
KM0+120.0	20.00	1.830	2.060	0.230	1.24	0.00	0.00	21.06	0.00	0.00
KM0+140.0	20.00	1.890	2.131	0.241	1.30	0.00	0.00	: 25.43	0.00	0.00
KM0+150.0	10.00	1.950	2.296	0.346	1.87	0.00	0.00	15.85	0.00	0.00
KM0+160.0	10.00	1.930	2.341	0.411	2.22	0.00	0.00	20.44	0.00	0.00
KM0+180.0	20.00	1.790	2.591	0.801	4.33	0.00	0.00	65.45	0.00	
KM0+200.0	20.00	1.770	2.738	0.968	5.23	0.00	0.00	95.53	0.00	
KM0+220.0	20.00	1.070	2.675	1.605	11.99	0.00	0.00	172.22	0.00	1
KM0+240.0	20.00	1.000	2.508	1.508	10.94	0.00	0.00	229.32	0.00	0.00
KM0+250.0	10.00	0.840	2.399	1.559	11.49	0.00	0.00	112.15	0.00	
KM0+260.0	10.00	0.890	2.342	1.452	10.33	0.00	0.00	109.10	0.00	0.00
KM0+280.0	20.00	1.250	2.217	0.967	5.22	0.00	0.00	155.49	0.00	0.00
KM0+300.0	20.00	1.320	2.232	0.912	4.92	0.00	0.00	101.47	0.00	0.00
KM0+320.0	20.00	1.660	2.289	0.629	3.40	0.00	0.00	83.21	0.00	
KM0+326.7	6,69	1.800	2.308	0.508	2.74	0.00	0.00	20.54	0.00	0.00
TOTAL	<u>                                      </u>				·			1268	0	

# QUANTITY OF INSTRUMENTATION PACKAGE 3 - CAN THO SIDE

I, MAZÍN MINTY         Ceach I, Glay I, Geach I, Glay I, Geach I, Glay I, Geach I, Glay I, Geach II, Geach II, Geach II, Geach I, Geach II, Geach II	Š	CHAINAGE	Day/section	S	dSS		AS	dSd	٥		INC	Ш	EP	°	Mo
17. MAIN WAYN         17. MAIN				(each)	(day)	(each)	(day)	(each)	(day)	(each)	(day)	(each)	(day)	(each)	(day)
VIANTA WANT															
WATA BRIDGE (CAN TIFO) - CAT TAC I         696         B         1556         B         1566         B         1566         B         464         C         C         464         C <td></td> <td>I/ MAIN WAY</td> <td></td>		I/ MAIN WAY													
Monty-teory         222         2         464         1         464         2         464         1         464         464         1         464         1         464		(CAN THO) - CAI	1												
MOTATADA         1800         3 560         1800         3 560         1800	-	KM7+660	232	m	969		1856	<b>-4</b>	232	2	464	7	464		1
MY77-780         18	2	KM7+720	180	m	540		1		. :				•		1
NOTY-BOOD         232         596         8         1856         9         1856         9         1856         9         1856         9         1856         9         1856         9         1856         9         9         1856         9         1856         9         1856         9 <td>m</td> <td>KM7+780</td> <td>180</td> <td>1</td> <td>180</td> <td></td> <td></td> <td></td> <td>,</td> <td></td> <td>1</td> <td></td> <td>1</td> <td></td> <td>,</td>	m	KM7+780	180	1	180				,		1		1		,
WRY7+900         180         1         1	4	KM7+820	232	e,	969		1856		1		1		ı		1
With PSSQ         1856         8         1856         9	2	KM7+900	180	-	180	;		,			1		1	4-4	180
(M89+020)         180         1         1 <th< td=""><td>9</td><td>-KM7+950</td><td>232</td><td>3</td><td>969</td><td></td><td>1856</td><td>,</td><td>,</td><td>; ; ; ;</td><td>; ;</td><td></td><td>,</td><td></td><td>ı</td></th<>	9	-KM7+950	232	3	969		1856	,	,	; ; ; ;	; ;		,		ı
KN88+080         180         3         540         - <t< td=""><td>7</td><td>KM8+020</td><td>180</td><td>-</td><td>180</td><td></td><td>,</td><td>,</td><td>,</td><td></td><td></td><td></td><td>•</td><td></td><td>ı</td></t<>	7	KM8+020	180	-	180		,	,	,				•		ı
KN891-140         180         1         180         1         180         1         180         1         180         1	œ	KM8+080	180	m	540			1					1		-
KNM9+200         180         3         540         - <t< td=""><td>6</td><td>KM8+140</td><td>180</td><td></td><td>180</td><td></td><td></td><td>,</td><td>,</td><td></td><td></td><td></td><td>,</td><td></td><td>'</td></t<>	6	KM8+140	180		180			,	,				,		'
KM91-260         IBO         1         180         1         180         1         180         1         180         1         180         1	5	KM8+200	180	m	540		,		1		1		•		١
KNMH-320         ISM         3         540         8         1440         -	Ħ	KM8+260	180		180						ı		,		1
KMBH-380         180         1         180         1         180         1         180         1         180         1	77	KM8+320	180	m	540		1440				1		1		,
KMBH-456.85         232         36         6024         406         8864         1         232         2         464         2         464         1           SUB-107AI.         2.CAXTACT - CAXTACT         30         6024         40         8864         1         232         2         464         2         464         1           2.CAXTACT - CAXTACT - CAXTACT         232         3         696         8         1856         3         464         2         464         1           KMB+720         180         3         696         8         1856         3         464         2         464         1           KMB+720         180         3         696         8         1856         3         464         2         464         1           KMB+870         180         1         180         6         8         1856         6	13	KM8+380	180		180		•		,		1		1		,
SUB-TOTAL         SUB-TOTAL         30         6024         40         8864         1         232         2         464         2         464         1           2/CALTINC LOLITAC 2         23         3         696         8         1886         1         232         2         464         2         464         1           KMB+64275         23         3         590         8         1866         8         1869         8         464         2         464         7         6 <td>14</td> <td>KM8+456.85</td> <td>232</td> <td>3</td> <td>969</td> <td>8</td> <td>1856</td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td>,</td> <td></td> <td>-</td>	14	KM8+456.85	232	3	969	8	1856				_		,		-
2. CALTACT - CALTAC 2         2.32         3         6.96         8         1856         180         6         6         6         6         180         6         6         6         6         180         6         6         6         6         180         6         180         6         6         180         6         6         180         6         6         180         6         6         180         6         6         180         6         6         180         6         6         180         6         6         180         6		SUB-TOTAL		30	6024	40	8864	1	232	2	464	7	464	7	180
2/ CALTAC 1 - CALTAC 2         2/ CALTAC 1 - CALTAC 2         3         696         8         1856         1         232         2         464		;													
KM8H-642.75         232         3         696         8         1856         1         232         2         464         1         1         1         1         1         1         1         1         1         1         1         1         1         1 <th>-</th> <th></th> <th>1</th> <th></th> <th></th> <th></th> <th>1</th> <th></th> <th></th> <th></th> <th></th> <th>,</th> <th></th> <th>-</th> <th>,</th>	-		1				1					,		-	,
KMM8+720         180         3         540         8         1440         -	15		232	m	969	œ	1856	w	232	2	464	2	464		
KMR4-780         I80         180         180         180         696         8         1856         6         6         180         6         180         6         180         6         180         6         180         6         180         6         180         6         180         6         180         6         180         6         180         6         180         6         180         6         180         720         6         6         180         720         6         720         <	16	KM8+720	180	m	540	ω	1440		,		1		,		ı
KM98-820         232         3         696         8         1856         6         6         180         6         6         180         6         180         6         180         6         180         6         180         6         1080         6         1080         6         1080         6         1080         7         6         1080         7         7         7         7         7         7         7         8	17	KM8+780	180	-1	180		•		,		,		•		١
KM8+900         180         1 180         1 180         -	18	KM8+820	232	m	969	∞	1856		,		,				,
KM8+940         180         6         1080         -         -         -         1         1           KM9+000         180         4         720         -         -         -         1         1           KM9+120         KM9+130         180         3         540         -         -         -         -         -         -         1         1           KM9+130         KM9+240         180         1         180         -	13	KM8+900	180	Н	180		•		,		•				
KM9+000         180         4         720         -         -         -         -         1         1           KM9+060         180         4         720         -	20	KM8+940	180	9	1080				1		1				
KM9+060         180         6         1030         - <t< td=""><td>71</td><td>KM9+000</td><td>180</td><td>4</td><td>720</td><td></td><td>1</td><td></td><td>•</td><td></td><td>,</td><td></td><td></td><td>wo.d</td><td>180</td></t<>	71	KM9+000	180	4	720		1		•		,			wo.d	180
KM9+120         180         3         540         - <th< td=""><td>77</td><td>KM9+060</td><td>180</td><td>9</td><td>1080</td><td></td><td>•</td><td></td><td>,</td><td></td><td>1</td><td></td><td>١</td><td></td><td>,</td></th<>	77	KM9+060	180	9	1080		•		,		1		١		,
KM9+180         180         180         1856         1856         180         1856 <th< td=""><td>23</td><td>KM9+120</td><td>180</td><td>4</td><td>720</td><td></td><td>1</td><td></td><td>1</td><td></td><td>١</td><td></td><td></td><td></td><td>ı</td></th<>	23	KM9+120	180	4	720		1		1		١				ı
KM9+240         180         1 180         -         <	24	KM9+180	180	m	540		•		1		1		,		1
KM9+326         232         3         696         8         1856         -	25	KM9+240	180	-	180		•		1		•		1		1
KM9+360     180     1 180       KM9+431.45     232     3 696     8 1856     -     -     -       SUB-TOTAL     42 8184     40 8864     1 232     2 464     2 464     1 1 1 232	26	KM9+326	232	М	969	æ	1856		1		ŝ		1		•
KM9+431.45     232     3     696     8     1856     -     -     -       SUB-TOTAL     42     8184     40     8864     1     232     2     464     2     464     1     1	27		180	1	180		,		,		•				•
SUB-TOTAL 42 8184 40 8864 1 232 2 464 2 464 1 1	28	KM9+431.45	232	m	969	ထ	1856		•		,		1		1
		SUB-TOTAL		42	8184	40	8864	41	232	2	464	2	464	***	180

