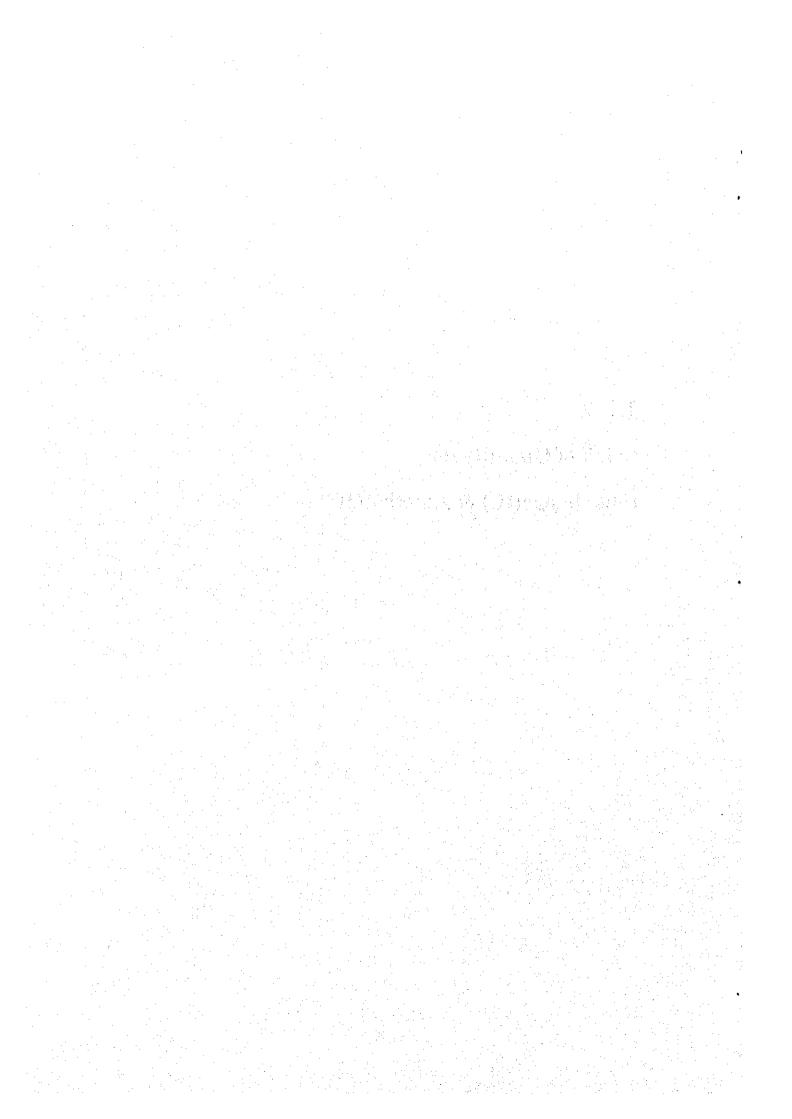
1.2.2

**Detail of Quantity for** 

Interchange(IC) & Junction(JCT)



## (INTERCHANGE & JUNCTION) Tab.A.1.12.1 Total Length

#### PARTI(SOUTHERN HIGHWAY)

#### (1)INTERCHANGE AT ROAD B84

			TOTAL LEN	KGTH =	999.0	(m)	ta a a a a a a
		SEC	CTION(NOSE)			LENGTH(m)	REMARKS
A-RAMP	NO.	0 +	0.0 ~ NO.	16 <del>+</del>	5.0	325.0	
B-RAMP	NO.	0+	0.0 ~ NO.	16 <del>1</del>	6.0	326.0	
C-RAMP	NO.	0 +	0.0 ~ NO.	8 1	13.0	173.0	
D-RAMP	NO.	0 +	0.0 ~ NO.	8+	15.0	175.0	

#### (2)INTERCHANGE AT ROAD A8

				3.5 × 3.5		1
	44.76	TOTAL LEY	IGTH = 965.	0 (m)	e e e	
		SECTION(NOSE)	to teach and the	LENGTH(m)	REMARKS	
A-RAMP	NO. 0	+ 0.0 ~ NO.	12 + 17	257.0		
B-RAMP	NO. 0	+ 0.0 ~ NO.	13 + 9	5.0 265.0		,
C-RAMP	NO. 0	+ 0.0 ~ NO.	11 + 8	3.0 228.0		
D-RAMP	NO. 0	+ 0.0 ~ NO.	10 + 15	0 215.0		
	1.0				***	

#### PART2(OUTER CIRCULAR HIGHWAY)

#### (3)INTERCHANGE AT ROAD A1

		<u> </u>	
	TOTAL LENGTH = 1,356.0	(m)	
1 1 1 1 1 1 1	SECTION(NOSE)	LENGTH(m)	REMARKS
A-RAMP	NO. 0 + 0.0 ~ NO. 19 + 16.0	396.0	
B-RAMP	NO. $0 + 0.0 \sim NO. 17 + 5.0$	345.0	
C-RAMP	NO. 0 + 0.0 ~ NO. 17 + 10.0	350.0	
D-RAMP	NO. $0 + 0.0 \sim NO. 13 + 5.0$	265.0	
		7 - 12	

#### (4)INTERCHANGE AT ROAD B214

	7 2 3 4 4	11.7				1 4 1	
			TOTAL LI	ENGTH =	287.0	(m)	
1	14.5	SECT	ON(NOSE)		1. 17	LENGTH(m)	REMARKS
A-RAMP	NO. 0	+	0.0 ~ NO.	7 +	7.0	147.0	
B-RAMP	NO. 0	+ 4.5	0.0 ~ NO.	7 +	0.0	140.0	
45	2.		19 18			1	
1. 1. 1	* .		· · .	11.			
	344 5						

#### (5)INTERCHANGE AT ROAD A110

		7.7		7 7				
100	1 1 1 1		TOTAL LEN	GTH =	403.0	(m)		
		SECTION	ON(NOSE)			LENGTH(m)	REMA	RKS
C-RAMP	NO. 0	+ (	0.0 ~ NO.	10 +	10.0	210.0	57.4	
D-RAMP	NO. 0	+ (	0.0 ~ NO.	9 +	13.0	193,0		
		10.7%		100				1 1
5.	1,000	44.50	100	14.				

#### (6)INTERCHANGE AT ROAD A4

7		The state of the state of	· 18 / 12 /	er met i de i 19	and the second of the second	
1.	ta ta est.	TOTAL LE	NGTH = 1,0	95.0 (m)		
11000	S	SECTION(NOSE)	5	LENGTH(m)	REMARKS	
A-RAMP	NO. 0 +	0.0 ~ NO.	4 +	10.0 410.0		
B-RAMP	NO. 2 +	25.0 ~ NO.	3 +	90.0 165.0		
C-RAMP	NO. 0 +	0.0 ~ NO.	3 +	60.0 360.0		-
D-RAMP	NO. 1 +	40.0 ~ NO.	3 +	0.0 160.0		1, 1

## (INTERCHANGE & JUNCTION) Tab.A.1.12.2 Total Length

#### PART3(OUTER CIRCULAR HIGHWAY)

(7) JUNCTION AT COLOMBO KATUNAYAKE EXPRESSWAY-2

	******									
				TO	TAL LE	NOTI	=	1,222.3	(m)	<u> </u>
			SI	ECTION(N	OSE)				LENGTH(fa)	REMARKS
A-RAMP	NO.	23	+	0.0	~ NO.	29	+	4.0	124.0	
B-RAMP	NO.	4	+	8.0	~ NO.	16	+	0.0	232.0	
C-RAMP	NO.	. 0	+	-25.3	~ NO.	28	+	16.0	601.3	
D-RAMP	NO.	- 4	+	8.0	~ NO.	17	+	13.0	265.0	

(8)INTERCHANGE AT ROAD A3

								 	<u> </u>
			TO	TAL LE	NGTH	= 782.0	(m)	 	1.2.2.4.6
1. 14.5		2.00	SECTION(N	IOSE)		1.00	LENGIH(m)	 REM/	ARKS
A-RAMP	NO.	• 0	+ 0.0	~ NO.	12	+ 0.0	240.0		e andre t
B-RAMP	NO.	-0	+ 0.0	~ NO.	10	+ 8.0	208.0		
C-RAMP	NO.	0	+ 0.0	~ NO.	16	<b>+ 14.0</b>	334.0		1.11
D-RAMP	NO.	- 0	+ 0.0	~ NO.	0	+ 0.0	0.0		
E-RAMP	NO.	0	+ 0.0	~ NO.	. 0	+ 0.0	0.0		100

#### PART4(OUTER CIRCULAR HIGHWAY)

(9) JUNCTION AT SOUTHERN HIGHWAY

			4, 1 1	7 - 1		e State of the Control	
			TOTAL LEN	(GTH = 1	2,198.0	(m)	
		SE	CHON(NOSE)	- 1 M - 1 T		LENGTH(m)	REMARKS
A-RAMP	NO.	7 +	13.0 ~ NO.	37 +	15.0	602.0	THE TOTAL SECTION AND A SECTION
B-RAMP	NO.	12 +	5.0 ~ NO.	24 +	0.0	235.0	
C-RAMP	NO.	: 0 +	0.0 ~ NO.	42 +	8.0	848.0	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
D-RAMP	NO.	0 +	0.0 ~ NO.	25 +	13.0	513.0	

## COLOMBO KATUNAYAKE EXPRESSWAY PORTION (\*)JUNCTION AT COLOMBO KATUNAYAKE EXPRESSWAY-1

				5	11.				٠	1	112	
: 1	11			TO	TAL	LENG	311	[ =	1,1	65.7	(m)	
			SECTION	ON(	NOSE	)					LENGTH(m)	REMARKS
A-RAMP	NO.	20 -	1	1.0	~ N	О.	29	+	W	5.0	171.0	and the second sections
B-RAMP	NO.	3	1:	5.0	~ N	O.	15	+	-	8.0	233.0	
C-RAMP	NO.	0	2	5.3	~ N	O.	26	+		15.0	509.7	
D-RAMP	NO.	3	+ 1:	5.0	~ N	0.	16	+		7.0	252.0	
E-RAMP	NO.	0	F (	0.0	~ N	O.	0	+		0.0	0.0	

## (INTERCHANGE & JUNCTION) Tab.A.1.13.1 Quantities of Earth Works

#### (1) INTERCHANGE AT ROAD B84

<EMBANKMENT>

CMDAM								-
BASICIR	EEWAY SEGMENT							:
	504F(0)466D	LENGTH	WIDTH	AVE.H	AVE AREA	VOLUME	COEFFICIENT	COVERTED
7.1	SECTION(NOSE)	(m)	(m)	(m)	(m2)	(m3)	COEFFICIENT	VOLUMB (m3)
A-RAMP	NO. 0 + 0.0 ~ NO. 16 + 5.0	325.0	8.75	4.0		11,375.0	0.9	12,638.9
B-RAMP	NO. $0 + 0.0 \sim NO. 16 + 6.0$	326.0	8.75	4.0		11,410.0	0.9	12,677.8
CRAMP	NO. $0 + 0.0 \sim \text{NO.} 8 + 13.0$	173.0	8.75	20		3,027.5	0.9	3,363.9
D-RAMP	NO. 0 + 0.0 ~ NO. 8 + 15.0	175.0	8.75	20		3,062.5	0.9	3,402.8
SUB TOTA	A1							32,083.3
	ANGELANE							
31 223 4	I I	LENGTH	WIDTHINOSE	HEIGHT	AVE AREA	YOLUME		COVERTED
*		(m)	(m)	(m)	(o <sub>1</sub> 2)	(m3)	COEFFICIENT	VOLUMB (m3)
A-RAMP	DECELERATION LANE	165.0	8.95	6.0	26.85	4,430.3	0.9	4,922.5
B-RAMP	ACCELERATION LANE	210.0	8.95	5.5	24.61	5,168.6	0.9	5.742.9
CRAMP	ACCELERATION LANE	210.0	8.95	4.0	17.90	3,759.0	0.9	4,176.7
D RAMP	DECELERATION LANE	165.0	8.95	4.0	17.90	2,953.5	0.9	3,281.7
			<del>                                     </del>				1.0	
SUB TOTA	AL.	<u></u>	·					18,123.8
TOTAL							(A)	50,207.1

DAVEMUNT DAD

PAVEME								
BASIC FR	REEWAY SEGMENT	<u> </u>	11			* .		* 1
- 14 × 1	SECTION(NOSE)	LENGTH	WIDTH	AREA	THICKNESS	VOLUME	COEFFICIENT	COVERTED
100	SECTION(NOSE)	` (m)	(m)	(m2)	(m)	(m3)	COLITICILA	VOLUMB (m3)
A-RAMP	NO. $0 + 0.0 \sim \text{NO}$ . $16 + 5.0$	325.0	7.00	2,275.0	0.45	1,023.8	0.9	1,137.5
B-RAMP	NO. 0 + 0.0 ~ NO. 16 + 6.0	326.0	7.00	2,282.0	0.45	1,026.9	0.9	1,141.0
C-RAMP	NO. $0 + 0.0 \sim \text{NO.} 8 + 13.0$	173.0	7.00	1,211.0	0.45	545.0	0.9	605.5
D-RAMP	NO. 0 + 0.0 ~ NO. 8 + 15.0	175.0	7.00	1,225.0	0.45	551.3	0.9	612.5
· .		14 47						
SUB TOT	AL_	14						3,496.5
SPEED C	HANGE LANE	1 11 11 11	transfer of the second		The second			14 1 1
		LENGIH	AVEWIDTH	AVE AREA	THICKNESS	VOLUME	COEFFICIENT	COVERTED
		(m)	(m)	(m2)	(m)	(m3)	COLITICIENT	YOLUMB (m3)
A-RAMP	DECELERATION LANE	165.0	4.10	676.5	0.45	304.4	0.9	338.3
B-RAMP	ACCELERATION LANE	210.0	4.10	861.0	0.45	387.5	0.9	430.5
C RAMP	ACCELERATION LANE	210.0	4.10	861.0	0.45	387.5	0.9	430.5
D-RAMP	DECELERATION LANE	165.0	4.10	676.5	0.45	304.4	0.9	338.3
								- 1 .
SUB TOT	AL'			- 12				1,537.5
TOTAL.							(B)	5,034.0

GRAND TOTAL	(m3)
(A)-(B)=	45,173.1

# (INTERCHANGE & JUNCTION) Tab.A.1.13.2 Quantities of Earth Works

## (2)INTERCHANGE AT ROAD A8 <EMBANKMENT>

·:	SECTION(NOSE)		LENOTH (m)	WIDIH (m)	AVE II (m)		VOLUMB (m3)	COEFFICIENT	COVERTED VOLUME (m3
A-RAMP	NO 0 + 0.0 ~ NO 12 +	17.0	257.0	8.75	4.0		8,995.0	0.9	9,994.4
3-RAMP	NO 0 + 0.0 ~ NO 13 +	5.0	265.0	8.75	4.5		10,434.4	0.9	11,593.
C-RAMP	NO 0 + 0.0 ~ NO 11 +	8.0	228.0	8.75	3.0		5,985.0	0.9	6,650.
D-RAMP	NO 0 + 0.0 ~ NO 10 +	15.0	215.0	8.75	3.0		5,643.8	0.9	6,270
			1						7.
UB TOT	74.1								24.600
OD IOI	AL			A The Section 1		1 1 1 1	· · · · · · · · · · · · · · · · · · ·	100	34,509.
	HANGE LANE								34,309.
			LENGTH (m)	WIDTH(NOSE)	HEIGHT (m)	AVB AREA	VOLUMB (m3)	COEFFICIENT	COVERTED
SPEED C	HANGE LANE				-			COEFFICIENT 0.9	COVERTED VOLUME (m
SPEED C	HANGE LANE DECELERATION LANE		(m)	(m)	(m)	(m2)	(1:13)		COVERTED VOLUME (m) 6,973.
	HANGE LANE  DECELERATION LANE  ACCELERATION LANE		(m) 165.0	(m) 8.95	(m) 8.5	(m2) 38.04	(m3) 6,276.2	0.9	COVERTED VOLUME (m: 6,973. 8,875.
A-RAMP B-RAMP	DECELERATION LANE ACCELERATION LANE ACCELERATION LANE ACCELERATION LANE		(m) 165.0 210.0	(m) 8.95 8.95	(m) 8.5 8.5	(m2) 38.04 38.04	(m3) 6,276.2 7,987.9	0.9 0.9	
A-RAMP B-RAMP C-RAMP	DECELERATION LANE ACCELERATION LANE ACCELERATION LANE ACCELERATION LANE		(m) 165.0 210.0 210.0	(m) 8.95 8.95 8.95	(m) 8.5 8.5 5.0	(m2) 38.04 38.04 22.38	(m3) 6,276.2 7,987.9 4,698.8	0.9 0.9 0.9	COVERTED VOLUME (m 6,973. 8,875. 5,220.
A-RAMP B-RAMP C-RAMP	DECELERATION LANE ACCELERATION LANE ACCELERATION LANE ACCELERATION LANE DECELERATION LANE		(m) 165.0 210.0 210.0	(m) 8.95 8.95 8.95	(m) 8.5 8.5 5.0	(m2) 38.04 38.04 22.38	(m3) 6,276.2 7,987.9 4,698.8	0.9 0.9 0.9	COVERTED VOLUME (m 6,973. 8,875. 5,220.

