APPENDIX

FOR ESTIMATION OF THE PRODUCER'S SURPLUS BENEFIT

PRV.	: SUMATERA	SELATAN	KAB.	: MUSI	RAWAS	SURVEY YEAR : 1982

	The state of the s	VIII . 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1	3/ NAWAS	SURVEY 1	EAR: 1982
Code No.	KECAMATAN NAME	CULTIVATED AREA: (PA)	YIELD RATE ; (Y)	FARMER'S POPULATION: (AP)	CIRCULATED COMMODITY: (PG)
01	TUGU MULYO / MA. BELITI	12,716	4.88	75,610	0
02	MUARA LAKITAN	3,646	2.35	35,820	0
03	MUARA KALINGI	4118	3.53	26,030	0
04	KOTA LUBUK LINGGAU	1.657	2.30	67,650	0
05	RAWAS ILIR	5,107	1.74	28,750	0
06	RAWAS ULU	2,108	1.61	22,430	0
07	MUARA RUPIT	1,888	4.47	32,800	0
08	JAYA LOKA	823	2.66	10,890	0
09	B. KEMUNING. L. ULU	3,491	5.45	46,070	0
<u> </u>					
	,				<u></u>
:				<u> </u>	
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				<u> </u>	
					
	L. A. L. C.			·	

	r ₁	¥2	۴ ₃	r4
ANNUAL % AVERAGE GROWTH RATE	4.0	3.0	3.5	4.8

FARMER'S CONSUMPTION : (Cp)	NON-AGRO REQUIRMENT : (NG)			
0.13 Ton/head/year	0.32 Ton/			

	SEDAN	BUS	TRUCK	MOTOR CYCLE
RATE OF EACH VEHICLE TYPE %	1.49	12.64	4.84	81.03

AVERAGE FREIGHT TONAGE	/.00 Ton/Truck
TONAGE	-150

Appendix A-2 Engineering Data

ROAD LINK DATA

PROVINCE : SUMATERA SELATAN

KABUPATEN: MUSI RAWAS

LINK	BEGINNING POINT	END POINT	LENGTH	THROUGH TH NAME & LE		DDMARKA
NO.	(DESA NAME)	(DESA NAME)	(KM)	KEC. NAME	LENGTH (KM)	REMARKS
01	Surulangun Rawas	Pulau Kidak	31	Muara Rupit Rawas Ulu	28	2
02	Muara Rupit	Bingin Teluk	35	Muara Rupit Rawas Ilir	31	3
03	Sp. Tanjung	Binjai	17	Muara Belingi	17	
04	Sp.Semambang	Sukakarya	12	Muara Belingi Jaya Loka	6	5
05	Sukakarya	Ngestiboga	24	Jaya Loka	24	6
06	Ngestiboga	Lb.Besar	14	Muara Beliti Jaya Loka	6 8	
07	Ngestiboga	Tambangan	21	Jaya Loka Muara Belingi	15 6	
08	Sukakarya	Binjai	15	Jaya Loka Muara Belingi	12	at .
09	Selangit	Tabagindo	9	BKL.Ulu	9	
10	Singkut	Bingin Teluk	70	Muara Rupit Rawas Ilir	28 42	
11	Bingin Teluk	Bts.Muba		Rawas Ilir		
12	Taba Pingin	Taba Rejo	6	Muara Beliti	6	7
13	Taba Rejo	Air Kati	8	Muara Beliti	8	
14	Mangun Harjo	Megang Sakti	21	Muara Belingi Tegu Mulya	10.5 10.5	1
15	Megang Sakti	Ma.Megang	11	Muara Belingi Muara lakitan	7 4	
16	Sp.Kelingi	Ps.Ma.Kelingi		Muara Belingi		
17	Simpang Tiga	Pelabuhan Lakitan		Muara Lakitan		
18	Ma. Rupit	J1.Trans		Muara Rupit		
19	Surulangur Rawas	S.Baung		Muara Rupit		
20	Jl.L.dalam K			Lubuk Linggu		Dalam Kota
21	A.Lb.Binggau Dusun Beli ti lama	Dusun Beliti Baru		Muara Beliti		
22			4			
23	Tabarejo	Sp. Temam	6	Muara Beliti	6	
24	Srikaton	Sitiharjo	10	Tugu Mulya Muara Beliti BKL. Ulu	5 3	8

Please note the priority No. in the Remarks of this list for each links No. according to the each Kabupaten's development plan.