9. CALTACE 1-CALTON         (each)         (day)         (each)	Š	CHAINAGE	Day/section	Š	SSP		AS	۵	DSP	INC	<u>2</u>	ш	EP	MO	3
3// CALTAC 2 - CALD DA         19// CALTAC 2 - CALDA 2 -				(each)	(day)	(each)	(day)	(each)	(day)	(each)	(day)	(each)	(day)	(each)	(day)
AJ CALDA         232         99         8         1856         1         232         2           RO99-4683 SS         CALDA         180         180         180         1         232         2           RO99-4683 SS         RO99-4683 SS         180         180         180         180         1         2         3 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>															
KN94-868.5S         L90         8         1856         1         22         2         2           KN94-500         L180         1         150         -		$\sim$			1		4	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			,			
KM91-500         LIBO         1 150         1 1440         1           KM91-600         LIBO         1 160         1 1440         1           KM91-600         LIBO         1 160         1 160         1 160           KM91-700         LIBO         1 160         1 160         1 160           KM10-1200         LIBO         1 160         1 160         1 160      <	23	KM9+468.55	232	3	969	œ	1856	П	232	2	464	2	464		•
KNOSS-GOOD         180         3         540         8         1440         -	30	KM9+540	180		180		1		1		,		,		,
KM99-660         LBO         1         160         - <t< td=""><td>33</td><td>KM9+600</td><td>180</td><td>æ</td><td>540</td><td></td><td>1440</td><td></td><td>,</td><td></td><td>ż</td><td></td><td>,</td><td></td><td></td></t<>	33	KM9+600	180	æ	540		1440		,		ż		,		
KM99-700         ISBO         1         180         1	32	KM9+660	180	1	180		1		,		,		1		
KM99-760         232         3         696         8         1856         -           KM99-760         180         1         180         -         -         -           KM104-200         180         1         180         -         -         -         -           KM104-200         180         1         180         - <td>33</td> <td>KM9+720</td> <td>180</td> <td>-1</td> <td>180</td> <td></td> <td>•</td> <td></td> <td>1</td> <td></td> <td>•</td> <td></td> <td>,</td> <td></td> <td>-</td>	33	KM9+720	180	-1	180		•		1		•		,		-
KM9-780         232         180         - <th< td=""><td>34</td><td>  KM9+760</td><td>232</td><td>3</td><td>969</td><td></td><td>1856</td><td></td><td></td><td>   </td><td>,</td><td>; ; ;</td><td>,</td><td></td><td>,</td></th<>	34	KM9+760	232	3	969		1856			 	,	; ; ;	,		,
KM10+640         18	35	KM9+780	232	-		:	,					: : : : : :	,	1	232
KM10+900         180         3         540         . <t< td=""><td>33</td><td>KM9+840</td><td>180</td><td>-</td><td>180</td><td></td><td>1</td><td>; ; ; ; ; ; ;</td><td></td><td></td><td>,</td><td>; ; ; ;</td><td>,</td><td>; ; ; ;</td><td>1</td></t<>	33	KM9+840	180	-	180		1	; ; ; ; ; ; ;			,	; ; ; ;	,	; ; ; ;	1
KM10+960         180         1         180         1         180         1         180         1         180         1         180         1         180         1         180         1         180         1         180         1         180         1         180         1         <	38	KM9+900	180	m	540				,	;	; ; ; ; ; ;	;	; , ; , ; , ; , ; , ; , ; , ; , ; , ; ,	6 8 9 1 1 5 9 3	 
KMID-4000         180         180         180         -	37	KM9+960	180	1	180								,	;	
KM100-1000         KM100-1000         180         -	88	KM10+020	180	m	540	;		; ; ; ; ;	,		· · · · · · · · · · · · · · · · · · ·	; ; ; ;	,	1	! ! ! !
WMID-100         180         3 540	33	KM10+080	180	-	180	1 5 1 1 1	; ; ; ; ;	; ; ; ;	;				,	1	; ; ; ; ; ;
KM10+160         18	各	KM10+100	180	e	540						,		,		
KM10+220         180         3         540         6         7 <t< td=""><td>41</td><td>KM10+160</td><td>180</td><td>-</td><td>180</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>,</td><td></td><td>1</td></t<>	41	KM10+160	180	-	180								,		1
KM10+280         KM10+380         180         1         180         1         180         1         180         1         180         1         180         1         180         1	42	KM10+220	180	3	540								,		 
KM10+310         232         35         696         8         1856         1         232         2           SUB-TOTAL         35         694         40         8864         2         464         4         4           4/CAL DA - BA MANG         232         35         696         8         1856         -         464         4         4           4/CAL DA - BA MANG         232         3         696         8         1856         -         6         8         1856         -         -         6           KM10+580         XM10+580         180         1         180         - <t< td=""><td>£</td><td>KM10+280</td><td>180</td><td></td><td>180</td><td>;</td><td>;</td><td></td><td>,</td><td></td><td></td><td>,</td><td>,</td><td></td><td>; ; ; ; ; ; ;</td></t<>	£	KM10+280	180		180	;	;		,			,	,		; ; ; ; ; ; ;
KMI0+46.25         Sub-TOTAL         35         695         8         1856         1         232         2           SUB-TOTAL         35         6924         40         8864         2         464         4           4/CAL DA-BA MANG         232         3         696         8         1856         6         4         4           KM10+509.75         MM10+509.75         180         1         180         3         540         6         8         1856         6         8         1856         6         8         1856         8         1856         8         1856         8         1856         8         1856         8	4	KM10+310	232	3	969		1856		1				,	*	
SUB-TOTAL         35         6924         40         8864         2         464         4           4 CAI DA - BA MANG         232         3         696         8         1885         - <td>\$</td> <td>KM10+416.25</td> <td>232</td> <td>3</td> <td>969</td> <td>; ; ; ; ;</td> <td>1856</td> <td></td> <td>232</td> <td>2</td> <td>464</td> <td>2</td> <td>464</td> <td>; ; ; ;</td> <td></td>	\$	KM10+416.25	232	3	969	; ; ; ; ;	1856		232	2	464	2	464	; ; ; ;	
4/ CAI DA - BA MANG         696         8         1856         8         1856         8         1856         8         1856         8         1856         8         1856         8         1856         8         1856         8         1856         8         1856         9         <		SUB-TOTAL			6924	40	8864	2	464	4	928	4	928	1	232
KM10+509.75         232         3         696         8         1856	-	4/ CAI DA - BA MANG				;								1	
KM10+580         18	46	KM10+509.75	232	3	969		1856	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-				,		, , , , ,
KM10+640         180         3         540         8         1856         8         1856         8         1856         8         1856         8         1856         8         1856         8         1856         8         1856         8         1856         8         1856         8         1856         8         1856         8         1856         8         1856         8         1856         8         1856         8         1856         8         1856         8         1856         9         8         1856         9         8         1856         9         8         1856         1         232         2         4         1	47	KM10+580	180		180		1 1		-			1	,	7-4	180
KM10+690         KM10+690         R 1856         -	48	KM10+640	180	3	540			,	,	; ; ;			,	6 2 7 1 1 1	, , , , ,
KM10+760         KM10+760         180         1         180         -	<b>\$</b>	KM10+690	232	3	969		1856				! ! ! !		,	t 1 1 1 1	\$ ;
KM10+820       180       3       540       - <t< td=""><td>23</td><td>KM10+760</td><td>180</td><td>1</td><td>180</td><td></td><td>1</td><td></td><td>,</td><td></td><td>ı</td><td></td><td>,</td><td></td><td>,</td></t<>	23	KM10+760	180	1	180		1		,		ı		,		,
KM10+880       180       1       180       - <t< td=""><td>2</td><td>KM10+820</td><td>180</td><td>æ</td><td>540</td><td></td><td>١</td><td></td><td>,</td><td></td><td>1</td><td></td><td>ì</td><td></td><td></td></t<>	2	KM10+820	180	æ	540		١		,		1		ì		
KM10+946.919         232         3         696         8         1856         -           KM11+000         180         1         180         -         -         -           KM10+060         KM11+120         180         1         180         -         -           KM11+202.45         232         3         696         8         1856         1         232         2           SUB-TOTAL         26         5304         32         7424         1         232         2           KM11+227.55         232         3         696         8         1856         1         232         2           KM11+227.55         232         3         696         8         1856         -         -           KM11+300         180         1         180         -         -         -         -	ß	KM10+880	180	П	180				,				,		,
KM11+000       KM10+060       180       1 180       -	23	KM10+946.919	232	n	969		1856		,		1		ı		,
KM10+060       180       3       540       - <t< td=""><td>¥</td><td>KM11+000</td><td>180</td><td>-</td><td>180</td><td></td><td>,</td><td></td><td>•</td><td></td><td>•</td><td></td><td>,</td><td></td><td>,</td></t<>	¥	KM11+000	180	-	180		,		•		•		,		,
KM11+120       180       1 180       1 1856       1 232       2 2         KM11+202.45       232       32       366       8 1856       1 232       2 2         SUB-TOTAL       26       5304       32       7424       1 232       2 2         SIBSTORMANG-CAINAI       232       3 696       8 1856       8 1856       9 5         KM11+227.55       180       180       180       9 5	55	KM10+060	180	m	540		•		1		1				
KM11+202.45       23       23       3       696       8       1856       1       232       2         SUB-TOTAL       26       5304       32       7424       1       232       2       2         5/ BA MANG - CAI NAI       232       3       696       8       1856       8       1856       6         KM11+227.55       180       180       180       180       180       180       180       180	9	KM11+120	180	1	180		1		,		•		1		,
SUB-TOTAL         26         5304         32         7424         1         232         2           5/ BA MANG - CAI NAI         232         3         696         8         1856         3         1856         3         640         1         180         3         3         180	22	KM11+202.45	232	Э	969		1856	1	232	2	464	2	464		232
5/ BA MANG - CAI NAI       KM11+227.55     3 696       KM11+300     1 180		SUB-TOTAL		26	5304	32	7424	1	232	2	464	2	464	2	412
KM11+227.55 3 696 8 KM11+300 1 180		5/ BA MANG - CAI NAI					***************************************								
KM11+300 1 180 1	: :	KM11+227.55	232	m	969	œ	1856	1 1 1 1 1	,			,	,	1	
		KM11+300	180		180		,		٠		ţ		٠		,