PAVEMENT PART			<u> </u>	3 2 2 2 2 2 2 2		77 A	
BASIC FREEWAY SEGMENT	. The state of					1114 L 1 12	1. 5.50 0.5
SECTION(NOSE)	LENGTH (m)	WIDTH (ta)	AREA (m2)	THICKNESS (m)	VOLUME (m3)	COEFFICIENT	COVERTED VOLUME (m3)
A-RAMP NO 0 + 0.0 $\sim$ NO 12 + 17.0	257.0	7.00	1,799.0	0.45	809.6	0.9	899.5
B-RAMP NO 0 + 0.0 ~ NO 13 + 5.0	265.0	7.00	1,855.0	0.45	834.8	0.9	927.5
C-RAMP NO 0 + 0.0 $\sim$ NO 11 + 8.0	228.0	7.00	1,596.0	0.45	718.2	0.9	798.0
D-RAMP NO 0 + 0.0 $\sim$ NO 10 + 15.0	215.0	7.00	1,505.0	0.45	677.3	0.9	752.5
SUB TOTAL				* *			3,377.5
SPEED CHANGE LANE			144,631	tana da araba	and the second	uts in Edition	A State State
	LENGTH (m)	AVB.WIDIH (m)	AVE AREA (m2)	THICKNESS (m)	VOLUMB (m3)	COEFFICIENT	COVERTED VOLUME (m3)
A-RAMP DECELERATION LANE	165.0	4.10	676.5	0.16			
	100.0	7.10	970.3	0.45	304.4	0.9	338.3
B-RAMP ACCELERATION LANE	210.0	4.10	861.0	0.45	304.4 387.5	0.9	338.3 430.5
B-RAMP ACCELERATION LANE	210.0	4.10	861.0	0.45	387.5	0.9	430.5
B-RAMP ACCELERATION LANE C-RAMP ACCELERATION LANE	210.0 210.0	4.10 4.10	861.0 861.0	0.45 0.45	387.5 387.5	0.9 0.9	430.5 430.5
B-RAMP ACCELERATION LANE C-RAMP ACCELERATION LANE	210.0 210.0	4.10 4.10	861.0 861.0	0.45 0.45	387.5 387.5	0.9 0.9	430.5 430.5

GRAND TOTAL	(m3)
 (A)-(B)=	54,765.9

## (INTERCHANGE & JUNCTION) Tab.A.1.13.3 Quantities of Earth Works

## (3)INTERCHANGE AT ROAD AT <EMBANKENT>

	SECTION(NOSE)	LENGTH	WIDTH	AVEH	AVE AREA	VOLUME	COEFFICIENT	COVERTED
	SECTION(1032)	(m)	(m)	(m)	(m2)	(m3)	COLITICIENT	VOLUME (m3
A-RAMP	NO 0 + 0.0 ~ NO 19 + 16.0	396.0	8.75	5.0		17,325.0	0.9	19,250.0
3-RAMP	NO $0 + 0.0 \sim NO 17 + 5.0$	345.0	8.75	5.0		15,093.8	0.9	16,770.3
C-RAMP	NO 0 + 0.0 ~ NO 17 + 10.0	350.0	8.75	5.5		16,843.8	0.9	18,715.3
D-RAMP	NO 0 + 0.0 $\sim$ NO 13 + 5.0	265.0	8.75	5.5		12,753.1	0.9	14,170.1
1.6	, .						1.0	
SUB TOT	AL.		1.5					63,906.3
SPEED C	HANGE LANE							
SPEED C	HANGE LANE	LENGTH	WIDTH(NOSE)	HEIGHT	AVE AREA	VOLUME	COFFEIGURE	COVERTED
SPEED C	HANGE LANE	LENGTH (m)	WIDTH(NOSE)	HEIGHT (m)	AVE AREA	VOLUME (m3)	LCOFFFICIENT	
SPEED C	HANGE LANE  DECELERATION LANE						LCOFFFICIENT	VOLUME (m)
A-RAMP	DECELERATION LANE	(m)	(m)	(m)	(m2)	(m3)	COEFFICIENT	VOLUME (m3 5,742.5
	DECELERATION LANE ACCELERATION LANE	(m) 165.0	(m) 8.95	(m) 7.0	(m2) 31.33	(m3) 5,163.6	0.9	VOLUME (m3 5,742.5 7,309.2
A-RAMP B-RAMP	DECELERATION LANE ACCELERATION LANE	(m) 165.0 210.0	(m) 8.95 8.95	(m) 7.0 7.0	(m2) 31.33 31.33	(m3) 5,168.6 6,578.3	0.9	COVERTED VOLUME (m3 5,742.9 7,309.2 11,485.8 9,024.6
A-RAMP 3-RAMP C-RAMP	DECELERATION LANE ACCELERATION LANE ACCELERATION LANE	(m) 165.0 210.0 210.0	(m) 8.95 8.95 8.95	(m) 7.0 7.0 11.0	(m2) 31.33 31.33 49.23	(m3) 5,168.6 6,578.3 10,337.3	0.9 0.9 0.9	VOLUME (m) 5,742.5 7,309.2 11,485.8
A-RAMP B-RAMP C-RAMP	DECELERATION LANE ACCELERATION LANE ACCELERATION LANE DECELERATION LANE	(m) 165.0 210.0 210.0	(m) 8.95 8.95 8.95	(m) 7.0 7.0 11.0	(m2) 31.33 31.33 49.23	(m3) 5,168.6 6,578.3 10,337.3	0.9 0.9 0.9	VOLUME (m) 5,742.5 7,309.2 11,485.8

BASIC FR	EEWAY SEGMENT							<u> </u>
1.5	SECTION(NOSE)	LENGTH (m)	(m) WIDIH	AREA (m2)	THICKNESS (m)	VOLUME (m3)	COEFFICIENT	COVERTED VOLUME (m3)
A-RAMP	NO 0 + 0.0 ~ NO 19 + 16.0	396.0		2,772.0	0.45	1,247.4	0.9	1,386.0
B-RAMP	NO 0 + 0.0 ~ NO 17 + 5.0	345.0	7.00	2,415.0	0.45	1,086.8	0.9	1,207.5
C-RAMP	NO $0 + 0.0 \sim NO 17 + 10.0$	350.0	7.00	2,450.0	0.45	1,102 5	0.9	1,225.0
D-RAMP	NO $0 + 0.0 \sim NO 13 + 5.0$	265.0	7.00	1,855.0	0.45	834.8	0.9	927.5
								<u> </u>
SUB TOTA	AL							4,746.0
SPEED C	HANGE LANE							
1 1 1 1		LENGIH (m)	(m) (m)	AREA (m2)	THICKNESS (m)	VOLUME (m3)		COVERTED VOLUME (m3)
A RAMP	DECELERATION LANE		. 1					VOLUME (m3)
A-RAMP B-RAMP	DECELERATION LANE ACCELERATION LANE	(m)	(m)	(m2)	(m)	(m3)	COEFFICIENT	VOLUME (m3)
B-RAMP C-RAMP	ACCELERATION LANE ACCELERATION LANE	(m) 165.0 210.0 210.0	(m) 4.10 4.10 4.10	(m2) 676.5 861.0 861.0	(m) 0.45	(m3) 304,4 387.5 387.5	0.9	VOLUME (m3) 338.3 430.5 430.5
B-RAMP	ACCELERATION LANE	(m) 165.0 210.0	(m) 4.10 4.10	(m2) 676.5 861.0	(m) 0.45 0.45	(m3) 304,4 387,5	09 09	VOLUME (m3) 338.3 430.5 430.5
B-RAMP C-RAMP	ACCELERATION LANE ACCELERATION LANE	(m) 165.0 210.0 210.0	(m) 4.10 4.10 4.10	(m2) 676.5 861.0 861.0	(m) 0.45 0.45 0.45	(m3) 304,4 387.5 387.5	0.9 0.9 0.9	VOLUME (m3) 338.3 430.5 430.5 338.3
B-RAMP C-RAMP	ACCELERATION LANE ACCELERATION LANE DECELERATION LANE	(m) 165.0 210.0 210.0	(m) 4.10 4.10 4.10	(m2) 676.5 861.0 861.0	(m) 0.45 0.45 0.45	(m3) 304,4 387.5 387.5	0.9 0.9 0.9	VOLUME (m3) 338.3

GRAND TOTAL	(m³)
(A)-(B)=	96,185.3

# (INTERCHANGE & JUNCTION) Tab.A.1.13.4 Quantities of Earth Works

## (4)INTERCHANGE AT ROAD B214 <EMBANKMENT>

			SECT	ION(	NOSE	i)		.	LENOIH (m)	(ta)	AVE II (m)		VOLUMB (m3)	COEFFICIENT	COVERTED VOLUME (m3)
A-RAMP	NO.	0 4	0.0	~	NO.	7	+	7.0	147.0	8.75	4.0	7	5,145.0	0.9	5,716.1
B-RAMP	NO.	0 1	0.0	~	NO.	7	+	0.0	140.0	8.75	4.0		4,900.0	0.9	5,444.4
								1	- N				1. 7 1. 1.	1, 5	
								$\neg \neg$							
	T													4	
SUB TOTA	AJ,					72									11,161.
SPEED C	IANG	E LA	NE						- 1	A 10 A 10 A 10 A	4 4 1	7 - 1	1000	and the second	A 1 1 4 1
SPEED C	IANG	ELA	NE						LENOTH (m)	WIDTH(NOSE) (m)	HEIGHT (m)	AVE AREA (m2)	VOLUMB (m3)	COEFFICIENT	COVERTED VOLUME (m)
			NE LERA	TIO	NLA	NE				1				COEFFICIENT	VOLUME (m)
A-RAMP		ECE							(m)	(m)	(m)	(m2)	(m3)		VOLUME (m3) 6,153.1
SPEED CH A-RAMP B-RAMP		ECE	LERA						(m) 165.0	(m) 8,95	(m) 7.5	(m2) 33 56	(m3) 5,537.8	0.9	COVERTED VOLUME (m3) 6,153.1 7,831.3
A-RAMP		ECE	LERA						(m) 165.0	(m) 8,95	(m) 7.5	(m2) 33 56	(m3) 5,537.8	0.9	VOLUME (m3) 6,153.1
A-RAMP		ECE	LERA						(m) 165.0	(m) 8,95	(m) 7.5	(m2) 33 56	(m3) 5,537.8	0.9	VOLUME (m3) 6,153.1
A-RAMP		ECE	LERA						(m) 165.0	(m) 8,95	(m) 7.5	(m2) 33 56	(m3) 5,537.8	0.9	VOLUME (m3) 6,153.1

	s	ECTION(NO	SB)		LENOTH (m)	WIDTH (m)	AREA (m2)	THICKNESS (m)	VOLUMB (m3)		COVERTED VOLUME (m)
A-RAMP	NO. 0 +	0.0 ~ NO	7 +	7.0	147.0	7.00	1,029.0	0.45	463.1	09	514.
3-RAMP	NO. 0 +	0.0 ~ NO	7 +	0.0	140.0	7.00	980.0	0.45	441.0	0.9	490.
	- 4					1 1 2			4.000	1.0	
						11 11 11		50.0			
							4.4			7 - 1	
SUB TOTA							10,1200 100	et de la company			1,004.
	AL IANGE LAN	E			A PARLA PARLA		14 (12) 4 (14) 1 (14) 1 (14)		0		
		E			LENGIH (m)	WIDTH(NOSE)	AREA (m2)	THICKNESS (m)	VOLUMB (m3)	COEFFICIENT	COVERTED
SPEED CH	IANGE LAN	E ERATION L	ANE							COEFFICIENT	COVERTED VOLUME (m.
	IANGE LAN DECEL				(m)	(m)	(m2)	(m)	(m3)		COVERTED VOLUME (m3 338
A-RAMP	IANGE LAN DECEL	ERATION L			(m) 165.0	(m) 4.10	(m2) 676.5	(m) 0.45	(m3) 304.4	0.9	COVERTED VOLUME (m: 338
A-RAMP	IANGE LAN DECEL	ERATION L			(m) 165.0	(m) 4.10	(m2) 676.5	(m) 0.45	(m3) 304.4	0.9	COVERTED VOLUME (m: 338
PEED CH	IANGE LAN DECEL	ERATION L			(m) 165.0	(m) 4.10	(m2) 676.5	(m) 0.45	(m3) 304.4	0.9	COVERTED VOLUME (m 338

GRAND TOTAL	(m³)
(A)_(B)=	23,372.2

## (INTERCHANGE & JUNCTION) Tab.A.1.13.5 Quantities of Earth Works

#### (5)INTERCHANGE AT ROAD A110

			SEC	пох	(NOS	E)			LENGTH (m)	WIDIH (m)	AVE H (m)	:	VOLUME (m3)		COVERTED VOLUME (m.
RAMP	NO	0.4	0.0		NO	10	+ 1	0.0	210.0	8.75	2.0		3,675.0	0.9	4,083
) RAMP		0 1	0.0	> ~	NO	9	+ 1	3.0	193.0	8.75	2.0		3,377.5	0.9	3,752
	ļ		·		·										
	1	<del></del>		_				-							
SUB TOT	AL													-	7,836.
		GE LA	NE												
		GE LA	NE		1.74				LENGTH (m)	WIDTH(NOSE)	HEIGHT	AVE AREA	VOLUME (m3)	COEFFICIENT	COVERTED
SUB TOT SPEED C	HAN			ATIO	N L	ANI	1		LENGTH (m) 210.0					COEFFICIENT	7,836.  COVERTED VOLUME (m. 6,265.
	HAN	OE LA	LER						(m)	(m)	(m)	(m2)	(m3)	COEFFICIENT	COVERTED VOLUME (m.
PEED C	HAN	ACCI	LER						(m) 210.0	(m) 8.95	(m) 6.0	(m2) 26.85	(m3) 5,638.5	O.9	COVERTED VOLUME (m 6,265.
PEED C	HAN	ACCI	LER						(m) 210.0	(m) 8.95	(m) 6.0	(m2) 26.85	(m3) 5,638.5	O.9	COVERTED VOLUME (m 6,265

***	<b>75.3</b>	a a tr	n	A D'T

SECTION(NOSE)	14 4	LENGTH (m)	(m)	AREA (m2)	THICKNESS (m)	VOLUME (m3)	COEFFICIENT	COVERTED VOLUME (m
$60 + 0.0 \sim NO 10$	0 + 10.0	210.0	7,00	1,470.0	0.45	661.5	0.9	735.
	9 + 13.0	193.0	7.00	1,351.0	0.45	608.0	0.9	675
1 - 1								
and the second second								
	41 5							1.5
L								1,410
ANGE LANE								
		LENGTH (m)	AVE H (m)	AVE AREA (m2)	THICKNESS (13)	VOLUME (m3)	COEFFICIENT	COVERTED VOLUME (m
ACCELERATION LAN	Œ	210.0	4.10	861.0	0.45	387.5	0.9	430
DECELERATION LAN	Œ	165.0	4.10	676.5	0.45	304.4	0.9	338
		1 1 1 1 1 1 1 1					- · · · · · · · · · · · · · · · · · · ·	
			4	4 4 4 4				l
ī	O 0 + 0.0 ~ NO  NOB LANE  ACCELERATION LAN	O 0 + 0.0 ~ NO 9 + 13.0	O 0 + 0.0 ~ NO 10 + 10.0 210.0 O 0 + 0.0 ~ NO 9 + 13.0 193.0  NNGE LANE  LENGTH  (pa)  ACCELERATION LANE 210.0	O 0 + 0.0 ~ NO 10 + 10.0 210.0 7.00 O 0 + 0.0 ~ NO 9 + 13.0 193.0 7.00  NOGE LANE    LENGTH (m) (m) (m)   ACCELERATION LANE 210.0 4.10	O 0 + 0.0 ~ NO 10 + 10.0 210.0 7.00 1,470.0 O 0 + 0.0 ~ NO 9 + 13.0 193.0 7.00 1,351.0  NOGE LANE    LENGTH	O 0 + 0.0 ~ NO 10 + 10.0 210.0 7.00 1,470.0 0.45 O 0 + 0.0 ~ NO 9 + 13.0 193.0 7.00 1,351.0 0.45  NOGE LANE    LENGTH	O 0 + 0.0 ~ NO 10 + 10.0 210.0 7.00 1,470.0 0.45 661.5 O 0 + 0.0 ~ NO 9 + 13.0 193.0 7.00 1,351.0 0.45 608.0  NOGE LANE  LENGTH AVE H AVE AREA (m2) (m3) (m3) ACCELERATION LANE 210.0 4.10 861.0 0.45 387.5	O 0 + 0.0 ~ NO 10 + 10.0 210.0 7.00 1,470.0 0.45 661.5 0.9 O 0 + 0.0 ~ NO 9 + 13.0 193.0 7.00 1,351.0 0.45 608.0 0.9  NOGE LANE    LENGTH

GRAND TOTAL	(m')
(A)-(B)=	16,023.9

#### (INTERCHANGE & JUNCTION) Tab.A.1.13.6 Quantities of Earth Works

## (6)INTERCHANGE AT ROAD A4 <EMBANKMENT>

	LEEWAY SEGMENT	LENGIH	WIDTH	AVEII	AVEAREA	VOLUMB	COLDENSIE	COVERTED
100	SECTION(NOSE)	(m)	(a)	(m)	(m2)	(m3)	COEFFICIENT	YOLUMB (m
LANE	N 1 DIRECTION							
RAMP	NO. 2 + 25.0 ~ NO. 4 + 10.0	185.0	8.50	8.0	180.00	37,000.0	0.9	33,300
3-RAMP	NO. $2 + 25.0 \sim NO. 3 + 90.0$	165.0	8.50	8.0	180.00	33,000.0	0.9	29,700
C-RAMP	NO. 1 + 40.0 ~ NO. 3 + 60.0	220.0	8.50	5.0	115.00	28,111.1	0.9	25,300
D-RAMP	NO. 1 + 40.0 ~ NO. 3 + 0.0	160.0	8.50	6.0	115.00	20,444.4	0.9	18,400
·								
LANE	N 2 DIRECTION WITH SEPARATION				* : .			
A-RAMP		225.0	16.00	4.0	90.00	22,500.0	0.9	20,250.
C-RAMP	NO. $0 + 0.0 \sim NO. 1 + 40.0$	140.0	16.00	4.0	90.00	14,000.0	0.9	12,600.
11.								
LANEI	N 2 DIRECTION WITH SEPARATION	: -						
							<b></b>	
		74.1 Table 1	4 4 4		1.0	2		1000
								<u> </u>
SUB TOT							<u> </u>	139,550
	AL HANGE LANE							
		LENGTH	WIDTH(NOSE)	HEIGHT	AYEAREA	VOLUMB	COEFFICIENT	COVERTED
		LENGTH (E)	WIDTH(NOSE)	нелент (т)	AVEAREA (m²)	(m3)		COVERTED
SPEED C	HANGE LANE	(m) 	(m)	(m)	(m2)	(m3)		COVERTED VOLUME (so
SPEED C	HANGE LANE  DECELERATION LANE	(n) 165.0	(m) 8.95	(m) 13.0	(m2) 116.35	(m3) 21,340.0	0.9	COVERTED VOLUME (so 19,206
A RAMP B RAMP	HANGE LANE  DECELERATION LANE  ACCELERATION LANE	(E) 165.0 210.0	(m) 8.95 8.95	(m) 13.0 12.0	(m2) 116.35 107.40	(m3) 21,340.0 25,060.0	0.9	COVERTED VOLUME (so 19,206. 22,554.
A-RAMP B-RAMP C-RAMP	DECELERATION LANE ACCELERATION LANE DECELERATION LANE	(165.0 210.0 165.0	(m) 8.95 8.95 8.95	(m) 13.0 12.0 7.0	(m2) 116.35 107.40 62.65	(n3) 21,340.0 25,060.0 11,476.7	0.9 0.9 0.9	19,206.0 22,554.0 10,329.0
A RAMP B RAMP	DECELERATION LANE ACCELERATION LANE DECELERATION LANE	(E) 165.0 210.0	(m) 8.95 8.95	(m) 13.0 12.0	(m2) 116.35 107.40	(m3) 21,340.0 25,060.0	0.9	COVERTED VOLUME (so: 19,206) 22,554.
A-RAMP B-RAMP C-RAMP	DECELERATION LANE ACCELERATION LANE DECELERATION LANE	(165.0 210.0 165.0	(u) 8.95 8.95 8.95 8.95	(m) 13.0 12.0 7.0	(m2) 116.35 107.40 62.65 71.60	(n3) 21,340.0 25,060.0 11,476.7 16,706.7	0.9 0.9 0.9	COVER TED VOLUME (so 19,206. 22,554. 10,329.
A-RAMP B-RAMP C-RAMP	DECELERATION LANE ACCELERATION LANE DECELERATION LANE	(165.0 210.0 165.0	(m) 8.95 8.95 8.95	(m) 13.0 12.0 7.0	(m2) 116.35 107.40 62.65	(n3) 21,340.0 25,060.0 11,476.7	0.9 0.9 0.9	COVER TED VOLUME (so 19,206. 22,554. 10,329.
A-RAMP B-RAMP C-RAMP	DECELERATION LANE ACCELERATION LANE DECELERATION LANE	(165.0 210.0 165.0	(u) 8.95 8.95 8.95 8.95	(m) 13.0 12.0 7.0	(m2) 116.35 107.40 62.65 71.60	(n3) 21,340.0 25,060.0 11,476.7 16,706.7	0.9 0.9 0.9	COVER TED VOLUME (so 19,206. 22,554. 10,329.
A-RAMP B-RAMP C-RAMP	DECELERATION LANE ACCELERATION LANE DECELERATION LANE	(165.0 210.0 165.0	(u) 8.95 8.95 8.95 8.95	(m) 13.0 12.0 7.0	(m2) 116.35 107.40 62.65 71.60	(n3) 21,340.0 25,060.0 11,476.7 16,706.7	0.9 0.9 0.9	COVER TED VOLUME (so 19,206. 22,554. 10,329.
A-RAMP B-RAMP C-RAMP	DECELERATION LANE ACCELERATION LANE DECELERATION LANE	(165.0 210.0 165.0	(u) 8.95 8.95 8.95 8.95	(m) 13.0 12.0 7.0	(m2) 116.35 107.40 62.65 71.60	(n3) 21,340.0 25,060.0 11,476.7 16,706.7	0.9 0.9 0.9	COVER TED VOLUME (so 19,206. 22,554. 10,329.
A-RAMP B-RAMP C-RAMP	DECELERATION LANE ACCELERATION LANE DECELERATION LANE	(ø) 165.0 210.0 165.0 210.0	(n) 8.95 8.95 8.95 8.95	(m) 13.0 12.0 7.0	(m2) 116.35 107.40 62.65 71.60	(n3) 21,340.0 25,060.0 11,476.7 16,706.7	0.9 0.9 0.9 0.9	COVER TED VOLUME (so 19,206. 22,554. 10,329.
A RAMP B RAMP C RAMP	DECELERATION LANE ACCELERATION LANE DECELERATION LANE	(e) 165.0 210.0 165.0 210.0	(n) 8.95 8.95 8.95 8.95	(m) 13.0 12.0 7.0 8.0	(±2) 116.35 107.40 62.65 71.60	(n3) 21,340.0 25,060.0 11,476.7 16,706.7	0.9 0.9 0.9 0.9	COVER TED VOLUME (so 19,206. 22,554. 10,329.
A RAMP B RAMP C RAMP D RAMP	DECELERATION LANE ACCELERATION LANE DECELERATION LANE ACCELERATION LANE ACCELERATION LANE	(ø) 165.0 210.0 165.0 210.0	(n) 8.95 8.95 8.95 8.95	(m) 13.0 12.0 7.0 8.0	(±2) 116.35 107.40 62.65 71.60	(n3) 21,340.0 25,060.0 11,476.7 16,706.7	0.9 0.9 0.9 0.9	COVER TED VOLUME (an 19,206. 22,554. 10,329.