ROAD LINK DATA

PROVINCE: SUMATERA SELATAN

KABUPATEN: MUSI RAWAS

LINK	INK BEGINNING END POINT POINT		LENGTH	THROUGH TH NAME & LE	DEMADUG	
NO.	(DESA NAME)	(DESA NAME)	(KM)	KEC. NAME	LENGTH (KM)	REMARKS
25	Mataram	Wukirsari	3	Tugu Mulya BKL. Ulu	1.5 1.5	
26	Wukirsari	Air Deras	10	BKL. Ulu	10	
27	Sumber harta	Pager sari	4	BKL.Ulu	4	
28	Sumber harta	Jamburejo	5	BKL. Ulu	. 5	
29	Dwijaya	Sidosari	12	Tugu Mulya	12	
30	Kalibening	Wonorejo	3	Tugu Mulya	3	
31	Trikoyo	Bumi Agung	9	Tugu Mulya	9	9
32	Kertasari	Pagersari	.6	Tugu Mulya BKL.Ulu	2 4	
33	Sp.Periuk	Lb.Tanjung		Lubuk Linggau Muara Beliti		4
34	Sp.Semangus	Ds.Semangus		Muara Lakitan		
35	Taba Tinggi	Pasenan	5	BKL. Ulu	5	
36	Karang Dapo (jl.Poros)	Transmigrasi S.Liam	24	Rawas Ilir	24	
37	Karang Anyar	S.Nibung	28	Rawas Ilir Muara Kupit	18 10	10
38	Lubuk Tanjung	Kesei I		Lubuk linggau		
39	Petanang	Batu pepe	4	Lubuk Linggau BKL.Ulu		
40	Sidorejo	Lb.Tanjung		Lubuk Linggau		
41	Kenanga II	Sr.Agung		Lubuk Linggau		
42	Sp. 3 Binjai	Pelawe	4	Muara Belingi	4	
43	Sp.Pertamina	Tambangan		Muara Belingi		
44	Pagersari	Desa Paku	5	BKL.Ulu Muara Belingi	4 1	
		: : : : : : : : : : : : : : : : : : :				

Please note the priority No. in the Remarks of this list for each links No. according to the each Kabupaten's development plan.

What Kind of Design Criteria has being applied for the new road construction and the improvement for the Kabupaten Road?

Kriteria Perencanaan yang dipakai pada program penanganan jalan Kabupaten, baik untuk jalan lama maupun pembangunan baru.

Please draw the Typical Cross Section of the Kabupaten Road. Buat gambar dan penjelasan dari: Typical cross section yang dipakai pada program penanganan jalan selama ini (baik untuk jalan lama, maupun pembangunan baru)

TYPICAL CROSS SECTION.

JALAN TANAU

LOCATION AND COSTS OF THE KABUPATEN

ROADS CONSTRUCTED OR INPROVED IN 1981/1982

Biaya konstruksi penanganan

jalan dan jembatan Kabupaten thn. 1981/1982

LINK NO .: Nomor	LOCATION From - To	Lebar per- kerasan(m)	Type perm kerasan	LENGTH Panjang	COSTS Harga	REMARKS Keterang-
Ruas	(dari - ke)	Lebar Jembatan	Type . Jembatan	(KM)	(Rp 10 ⁶)	an
38	Jalan Kesie I dan Rehab. Jembatan	3 1.5	Kerikil Jbt.Gantung	0.8	3.600	APBD TK I
02	Jl.Marupit-B.Teluk	4	Kerikil	35.0	35.000	
	J1.Sp.Babat-Kp.O Jembatan	3.5	Kerikil Besi	2.5 7 bh	39.795	APBD TK I
31	J1.Kp.F-Bumi Agung	4	Kerikil	8.8	66.275	Inpres Dt
20	Jl.Terminal Bus-Renc.	4	Aspal	1.1	41.698	
	Stasiun KA.Jembatan	3.5	Besi	1 bh		
05	Jl.Sukakarya-Ngestiboga	4	Kerikil	2.8	36.240	
18	Jl.Ibu Kota Ma.Rupit	4	Aspal	1.6	27.400	
16	Jl.Ibu Kota Kec.Mo.Kelingi	4	Aspal	2.2	8.359	
20	Jl.Letkol.Atmo-Patimura	3	Aspal	0.8	14.600	
20	Jl.Depati-Said-Gentayu	3	Aspal	0.5	14.500	
	Jl.Sp.Babat-Kp.O.Jembatan	4	Kerikil Besi	17 12 bh	76.000	Penun.Jala Kab.
24	J1.Kp.B-E	3	Kerikil	5	14.250	
24	J1.Kp.H - Km	4	Kerikil	4	11.400	
		erregge - Televis Albert Albert Agents				
·						

^{*} PAVENENT TYPE : Pls note the appropriate No. below.