ş	CHAINAGE	Day/section		SSP	•	AS	۵	DSP	INC	ט	EP	Ь	MO	>
			(each)	(day)	(each)	(day)	(each)	(kep)	(each)	(day)	(each)	(day)	(each)	(day)
9	KM11+360	180	m	540						•		ı		1
9	KM11+420	180	<b></b> 1	180		,		,				١		1
62	KM11+451	232	٣	969	∞	1856				,		1		1
63	KM11+540	180		180						1		1		,
2	KM11+600	180	က	540		1		ſ		•		•		\$
65	KM11+690	232	3	969	∞	1856		7				,		
99	KM11+720	180	ywl	180								,		
29	KM11+780	180	æ	540		1		ì				,		ı
88	KM11+840	180	g-r4	180		ı		í		١		•	<b></b> 1	180
69	KM11+900	180	٣	540		,		,		,		•		1
20	KM11+976.5	232	3	969	ω	1856	,		; ; ;	,		*	; ; ; ; ; ; ; ;	,
71	KM12+020	180	2	360			; ;		; ; ; ; ;	,	1 2 2 1			
72	KM12+080	180	m	540	,	,	 		; ; ; ;	,		,	,	-
73	KM12+140	180	3	540		1	,					,	;	,
74	KM12+180	232	3	969	8	1856	; ; ; ; ; ;							,
75	KM12+260	180		180	; ; ;		;		:		: : : : : :	1		
76	KM12+336.25	232	3	969	æ	1856	-1	232	2	464	2	464	 	
	SUB-TOTAL		44	8856	48	11136	1	232	7	464	2	464	=	180
	6/ CAI NAI - AP MY					-								
71	KM12+429.75	232	3	969	æ	1856		f				,		ş
1	KM12+500	180	-1	180		•		,		1		•		*
	KM12+592.5	232	m	969	æ	1856		1		,		1		1
	KM12+680	180		180		1						,	-	180
	KM12+756	232	m	969	ထ	1856							,	
83	KM12+800	180	-1	180	;	, ,						**************************************	; ; ; ; ;	· · · · · · · · · · · · · · · · · · ·
	KM12+860	180	Э	540				: : : : : : : : :	1 1 1 1 1 1 1 1 1	,		, , , , , , , , , , , , , , , , , , ,	,	
	KM12+920	180		180		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 3 1 1 7						; ; ; ;	
	KM12+980	180	m	540	ထ	1440							,	; · · · · · · · · · · · · · · · · · · ·
86	KM13+040	180		180		,				,		1		
87	KM13+109.55	232	3	969	8	1856		232	2	464	2	464		
	SUB-TOTAL		23	4764	40	8864	1	232	2	464	2	464	TH	180
	7/ AP MY - CAI RANG		1			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1								
88	KM13+250.45	232	3	969	00	1856			-,					
68	KM13+320	180	-	180	)				-					
8	KM13+380	180	æ	540	8	1440				,		1	,	,
91	KM13+440	180	ᆏ	81		,		,		1		,	qc.d	180
25	KM13+500	180	m	<u>8</u>		,		1		,		,		
93	KM13+560	180		180		1		,		,		,	,	
				; ; ; ; ;	: 4 1 1 1 1 1 1 1 1 1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		1			, , , , , , , , , , , , , , , , , , , ,		4	