BASKIKI	EWAY SEGMENT							(
	SECTION(NOSE)	LENGTH (m)	WIDTH (m)	AREA (⊡2)	THICKNESS (m)	YOLUMB (m3)	COEFFICIENT	COVERTED YOUME (m3
I IANE IN	1 DIRECTION		```					
A-RAMP	NO. $2 + 25.0 \sim NO. 4 + 10.0$	185.0	7.00	1,295.0	0.45	582.8	0.9	647.5
B RAMP	NO. $2 + 25.0 \sim NO. 3 + 90.0$	165.0	7.00	1,155.0	0.45	519.8	0.9	577.5
C-RAMP	NO. 1 + 40.0 ~ NO. 3 + 60.0	220.0	7.00	1,540.0	0.45	693.0	0.9	770.0
D-RAMP	NO. 1 + 40.0 ~ NO. 3 + 0.0	160.0	7.00	1,120.0	0.45	504.0	0.9	560.0
	N							
					1.			
2 LANE IN	2 DIRECTION WITH SEPARATION							
A-RAMP	NO. $0 + 0.0 \sim NO. 2 + 25.0$	225.0	14.50	3,262.5	0.45	1,458.1	0.9	1,631.3
C-RAMP	NO. $0 + 0.0 \sim \text{NO.} 1 + 40.0$	140.0	14.50	2,030.0	0.45	913.5	0.9	1,015.0
			1		15 15		and the state of	
TOLL GAT	E ~ CONNECTING POINT (B.D)	19 To 1					V	
			- F	1 1 1				<u> </u>
		7					1	
SUB TOTA	ı.			34 1 2 2				5,201.3
	I. IANGE IANE							5,201.3
		1ENGIH	WIDTH(NOSE)	AREA	THICKNESS	VOLUME	COFFEIGENT	COVERTED
		1ENGIH (11)	WIDTH(NOSE)	AREA (m²)	THICKNESS (a)	VOLUME	COEFFICIENT	COVERTED
			, ,	(m2)	(m)	(m3)		COVERTED VOLUME (m3
SPEED CH	ANGETANE  DECELERATION LANE	(m) 165.0	(m) 8.20	(m2) 676.5	(m) 0.45	(m3) 304.4	0.9	COVERTED VOLUMB (m3
SPEED CH	ANGETANE	(m)	(m) 8.20 8.20	(m2) 676.5 861.0	(n) 0.45 0.45	(m3) 304.4 387.5	0.9	COVERTED VOLUMB (m3 338.3 430.5
SPEED CH A-RAMP	DECELERATION LANE ACCELERATION LANE DECELERATION LANE	(m) 165.0 210.0 165.0	(m) 8.20 8.20 8.20	(m2) 676.5 851.0 676.5	(n) 0.45 0.45 0.45	(m3) 304.4 387.5 304.4	0.9 0.9 0.9	COVERIED VOLUMB (m3 338.3 430.5 338.3
SPEED CH A RAMP B-RAMP	DECELERATION LANE ACCELERATION LANE	(m) 165.0 210.0	(m) 8.20 8.20	(m2) 676.5 861.0	(n) 0.45 0.45	(m3) 304.4 387.5	0.9	5,201.3 COVERTED VOLUMB (m3 338.3 430.5 338.3 430.5
A-RAMP B-RAMP C-RAMP	DECELERATION LANE ACCELERATION LANE DECELERATION LANE	(m) 165.0 210.0 165.0	(m) 8.20 8.20 8.20	(m2) 676.5 851.0 676.5	(n) 0.45 0.45 0.45	(m3) 304.4 387.5 304.4	0.9 0.9 0.9	COVERIED VOLUMB (m2 338.3 430.5 338.3
A-RAMP B-RAMP C-RAMP	DECELERATION LANE ACCELERATION LANE DECELERATION LANE	(m) 165.0 210.0 165.0	(m) 8.20 8.20 8.20	(m2) 676.5 851.0 676.5	(n) 0.45 0.45 0.45	(m3) 304.4 387.5 304.4	0.9 0.9 0.9	COVERIED VOLUMB (m2 338.3 430.5 338.3
A-RAMP B-RAMP C-RAMP	DECELERATION LANE ACCELERATION LANE DECELERATION LANE	(m) 165.0 210.0 165.0	(m) 8.20 8.20 8.20	(m2) 676.5 851.0 676.5	(n) 0.45 0.45 0.45	(m3) 304.4 387.5 304.4	0.9 0.9 0.9	COVERIED VOLUMB (m2 338.3 430.5 338.3
A-RAMP B-RAMP C-RAMP	DECELERATION LANE ACCELERATION LANE DECELERATION LANE	(m) 165.0 210.0 165.0	(m) 8.20 8.20 8.20	(m2) 676.5 851.0 676.5	(n) 0.45 0.45 0.45	(m3) 304.4 387.5 304.4	0.9 0.9 0.9	COVERIED VOLUMB (m2 338.3 430.5 338.3
A-RAMP B-RAMP C-RAMP	DECELERATION LANE ACCELERATION LANE DECELERATION LANE	(m) 165.0 210.0 165.0	(m) 8.20 8.20 8.20	(m2) 676.5 851.0 676.5	(n) 0.45 0.45 0.45	(m3) 304.4 387.5 304.4	0.9 0.9 0.9	COVERIED VOLUMB (m3 338.3 430.5 338.3
A-RAMP B-RAMP C-RAMP	DECELERATION LANE ACCELERATION LANE DECELERATION LANE	(m) 165.0 210.0 165.0	(m) 8.20 8.20 8.20	(m2) 676.5 851.0 676.5	(n) 0.45 0.45 0.45	(m3) 304.4 387.5 304.4	0.9 0.9 0.9	COVERIED VOLUMB (m2 338.3 430.5 338.3
A-RAMP B-RAMP C-RAMP	DECELERATION LANE ACCELERATION LANE DECELERATION LANE	(m) 165.0 210.0 165.0	(m) 8.20 8.20 8.20	(m2) 676.5 851.0 676.5	(n) 0.45 0.45 0.45	(m3) 304.4 387.5 304.4	0.9 0.9 0.9	COVERIED VOLUMB (m: 338. 430.: 338.
A-RAMP B-RAMP C-RAMP	DECELERATION LANE ACCELERATION LANE DECELERATION LANE	(m) 165.0 210.0 165.0 210.0	(m) 8.20 8.20 8.20	(m2) 676.5 851.0 676.5	(n) 0.45 0.45 0.45	(m3) 304.4 387.5 304.4	0.9 0.9 0.9	COVERTED YOLUMB (63 338.3 430.5 430.5
A RAMP B-RAMP C-RAMP	DECELERATION LANE ACCELERATION LANE DECELERATION LANE ACCELERATION LANE ACCELERATION LANE	(m) 165.0 210.0 165.0 210.0	(m) 8.20 8.20 8.20	(m2) 676.5 851.0 676.5	(n) 0.45 0.45 0.45	(m3) 304.4 387.5 304.4	0.9 0.9 0.9	COVERIED VOLUMB (m3 338.3 430.5 338.3

GRAND TOTAL	(m)
(A)-(B)=	206,675.0

#### (INTERCHANGE & JUNCTION) Tab.A.1.13.7 Quantities of Earth Works

#### (7) JUNCIION AT COLOMBO KATUNAYAKE EXPRESSWAY-2

DADICIN	EEWAY SEGMENT					UOVER		colmpany
*	SECTION(NOSE)	LENGTH	WIDTH	H.SVA	AVE.AREA	VOLUME	COEFFICIENT	COVERTED
		(m)	(m)	(m)	(m2)	(m3)		VOLUME (m
	1 DIRECTION				410.55	22 424 4		
	NO. 20 + 14.0 ~ NO. 29 + 5.0	171.0	8.50	9.2	230.55	39,424.4	0.9	43,804
	NO. 3 + 15.0 ~ NO. 15 + 8.0	233.0	8.50	7.8	175.81	40,961.2	0.9	45,515
	NO. 20 + 14.0 ~ NO. 26 + 15.0	121.0	8.50	9.4	238.95	28,912.7	0.9	32,125
D-RAMP	NO. $3 + 15.0 \sim NO. 16 + 7.0$	252.0	8.50	9.3	234.73	59,152.5	0.9	65,725
	2 DIRECTION WITH SEPARATION							
C-RAMP	NO. $3 + 15.0 \sim NO. 20 + 14.0$	339.0	1600	5.3	135.36	45,887.7	0.9	50,986
						· .		
	TE ~ CONNECTING POINT (B,D)							
D-RAMP	NO. $0 + 25.3 \sim NO. 3 + 15.0$	49.7	27.00	4.5	157.95	7,850.1	0.9	8,722
					<u> </u>	13 - 10 - 1 - 1 - 1 - 1		
SUB TOTA								246,879
CLUCK CA	LANGE LANE		5.50 4.60 (1996)				and the second second	4.0
SLECT CI	REIOPEREID							
	ELIOD ENTID		WIDTH(NOSE)	некнг	AVE AREA	VOLUME	COEFFICIENT	
SPEED CI	24VOD 24VD	LENGIN (111)	WIDTH(NOSE) (m)	(m)	AVEAREA (m2)	VOLUMB (m3)	COEFFICIENT	COVERTED VOLUMB (m:
		(a)	(m)	(m)	(m2)	(ന3)		VOLUMB (m
A-RAMP	DECELERATION LANE	(a) 165.0	(m) 8.95	(m) 9.0	(m2) 40.28	(m3) 6,645.4	0.9	VOLUMB (m. 7,383
A-RAMP B-RAMP	DECELERATION LANE ACCELERATION LANE	(a) 165.0 210.0	(m) 8.95 8.95	9.0 9.0	(m2) 40.28 40.28	(m3) 6,645.4 8,457.8	0.9	7,383 9,397
A-RAMP B-RAMP C-RAMP	DECELERATION LANE ACCELERATION LANE ACCELERATION LANE	(a) 165.0 210.0 210.0	(m) 8.95 8.95 8.95	9.0 9.0 9.0 13.0	(cr2) 40.28 40.28 58.18	6,645.4 8,457.8 12,216.8	0.9 0.9	7,383 9,397 13,574
A-RAMP B-RAMP	DECELERATION LANE ACCELERATION LANE	(a) 165.0 210.0	(m) 8.95 8.95	9.0 9.0	(m2) 40.28 40.28	(m3) 6,645.4 8,457.8	0.9	7,383 9,397
A-RAMP B-RAMP C-RAMP	DECELERATION LANE ACCELERATION LANE ACCELERATION LANE	(a) 165.0 210.0 210.0	(m) 8.95 8.95 8.95	9.0 9.0 9.0 13.0	(cr2) 40.28 40.28 58.18	6,645.4 8,457.8 12,216.8	0.9 0.9	7,383 9,397 13,574
A-RAMP B-RAMP C-RAMP	DECELERATION LANE ACCELERATION LANE ACCELERATION LANE	(a) 165.0 210.0 210.0	(m) 8.95 8.95 8.95	9.0 9.0 9.0 13.0	(cr2) 40.28 40.28 58.18	6,645.4 8,457.8 12,216.8	0.9 0.9	7,383 9,397 13,574
A-RAMP B-RAMP C-RAMP	DECELERATION LANE ACCELERATION LANE ACCELERATION LANE	(a) 165.0 210.0 210.0 165.0	(m) 8.95 8.95 8.95	(m) 9.0 9.0 13.0 8.0	(cr2) 40.28 40.28 58.18 35.80	6,645.4 8,457.8 12,216.8	0.9 0.9	7,383 9,397 13,574
A RAMP B RAMP C RAMP D RAMP	DECELERATION LANE ACCELERATION LANE ACCELERATION LANE	(a) 165.0 210.0 210.0	(m) 8.95 8.95 8.95	9.0 9.0 9.0 13.0	(cr2) 40.28 40.28 58.18	6,645.4 8,457.8 12,216.8	0.9 0.9	7,383 9,397 13,574
A RAMP B RAMP C RAMP D RAMP	DECELERATION LANE ACCELERATION LANE ACCELERATION LANE	(a) 165.0 210.0 210.0 165.0	(n) 8.95 8.95 8.95 8.95	(m) 9.0 9.0 13.0 8.0	(cr2) 40.28 40.28 58.18 35.80	6,645.4 8,457.8 12,216.8	0.9 0.9	7,383 9,397 13,574
A-RAMP B-RAMP C-RAMP D-RAMP	DECELERATION LANE ACCELERATION LANE ACCELERATION LANE	(a) 165.0 210.0 210.0 165.0	(m) 8.95 8.95 8.95	(m) 9.0 9.0 13.0 8.0	(cr2) 40.28 40.28 58.18 35.80	6,645.4 8,457.8 12,216.8	0.9 0.9 0.9 0.9	7,383 9,397 13,574
A-RAMP B-RAMP C-RAMP D-RAMP	DECELERATION LANE ACCELERATION LANE ACCELERATION LANE	(a) 165.0 210.0 210.0 165.0	(n) 8.95 8.95 8.95 8.95	(m) 9.0 9.0 13.0 8.0	(cr2) 40.28 40.28 58.18 35.80	6,645.4 8,457.8 12,216.8	0.9 0.9	7,383 9,397 13,574
A.RAMP B.RAMP C.RAMP D.RAMP	DECELERATION LANE ACCELERATION LANE ACCELERATION LANE DECELERATION LANE	(a) 165.0 210.0 210.0 165.0	(n) 8.95 8.95 8.95 8.95	(m) 9.0 9.0 13.0 8.0	(cr2) 40.28 40.28 58.18 35.80	6,645.4 8,457.8 12,216.8	0.9 0.9 0.9 0.9	VOLUMB (m 7,383 9,397 13,574 6,563
A.RAMP B.RAMP C.RAMP D.RAMP	DECELERATION LANE ACCELERATION LANE ACCELERATION LANE DECELERATION LANE	(a) 165.0 210.0 210.0 165.0	(n) 8.95 8.95 8.95 8.95	(m) 9.0 9.0 13.0 8.0	(cr2) 40.28 40.28 58.18 35.80	(m3) 6,645.4 8,457.8 12,216.8 5,007.0	0.9 0.9 0.9 0.9	7,383 9,397 13,574 6,563
A-RAMP B-RAMP C-RAMP D-RAMP	DECELERATION LANE ACCELERATION LANE ACCELERATION LANE DECELERATION LANE	(a) 165.0 210.0 210.0 165.0	(n) 8.95 8.95 8.95 8.95	(m) 9.0 9.0 13.0 8.0	(cr2) 40.28 40.28 58.18 35.80	(m3) 6,645.4 8,457.8 12,216.8 5,007.0	0.9 0.9 0.9 0.9	VOLUMB (m 7,383 9,397 13,574 6,563

IBANIC FR	EEWAY SEGMENT		1 2 2 2 2 2					
		LENGTH	WIDTH	AREA	THICKNESS	VOLUMB	COEFFICIENT	COVERTED
W. C. 16	SECTION(NOSE)	(m)	(m)	(m2)	(m)	(m3)	COEFFCENT	VOLUMB (m3)
1 LANE IN	N 1 DIRECTION	- :	· . •.					
A-RAMP	NO. $20 + 14.0 \sim NO. 29 + 5.0$	171.0	7.00	1,197.0	0.45	538.7	0.9	598.5
B-RAMP	NO. 3 + 15.0 ~ NO. 15 + 8.0	233.0	7.00	1,631.0	0.45	734.0	0.9	815.5
C-RAMP	NO. 20 + 14.0 ~ NO. 26 + 15.0	121.0	7.00	847.0	0.45	381.2	0.9	
D-RAMP	NO. $3 + 15.0 \sim NO. 16 + 7.0$	252.0	7.00	1,764.0	0.45	793.8	0.9	882.0
1 44				1 1 1				
2 LANB IN	12 DIRECTION WITH SEPARATION							L
C-RAMP	NO. 3 + 15.0 ~ NO. 20 + 14.0	339.0	14.50	4,915.5	0.45	2,212.0	0.9	2,457.8
					1		<u> </u>	<u> </u>
	TE ~ CONNECTING POINT (B,D)	1					*	
C-RAMP	NO. $0 + 25.3 \sim NO. 3 + 15.0$	49.7	25.50	1,267.4	0.45	570.3	0.9	633.7
100	3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A Section	1 2 2 2				25 3 2 2 2	
SUB TOTA	AL.				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			5,810.9
SPEED CI	LANGE LANE	Fig. 4. Arts		18 19				
1		LENGTH	WIDTH(NOSE)	AREA	THICKNESS	VOLUME	COFFEIGENG	COVERTED
1.4		LENGIH (m)	WIDTH(NOSE) (m)	AREA (m2)	THECKNESS (m)	VOLUME (m3)	COEFFICIENT	COVERTED VOLUME (m3)
		(m)	(m)	(m2)	(m)	(m3)		VOLUME (m3)
A-RAMP	DECELERATION LANE	(m) 165.0	(m) 8.20	(m2) 676.5	(m) 0.45	(m3) 304.4	0.9	VOLUME (m3) 338.3
B-RAMP	DECELERATION LANE ACCELERATION LANE	(m) 165.0 210.0	(m) 8.20 8.20	(m2) 676.5 861.0	(m) 0.45 0.45	(m3) 304.4 387.5	0.9 0.9	VOLUME (m3) 338.3 430.5
B-RAMP C-RAMP	DECELERATION LANE ACCELERATION LANE ACCELERATION LANE	(m) 165.0 210.0 210.0	(n) 8.20 8.20 8.20	(m2) 676.5 861.0	(m) 0.45 0.45 0.45	(m3) 304.4 387.5 387.5	0.9 0.9	338.3 430.5 430.5
B-RAMP	DECELERATION LANE ACCELERATION LANE	(m) 165.0 210.0	(m) 8.20 8.20	(m2) 676.5 861.0	(m) 0.45 0.45	(m3) 304.4 387.5	0.9 0.9	338.3 430.5 430.5
B-RAMP C-RAMP	DECELERATION LANE ACCELERATION LANE ACCELERATION LANE	(m) 165.0 210.0 210.0	(n) 8.20 8.20 8.20	(m2) 676.5 861.0	(m) 0.45 0.45 0.45	(m3) 304.4 387.5 387.5	0.9 0.9	338.3 430.5 430.5
B-RAMP C-RAMP	DECELERATION LANE ACCELERATION LANE ACCELERATION LANE	(m) 165.0 210.0 210.0	(n) 8.20 8.20 8.20	(m2) 676.5 861.0	(m) 0.45 0.45 0.45	(m3) 304.4 387.5 387.5	0.9 0.9	338.3 430.5 430.5
B-RAMP C-RAMP	DECELERATION LANE ACCELERATION LANE ACCELERATION LANE	(m) 165.0 210.0 210.0	(n) 8.20 8.20 8.20	(m2) 676.5 861.0	(m) 0.45 0.45 0.45	(m3) 304.4 387.5 387.5	0.9 0.9	338.3 430.5 430.5
B-RAMP C-RAMP	DECELERATION LANE ACCELERATION LANE ACCELERATION LANE	(m) 165.0 210.0 210.0	(n) 8.20 8.20 8.20	(m2) 676.5 861.0	(m) 0.45 0.45 0.45	(m3) 304.4 387.5 387.5	0.9 0.9	338.3 430.5 430.5
B-RAMP C-RAMP D-RAMP	DECELERATION LANE ACCELERATION LANE ACCELERATION LANE	(m) 165.0 210.0 210.0	(n) 8.20 8.20 8.20	(m2) 676.5 861.0	(m) 0.45 0.45 0.45	(m3) 304.4 387.5 387.5	0.9 0.9	338.3 430.5 430.5
B-RAMP C-RAMP D-RAMP	DECELERATION LANE ACCELERATION LANE ACCELERATION LANE	(m) 165.0 210.0 210.0	(n) 8.20 8.20 8.20	(m2) 676.5 861.0	(m) 0.45 0.45 0.45	(m3) 304.4 387.5 387.5	0.9 0.9	338.3 430.5 430.5
B-RAMP C-RAMP D-RAMP	DECELERATION LANE ACCELERATION LANE ACCELERATION LANE	(m) 165.0 210.0 210.0	(n) 8.20 8.20 8.20	(m2) 676.5 861.0	(m) 0.45 0.45 0.45	(m3) 304.4 387.5 387.5	0.9 0.9	338.3 430.5 430.5
B RAMP CRAMP D-RAMP	DECELERATION LANE ACCELERATION LANE ACCELERATION LANE DECELERATION LANE	(m) 165.0 210.0 210.0	(n) 8.20 8.20 8.20	(m2) 676.5 861.0	(m) 0.45 0.45 0.45	(m3) 304.4 387.5 387.5	0.9 0.9	VOLUME (m3) 338.3 430.5 430.5 338.3
B.RAMP C.RAMP D.RAMP	DECELERATION LANE ACCELERATION LANE ACCELERATION LANE DECELERATION LANE	(m) 165.0 210.0 210.0	(n) 8.20 8.20 8.20	(m2) 676.5 861.0	(m) 0.45 0.45 0.45	(m3) 304.4 387.5 387.5	0.9 0.9	338.3 430.5 430.5