- 1. : Asphalt surface / penetrasi macadam
- 2. : Asphalt seal / pelaburan aspal
- 3. : Gravel / kerikil
- 4. : Gravel /AWCAS / kerikil / japat

LOCATION AND COSTS OF THE KABUPATEN

ROADS CONSTRUCTED OR INPROVED IN 1982/1983

Biaya konstruksi penanganan

jalan dan jembatan Kabupaten thn. 1982/1983

				<u> </u>		
NO TINK	LOCATION From - To	Lebar per- kerasan(m)	Type per- kerasan	LENCTH Panjang	COSTS Harga	REMARKS
Nomor Ruas	(dari - ke)	Lebar Lembatan	Type Jembatan	(км)	(Rp 10 ⁶)	Keterang- an
12	Jl.Tabapingin-Tabarejo Jembatan	4 3.5	Kerikil	6.1 5 bh	60.000	Inpres TK
41	Jl.KenangaII-Sirino Agung	4	Kerikil Aspal	5,7	45.000	
01	J1.Sr.Rawas-P.Kidak Jembatan	4	Kerikil	12.0 12 bh	79.034	
43	J1.Sp.Pertamina - Ds. Tambangan	4	Kerikil	2.0	20.000	
13	Jl.Tabarejo-A.Kati Jembatan	4 3.5	Kerikil	8.3 2 bh	50.000	<u></u>
25	J1.Kp.Mataram-Wukirsari	4	Kerikil	2.5	15.000	
15	J1.Kp.O-Megang-Sakti Jembatan	3.5	Kerikil kayu	16.0 4 bh	110.000	Penun. J1.Kab.
44	Jl.Kp.Sumberharta - Kp. Sumbersari	4	Kerikil	6	35.000	3211000
32	J1. Kp.S - Kp.U	4.	Kerikil	6	57.720	
06	J1.Lb.Besar-Ngestiboga	4	Kerikil	13	36.000	
02	J1,Mandiangin-B.Teluk	4	Kerikil	11	40.000	
	J1.Sp.Semangus-Ds.Semangus	3	Kerikil	2	10.000	
			1			
:						
·						

^{*} PAVEMENT TYPE : Pls note the appropriate No. below.

1. : Asphalt surface / penetrasi macadam

2. : Asphalt seal / pelaburan aspal

3. : Gravel / kerikil

4. : Gravel /AWCAS / kerikil / japat

LOCATION AND COSTS OF THE KABUPATEN

ROADS CONSTRUCTED OR INPROVED IN 1983/1984

Biaya konstruksi penanganan

jalan dan jembatan Kabupaten thn. 1983/1984

LINK	LOCATION	Lebar per- kerasan(m)	Type per- kerasan	LENGTH Panjang	COSTS Harga	REMARKS
Nomor Ruas	From - To (dari - ke)	Lebar Jembatan	Type Jembatan		(Rp 10 ⁶)	Keterang- an
33	J1.Poros Sp.Periuk - Lb.Tanjung	4.5 3.5	Kerikil Besi	17.6 4 bh	18.499	Perun. Jl. Kab.
15	Jl.Mg.Sakti-Mamegang	4.0 3.5	Kerikil Besi	11.00 2 bh	94.730	
38	J1.Sidorejo-Lb.Tanjung	4.0	Kerikil	3.9	2.745	Jl.Inpres Tk. II
20	J1.Depati Said	4.0	Aspal	3.4	51.263	:
26	J1.Kp.Srimulyo-Wk.Sari	3.5	Kerikil Besi	6.5 3 bh	95.007	
17	J1.Dlm.Kota Malakitan	4.0	Aspal	2.0	40.000	
02	J1.Marupit-B.Teluk Jembatan	4.0	Kerikil Besi/Kayu	Tempat 2ygrusak	1 "	
42	J1.Sp.Pertyamina-Tambangar		Kerikil	4.0	20.000	
38	Jl.Irigasi-Kesie I Jembatan Gantung	3.0 1.5	Kerikil Besi	1.4 0.02	12.189	
20	Pemeliharaan Jl.dlm.kt.LLC	3 4.0	Aspal	6.6	25.956	
20	J1. Nanas LLG	4.0	Aspal	0.4	2.316	
•						
		,				
		•				

^{*} PAVEMENT TYPE : Pls note the appropriate No. below.