Š.	CHAINAGE	Day/section	Š	SSP		AS	DSP	d ć	INC	Ç	E	EP	WO	W
			(each)	(kep)	(each)	(day)	(each)	(day)	(each)	(kep)	(each)	(day)	(each)	(day)
94	KM13+600	232	m	969		1856				-		,		
95	KM13+660	180	1	180		1		,		1		-		
96	KM13+720	180	m	540	8	1440		1		ı		,		ı
97	KM13+780	232		232		,		ı						
-86	KM13+806.4	232	m	969	∞	1856								, , , , , , , , , , , , , , , , , , ,
	SUB-TOTAL		23	4660	40	8448	•	,	-	_	-	ı	1	180
				,										
:	8/ CAI RANG - END POINT													
g	KM14+064.9	232	m	969	ထ	1856	1	232	2	464	2	464		
90	KM14+140	180	æ	540		1440		1		١		1		ģ
	KM14+200	180	1	180						1				
102	KM14+247	232	٣	969	8	1856		,		1		,	,	g
	KM14+260	180			,	1						٠	-1	180
104	KM14+320	180		180		1	1	,				,		1
105	KM14+380	180	3	540			;	1			1	1	; ; ; ; ; ; ;	**************************************
106	KM14+440	232	T	232	,		)   	,				; ; ; ;		
	KM14+450	232	3	969	80	1856		,		,				1
	KM14+560	180	1	180	· · · · · · · · · · · · · · · · · · ·	1	; ; ;	; ; ; ; ;		, ,	; ; ; ; ;		; ; ; ; ;	
109	KM14+620	180	e	540	8	1440						,	) ; ; ; ;	
110	KM14+680	180	1	180								,		
111	KM14+740	180	n	540								,	1	 
112	KM14+800	180	1	180		i	7 5 1 1 3 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				; ; ; ; ;	,	, , , ,	,
113	KM14+890	232	æ	969	ထ	1856				ı				,
114	KM14+980	180	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	180								,	÷	,
115	KM15+040	180	3	540							; ; ; ; ; ;		7-1	180
116	KM15+100	180	7	180		1			6		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			2
117	KM15+160	180	3	540		•		_			1	,		 
118	KM15+220	180	+1	180		•		,		-				
119	KM15+280	180	3	540		3		-		,		,		, ,
120	KM15+340	180	1	180				,		,				
	SUB-TOTAL		43	8416	48	10304	1	232	7	464	2	464	2	360
	II/ INTERCHANGE 3-OVERROAD													the Constitution of the Co
121	KM0+000	180	1	180				:	1 1 1 1 1 1 1 1 1	,				;
122		180	æ	540		i		,		-				,
123	KM0+120	180	-1	180		1				1				
124	KM0+180	180	m	<u>2</u> 2		,							 	1
125		232	-	232										; ; ; ; ; ;
_	KM0+259.97	232	m	969	ထ	1856				1		,		
127	KM0+360.07	232	m	969	œ	1856	<b>7-4</b>	232	7	254	7	464	; ; ; ; ; ;	, , , , , , ,
•								1				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 2 1 1 1 1 1 1 1 1

No.	CHAINAGE	Day/section	S	SSP	,	AS	DSP	d	INC	C	EP	)	MΟ	>
			(each)	(day)	(each)	(day)	(each)	(day)	(each)	(day)	(each)	(kep)	(each)	(day)
128	KM0+380	232		232		1		,		,		,		Tara ya
129	KM0+440	180	m	540		ı		•		,		,		1
130	KM0+500	180	***	180		1		•		٠		•		ı
131	KM0+560	180	E.	540		1		-		_		•		
	SUB-TOTAL		23	4556	16	3712	1	232	2	464	2	464	,	
	III/ INTERCHANGE 3-RAMPWAY "D"										9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 4 4 1 7 7	• • • • • • • • • • • • • • • • • • •	i 3 4 3 7
132	KM0+000	180	m	540		1		,		,		,	,	
133	KM0+060	180	-1	180						,	; ; ; ; ;		· · · · · · · · · · · · · · · · · · ·	*
134	KM0+100	232	٣.	969	æ	1856		,		•		,		
135	KM0+180	180	m	540								7 1 1 1 1 1 1 1 1	; ; ;	
136	KM0+240	232	1	232				,		1				
137	KM0+252.25	232	æ	969	ထ	1856	-	232	7	464	2	464		
138	KM0+345.75	232	m	969	ထ	1856		,		,				
139	KM0+420	180	3	540				,	-	-			\$	**************************************
2	SUB-TOTAL		20	4120	24	2568	1	232	2	464	7	464	•	,
	TOTAL		309	61808	368	82048	10	2320	20	4640	20	4640	10	1904
													•••	

NOTES:

: SURFACE SETTLEMENT PLATE
: ALIGNMENT STAKES
: DEEP SETTLEMENT PLATE
: INCLINOMETER
: ELECTRICAL PIEZOMETER
: OBSERVATION WELL