<ul> <li>GRAND TOTAL</li> </ul>	(m³)
(A)-(B)=	276,449.9

## (INTERCHANGE & JUNCTION) Tab.A.1.13.8 Quantities of Earth Works

## (8)INTERCHANGE AT ROAD A3 <EMBANKMENT>

	EWAY SEGMENT						***************************************	
	SECTION(NOSE)	LENGTH (m)	WIDTH (m)	AVE H (m)	AVE.AREA (m2)	VOLUME (m3)	COEFFICIENT	COVERTED VOLUME (m3)
DIAMOND		T						
A RAMP	NO. 0 + 0.0 ~ NO. 12 + 0.	240.0	8.75	4.0	35.00	8,400.0	0.9	9,333.3
B-RAMP	NO. 0 + 0.0 ~ NO. 10 + 8	208.0	8.75	4.0	35.00	7,280.0	0.9	8,088.9
						` .	· · · · · · · · · · · · · · · · · · ·	
ROOP			1					
CRAMP	NO. 0 + 0.0 ~ NO. 16 + 14	334.0	8.50	4.0	62.80	20,975.2	0.9	23,305.8
SUB TOTA	L							40,728.0
SPEED CH	ANGE LANE	-			1.1	- 1 N. 1		
		LENGIH (m)	WIDTH(NOSE) (m)	HEIGHT (m)	AVE AREA (m2)	VOLUMB (m3)	COEFFICIENT	COVERTED VOLUME (m3)
DIAMOND						1 1 1 1 1 1 1		
A-RAMP	ACCELERATION LANE	210.0	8.95	8.0	35.80	7,518.0	0.9	8,353.3
B-RAMP	DECELERATION LANE	165.0	8.95	8.0	35.30	5,907.0	0.9	6,563.3
ROOP								31 St. 7 1
C-RAMP	DECELERATION LANE	165.0	8.95	8.0	35.80	5,907.0	0.9	6,563.3
SUB TOTA	L							21,480.0
TOTAL	the second second second						(A)	62,208.0

BASIC FRI	EEWAY SEGMENT		and the second	with the second	graduate to the control of the contr	The second second		200	
	SECTION(NOSE)		LENGIH (m)	WIDIH (2)	ARPA (m2)	THICKNESS (m)	VOLUME (m3)	COEFFICIENT	COVERTED YOLUMB (m3)
DIAMOND	and the second second		-	44.4			4.44	18 18 No. 18	19 2 19 1
A-RAMP	NO. $0 + 0.0 \sim \text{NO.} 12 +$	0.0	240.0	7.00	1,680.0	0.45	756.0	0.9	810.0
B-RAMP	NO. $0 + 0.0 \sim NO. 10 +$	8.0	208.0	7.00	1,456.0	0.45	655.2	0.9	728.0
1.5			144			4.7	14.50	1 1 1 1	and the second
ROOP			100000000000000000000000000000000000000		1 175 1	1000		A 1 1 1 1 1 1 1	4 - 25 - 3
CRAMP	NO. 0 + 0.0 ~ NO. 16 +	14.0	334.0	7.00	2,338.0	0.45	1,052.1	0.9	1,169.0
SUB TOTA	AL .			1000		programme to the transfer	s de la	And the second	2,737.0
	AL IANGE LANE					ria e in distribuit. Serveti i serveti i e	n en		2,737.0
			LENGTH (m)	WIDTH(NOSE)	AREA (m2)	THOCKNESS (m)	VOLUME	COEFFICIENT	2,737.0 COVERTED VOLUME (m3)
	IANGE LANE			1				COEFFICIENT	COVERTED
SPEED CH	IANGE LANE			1				COEFFICIENT	COVERTED
SPEED CH DIAMOND A-RAMP	IANGE LANE		(m)	(m)	(m2)	(m)	(m3)		COVERTED VOLUME (m3)
SPEED CH DIAMOND A-RAMP	IANGE LANE  ACCELERATION LANE		(m) 210.0	(m) 8.20	(m2) 861.0	(m) 0.45	(m3) 387.5	0.9	COVERTED VOLUMB (m3) 430.5
SPEED CH	IANGE LANE  ACCELERATION LANE		(m) 210.0	(m) 8.20	(m2) 861.0 676.5	(m) 0.45	(m3) 387.5	0.9	COVERTED VOLUMB (m3) 430.5
SPEED CH DIAMOND A-RAMP B-RAMP	IANGE LANE  ACCELERATION LANE		(m) 210.0	(m) 8.20	(m2) 861.0 676.5	(n) 0.45 0.45	(m3) 387.5	0.9	COVERTED VOLUMB (m3) 430.5
SPEED CH DIAMOND A-RAMP B-RAMP	ACCELERATION LANE DECELERATION LANE DECELERATION LANE		(m) 210.0 165.0	(ni) 8.20 8.20	(m2) 861.0 676.5	(n) 0.45 0.45	(m3) 387.5 304.4	0.9	COVERTED VOLUME (m3) 430.5 338.3

GRAND TOTAL	(m3)
(A)-(B)=	58,364.0

#### (INTERCHANGE & JUNCTION) Tab.A.1.13.9 Quantities of Earth Works

## (9)JUNCTION AT SOUTHERN HIGHWAY <EMBANKMENT>

BASIC FR		LENGIH	WIDTH	AVE.II	AVE AREA	VOLUME	200000	COVERTED
	SECTION(NOSE)	(m)	(m)	(m)	(m2)	(m3)	COEFFICIENT	VOLUMB (m3
LANEIN	1 DIRECTION							
	NO. 7 + 13.0 ~ NO. 19 + 18.0	245.0	8.50	4.5	74.70	18,301.5	0.9	20,335
A-RAMP	NO. 22 + 5.0 ~ NO. 37 + 15.0	310.0	8.50	4.5	74.70	23,157.0	0.9	25,730
B-RAMP	NO. 12 + 5.0 ~ NO. 24 + 0.0	235.0	8.50	3.5	51.80	12,173.0	0.9	13,525.
C-RAMP	NO. 12 + 5.0 ~ NO. 19 + 16.0	151.0	8.50	6.5	131.30	19,826.3	0.9	22,029
C-RAMP	NO. 24 + 6.0 ~ NO. 42 + 8.0	362.0	8.50	4.0	62.80	22,733.6	0.9	25,259.
D-RAMP	NO. 7 + 13.0 ~ NO. 25 + 13.0	360.0	8.50	1.0	10.30	3,708.0	0.9	4,120.
,		T						
LANEIN	12 DIRECTION WITH SEPARATION			4.7				- 1
C-RAMP			12.25	3.5	64.93	15,906.6	0.9	17,674.
D-RAMP	NO. $0 + 0.0 \sim \text{NO.} 7 + 13.0$	153.0	12.25	2.0	31.70	4,850.1	0.9	5,389.
SUB TOTA	AL .	111						134,062.
	AL IANGE I ANE							
		LENGTH	WIDTH(NOSE)	IEIGHT	AVE AREA	VOLUME	CORFESCIONI	COVERTED
		LENGTH (m)	WIDTH(NOSE)	(m) HEIGHT	AVE.AREA (1122)	VOLUME (m3)	COEFFICIENT	COVERTED
SPEED CI	IANGE LANE	(m)	(m)	(m)	(m2)	(m3)		VOLUME (m3)
SPEED CI	IANGE LANE  DECELERATION LANE	(m) 165.0	(m) 8.95	(m) 2.0	(m2) 8.95	(m³) 1,476.8	0.9	COVERTED VOLUME (m3
SPEED CI	IANGE LANE	(m)	(m)	(n) 20 20	(m2)	(m3)		COVERTED
SPEED CI	IANGE LANE  DECELERATION LANE	(m) 165.0	(m) 8.95	(m) 20 20	(m2) 8.95	(m³) 1,476.8	0.9	COVERTED VOLUME (m3
SPEED CI A RAMP B RAMP	IANGE LANE  DECELERATION LANE	(m) 165.0	(m) 8.95	(n) 20 20	(m2) 8.95	(m³) 1,476.8	0.9	COVERTED VOLUME (m3
A RAMP B RAMP	DECELERATION LANE ACCELERATION LANE	(m) 165.0	(m) 8.95	(m) 20 20	(m2) 8.95	(m³) 1,476.8	0.9	COVERTED VOLUME (m3
A RAMP B-RAMP	DECELERATION LANE ACCELERATION LANE	(m) 165.0	(m) 8.95	(m) 20 20	(m2) 8.95	(m³) 1,476.8	0.9	COVERTED VOLUME (m3
SPEED CI A RAMP B-RAMP	DECELERATION LANE ACCELERATION LANE	(m) 165.0	(m) 8.95	(m) 20 20	(m2) 8.95	(m³) 1,476.8	0.9	COVERTED VOLUME (m3
SPEED CI A RAMP B-RAMP	DECELERATION LANE ACCELERATION LANE	(m) 165.0	(m) 8.95	(m) 20 20	(m2) 8.95	(m³) 1,476.8	0.9	COVERTED VOLUME (m3
SPEED CI A RAMP B-RAMP	DECELERATION LANE ACCELERATION LANE	(m) 165.0	(m) 8.95	(m) 20 20	(m2) 8.95	(m³) 1,476.8	0.9	COVERTED VOLUMB (m3
SPEED CI A RAMP B RAMP	DECELERATION LANE ACCELERATION LANE	(m) 165.0	(m) 8.95	(m) 20 20	(m2) 8.95	(m³) 1,476.8	0.9	COVERTED VOLUME (m3

PAVEMENT PART

ひんいしけ	REEWAY SEGMENT							Programme a
12.1	SECTION(NOSE)	LENGTH	WIDTH	AREA	THICKNESS	SMUJOY	COEFFICIENT	COVERTED
1.5	SECTION(NOSE)	(m)	(m)	(m2)	(m)	(m3)	COLITAILIN	VOLUMB (@3
LANE	N 1 DIRECTION							
A-RAMP	NO. 7 + 13.0 ~ NO. 19 + 18.0	245.0	7.00	1,715.0	0.45	7718	0.9	857.
A-RAMP	NO. 22 + 5.0 ~ NO. 37 + 15.0	310.0	7.00	2,170.0	0.45	976.5	0.9	1,085.
B-RAMP	NO. 12 + 5.0 ~ NO. 24 + 0.0	235 0	7.00	1,645.0	0.45	740.3	0.9	822
C-RAMP		1510	7.00	1,057.0	0.45	475.7	0.9	528
	NO. 24 + 60 ~ NO. 42 + 80	362.0	7.00	2,534.0	0.45	1,140.3	0.9	1,267.
D-RAMP	NO. $7 + 13.0 \sim NO. 25 + 13.0$	360.0	7.00	2,520.0	0.45	1,134.0	0.9	1,260
7 7 7								
	N I DIRECTION	11 11	l1					
C-RAMP		245.0	10.75	2,633.8	0.45	1,185.2	0.9	1,316.
C-RAMP	NO. $0 + 0.0 \sim NO. 7 + 13.0$	153.0	10.75	1,644.8	0.45	740.1	0.9	822
						en nig 18 Tayl et 2020 anna		<u>L</u>
SUB TOT	AL	7 3.		.31.4		*	14.00	7,959.
SPEED C	HANGE LANE							
SPEED C	HANGE LANE	LENOTH	WIDTH(NOSE)	AREA	THECKNESS	VOLUME	COEFFICIENT	COVERTED
- 1	HANGE LANE	LENOTH (m)	(m) (m)	AREA (m2)	1HICKNESS (m)	VOLUMB (m3)	COEFFICIENT	
		<u>(m)</u>	(m)	(m2)	(m)	(m3)		VOLUMВ (m3
A-RAMP	DECELERATION LANB	(m) 165.0	(m) 8.20	(m2) 676.5	(m) 0.45	(m3) 304.4	0.9	VOLUMB (m3 338.
		<u>(m)</u>	(m)	(m2)	(m)	(m3)		VOLUMВ (m3
1-RAMP	DECELERATION LANB	(m) 165.0 210.0	(m) 8.20	(m2) 676.5	(m) 0.45	(m3) 304.4	0.9	VOLUMB (m3
A-RAMP	DECELERATION LANB	(m) 165.0	(m) 8.20	(m2) 676.5	(m) 0.45	(m3) 304.4	0.9	VOLUMB (m3
A-RAMP B-RAMP	DECELERATION LANB	(m) 165.0 210.0	(m) 8.20	(m2) 676.5	(m) 0.45	(m3) 304.4	0.9	VOLUMB (m3
1-RAMP	DECELERATION LANE ACCELERATION LANE	(m) 165.0 210.0	(m) 8.20	(m2) 676.5	(m) 0.45	(m3) 304.4	0.9	VOLUMB (m3 338
A-RAMP B-RAMP	DECELERATION LANB	(m) 165.0 210.0	(m) 8.20	(m2) 676.5	(m) 0.45	(m3) 304.4	0.9	VOLUMB (m3 338
A-RAMP B-RAMP	DECELERATION LANE ACCELERATION LANE	(m) 165.0 210.0	(m) 8.20	(m2) 676.5 861.0	(m) 0.45	(m3) 304.4	0.9	VOLUMB (m3 338
A-RAMP B-RAMP	DECELERATION LANE ACCELERATION LANE	(m) 165.0 210.0	(m) 8.20	(m2) 676.5	(m) 0.45	(m3) 304.4	0.9	VOLUMB (m3
A RAMP	DECELERATION LANE ACCELERATION LANE	(m) 165.0 210.0	(m) 8.20	(m2) 676.5 861.0	(m) 0.45	(m3) 304.4	0.9	VOLUMB (m3 338. 430
A-RAMP 3-RAMP	DECELERATION LANE ACCELERATION LANE	(m) 165.0 210.0	(m) 8.20	(m2) 676.5 861.0	(m) 0.45	(m3) 304.4 387.5	0.9	VOLUMB (m3 338.