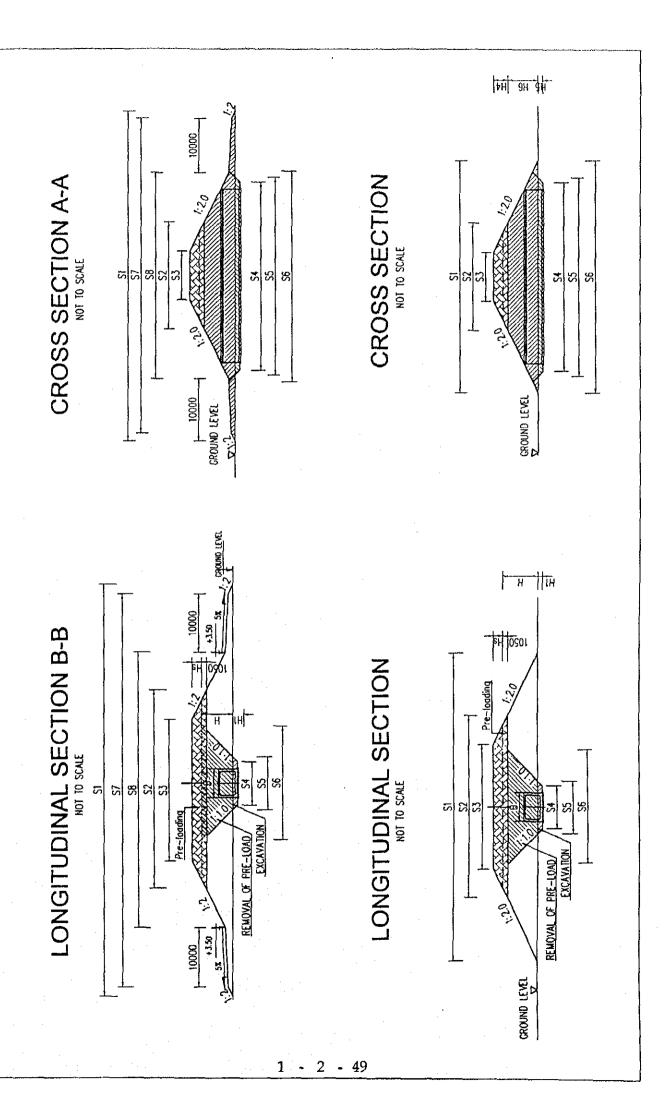
- SSP - AS - DSP - INC - EP

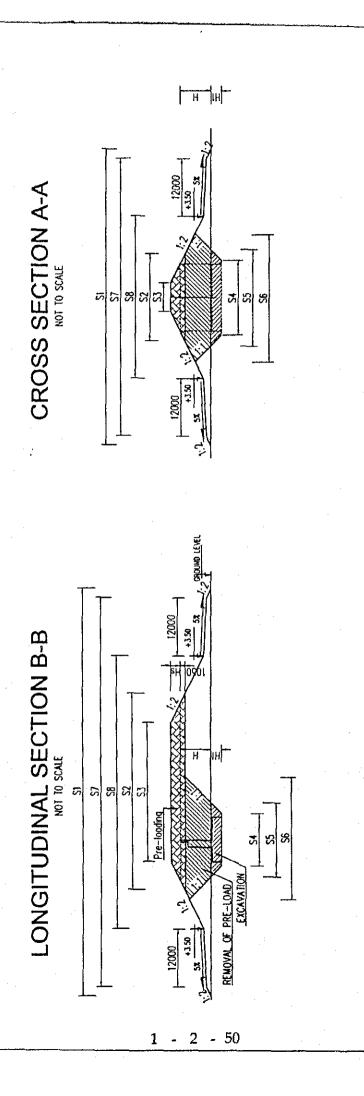
# PVD QUANTITY OF PACKAGE 3 - CAN THO SIDE

No I		CVV	1447	LEFT COUNTERWEIGHT BERM	WEIGHT	BERM		EMBAN	EMBANKMENT		RIGHI	right counterweight berm	RWEIGH	т векм	SUB-TOTAL
1	CHAINAGE	LENGTH (m)	SPACING (m)	AREA (m2)	UNIT (each)	TOTAL LENGTH (m)	SPACING (m)	AREA (m2)	UNIT (each)	TOTAL LENGTH (m)	SPACING (m)	AREA (m2)	UNIT (each)	TOTAL LENGTH (m)	LENGTH (m)
1/1	MAIN WAY														
- <u>-</u> -	1/ MAIN BRIDGE (CAN THO) - CAI TAC 1	THO) - C.	AI TAC1												
1 Km/	Km7+660 - Km7+740.3	25	1.70	681.23	272	6804.64	1.10	3420.86	3265	81612.99	1.70	655.83	262	6550.93	94968.56
2 Km7	Km7+740.3 - K7+870.0	25		•	ţ	,	1.10	4684.55	4470	111761.41	•	•	•	•	111761.41
3 Km7	Km7+870 - Km7+920	25	٠		ŧ	•	1.10	1752.47	1672	41809.46	•	ı	•	•	41809.46
4 X8+	K8+300 - Km8+410	25	1		-	•	1,10	6015.00	5740	143502.56	•	•	_	•	143502.56
5 Km8	Km8+410 - Km8+448	25	•	•	•	1	1.10	1705.73	1628	40694.37	,	4	1	•	40694.37
6 Km8	Km8+448 - Km8+456.85	25	1	٠	,	•	1.10	531.72	507	12685.48	t	•	,	,	12685.48
	SUB-TOTAL														445422
14 C	2 CAI TAC 1 - CAI TAC 2	2													
7 Km8	Km8+642.75 - Km8+750	25	1.70	1102.28	440	11010.41	1.10	5896.71	2627	140680.46	1.70	10.089	393	9819.05	161509.92
8 Km8	Km8+750 - Km8+800	25	1.70	,	•	•	1.10	2028.68	1936	48399.13	1.70	655.83	292	6520.93	. 54950.06
9 Km8	Km8+980 - Km9+080	25	•	•	,	•	1.10	12810.82	12225	305633.49	,	,	•	,	305633.49
10 Km9	Km9+280 - Km9+361.5	25	•	•	'	,	1.10	3397.35	3242	81052.10	1	,	•	•	81052.10
11 Km9	Km9+361.5 - Km9+431.45	25	1.70	689.03	275	6882.55	1.10	19.6198	3483	87070.38	1.70	555.63	222	5550.05	99502.99
. !	SUB-TOTAL												·		702649
3/ C	3/ CAI TAC 2 - CAI DA														
12 Km9	Km9+468.55 - Km9+510	23	1.70	136.76	175	4362.69	1.10	2158.28	2060	51491.06	1.70	421.14	168	4206.67	60060.41
13 Km9	Km9+510 - Km9+570	25	1.70	222.60	89	2223.50	1.10	3109.64	2968	74188.08	1.70	424.77	170	4242.93	80654.50
14 Km9	Кт9+570 - Кт9+620	25	1	1	•	-	1.10	3502.08	3342	83550.70	,	•		•	83550.70
15 Km1	Km10+320 Km10+370	ន	•		,	,	1.10	1882.10	1796	41309.94	•	,	•	,	41309.94
16 Km1	Km10+370 - Km416.25	23	<u>'</u>				1.10	2007.12	1915	44053.98		-	-	,	44053.98
	SUB-TOTAL							4							309630
4/ C	4 CAI DA - BA MANG								·						
17 Km10	17 Km10+509.45 - Km10+550	ឧ	•	`		•	1.10	397.11	379	8716.11	•	,	1	•	8716.11