GRAND TOTAL	(in3)
(A)-(B)=	129,063.0

#### (INTERCHANGE & JUNCTION) Tab.A.1.13.10 Quantitles of Earth Works

# (\*)JUNCTION AT COLOMBO KATUNAYAKE EXPRESSWAY-1 <EMBANKMENT>

T Of Care	EWAY SEGMENT	LENGTH	WIDTH T	AVEIL	AVEAREA	VOLUME		COVERTED
	SECHON(NOSE)	(m)	(m)	(m)	(m2)	(m3)	COEFFICIENT	VOLUME (m:
LANEIN	1 DIRECTION				3.1			
-RAMP	NO. 23 + 0.0 ~ NO. 29 + 4.0	124.0	8.50	3.0	41.70	5,170.8	0.9	5,745
RAMP	NO. 4 + 80 ~ NO. 16 + 0.0	2320	8.50	4.4	72.25	16,761.5	0.9	18,623
RAMP	NO. 23 + 0.0 ~ NO. 28 + 16.0	76.0	8.50	3.0	41.70	3,169.2	0.9	3,521
-RAMP	NO. $4 + 8.0 \sim NO. 17 + 13.0$	265.0	8.50	4.3	69.83	18,505.5	0.9	20,561
								·
LANEIN	2 DIRECTION WITH SEPARATION							
CRAMP	NO. 4 + 8.0 ~ NO. 10 + 13.0	125.0	16.00	7.8	234.31	29,289.0	0.9	
CRAMP	NO. 12 + 13.0 ~ NO. 23 + 0.0	207.0	16.00	6.3	172.24	35,654.1	0.9	39,615
TOLL GAT	E ~ CONNECTING FOINT (B,D)		197			10000		
CRAMP	NO. 0 + -25.3 ~ NO. 4 + 8.0	113.3	27.00	4.3	149.38	16,925.0	0.9	18,805
OLL GAT	E	80.0	50.00	1.5	75.00	6,000.0	0.9	6,666
								- 1 4 5 5 5
· F. T	L state of the sta	and the second	The track of	Constitution (199	e te la		1	146,083
SUB TOTA	ANGBIANE	nakan salah di salah			e de la			11.1
SUB TOTA		LENGTH	WIDTH(NOSE)	некит	AVE AREA	VOLUMB	COEFFICIENT	COVERTED
SUB TOTA		LENGTH (m)	WIDTH(NOSE)	некит	AVE AREA (m2)	VOLUMB (m3)	COEFFICIENT	COVERTED
SUB TOTA		and the second second	(m)	<u>(m)</u>	(m2)	(m3)	COEFFICIENT	COVERTED VOLUMB (m.
SUB TOTA SPEED CH		and the second second	(m) 8.95	(m) 20	(m2) 8.95	(m3) 1,476.8	0.9	COVERTED VOLUMB (m. 1,640
SUB TOTA SPEED CH A-RAMP	ANGE I ANE	(m)	(m) 8.95 8.95	(m) 2.0 2.0	(m2) 8.95 8.95	(m3) 1,476.8 1,879.5	0.9 0.9	COVERTED VOLUMB (m. 1,640 2,083
SUB TOTA	ANGETANE  DECELERATION LANE	(m) 165.0	8.95 8.95 8.95	(m) 20 20 20	(m2) 8.95 8.95 8.95	(m3) 1,476.8 1,879.5 1,879.5	0.9 0.9 0.9	146,083 COVERTED VOLUMB (m2 1,640 2,088 2,088
SUB TOTA SPEED CH A-RAMP B-RAMP	ANGETANE  DECELERATION LANE ACCELERATION LANE	(m) 165.0 210.0	(m) 8.95 8.95	(m) 2.0 2.0	(m2) 8.95 8.95	(m3) 1,476.8 1,879.5	0.9 0.9	COVERTED VOLUMB (m. 1,640 2,083
SUB TOTA SPEED CH A-RAMP B-RAMP C-RAMP	ANGE LANE  DECELERATION LANE  ACCELERATION LANE  ACCELERATION LANE	(m) 165.0 210.0 210.0	8.95 8.95 8.95	(m) 20 20 20	(m2) 8.95 8.95 8.95	(m3) 1,476.8 1,879.5 1,879.5	0.9 0.9 0.9	COVERTED VOLUMB (m. 1,640 2,083 2,088
SUB TOTA SPEED CH A-RAMP B-RAMP C-RAMP	ANGE LANE  DECELERATION LANE  ACCELERATION LANE  ACCELERATION LANE	(m) 165.0 210.0 210.0	8.95 8.95 8.95	(m) 20 20 20	(m2) 8.95 8.95 8.95 6.71	(m3) 1,476.8 1,879.5 1,879.5	0.9 0.9 0.9	COVERTED VOLUMB (m. 1,640 2,083 2,088
A RAMP B RAMP C RAMP	ANGE LANE  DECELERATION LANE  ACCELERATION LANE  ACCELERATION LANE	(m) 165.0 210.0 210.0	8.95 8.95 8.95	(m) 20 20 20	(m2) 8.95 8.95 8.95	(m3) 1,476.8 1,879.5 1,879.5	0.9 0.9 0.9	COVERTED YOLUMB (m 1,640 2,088 2,088
A RAMP B RAMP C RAMP	ANGE LANE  DECELERATION LANE  ACCELERATION LANE  ACCELERATION LANE	(m) 165.0 210.0 210.0	8.95 8.95 8.95	(m) 20 20 20	(m2) 8.95 8.95 8.95 6.71	(m3) 1,476.8 1,879.5 1,879.5 1,107.6	0.9 0.9 0.9	COVERTED YOLLMB (m 1,640 2,083 2,088 1,230
SUB TOTA SPEED CH A-RAMP B-RAMP C-RAMP	ANGE LANE  DECELERATION LANE  ACCELERATION LANE  ACCELERATION LANE	(m) 165.0 210.0 210.0	8.95 8.95 8.95	(m) 20 20 20 1.5	(m2) 8.95 8.95 8.95 6.71	(m3) 1,476.8 1,879.5 1,879.5	0.9 0.9 0.9 0.9	COVERTED YOLLMB (m 1,640 2,083 2,088 1,230
SUB TOTA SPEED CH A-RAMP B-RAMP C-RAMP	ANGE LANE  DECELERATION LANE  ACCELERATION LANE  ACCELERATION LANE	(m) 165.0 210.0 210.0	8.95 8.95 8.95	(m) 20 20 20 1.5	(m2) 8.95 8.95 8.95 6.71	(m3) 1,476.8 1,879.5 1,879.5 1,107.6	0.9 0.9 0.9 0.9	COVERTED YOUNG (no. 1,640 2,088 2,088 1,230
A RAMP B RAMP C RAMP	ANGE LANE  DECELERATION LANE  ACCELERATION LANE  ACCELERATION LANE	(m) 165.0 210.0 210.0	8.95 8.95 8.95	(m) 20 20 20 1.5	(m2) 8.95 8.95 8.95 6.71	(m3) 1,476.8 1,879.5 1,879.5 1,107.6	0.9 0.9 0.9 0.9	COVERTED YOLLMB (m 1,640 2,083 2,088 1,230
UB TOTA PEED CH A-RAMP 3-RAMP C-RAMP D-RAMP	ANGE LANE  DECELERATION LANE  ACCELERATION LANE  ACCELERATION LANE	(m) 165.0 210.0 210.0	8.95 8.95 8.95	(m) 20 20 20 1.5	(m2) 8.95 8.95 8.95 6.71	(m3) 1,476.8 1,879.5 1,879.5 1,107.6	0.9 0.9 0.9 0.9	COVERTED YOUNG (no. 1,640 2,088 2,088 1,230

PAVEMENT PART

BASIC FREEWAY SEGMENT	<u> 18 18 18 18 18 18 18 18 18 18 18 18 18 </u>						
SECTION(NOSE)	LENGTH	WIDTH	AREA	THICKNESS	VOLUMB	COEFFICIENT	COVERTED
becaution(note)	(m)	(m)	(m2)	(3)	(m3)		VOLUMB (m3)
LANE IN 1 DIRECTION			2 1 3 3				
A-RAMP NO. 23 + 0.0 $\sim$ NO. 29 + 4	0 124.0	7.00	868.0	0.45	390.6	0.9	
B-RAMP NO. 4 + 8.0 ~ NO. 16 + 0	0 232.0	7.00	1,624.0	0.45	730.8	0.9	
C-RAMP NO. 23 + 0.0 ~ NO. 28 + 16	0 116.0	7.00	812.0	0.45	365.4	0.9	406.0
D-RAMP NO. 4 + 80 ~ NO. 17 + 13	0 265.0	7.00	1,855.0	0.45	834.8	0.9	927.5
the state of the s		1.74	1	8 1 1 1 1 1 1 1		1 + 1 - 1	
					C	5 pt - 3	
2 LANE IN 2 DIRECTION WITH SEPARATION	₹ I	1 1	*				1 10 10 10 10
CRAMP NO. 4 + 80 ~ NO. 10 + 13	0 125.0	14.50	1,812.5	0.45	815.6	0.9	906.3
CRAMP NO. 12 + 13.0 ~ NO. 23 + 0	0 207.0	14.50	3,001.5	0.45	1,350.7	0.9	1,500.8
TOLL GATE ~ CONNECTING POINT (B,D)	10 10 10 10 10		4.79	8 8 9	3. 3.5 4.3 3.5		1 8 2 5
CRAMP NO. 0 + -25.3 ~ NO. 4 + 8	0 113,3	25.50	2,889.2	0.45	1,300.1	0.9	1,444.6
TOLL GATE	80.0	50.00	4,000.0	0.45	1,800.0	0.9	2,000.0
SUB TOTAL		The second contract of					8,431.1
						en Esta esta est	5,.51.2
	LENGTH	WIDTH(NOSE)	AREA	THICKNESS	YOLUME	CORFECTENT	COVERTED
	LENGTH (m)	WIDTH(NOSE)	AREA (m²)	THICKNESS (2)	YOLUMB (m3)	COEFFICIENT	
	1					COEFFICENT	COVERTED
SPEED CHANGE LANE  A. RAMP DECELERATION LANE	1				(m3) 304.4	COEFFICIENT 0.9	COVERTED VOLUME (m3)
SPEED CHANGE LANE	(m)	(B)	(m2)	(m)	(m)		COVERTED VOLUME (m3)
SPEED CHANGE LANE  A-RAMP DECELERATION LANE	(m) 165.0	(m) 8.20	(m2) 676.5	(m) 0.45	(m3) 304.4	0.9	COVERTED VOLUMB (m3) 338.3 430.5 430.5
SPEED CHANGE LANE  A RAMP DECELERATION LANE B-RAMP ACCELERATION LANE	(m) 165.0 210.0	(m) 8.20 8.20	(m2) 676.5 861.0	(n) 0.45 0.45	(m3) 304.4 387.5	0.9	COVERTED VOLUMB (m3) 338.3 430.5 430.5
SPEED CHANGE LANE  A RAMP DECELERATION LANE B-RAMP ACCELERATION LANE C-RAMP ACCELERATION LANE	(m) 165.0 210.0 210.0	(ts) 8.20 8.20 8.20	(m2) 676.5 861.0 861.0	(m) 0.45 0.45 0.45	(m3) 304.4 387.5 387.5	0.9 0.9 0.9	COVERTED VOLUMB (m3) 338.3 430.5 430.5
SPEED CHANGE LANE  A RAMP DECELERATION LANE B-RAMP ACCELERATION LANE C-RAMP ACCELERATION LANE	(m) 165.0 210.0 210.0	(ts) 8.20 8.20 8.20	(m2) 676.5 861.0 861.0	(m) 0.45 0.45 0.45	(m3) 304.4 387.5 387.5	0.9 0.9 0.9	COVERTED VOLUMB (m3) 338.3 430.5 430.5
SPEED CHANGE LANE  A RAMP DECELERATION LANE B-RAMP ACCELERATION LANE C-RAMP ACCELERATION LANE	(m) 165.0 210.0 210.0	(ts) 8.20 8.20 8.20	(m2) 676.5 861.0 861.0	(m) 0.45 0.45 0.45	(m3) 304.4 387.5 387.5	0.9 0.9 0.9	COVERTED VOLUMB (m3) 338.3 430.5 430.5
SPEED CHANGE LANE  A RAMP DECELERATION LANE B-RAMP ACCELERATION LANE C-RAMP ACCELERATION LANE	(m) 165.0 210.0 210.0	(ts) 8.20 8.20 8.20	(m2) 676.5 861.0 861.0	(m) 0.45 0.45 0.45	(m3) 304.4 387.5 387.5	0.9 0.9 0.9	COVERTED VOLUMB (m3) 338.3 430.5 430.5
A-RAMP DECELERATION LANE B-RAMP ACCELERATION LANE C-RAMP ACCELERATION LANE D-RAMP DECELERATION LANE	(m) 165.0 210.0 210.0	(ts) 8.20 8.20 8.20	(m2) 676.5 861.0 861.0	(m) 0.45 0.45 0.45 0.45	(m3) 304.4 387.5 387.5	0.9 0.9 0.9	COVERTED VOLUMB (m3) 338.3 430.5 430.5
A-RAMP DECELERATION LANE B-RAMP ACCELERATION LANE C-RAMP ACCELERATION LANE D-RAMP DECELERATION LANE	(m) 165.0 210.0 210.0	(ts) 8.20 8.20 8.20	(m2) 676.5 861.0 861.0	(m) 0.45 0.45 0.45 0.45	(m3) 304.4 387.5 387.5	0.9 0.9 0.9	COVERTED VOLUMB (m3) 338.3 430.5 430.5
A RAMP DECELERATION LANE B-RAMP ACCELERATION LANE C-RAMP ACCELERATION LANE D-RAMP DECELERATION LANE	(m) 165.0 210.0 210.0	(ts) 8.20 8.20 8.20	(m2) 676.5 861.0 861.0	(m) 0.45 0.45 0.45 0.45	(m3) 304.4 387.5 387.5	0.9 0.9 0.9	COVERTED VOLUMB (m3) 338.3 430.5 430.5
A RAMP DECELERATION LANE B-RAMP ACCELERATION LANE C-RAMP ACCELERATION LANE D-RAMP DECELERATION LANE	(m) 165.0 210.0 210.0	(ts) 8.20 8.20 8.20	(m2) 676.5 861.0 861.0	(m) 0.45 0.45 0.45 0.45	(m3) 304.4 387.5 387.5	0.9 0.9 0.9	COVERTED VOLUMB (m3) 338.3 430.5 430.5
A RAMP DECELERATION LANE B-RAMP ACCELERATION LANE C-RAMP ACCELERATION LANE D-RAMP DECELERATION LANE	(m) 165.0 210.0 210.0	(ts) 8.20 8.20 8.20	(m2) 676.5 861.0 861.0	(m) 0.45 0.45 0.45 0.45	(m3) 304.4 387.5 387.5	0.9 0.9 0.9	COVERTED VOLUMB (m3) 338.3 430.5 430.5

GRAND TOTAL	(m3)
(A)-(B)=	143,163.0

# (INTERCHANGE & JUNCTION) Tab.A.1.14.1 Quantities of Slope Protection

#### PART2(OUTER CIRCULAR HIGHWAY)

#### (6)INTERCHANGE AT ROAD A4

BASIC FR	EEWAY SEGMENT				
	SECTION(NOSE)	LENGTH	AVE.H	AVE.L. (SLOPE)	AREA
		(m)	(m)	(m)	(m2)
1 LANE IN	N 1 DIRECTION	1	42		
A1-RAMP	NO. $0 + 0.0 \sim NO. 2 + 25.0$	225.0	4.0	8.2	3,706.5
A2-RAMP	NO. $2 + 25.0 \sim NO. 4 + 10.0$	185.0	8.0	16.5	3,047.6
B-RAMP	NO. $2 + 25.0 \sim NO. 3 + 90.0$	165.0	8.0	16.5	2,718.1
C1-RAMP	NO. $0 + 0.0 \sim NO. 1 + 40.0$	140.0	4.0	8.2	1,153.2
C2-RAMP	NO. $1 + 40.0 \sim NO. 3 + 60.0$	220.0	6.0	12.4	2,718.1
D-RAMP	NO. 1 + 40.0 ~ NO. 3 + 0.0	160.0	6.0	12.4	1,976.8
		1.00			
			1 1 1 1 1 1 1		
2 LANE IN	12 DIRECTION WITH SEPARATION				
D-RAMP	NO. $0 + 0.0 \sim NO. 0 + 0.0$	0.0	0.0	0.0	0.0
4 LANE I	12 DIRECTION WITH SEPARATION				
D-RAMP	NO. $0 + 0.0 \sim NO. 0 + 0.0$	0.0	0.0	0.0	0.0
SUB TOT.	<b>AL</b> Model (Association of the second	and the second			15,320.3
SPEED CI	HANGE LANE			e jednosta	Section 1
TOTAL					15,320.3

## (INTERCHANGE & JUNCTION)

### Tab.A.1.14.2 Quantities of Slope Protection

#### PART3(OUTER CIRCULAR HIGHWAY)

(7)JUNCTION AT COLOMBO KATUNAYAKE EXPRESSWAY-2

	KMEN1>	النشاذة كانتان والإستان وع			
BASIC FR	EEWAY SEGMENT		December 1	e i visa se com	
	SECTION(NOSE)	LENGTH	AVE.H	AVE,L (SLOPE)	AREA
		(m)	(m)	(m)	(m2)
1 LANE IN	N 1 DIRECTION	Table 1			
A-RAMP	NO. $23 + 0.0 \sim NO. 29 + 4.0$	124.0	3.0	6.2	1,532.0
B-RAMP	NO. 4 + 8.0 ~ NO. 16 + 0.0	232.0	4.4	9.1	4,203.9
C-RAMP	NO. 23 + 0.0 ~ NO. 28 + 16.0	116.0	3.0	6.2	1,433.2
D-RAMP	NO. 4 + 8.0 ~ NO. 17 + 13.0	265.0	4.3	8.9	4,692.7
2 LANE II	N 2 DIRECTION WITH SEPARATION				
C-RAMP	NO. 4 + 8.0 ~ NO. 10 + 13.0	125.0	7.8	16.1	4,015.3
C-RAMP	NO. 12 + 13.0 ~ NO. 23 + 0.0	207.0	6.3	13.0	5,370.6
TOLL GA	TE $\sim$ CONNECTING POINT (B.D)	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			
C-RAMP	NO. $0 + -25.3 \sim NO. 4 + 8.0$	113.3	4.3	8.9	2,006.4
	era, era di di di di di di era e di e di				
SUB TOT	AL				23,254.1
SPEED C	HANGE LANE	- 2 4 2 34 7	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		
TOTAL					23,254.1

#### (8)INTERCHANGE AT ROAD A3

	S	ECTION(N	(OSE)		LENGTH (m)	AVE.H (m)	AVE.L (SLOPE) (m)	AREA (m2)
ROOP		and the second	sign to the sign				1.14%	
C-RAMP	NO. 0 +	0.0 ~ 1	10. 16 + 1	4.0	334.0	5.0	10.3	6,877.5
:		and Alliens		- 4.	1, 11, 11		100	A district
SUB TOT	AL							6,877.5
SPEED C	HANGE LAN	VE						
TOTAL								6,877.5

# (INTERCHANGE & JUNCTION) Tab.A.1.14.3 Quantities of Slope Protection

#### PART4(OUTER CIRCULAR HIGHWAY)

#### (9) JUNCTION AT SOUTHERN HIGHWAY

<EMBANKMENT>

BASIC FR	BASIC FREEWAY SEGMENT							
	SECTION(NOSE)	LENGTH	AVEH	AVE.L. (SLOPE)	AREA			
		(m)	(m)	(m)	(m2)			
1 LANE IN	1 I DIRECTION		· .					
A-RAMP	NO. $7 + 13.0 \sim NO. 19 + 18.0$	245.0	4.5	9.3	4,540.4			
A-RAMP	NO. $22 + 5.0 \sim NO. 37 + 15.0$	310.0	4.5	9.3	5,745.0			
B-RAMP	NO. $12 + 5.0 \sim NO. 24 + 0.0$	235.0	3.5	7.2	3,387.3			
C-RAMP	NO. 12 + 5.0 ~ NO. 19 + 16.0	151.0	6.5	13.4	4,042.1			
C-RAMP	NO. 24 + 6.0 ~ NO. 42 + 8.0	362.0	4.0	8.2	5,963.2			
D-RAMP	NO. 7 + 13.0 ~ NO. 25 + 13.0	360.0	1.0	2.1	1,482.6			
42.71		1111			1			
2 LANE I	12 DIRECTION WITH SEPARATION							
D-RAMP	NO. $0 + 0.0 \sim NO. 12 + 5.0$	245.0	3.5	7.2	3,531.4			
D-RAMP	NO. $0 + 0.0 \sim NO. 7 + 13.0$	153.0	2.0	4.1	1,260.2			
	Control of the Contro		1 1	· .	2003			
SUB TOTA	AL	Maria North			29,952.0			
SPEED CI	IANGE LANE	V. 10						
TOTAL					29,952.0			

#### COLOMBO KATUNAYAKE EXPRESSWAY PORTION

#### (\*)JUNCTION AT COLOMBO KATUNAYAKE EXPRESSWAY-1

BASIC FREEWAY SEGMENT							
		LENGTH	AVE.H	E.L.(SLO	AREA		
	SECTION(NOSE)	(m)	(m) .	(m)	(m2)		
1 LANE IN	1 DIRECTION		114.4		1,421		
A-RAMP	NO. 20 + 14.0 ~ NO. 29 + 5.0	171.0	9.2	18.9	6,478.8		
B-RAMP	NO. $3 + 15.0 \sim NO. 15 + 8.0$	233.0	7.8	16.1	7,484.5		
C-RAMP	NO. 20 + 14.0 ~ NO. 26 + 15.0	121.0	9.4	19.4	4,684.1		
D-RAMP	NO. 3 + 15.0 ~ NO. 16 + 7.0	252.0	9.3	19.1	9,651.5		
Section of the	The transfer of the state of th		11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
2 LANE IN	2 DIRECTION WITH SEPARATION		4 14,1				
C-RAMP	NO. 3 + 15.0 ~ NO. 20 + 14.0	339.0	5.3	10.9	7,399.3		
TOLL GA	TE $\sim$ CONNECTING POINT (B,D)						
C-RAMP	NO. $0 + 25.3 \sim NO. 3 + 15.0$	49.7	4.5	9.3	921.0		
TOLL GA	<b>IE</b>			refer to C-R	AMP		
SUB TOTA	AL constant of the second of t				36,619.3		
SPEED CI	IANGE LANE		71.00	- 1 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -			
TOTAL			<del></del>	<del></del>	36,619.3		
				<del></del>			

# (INTERCHANGE & JUNCTION) Tab.A.1.15 Quantities of Retaining Wall

#### PART3(OUTER CIRCULAR HIGHWAY)

#### (8)INTERCHANGE AT ROAD A3

ТҮРЕ	STATION	LENGTH m	L-R	AVE.H m
GRAVITY	NO. 10 + 20 ~ NO. 10 + 80		R	2.0
ТҮРЕ	NO. 13 + 0 ~ NO. 13 + 60	60.0	R	2.0
	No. + ~ No. +		7 :	
	No. + ~ No. +	200	1.14	1 12
	NO. + ~ NO. +	15.00		
	SUB TOTAL	120.0		
INVERSED	NO. $10 + 80 \sim NO$ . $13 + 0$	220.0	R	5.0
ТТҮРЕ	No. + ~ No. +	1.000		
	NO. + NO. 14 + 15 €	Maria Nati		
	No. + ~ No. +			
	No. + - No. + + No. + +			
Company of the	SUB TOTAL	220.0	1987	
EARTH	No. $1 + 0 \sim NO. 3 + 0$	200.0	42 7-3	5.0
REINFORCEMENT	No. + ~ No. +			
	NO. + ~ NO. +	A Carlony	1. 4	V 1
	No. + ~ No. +		11 11 11	
	NO. + ~ NO. +	2.22.2	7 15	
	SUB TOTAL	200.0		finish, Re
	TOTAL	540.0		1

#### PART4(OUTER CIRCULAR HIGHWAY)

#### (9) JUNCTION AT SOUTHERN HIGHWAY

		LENGIH m	L-R	AVE.H m
EARTH	C NO. $24 + 6 \sim NO$ . $27 + 6$	60.0	R	4.0
REINFORCEMENT	No. + ~ No. +	3 . * :	11.11	
	No. + ~ No. +			277.7
	NO. + ~ NO. +	40.5%	1.3.4	10.54
	No. + ~ No. +	e pri se sa	199	
	SUB TOTAL	60.0	The second	
	TOTAL	60.0	1. 2.	

# (INTERCHANGE & JUNCTION) Tab.A.1.16.1 Quantities of Pavement

#### PARTI(SOUTHERN HIGHWAY)

#### (1)INTERCHANGE AT ROAD B84

(1)11111111	CHANGE AT ROAD DOY					
BASIC FR	EEWAY SEGMENT					
	CECTIONOLOGE)	LENGTH	WIDTH		AREA	
1.14	SECTION(NOSE)	(m)	(m)		(m2)	
A-RAMP	NO. $0 + 0.0 \sim NO. 16 + 5.0$	325.0	7.0		2,275.0	
B-RAMP	NO. 0 + 0.0 ~ NO. 16 + 6.0	326.0	7.0		2,282.0	
C-RAMP	NO. 0 + 0.0 ~ NO. 8 + 13.0	173.0	7.0		1,211.0	
D-RAMP	NO. $0 + 0.0 \sim NO. 8 + 15.0$	175.0	7.0		1,225.0	
SUB TOTA	AL				6,993.0	
SPEED CH	IANGE LANE					
		LENGTH	WIDTH(NOSE)	AVE.WIDTH	AREA	
1.5		(m)	(m)	(m)	(m2)	
A-RAMP	DECELERATION LANE	165.0	8.2	4.1	676.5	
B-RAMP	ACCELERATION LANE	210.0	8.2	4.1	861.0	
C-RAMP	ACCELERATION LANE	210.0	8.2	4.1	861.0	
D-RAMP	DECELERATION LANE	165.0	8.2	4.1	676.5	
SUB TOT.	ΛĹ				3,075.0	
TOTAL					10,068.0	

#### (2)INTERCHANGE AT ROAD A8

` '	ACHIMODITI ROMDITO				
BASIC FR	EEWAY SEGMENT	and the second		18 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	and the state of t
	SECTIONOJOSEN	LENGTH	WIDTH		AREA
40.00	SECTION(NOSE)	(m)	(m)		(m2)
A-RAMP	NO. $0 + 0.0 \sim NO. 12 + 17.0$	257.0	7.0	se siv	1,799.0
B-RAMP	NO. $0 + 0.0 \sim NO. 13 + 5.0$	265.0	7.0		1,855.0
C-RAMP	NO. $0 + 0.0 \sim NO. 11 + 8.0$	228.0	7.0		1,596.0
D-RAMP	NO. $0 + 0.0 \sim NO. 10 + 15.0$	215.0	7.0	N. J	1,505.0
1 11					
SUB TOT	AL production of the second				6,755.0
SPEED CI	IANGE LANE	ABA ARTHUR			11 . 212
11 2		LENGTH	WIDTH(NOSE)	AVE.WIDTH	AREA
100	Salat Control of the American State of the A	(m)	(m)	(m)	(m2)
A-RAMP	DECELERATION LANE	165.0	8.2	4.1	676.5
B-RAMP	ACCELERATION LANE	210.0	8.2	4.1	861.0
C-RAMP	ACCELERATION LANE	210.0	8.2	4.1	861.0
D-RAMP	DECELERATION LANE	165.0	8.2	4.1	676.5
Partiet.					t status parja
SUB TOT	ΛL				3,075.0
TOTAL		n n n n n jøren.			9,830.0

# (INTERCHANGE & JUNCTION) Tab.A.1.16.2 Quantities of Pavement

#### PART2(OUTER CIRCULAR HIGHWAY)

#### (3)INTERCHANGE AT ROAD A1

(O)IIII					In Colombia and Assaultance and Assaultance and Assaultance and Assaultance and Assaultance and Assaultance and
BASIC FR	EEWAY SEGMENT	State of the		sala in the salar	
	eration(Noce)	LENGTH	WIDTH		AREA
	SECTION(NOSE)	(m)	(m)		(m2)
A-RAMP	NO. 0 + 0.0 ~ NO. 19 + 16.0	396.0	7.0		2,772.0
B-RAMP	NO. $0 + 0.0 \sim NO. 17 + 5.0$	345.0	7.0		2,415.0
C-RAMP	NO. $0 + 0.0 \sim NO. 17 + 10.0$	350.0	7.0		2,450.0
D-RAMP	NO. $0 + 0.0 \sim NO. 13 + 5.0$	265.0	7.0		1,855.0
1 1 1 1					
SUB TOTA	AL			tu territir.	9,492.0
SPEED CH	IANGE LANE	er til er til film og s			
		LENGTH	WIDTH(NOSE)	AVB.WIDTH	AREA
		(m)	(m)	(m)	(m2)
A-RAMP	DECELERATION LANE	165.0	8.2	4.1	676.5
B-RAMP	ACCELERATION LANE	210.0	8.2	4.1	861.0
C-RAMP	ACCELERATION LANE	210.0	8.2	4.1	861.0
D D 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DECELERATION LANE	165.0	8.2	4.1	676.5
D-RAMP	DECEMBER TON LAND				
D-KAMP	DECEIE MATION LAND				dan turka
D-RAMP SUB TOT.					3,075.0

#### (4)INTERCHANGE AT ROAD B214

BASIC FR	EEWAY SEGMENT	e la tradición de la composición de la	14. 4. 1. 表现的 14.1	e dita	HELE SERVICE
	SECTION(NOSE)	LENGTH (m)	WIDTH (m)		AREA (m2)
A-RAMP	NO. $0 + 0.0 \sim NO. 7 + 7.0$	147.0	7.0	en la	1,029.0
B-RAMP	NO. $0 + 0.0 \sim NO. 7 + 0.0$	140.0	7.0		980.0
	all and the second of the seco	0.000		A SAME	A Jakas Daga
SUB TOT	AL				2,009.0
SPEED C	IANGE LANE	e e Sala de Ar			A DOMESTIC
		LENGTH (m)	WIDTH(NOSE) (m)	AVE.WIDTH (m)	AREA (m2)
A-RAMP	DECELERATION LANE	165.0	8.2	4.1	676.5
B-RAMP	ACCELERATION LANE	210.0	8.2	4.1	861.0
B-RAMP	ACCELERATION LANE	210.0	8.2	4.1	861.0
B-RAMP	ACCELERATION LANE	210.0	8.2	4.1	861.0
B-RAMP	ACCELERATION LANE	210.0	8.2	4.1	861.0
B-RAMP SUB TOT		210.0	8.2	4.1	861.0 1,537.5

# (INTERCHANGE & JUNCTION) Tab.A.1.16.3 Quantities of Pavement

(5)INTERCHANGE AT ROAD A110

BASIC FR	EEWAY SEGMENT				
	SECTION(NOSE)	LENGTH	WIDTH	<i></i>	AREA
	SECTION(NOSE)	(m)	(m)		(m2)
C-RAMP	NO. $0 + 0.0 \sim NO. 10 + 10.0$	210.0	7.0		1,470.0
D-RAMP	NO. $0 + 0.0 \sim NO. 9 + 13.0$	193.0	7.0		1,351.0
-					
SUB TOT	AL				2,821.0
SPEED C	HANGE LANE				1.4
100		LENGTH	WIDTH(NOSE)	AVE.WIDTH	AREA
1.5		(m)	(m)	(m)	(m2)
C-RAMP	ACCELERATION LANE	210.0	8.2	4.1	861.0
D-RAMP	DECELERATION LANE	165.0	8.2	4.1	676.5
			1.7		- 1
SUB TOT	AL :				1,537.5

(6)INTERCHANGE AT ROAD A4

BASIC FR	EEWAY SEGMENT		1 12 14 12		
14.34.5	SECTION(NOSE)	LENGTH	WIDTH		AREA
	SECTION(NOSE)	(m)	(m)		(m2)
I LANE IN	11 DIRECTION				
<b>∧</b> •RAMP	NO. $2 + 25.0 \sim NO. 4 + 10.0$	185.0	7.0		1,295.0
B-RAMP	NO. $2 + 25.0 \sim NO. 3 + 90.0$	165.0	7.0		1,155.0
C-RAMP	NO. $1 + 40.0 \sim NO. 3 + 60.0$	220.0	7.0		1,540.0
D-RAMP	NO. $1 + 40.0 \sim NO. 3 + 0.0$	160.0	7.0		1,120.0
er 3 €					
2 LANE IN	12 DIRECTION WITH SEPARATION				
A-RAMP	NO. $0 + 0.0 \sim NO. 2 + 25.0$	225.0	14.5		3,262.5
C-RAMP	NO. $0 + 0.0 \sim NO. 1 + 40.0$	140.0	14.5		2,030.0
4 LANE IN	12 DIRECTION WITH SEPARATION	1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1			
D-RAMP	NO. $0 + 0.0 \sim NO. 0 + 0.0$	0.0	0.0		0.0
No president				1000	and and a
SUB TOTA	AL segment of the control of the con				10,402.5
SPEED CH	HANGE LANE				
1 2 2 2		LENGTH	WIDTH(NOSE)	AVE.WIDTH	AREA
		(m)	(m)	(m)	(m2)
4.1000					
A-RAMP	DECELERATION LANE	165.0	8.2	4.1	676.5
B-RAMP	ACCELERATION LANE	210.0	8.2	4.1	861.0
C-RAMP	ACCELERATION LANE	210.0	8.2	4.1	861.0
D-RAMP	DECELERATION LANE	165.0	8.2	4.1	676.5
100 100					
		a element			
SUB TOTA	and the second of the second o				3,075.0

# (INTERCHANGE & JUNCTION) Tab.A.1.16.4 Quantities of Pavement

#### PART3(OUTER CIRCULAR HIGHWAY)

(7)JUNCTION AT COLOMBO KATUNAYAKE EXPRESSWAY-2

EEWAY SEGMENT				
CECTION/NOCE)	LENGTH	WIDTH		AREA
SECTION(NOSE)	(m)	(m)		(m2)
I 1 DIRECTION				
NO. 20 + 14.0 ~ NO. 29 + 5.0	171.0	7.0		1,197.0
NO. 3 + 15.0 ~ NO. 15 + 8.0	233.0	7.0		1,631.0
NO. 20 + 14.0 ~ NO. 26 + 15.0	121.0	7.0		847.0
NO. 3 + 15.0 ~ NO. 16 + 7.0	252.0	7.0		1,764.0
		10.00		The street states
2 DIRECTION WITH SEPARATION				tenan a sa
NO. 3 + 15.0 ~ NO. 20 + 14.0	339.0	14.5		4,915.5
$\text{TE} \sim \text{CONNECTING POINT (B,D)}$				
NO. $0 + 25.3 \sim NO. 3 + 15.0$	49.7	25.5		1,267.4
			1 1 1 2 7 3	elektrik e jir
AL				11,621.9
IANGE LANE				
	LENGTH	WIDTH(NOSE)	AVE.WIDTH	AREA
	(m)	(m)	(m)	(m2)
	e ger berge		<u> Artista (1994)</u>	i da i di kacamata
DECELERATION LANE	165 A	22	4.1	676.5
ACCELERATION LANE	210.0	8.2	4.1	861.0
ACCELERATION LANE ACCELERATION LANE	210.0 210.0	8.2 8.2	4.1 4.1	861.0 861.0
ACCELERATION LANE	210.0	8.2	4.1	861.0
ACCELERATION LANE ACCELERATION LANE	210.0 210.0	8.2 8.2	4.1 4.1	861.0 861.0
ACCELERATION LANE ACCELERATION LANE	210.0 210.0	8.2 8.2	4.1 4.1	861.0 861.0
ACCELERATION LANE ACCELERATION LANE	210.0 210.0	8.2 8.2	4.1 4.1	861.0 861.0
ACCELERATION LANE ACCELERATION LANE	210.0 210.0	8.2 8.2	4.1 4.1	861.0 861.0
ACCELERATION LANE ACCELERATION LANE	210.0 210.0	8.2 8.2	4.1 4.1 4.1	861.0 861.0
ACCELERATION LANE ACCELERATION LANE	210.0 210.0	8.2 8.2	4.1 4.1	861.0 861.0
ACCELERATION LANE ACCELERATION LANE	210.0 210.0	8.2 8.2	4.1 4.1 4.1	861.0 861.0
ACCELERATION LANE ACCELERATION LANE	210.0 210.0	8.2 8.2	4.1 4.1 4.1	861.0 861.0
	SECTION(NOSE)  I 1 DIRECTION  NO. 20 + 14.0 ~ NO. 29 + 5.0  NO. 3 + 15.0 ~ NO. 15 + 8.0  NO. 20 + 14.0 ~ NO. 26 + 15.0  NO. 3 + 15.0 ~ NO. 16 + 7.0  I 2 DIRECTION WITH SEPARATION  NO. 3 + 15.0 ~ NO. 20 + 14.0  IE ~ CONNECTING POINT (B,D)  NO. 0 + 25.3 ~ NO. 3 + 15.0  AL  HANGE LANE	SECTION(NOSE)  LENGTH (m)  11 DIRECTION  NO. 20 + 14.0 ~ NO. 29 + 5.0 171.0  NO. 3 + 15.0 ~ NO. 15 + 8.0 233.0  NO. 20 + 14.0 ~ NO. 26 + 15.0 121.0  NO. 3 + 15.0 ~ NO. 16 + 7.0 252.0  12 DIRECTION WITH SEPARATION  NO. 3 + 15.0 ~ NO. 20 + 14.0 339.0  IE ~ CONNECTING POINT (B,D)  NO. 0 + 25.3 ~ NO. 3 + 15.0 49.7  AL HANGE LANE  LENGTH (m)	LENGTH (m)   WIDTH (m)	LENGTH

# (INTERCHANGE & JUNCTION) Tab.A.1.16.5 Quantities of Pavement 3

#### (8)INTERCHANGE AT ROAD A3

BASIC FRE	EWAY SEGMENT					
	SECTION(NOSE)	LENGTH	WIDTH	4	AREA	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SECTION(NOSE)	(m)	(m)		(m2)	
DIAMOND						
A-RAMP	NO. $0 + 0.0 \sim NO$ . $12 + 0.0$	240.0	7.0		1,680.0	
B-RAMP	NO. $0 + 0.0 \sim NO. 10 + 8.0$	208.0	7.0		1,456.0	
ROOP						
C-RAMP	NO. $0 + 0.0 \sim NO. 16 + 14.0$	334.0	7.0		2,338.0	
SUB TOTA		1 1 1 1			5,474.0	
SPEED CH	ANGE LANE			* * .		
		LENGTH	WIDTH(NOSE)	AVE.WIDTH	AREA	
		(m)	<b>(</b> m)	(m)	(m2)	
DIAMOND					. 1941 . 1	
A-RAMP	ACCELERATION LANE	210.0	8.2	4.1	861.0	
B-RAMP	DECELERATION LANE	165.0	8.2	4.1	676,5	
* . v .				1 1 1 1 1 1 1	1	
				:		
ROOP						
<del></del>	DECELERATION LANE	165.0	8.2	4.1	676.5	
ROOP C-RAMP SUB TOTA		165.0	8.2	4.1	676.5 2,214.0	

#### PART4(OUTER CIRCULAR HIGHWAY)

#### (9) JUNCTION AT SOUTHERN HIGHWAY

BASIC FRE	EWAY SEGMENT	7.5			
	SECTION(NOSE)	LENGIH	WIDTH		AREA
	SECTION(NOSE)	(m)	(m)		(m2)
1 LANE IN	1 DIRECTION		a to the same		
A-RAMP	NO. $7 + 13.0 \sim NO. 19 + 18.0$	245.0	7.0		1,715.0
A-RAMP	NO. $22 + 5.0 \sim NO. 37 + 15.0$	310.0	7.0		2,170.0
B-RAMP	NO. 12 + 5.0 ~ NO. 24 + 0.0	235.0	7.0		1,645.0
C-RAMP	NO. $12 + 5.0 \sim NO. 19 + 16.0$	151.0	7.0		1,057.0
C-RAMP	NO. $24 + 6.0 \sim NO. 42 + 8.0$	362.0	7.0		2,534.0
D-RAMP	NO. $7 + 13.0 \sim NO. 25 + 13.0$	360.0	7.0		2,520.0
aprilla 1845					
2 LANE IN	2 DIRECTION WITH SEPARATION				
D-RAMP	NO. $0 + 0.0 \sim NO. 12 + 5.0$	245.0	10.8		2,633.8
D-RAMP	NO. $0 + 0.0 \sim NO. 7 + 13.0$	153.0	10.8		1,644.8
1.54, 14.			1 1		
SUB TOTA	L				15,919.6
SPEED CH	ANGE LANE				
V.		LENGTH	WIDTH(NOSE)	AVE.WIDTH	AREA
55 856		(m)	(m)	(m)	(m2)
Fig. 1999		King the first section			
A-RAMP	DECELERATION LANE	165.0	8.2	4.1	676.5
B-RAMP	ACCELERATION LANE	210.0	8.2	4.1	861.0
C-RAMP	ACCELERATION LANE	210.0	8.2	4.1	861.0
D-RAMP	DECELERATION LANE	165.0	8.2	4.1	676.5
J. 1			7. 74.		
1. 71.					
SUB TOTA	Logica da caba da alamana da		straight feathers	e Me	3,075.0
TOTAL					18,994.6

## (INTERCHANGE & JUNCTION) Tab.A.1.16.6 Quantities of Pavement

## COLOMBO KATUNAYAKE EXPRESSWAY PORTION

#### (\*)JUNCTION AT COLOMBO KATUNAYAKE EXPRESSWAY-1

	EEWAY SEGMENT				<u>,</u>
	OPATION/MOSES	LENGTH	WIDTH		AREA
	SECTION(NOSE)	(m)	. (m)		(m2)
1 LANE IN	N 1 DIRECTION				1 11 1
A-RAMP	NO. 23 + 0.0 ~ NO. 29 + 4.0	124.0	7.0		868.0
B-RAMP	NO. 4 + 8.0 ~ NO. 16 + 0.0	232.0	7.0		1,624.0
C-RAMP	NO. 23 + 0.0 ~ NO. 28 + 16.0	116.0	7.0		812.0
D-RAMP	NO. 4 + 8.0 ~ NO. 17 + 13.0	265.0	7.0		1,855.0
4 A			1 14 11 135	and the state of	
	and for the second of the second second	1 N. 12 P. 12 L.	N 4 18 11 11	12 2 2 22	
2 LANE IN	N 2 DIRECTION WITH SEPARATION				1. 1 × 1. 1
C-RAMP		125.0	14.5	and the second	1,812.5
	NO. 12 + 13.0 ~ NO. 23 + 0.0	207.0	14.5		3,001.5
- :	TE $\sim$ CONNECTING POINT (B.D)		e de la companya de l		E Barbar
D-RAMP		113.3	25.5	And the second s	2,889.2
TOLL GA	TE	80.0	50.0		4,000.0
SUB TOTA	AL desired and all the state of	la de la companya de			16,862.2
SPEED CI	HANGE LANE				
1 1 1 M		LENGTH	WIDTH(NOSE)	AVE.WIDTH	AREA
		(m)	(m)	(m)	(m2)
			1-7 3-55	A CHARLES	
A-RAMP	DECELERATION LANE	165.0	8.2	4.1	676.5
B-RAMP	ACCELERATION LANE	210.0	8.2		
C-RAMP				4.1	861.0
O TO TIME	ACCELERATION LANE	210.0	8.2	4.1	861.0
D-RAMP	ACCELERATION LANE DECELERATION LANE				
		210.0	8.2	4.1	861.0
D-RAMP		210.0	8.2	4.1	861.0
D-RAMP		210.0	8.2	4.1	861.0
D-RAMP		210.0	8.2	4.1	861.0
D-RAMP		210.0	8.2	4.1	861.0
D-RAMP		210.0	8.2	4.1	861.0
D-RAMP		210.0	8.2	4.1	861.0
D-RAMP	DECELERATION LANE	210.0	8.2	4.1	861.0 676.5
D-RAMP	DECELERATION LANE	210.0	8.2	4.1	861.0