		PVD	LEFT	LEFT COUNTERWEIGHT BERM	WEIGH	BERM		EMBA	EMBANKMENT		RIGH	RIGHT COUNTERWEIGHT BERM	RWEIGH	T BERM	SUB-TOTAL
Š	CHAINAGE	LENGTH (m)	SPACING (m)	AREA (m2)	UNIT (each)	TOTAL LENGTH (m)	SPACING (m)	AREA (m2)	UNIT (each)	TOTAL LENGTH (m)	SPACING (m)	AREA (m2)	UNIT (each)	TOTAL LENGTH (m)	LENGTH (m)
18	Km10+550 - Km10+620	23	•	,	-	,	1.10	2358.34	2251	51762.86	,	1	1	•	51762.86
19	Km11+100 - Km11+150	17	•	•	-	1	1.30	2006.09	1371	23301.40	,	1	•	ŧ	23301.40
70	Km11+150 - Km11+190	17.	•	•	•	•	1.30	2430.05	1660	28225.83		•	•	•	28225.83
21	Km11+190 - Km11+202.45	17	•	•	+		1.30	804.77	550	9347.67	•	-	-		9347.67
	SUB-TOTAL														121354
	5/ BA MANG - CAI NAI														
22	Km11+227.45 - Km11+234	17		1	-	1	1.30	429.68	294	4990.88	_	•	-	-	4990.88
23	Kn11+234 - Km11+330	17		,	1	•	1.30	5064.69	3460	58828.05	•	-	_	_	58828.05
24	Km11+330 - Km11+380	17	•	•	-	•	1.30	1678.21	1147	19492.96	,		-	-	19492.96
25	Km11+640 - Km11+870	17.		•	•		1.30	8602.47	5878	99920.54	,	•	•	•	99920.54
26	Km11+870 - Km12+050	17	•	1	•		1.30	7478.95	5110	86870.48	,	•	-	-	86870.48
27	Km12+050 - Km12+212.10	17	-	4	1	•	1.30	7647.55	\$225	88828.82	,	1	1	1	88828.82
82	Km12+212.10 - Km12+336.25	17	2.00	997.73	288	4896.34	1.30	5522.35	3773	64143.92	2.00	10034.23	2897	49242.76	118263.02
	SUB-TOTAL														477215
	6 CAI NAI - AP MY		-						_						
53	Km12+429.75 - Km12+540	17	2.00	1035.88	299	5083.56	1.30	5484,38	3747	63702.89	2.00	1023.75	296	5024.03	73810.48
39	Km12+540 - Km12+590	17	,	•	,	•	1.30	2088.71	1427	24261.06	J	ı	1	•	24261.06
31	Km12+590 - Km12+710	17	•		-	1	1.30	4927.48	3367	57234.31	,	1	•	•	57234.31
32	Km12+710 - Km12+880	17		•	•	•	1.30	6446.51	4405	74878.35	,	•	•	•	74878.35
8	Km12+960 - Km12+992.5	17	•	ı	•	,	1.30	1192.39	815	13850.00	,	t		•	13850.00
8	Km12+9925 - Km13+070	17	2.00	668.44	267	4540.28	1.30	2787.40	1905	32376.57	2.00	682.96	273	4638.91	41555.76
35	Km13+070 - Km13+109.55	17	2.00	557.87	223	3789.25	1.30	2495.50	1705	28986.06	2.00	555.18	222	3770.98	36546.29
	SUB-TOTAL														322136
	7/ AP MY - CAI RANG														
36	Km13+250,45 - Km13+350	17	2.00	1007.76	403	6845.06	1.30	5331.16	3643	61923.19	2.00	1027.41	411	6978.53	75746.79
37	Km13+350 - Km13+400	17	*	,	,		1.30	555.18	379	6448.60	,	•	,	•	6448.60
38	Km13+640 - Km13+709	17	•	-	•	•	1.30	2422.71	1655	28140.58	,	•			28140.58

	SUB-TOTAL	LENGTH (m)	71064.55	181401		99549.44	19104.90	29838.27	22759.78	171252.38	2731058		155186.51	163980.06	180045.86	119649.45	618863		43743.63	13523.35	46728.01	103995	3453916
	F BERM	TOTAL LENGTH (m)	5396.02			10549.82	1	,	•				•	6855.30	11726.00	•			,	•	•		
	WEIGH	UNIT (each)	317			621	'	,	•				,	298	510	'			'		3		
	RIGHT COUNTERWEIGHT BERM	AREA (m2)	1099.55			1553.19	•	ı	•				•	745.98	1276.00	,			1				
	RIGHT	SPACING (m)	2.00			2.00		,	•				•	1.70	1.70	,			1	-	•		
		TOTAL LENGTH (m)	60820.78			81736.62	19104.90	29838.27	22759.78				155186.51	145869.44	161346.46	119649.45			43743.63	13523,35	46728.01		
	EMBANKMENT	UNIT (each)	3578			4808	1124	1755	1339				6747	6342	7015	5202			1902	588	2032		
	EMBAN	AREA (m2)	5236.25			7036.96	1644.80	2568.87	1959.46				7070.37	6645.88	7351.02	6647.38			1992.98	616.13	2128.95		
		SPACING (m)	1.30	!		1.30	1.30	1.30	1.30				1,10	1.10	1,10	1,10			1.10	1.10	1.10		
	BERM	TOTAL LENGTH (m)	4847.75			7263.00	•	,	•				ı	11255.31	6974.40	,			•	,	•		
. Vé	WEIGHT	UNIT (each)	285			427	'	,	•				,	489	303	•			•		•		·
	LEFT COUNTERWEIGHT BERM	AREA (m2)	987.83			1069.29	ı.	•	•				-	1224.78	758.94	٠			1	ŧ	٠		
	LEFT	SPACING (m)	2.00			2.00	,	•	,				,	1.70	1.70	•			'	•	•		
	PVD	LENGTH (m)	17		INT	17	17	17	17			RROAD	23	23	23	ង		LAMP "D"	ង	23	23		
		CHAINAGE	Km13+709 - Km13+806.4	SUB-TOTAL	8/ CAI RANG - END POINT	Km14+064.9 - Km14+195	Km14+195 - Km14+230	Km14+230 - Km14+290	Km14+290 -Km14+340	SUB-TOTAL	TOTAL (I)	INTERCHANGE 3 - OVERROAD	Km0+00 - Km0+164.06	Km0+164.06 - Km0+259.97	Km0+360.07 - Km0+352.6	Km0+352.6 - Km0 +580	TOTAL (II)	III. INTERCHANGE 3 - RAMP "D"	Km0+040 - Km0+140	Km0+220 - Km0+252.25	Km0+345.75- Km0+440	TOTAL (III)	TOTAL (1+11+1111)
		ž	33			8	41	42	43			Ħ	#	45	46	47	:		\$	45	S		





#### QUANTITY OF PRE-LOADING ABUTMENTS PACKAGE 3 - CAN THO SIDE

No.	ITEMS	B (m)	LENGTH (m)	H (m)	H1	So(m²)	S1(m²)	S2(m²)	S3(m²)	S4(m²)	S5(m²)	S6(m²)	<b>S7</b> (m²)	<b>S8(m²)</b>	v1(m³)	v2(m³)	V1(m³)	V2(m³)	V3(m³)	V4(m³)	V5(m³)	V6(m³)	RMARKS
	Can Tho Bridge "A2"	7.5	24.1	6.2	2.31	79.73	6145.47	1123,51	442.75	233.87	415.81	975,43	5008.51	1956.67	16627.5	6721.2	4301.8	12326	2309.4	4193.7	2096.8	739.7	
2	Cai Tac 1 Bridge "A1"	7.5	24.1	4.47	2.49	41.32	2240.89	1123.51	442.75	233.87	431.97	784.92	0.00	0.00	5644.3	2205.7	1568.6	4076	2309.4	2851.1	1425.5	816.5	
3	Cal Tac 1 Bridge "A2"	7,5	24.1	7.38	1.82	104.23	6909.73	1123.51	442,75	233.87	373.79	1066.80	5290.67	2135.34	22942,5	9278.6	4836.8	18106	2309.4	4890.4	2445,2	548.0	
4	Cal Tac 2 Bridge "A1" & "A2"	7,5	31.63	5.81	2.11	78.52	9983.24	3464.76	1996.74	1565.13	498.83	2021.71	8374.77	4690.46		10783.9	6988.3	23936	8226.6	12287.4	4095,8	2073.1	
5	Interchage 3 Flyover Bridge "A1"	7.5	31	7.85	1.35	93.23	7853.76	1397.44	632.50	296.66	416.54	1242.06	6557.56	2977.19	25707.4	8474.6	5497.6	20210	3019.6	5829.3	2914.6	479.1	***************************************
6	Interchage 3 Flyover Bridge "A2"	7.5	31	7.55	1.65	101.97	7642.44	1397.44	632.50	296.66	445.16	1242.06	6557.56	2977.19	23383.0	9146.7	5349.7	18033	3019.6	5829.3	2914.6	607.9	
7	Interchage 3 Rampway "D": "A1"	5.4	7.5	4,44	3.16	68.86	1241.78	439,92	38.10	63.70	205.39	446.22	0.00	0.00	2735.5	3385.1	869.3	1866	617.6	1481.4	740.7	403.9	
8	Interchage 3 Rampway "D" : "A2"	5.4	7.5	4.66	2.94	68.89	1308.05	439.92	38.10	63.70	192.94	446.22	0.00	0.00	3016,2	3447.2	915.6	2101	617.6	1481.4	740.7	360.2	***************************************
9	Cal Da Bridge "A1"	7.5	25.1	4.92	2.60	68.92	2381.40	1163.21	525.25	242.97	456.17	873.67	0.00	0.00	6719.6	3665.3	1667.0	5053	2511.3	3401.9	1700.9	894,5	***************************************
10	Cai Da Bridge "A2"	7.5	25.1	4.7	2.82	58.21	2295.97	1163.21	525,25	242.97	476.69	873.67	0.00	0.00	6197.0	3044.4	1607.2	4590	2511.3	3401.9	1700.9	996.4	
11	Bamang Bridge "A1" & "A2"	7.5	24.1	6.44	1.76	94.50	8251.71	2419.65	1180.13	902.07	368.76	1269.58	6300.19	3814.84	29049.4	11908.7	5776.2	23273	5377.8	7726.3	2575.4	1083.9	
12	Cai Nai Bridge "A1"	7.5	24.1	5.28	2.80	67.56	4749.88	1123.51	442.75	233.87	460.11	920.84	3953.80	1772.06	11280.0	4636.0	3324.9	7955		3793.3	1896.7	953.9	
13	Cal Nai Bridge "A2"	7,5	24.1	5.34	2.86	66.47	4783.02	1123,51	442.75	233.87	465.64	936.00	3953.80	1772.06	11566.0	4577.1	3348.1	i .		3903.3	1951.6	981.5	***************************************
. 14	Ap My Bridge "A1"	7.5	24.1	6.59	2.61	71.52	6393.14	1123.51	442.75	233.87	442.77	1066.80	5586.51	2325.58	16230.3	6140.7	4475.2	<b>1175</b> 5	1	4890.4	2445.2	868.6	••••••
15	Ap My Bridge "A2"	7.5	24.1	7.09	2.11	85.43	6717.78	1123.51	442.75	233.87	398.53	1066.80	5586.51	2325.58	19507.7	7505.9	4702.5	14805	2309.4	4890.4	2445.2	659.5	
16	Cai Rang Bridge "A1"	7.5	24.1	7.33	1.19	96.17	6876.44	1123.51	442,75	233.87	322.36	976.99	5473.15	2252.35	21699.0	8541.8	4813.5	16885	2309.4	4205.3	2102.6	329.6	
17	Cai Rang Bridge "A2"	7.5	24.1	8.13	1.07	107.37	7418.65	1123.51	442.75	233.87	312.92	1066.80	5773.95	2447.55	25926.7	9880.2	5193.1	20734	2309.4	4890.4	2445.2	291.5	_
							то	TAL									65235	213921	46686	79947	36638	13088	

NOTES: - GRAVEL COMPACTION D700mm - CAI NAI-ABUTMENT "A1": NUMBER: 755 nos 36.00m+0.70m =36.70m WIDTH OF SCP INSTALLING: TOTAL LENGTH: 11325 m - GRAVEL COMPACTION D700mm - CAI NAI-ABUTMENT "A2": LENGTH OF SCP INSTALLING: 24.96m+0.70m =25.66m NUMBER: 755 nos TOTAL LENGTH: 11325 m 1,200 X1.039 = 1.247m2/Nos. OCCUPIES AREA OF SCP: - So : Average area of settlement (  ${\rm m}^2$  ) 36.70 x 25.66 / 1.247 = 755Nos. NUMBER: - v1: Quantity of embankment including sand blanket that calculated from crosss-section ( ${\rm m}^3$ ) 15.00m/Nos. LENGTH OF SCP: - v2: Quantity of final settlement (m3) - V1: Quantity of sand blanket (m<sup>3</sup>)  $755 \times 15.00 \approx 11,325 \text{ m}$ TOTAL LENGTH: - V2: Quantity of sand fill (m3) - V3: Quantity of Pre-loading (m³) - V4: Quantity of removing Pre-loading (m³) - V5: Quantity of back fill (m<sup>3</sup>) - V6: Quantity of mud excation (m3) SURFACE OF PRELOADING 90TION OF STLECTED WATERIAL BOTTOM OF RECIED MATERIAL SAND BLANKET, THOMESS=700M REMOVAL OF PRE-LOAD SAND BLANKET, THIOXNESS=700MM CRAVEL COMPACTION FILE #100mm EXCAVATION CRAVEL COMPACTION PILE #700mm 24 41040-24960