ſ				太	2	2	<u> </u>	<u> </u>	ъ	ě	Ι	Γ	I	T	T	7	<del>                                     </del>	·	
	E S		(Ra√π)	79,424	65,447	65,447	90,703	95,108	<u> </u>	63.970									
	cost	DVERHEAD	x10^384.	52,976	30,106	- 3		9,844	"										192,767
	TOTALCOST	ACTUAL	x10"3Rs.	46,066	26,179	15,707	18,776	8,560	"	1									167,624
		TOTAL	(x10"3R&)	26.766					12.505	1									
		CONCRETE	PITCHING (x10*3Rs.)	3.030		-			1,420	1									
			TOTAL PITCHING (X10"3Ra.)	7,320	1000				3,416	10,248							XWAY.		
ے		PIER	<b>-T</b> -	- 0		٠.			2,660	7,980							COLOMBO KATUNAYAKE EXPRESSWAY NO. OF BRIDGE: 0		
VCTTO)	SUBSTRUCTURE	d.	FOUNDATION TYPE   COST	Pile 9 600				1.	P.J.c 0630	Pile 0090							SAXAS	_	
E & JU	SUBSTR			1,620			<b>(</b> ,	1	756	2,268							D KATU	<b>8</b> 00	
CHANG			TOTAL BODY (x10"3Rs.)	16,416				:	699'2	2,669							COLOMBO KATUN	NO. OF VIADUCT: 1	
7 Ouantities of Bridge and Viaduct/INTERCHANGE & JUNCTION)	÷	ABUTMENT	<u> </u>	12,540	:				5,860	5,860							<b>V</b> 12		
1 Viaduc	- 1	ABUT	FOUNDATION TYPE COST	Pile 000					Pile 4 600	9 23 6 000 000 000 000 000			:						
ridge and			BODY (x10*3Rs.)	3,876		**		3. 	1,809	1.809			-			1.	CWAY)	Ī	
ties of B	URE	cost	(x10"3Rs.)	19,300					10,948	20,964	1		1				R CIRCULAR HIGHWAY)		
7 Ouant	PRSTRUCTURE	TINO	(Rs/m)	33,276	<del></del>			1.0	33,276	33,276							R CIRCUI	, H	
Tab A.1.1	SUPEI	10.2		ပ္ထ			 		δ	2				11		,	PARTZ 4/OUTER NO. OF BRIDGE	NO. OF VIADUCT: 3	
	Ş	2 9 7 2 9 7 2 9 7		2					2	4							PART NO. OI	٥ ا	
		AREA	(m,	580.0	400,0	240,0	207.0	0'06	329.0	630.0									
A STATE OF	î		LENGTH(m)	40.0	80.0	80.0	30.0	45.0	47.0	90.0						:			·
	WIDTH(m)		NE.	14.5 /	5.0	3.0 /	/6'9	2.0/	/10'/	7.0/							អ្ន		
		TYPE		vabuer	вктосв	BRIDGE	VIADUCT	BRIDGE	VADUCT	viabuct							PARTI(SOUTHERN HIGHWAY) NO. OF BRIDGE: 0	٥	
		STATION		+13.000	+40.000	+40.000	+10,000	+15.000	+18.000	+16.000							OUTHER RIDGE:	NO. OF VIADUCT: 0	7
	<u>J</u>	્યું આ ક્રુ		요 13	O TO	скез	ελ ο ο	₹ 276 276		ж 8 8	5						PARTI (SOUTHE) NO. OF BRIDGE	Š.	TOTAL
		TAA9		СКЕТ	1.45	ε		7	3	,									

PART	ζŢ	STATION		Quantities of Box Culvert(IN SHAPE				COST	
	IC & JCT			W(m)* H(m)	INNER SECTION(m^2)	LENGTH(m)	RATE(Rs.)	(x10^3Rs.)	REMARKS
i i	3	C RAMP	3 +15.000	6.00 * 6.00	36.00	35.00	30,000	37,800.00	UNDERPASS
ć	CKE	MAIN PART	3 +00.000	16.00 * 5.50	88.00	30.00	30,000	79,200.00	UNDERPASS
					±				
						1 2 . t			
					1 1 1				
		-							
. •									
		1							
			7 1 2 2 3 4 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		7 V				3.5
		<del> </del>	CKE			35,00		37,800.00	
TOT		<b>NL</b>	OCII			30.00		79 200 00	

OCH

30.00

79,200.00

# (INTERCHANGE & JUNCTION) Tab.A.1.19 Interchange at Road A2

1 40%	W.T.13 HH	er Change at INO	au 144	
BRIDGE	L,≖	0.0 m	①	
	W =	0.0 m	2	
:	A =	0.0 m <sup>2</sup>	① x ②	
RETAINIG WALL	II =	0.0 m	3	
	L=	0.0 m	<b>④</b>	
EMBANKMENT	V =	0.0 m <sup>3</sup>	③ x ④ x ② /2	
PAVEMENT	A = 2	1,200.0 m <sup>2</sup>	improving section	

## **APPENDIX A2**

BREAKDOWN OF CONSTRUCTION COST & ENGINEERING COST

## APPENDIX A2 BREAKDOWN OF CONSTRUCTION COST & ENGINEERING COST

#### 1.1 Summary of Project Cost

#### 1.1.1 Main Part

Tab.A.2.1 and Tab.A.2.2 show the summary of project cost for main part at initial and final stages. That tables show the Southern Highway(SH) portion and the Outer Circular Highway(OCH) Project Portion.

List

Tab.A.2.1

: SUMMARY OF PROJECT COST (INITIAL STAGE)

Tab.A.2.2

: SUMMARY OF PROJECT COST (FINAL STAGE)

#### 1.1.2 Interchange (IC) and Junction (JCT)

Tab.A.2.3~Tab.A.2.6 show the cost break down for the interchange and junction That tables show the SH portion, the OCH portion and the Colombo Katunayake Expressway (CKE) portion.

List

Tab.A.2.3~Tab.A.2.6

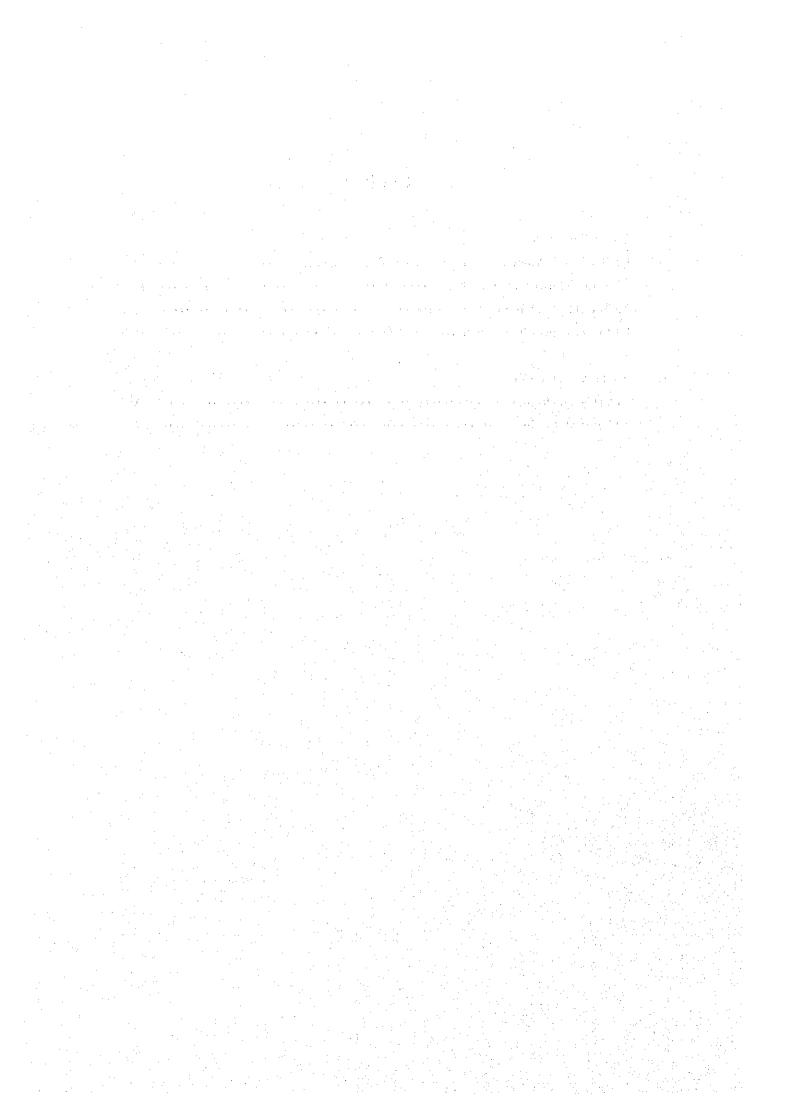
: COST BREAK DOWN FOR INTERCHANGE & JUNCTION

(PART1~PART4)

# ANNEX I TRAFFIC SURVEY DATA & TRAFFIC MODEL RESULTS

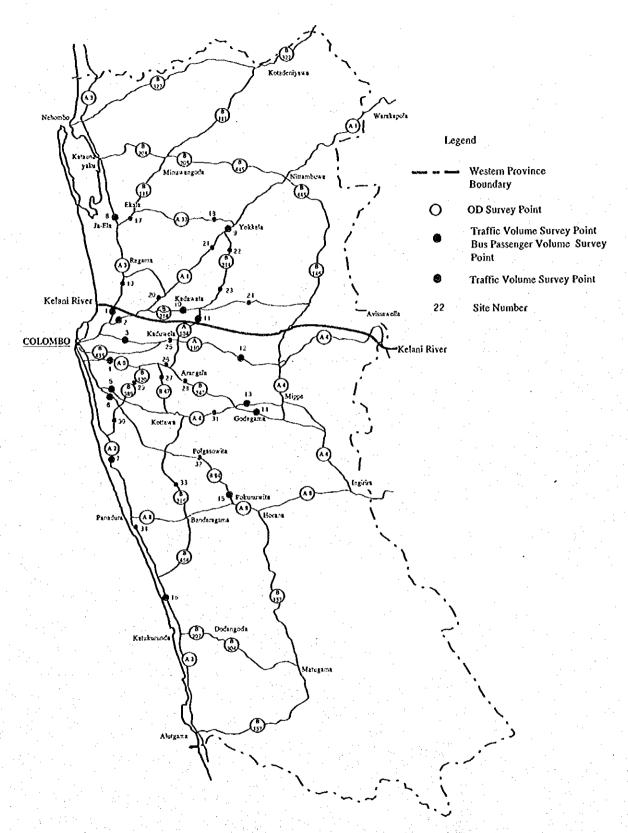
## Contents

1. Traffic Survey Data	
1.1 OD, Traffic Volume and Bus Passenger Volume Surveys	2
1.2 Turning Movement Survey ·····	84
1.3 Travel Speed Survey ·····	88
1.4 Bus Passenger Interview Survey	91
2. Traffic Model Results	
2.1 Calibration Results · · · · · · · · · · · · · · · · · · ·	
2.2 Forecast Results ·····	107



# 1. Traffic Survey Data

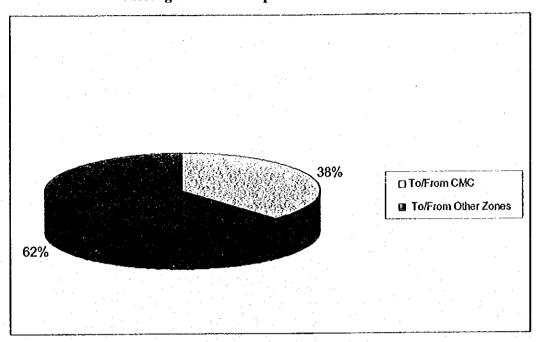
1.1 OD, Traffic Volume,&Bus Passenger Volume Surveys



Locations for OD Survey, Traffic Volume Survey & Bus Passenger Volume Survey

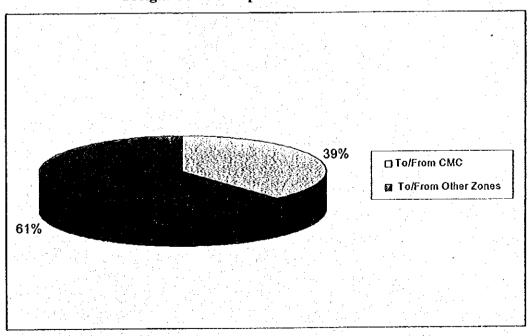
# Site # 1

Passenger Vehicle Trip Generation/Attraction

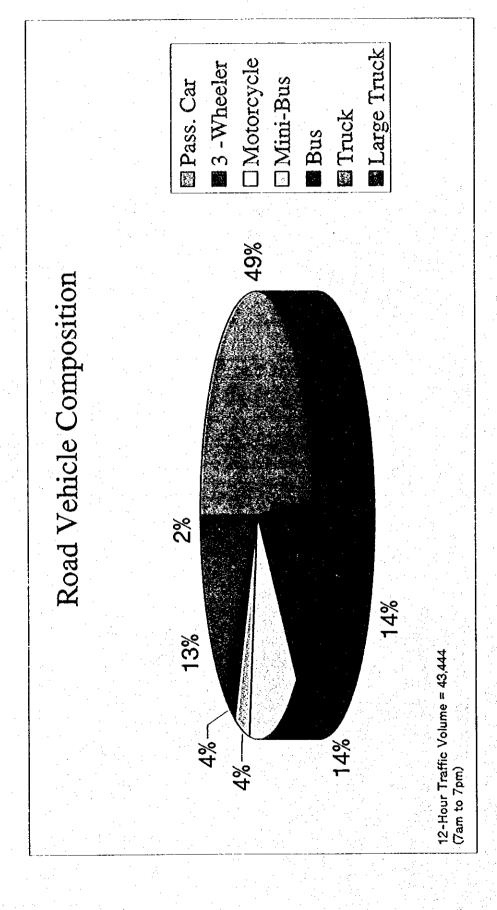


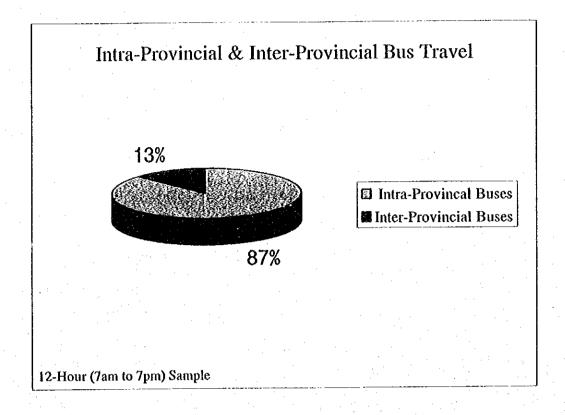
Number Of Samples : 1035 Sampling Rate : 3.1% Avg Veh. Occupancy : 1.5

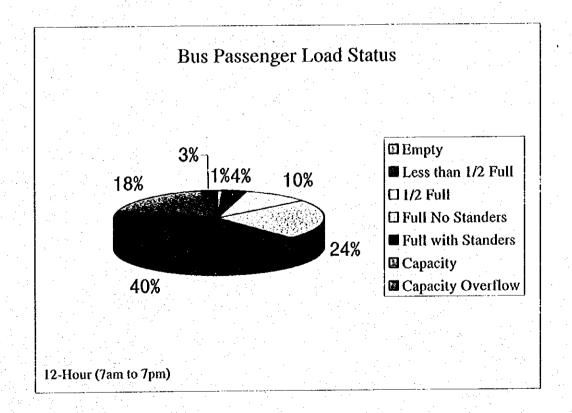
Freight Vehicle Trip Generation/Attraction

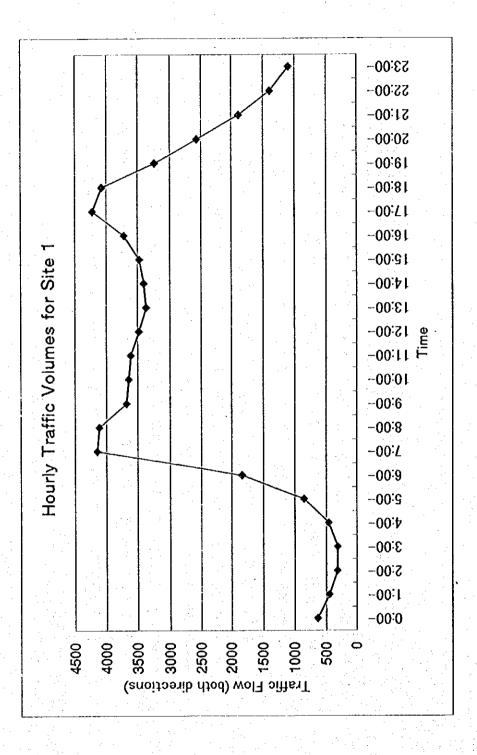


Number Of Samples : 742
Sampling Rate : 11.5%
Avg Veh. Occupancy : 1.7

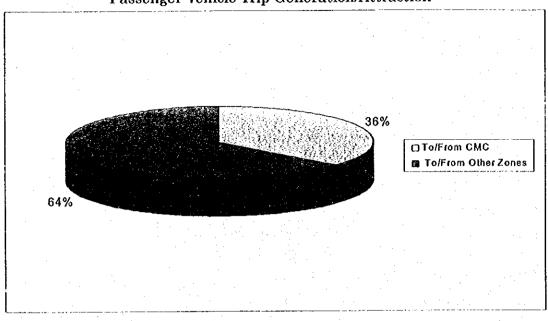






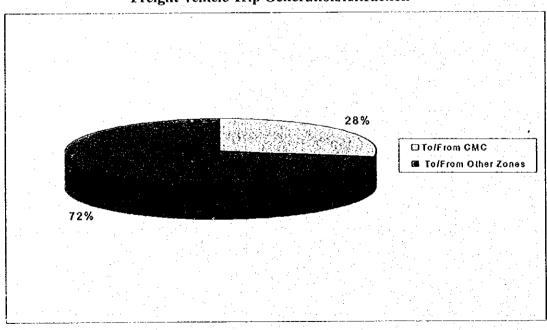


Passenger Vehicle Trip Generation/Attraction



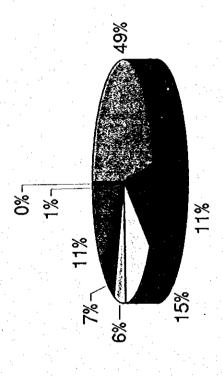
Number of Samples : 892 Sampling Rate : 4.4% Avg Veh. Occupancy : 2.5

Freight Vehicle Trip Generation/Attraction



Number of Samples : 324
Sampling Rate : 9.5%
Avg Veh. Occupancy : 2.5

# Road Vehicle Composition



☐ Motorcycle 3 -Wheeler

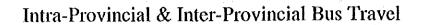
🛭 Pass. Car

☐ Mini-Bus ■ Bus

Large Truck

☑ Farm Veh. 图 Truck

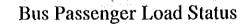
12-Hour Traffic Volume = 27,514 (7am to 7pm)