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#### QUANTITY OF PRE-LOADING CULVERTS PACKAGE 3 - CAN THO SIDE

No.	CHAINAGE	TYPE	W1xH1(m)	LENGTH(m)	H (m)	H1	So(m²)	51(m²)	<b>S2(m²)</b>	53(m <sup>2</sup> )	54(m²)	S5(m²)	S6(m²)	S7(m²)	\$8(m <sup>2</sup> )	v1(m³)	v2(m³)	V1(m³)	V2(m³)	V3(m <sup>3</sup> )	V4(m³)	V5(m³)	V6(m <sup>3</sup> )	RMADK
	Main Way						***************************************	1											12()	10( )	7 ( )	¥3(III )	*0(III )	KHARK
	Km7+820	SINGLE	3.0x3.8	26.94	4.91	0.70	68.92	2158.1	959.37	428.97	180.50	218.21	426.19	0.00	0.00	5862.6	3400.5	1510.7	7752.4	1725.4	1137.5	693.9	139.3	
2	Km7+950	DOUBLE	2,5x2.0	26.7	2.99	0.65	44.37	1509.5	965.03	520.59	237,63	272.34	375.94	0.00	0.00	2380.7	1857.3	1056.6	3181.4	1499.5	590.1	196.2	165.6	
3	Km8+820	DOUBLE	2.5x2.0	30.96	3.19	0.65	49.20	1572.5	965.03	520.59	275.54	315.79	448.30	0.00	0.00	2688.8	2098.9	1100.7	3686.9	1499.5	767.1	310.4	192.0	
4	Km9+326	DOUBLE	2,5x2.0	37.85	4.22	0.65	68.83	1999.0	1021.63	468.79	336.87	386.07	626.04	0.00	0.00	4701.9	3357.5	1399.3	6660.1	1855.1	1502.7	944.4	234.8	
5	Km9+760	DOUBLE	2.5x1.5	36.11	2.58	0.65	34.83	1246.7	851.83	624.19	321,38	368.32	478.82	0.00	0.00	1595.8	1261.5	872.7	1984.7	771.8	608.2	171.4	224.0	
6	Km10+310	DOUBLE	2.5x2.0	31.24	3.27	0.65	51.13	1598.0	965.03	520.59	278.04	318.65	457.35	0.00	0.00	2815.6	2197.6	1118.6	3894.6	1499.5	808.1	430.2	193.8	
7	Km10+690	DOUBLE	2.5x1.5	31.53	2.5	0.65	32.97	1224,2	851.83	624,19	280.62	321.61	413.04	0.00	0.00	1497.0	1183.6	856.9	1823.7	771.8	499.8	118.5	195.6	
8	Km10+950	DOUBLE	2.5x1.5	26.7	2.5	0.65	32.97	1224.2	851.83	624.19	237.63	272.34	349.77	0.00	0.00	1497.0	1183.6	856.9	1823.7	771.8	423.3	100.3	165.6	
9	Km11+451	DOUBLE	2.5x1.5	26.7	2.5	0.65	32.97	1224.2	851.83	624.19	237.63	272.34	349.77	0.00	0.00	1497.0	1183.6	856.9	1823.7	771.8	423.3	100.3	165.6	
	Km11+690		2.5x2.0	31,2	4.12	0.65	68.82	1719.8	851.83	624.19	277.68	318.24	509.81	0.00	0.00	3870.2	2916.6	1203.9	5583.0	771.8	1190.9	813.5	193.5	
	Km11+976.5		5,0x4.0	27.14	5.18	0.85	88.52	4830.4	1075.40	415.38	238.83	284.97	509.15	3489.41	1365.53	11268.0	6596,7	3381.3	14483.4	2195.1	2025.8	1278.1	222.3	
	Km12+180		2.5x2.0	38.44	5.93	0.65	95.01	5264.2	•••••	416.99	342.12	392.09	767.26	3614.49	1601.69	14192.4	7374.6	3684.9	17882.1	2201.9	2973.0	2406.0	238.4	
	Km12+592.5	•••••	5.0x4.0	28.69	4.79	0.85	68.91	11	1021.63		255.34	304.11	518.72	0.00	0.00	5900.1	3518.5	1546.2	7872.4	1855.1	1418.7	628.3	237.5	
	Km12+756		3.0x3.8	29.49	4.94	0.70	68.91	1	1021.63	********	262.46	303.75	533.18	0.00	0.00	6235.5	3559.9	1586.1	8209.4	1855.1	1516.7	1031.2	198.0	
******	Km13+600		2.5x1.5	26.7	2.5	0.65	32.97	1224.2			237.63	272.34	349.77		0.00	1497.0	1183.6	856.9	1823.7	771.8	423.3	100.3	165.6	
•••••	Km14+247 Km14+450	DOUBLE	5.0x4.0	28.69	4.88	0.85	68,92	2242.9			255.34	304.11	523.88	**********	0.00	6100.3	3543.9	1570.1	8074.1	1855.1	1461.7	671.3	237.5	
		DOUBLE	2,5x1,5 2,5x1,5	26.7 26.7	2.5	0.65	32.97	1224.2			237.63	272.34	349.77	0.00	0.00	1497.0	1183.6	856.9	1823.7	771.8	423.3	100.3	165.6	·
		DOUBLE	2.5x1.5	28,56	2.5 2.5	0.65 0.65	32.97 32.97	1224.2 1224.2		624,19 624,19	237,63	272.34		0.00	0.00		1183,6	856.9	1823.7	771.8	423.3	100.3	165.6	
	Inter. 3		2.331.3	20.30		0.03	32.37	1224.2	031.03	024.19	254.18	291.31	374.14	0.00	0.00	1497.0	1183.6	856.9	1823.7	771.8	452.7	107.3	177.2	
•	Ramp "A"																							· <del></del>
		DOUBLE	2.5x1.5	13.1	2.39	0.65	30.41	1193.6	851.83	624.19	116.59	133.62	168.73	0,00	0.00	1364.0	1078.3	835.5	1606.8	771.8	190.1	21.7	01.2	
21	Ramp "B"																		1000.0		150.1	31.7	81.3	
	Km0+286.5	DOUBLE	2.5x1.5	10.12	2.36	0.65	29.71	1185.3	851.83	624,19	90.07	103.22	129.74	0.00	0.00	1328.3	1050.0	829.7	1548.6	771.8	143.2	20.8	62.8	
22	Ramp "C"																							
	Km0+300	SINGLE	5.0x4.0	13.46	4.7	0.85	68.89	2175.0	1021.63	468.79	119.79	142.68	240.93	0.00	0.00	5702.9	3492,7	1522.5	7673.1	1855.1	645.6	274.8	111.4	
23	Ramp "D"					ļ																		<u> </u>
	Km0+100	DOUBLE	2,5x2,0	10.12	2,86	0.65	41.34	1327.1	851.83	624.19	90.07	103.22	139.86	0.00	0.00	1956.1	1543.6	928.9	2570.8	771.8	206.4	57,2	62.8	
	Ramp "F"			) }		ļ		ļ	<u> </u>															
•••••	Km0+180	SINGLE	5.0x4.0	18.52	5.11	0.85	104.34	4275.1	849.00	621.78	162.98	194.46	344.84	2298.48	780.48	9513.0	6911.5	2992.6	13431.8	769.1	1930.1	1419.9	151.7	
•••••	Inter. 4	<b></b>		ļ		ļ	<b> </b>	ļ		· • • • • • • • • • • • • • • • • • • •		•••••		ļ. <b></b>			•••••				*********			
	Ramp "B"			ļ		ļ	<b></b>	ļ		 	••••••						· • • • • • • • • • • • • • • • • • • •							
	Km0+223	DOUBLE	2.5x1.5	12.5	2.36	0.65	29.71	1185.3	851.83	624,19	111.25	127.50	160.25	0.00	0.00	1328.3	1050.0	829.7	1548.6	771.8	176.9	25.7	77.5	
								TOTAL										33968	130410	30699	22361	12132	4225	

#### QUANTITY OF RELOCATION CANAL (EXVACATION)

No	CHAI	NAGE	LENGTH	WIDTH	EXISTING LEVEL	BOTTOM ELEVATION	QUANTITY
	FROM	то	(m)	(m)	(m)	(m)	(m <sup>3</sup> )
<u>1</u>	7+820	8+210	440	-10	1.3	-0.36	6092
2	8+893	9+097	200	17	1.3	-0.50	5472
3	9+450	9+634	298	15	1.41	-0.50	7451
4	11+086	11+220	164	11	1.1	-0.50	2467
5	13+898	14+228	404	9	1.2	-0.70	5450
6	14+239	14+284	82	9	1.2	-0.70	1106
7	14+888	14+940	69	5	1.3	0.18	300
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