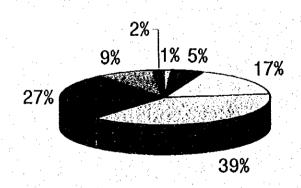




☑ Intra-Provincal Buses☑ Inter-Provincial Buses

12-Hour (7am to 7pm) Sample





☐ Empty

■ Less than 1/2 Full

□ 1/2 Full

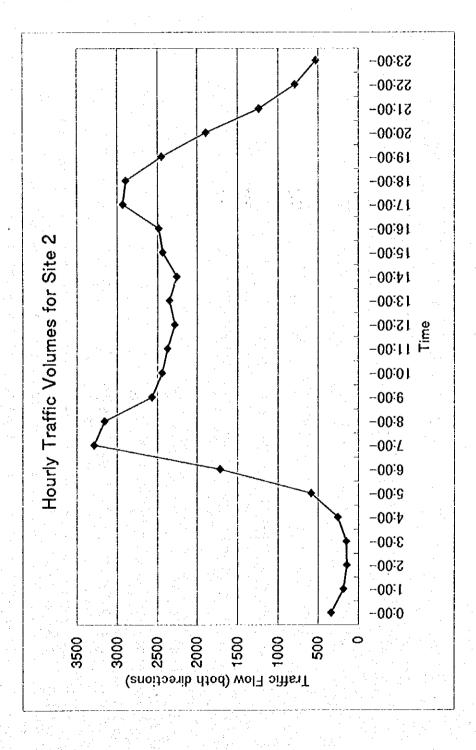
☐ Full No Standers

■ Full with Standers

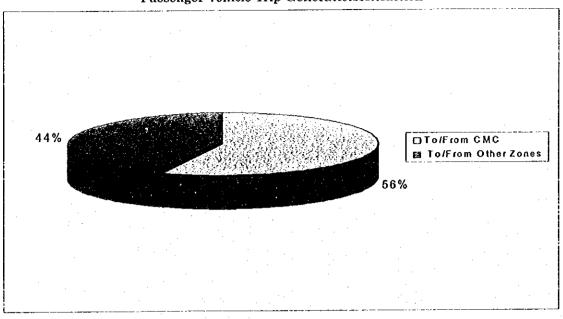
Capacity

Capacity Overflow

12-Hour (7am to 7pm)

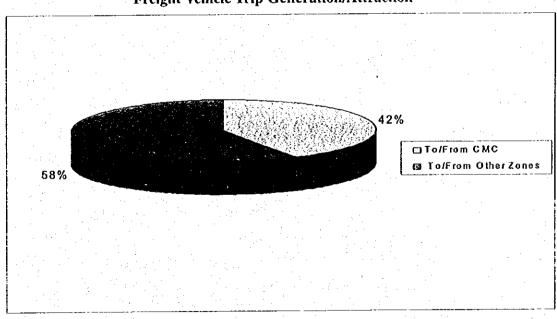


Passenger Vehicle Trip Generation/Attraction

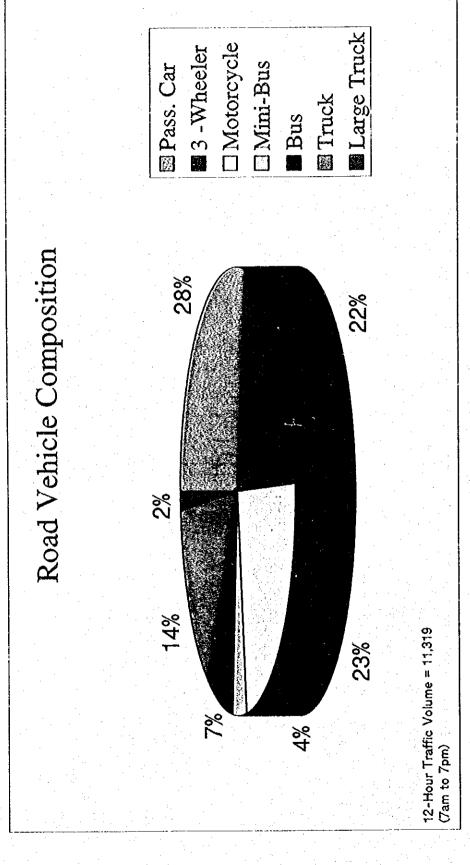


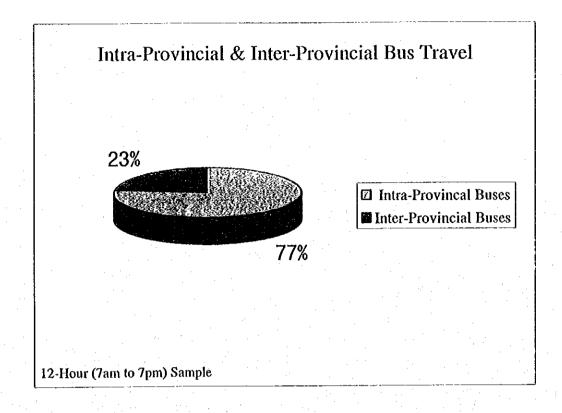
Number of Samples : 712 Sampling Rate : 8.7% Avg Veh. Occupancy : 2.5

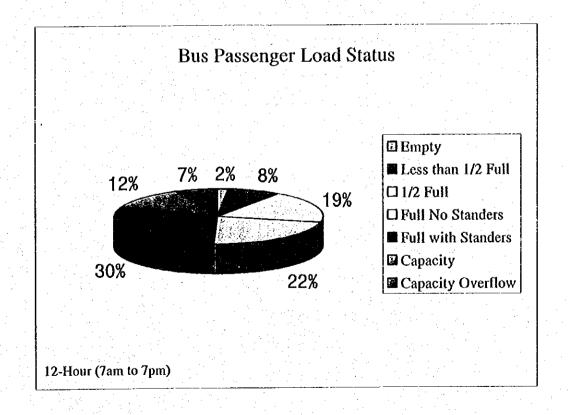
## Freight Vehicle Trip Generation/Attraction

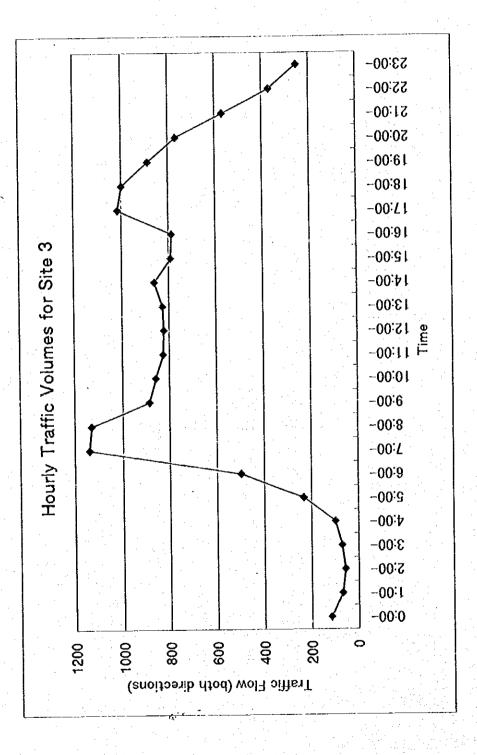


Number of Samples : 489
Sampling Rate : 26.9%
Avg Veh. Occupancy : 1.78

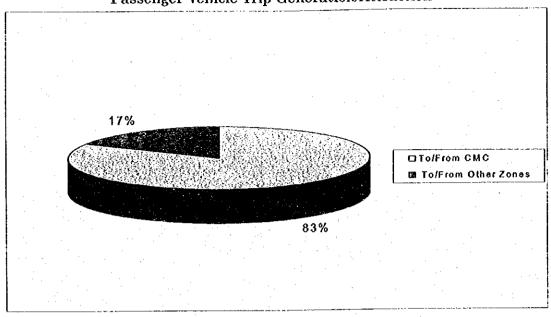






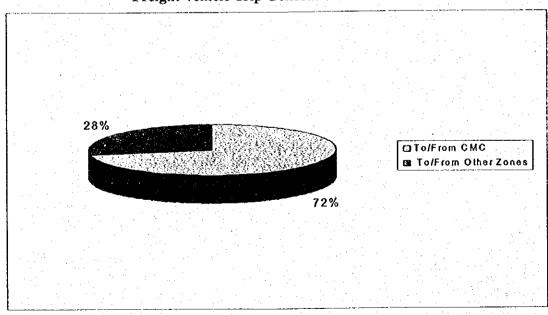




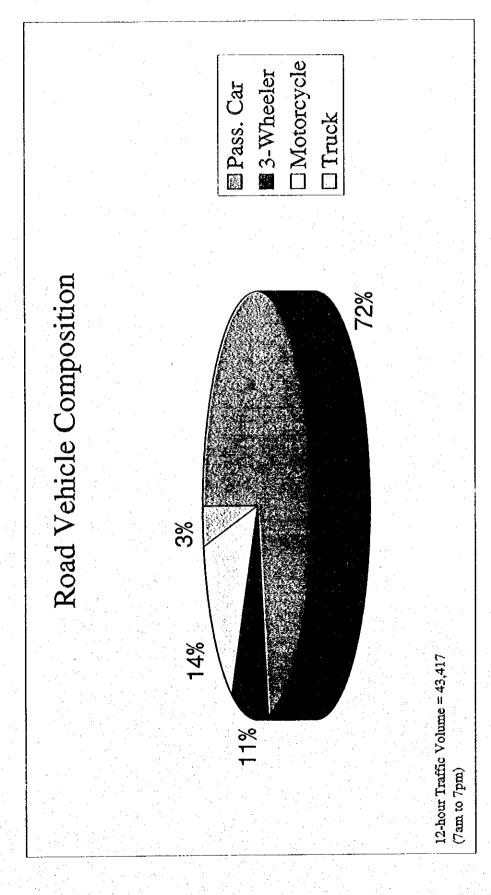


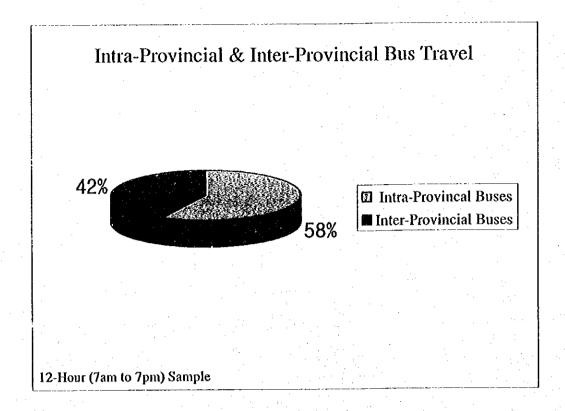
Number of Samples : 916 Sampling Rate : 2.2% Avg Veh. Occupancy : 2.2

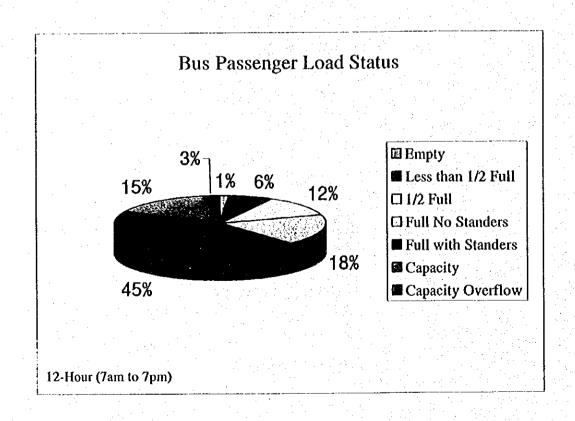
## Freight Vehicle Trip Generation/Attraction

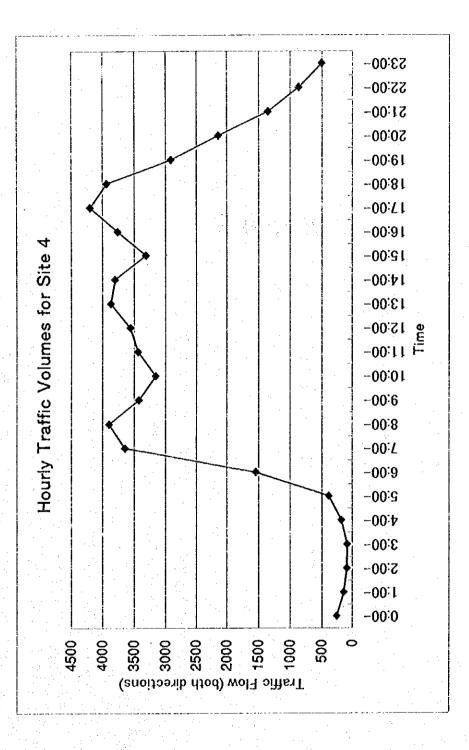


Number of Samples : 281
Sampling Rate : 19.7%
Avg Veh. Occupancy : 2.3

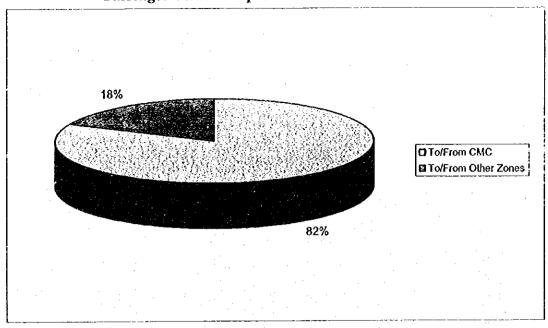






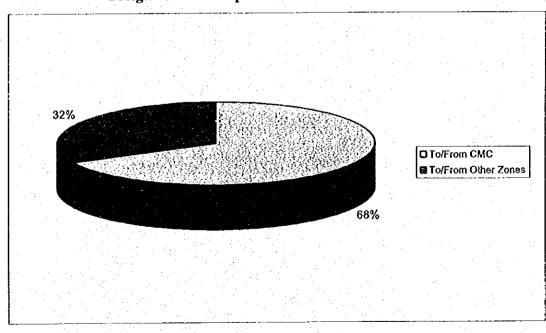


Passenger Vehicle Trip Generation/Attraction

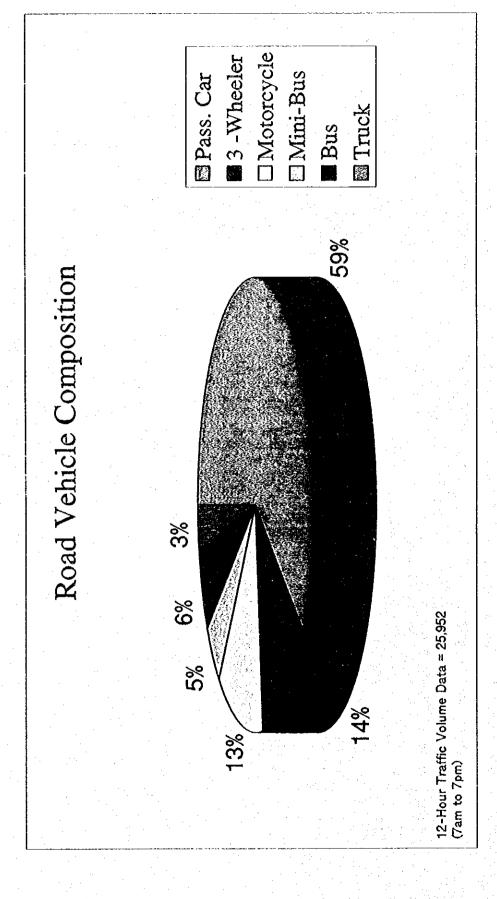


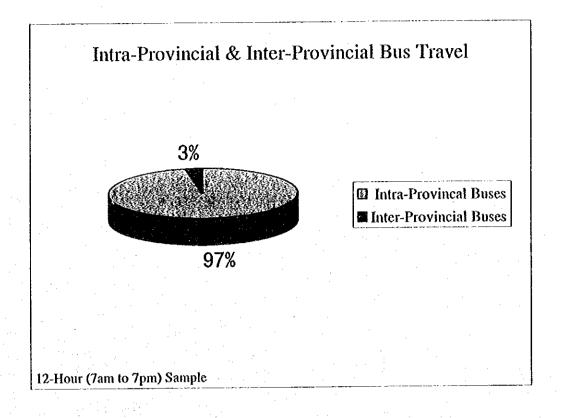
Number Of Samples: 1345 Sampling Rate: 6.0% Avg Veh. Occupancy: 2.0

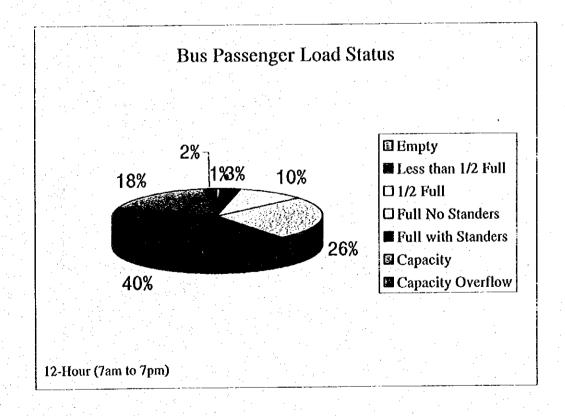
Freight Vehicle Trip Generation/Attraction

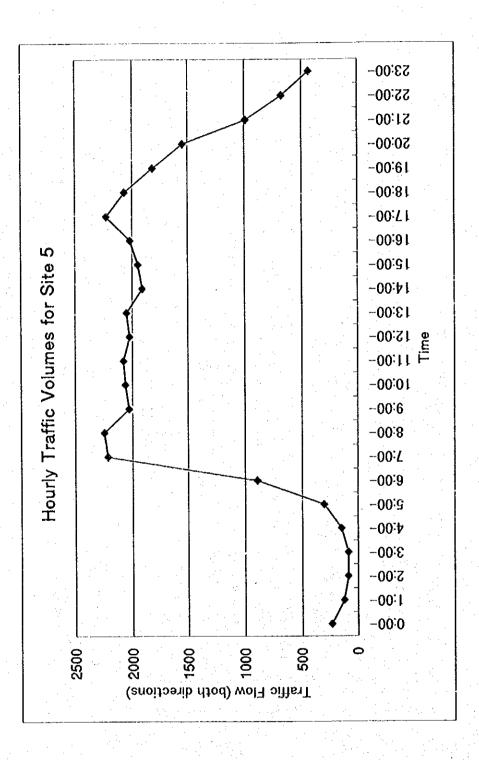


Number Of Samples : 438
Sampling Rate : 47.5%
Avg Veh. Occupancy : 2.3



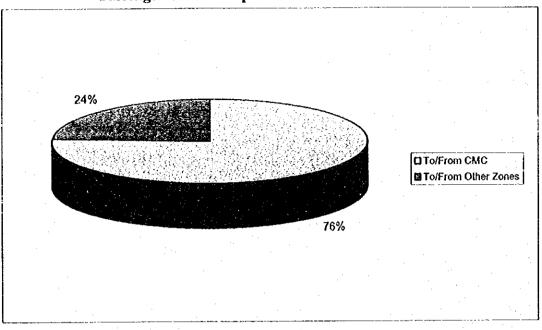






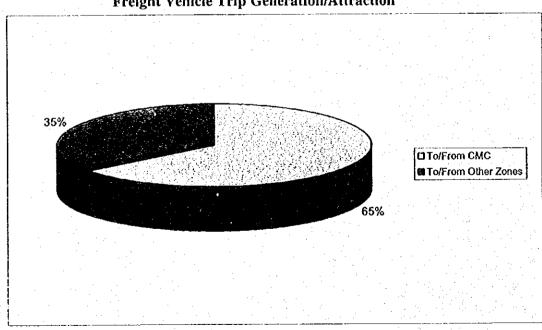
#### **OD Survey Extract**

Passenger Vehicle Trip Generation/Attraction



Number Of Samples : 1345 Sampling Rate : 8.0% Avg Veh. Occupancy : 2.4

Freight Vehicle Trip Generation/Attraction



Number Of Samples : 366
Sampling Rate : 43.5%
Avg Veh. Occupancy : 2.3