1. : Asphalt surface / penetrasi macadam

2. : Asphalt seal / pelaburan aspal

3. : Gravel / kerikil

4. : Gravel /AWCA5 / kerikil / japat

LOCATION AND COSTS OF THE KABUPATEN

ROADS CONSTRUCTED OR INPROVED IN 1984/1985

Biaya konstruksi penanganan

jalan dan jembatan Kabupaten thn. 1984/1985

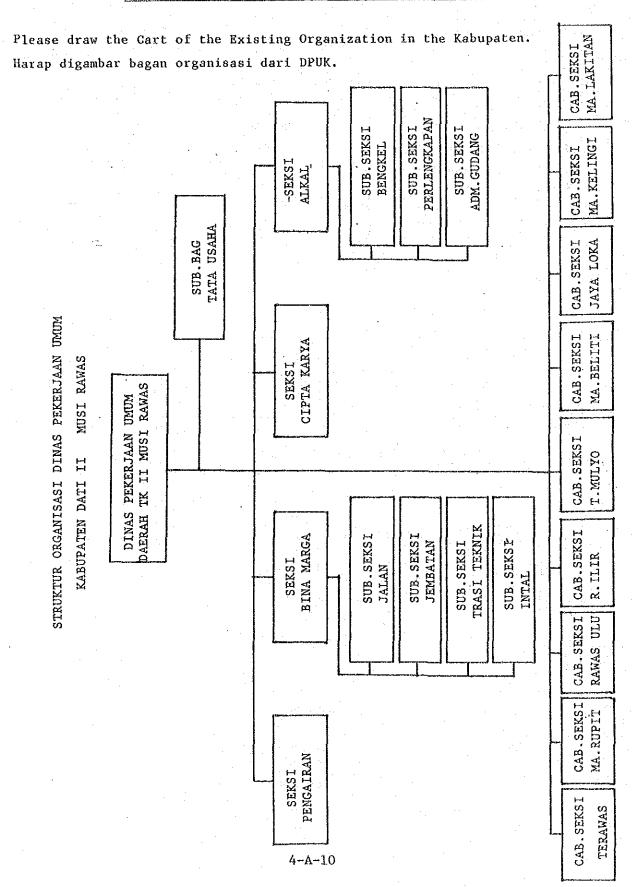
	and the second s					-
LINK	LOCATION	Lebar per-	Type per-	LENGTH	COSTS	REMARKS
NO Nomor	From - To	kerasan(m)		Panjang		Keterang
Ruas	(dari - ke)	Lebar Lembatan	Type Jembatan	(KM)	(Rp 10 ⁶)	
06	Lb.Besar-Ngestiboga	3	Aspal	14 7 bh	256	Penun. J1.Kab.
04	Sp.Semambang-Sukakarya	4	Kerikil	12 4	112	
28 30	Sumberharta-Jamburejo & Kalibening-Surodadi	4	Kerikil Kerikil	9	102	
20	Apgreding J1.Ling.Kotib	3	Kerikil	1.3	26.150	Inpres Dati II
						DUCK II
·						
		:	1			
		-				
•			4.			
*						
	·					

^{*} PAVEMENT TYPE : Pls note the appropriate No. below.

- 1..: Asphalt surface / penetrasi macadam
- 2. : Asphalt seal / pelaburan aspal
- 3. : Gravel / kerikil
- 4. : Gravel /ANCAS / kerikil / japat

EXISTING ORGANIZATION IN KABUPATEN

Structur Organisasi yang ada dari P.U Kabupaten



EXISTING STAFF RESOURCES OF BINA MARGA OF PU KABUPATEN

Tenaga Dinas PUK yang ada

PROPINSI: SUMATERA SELATAN KABUPATEN: MUSI RAWAS

DESCRIPTION /Urajan	NUMBER / Jumlah	REMARKS Keterangan
CONTROLING STAFF Staff teknis PUK		
DPUK ENGINEED Sarjana Teknik		•
ASSISTANT ENGINEER Sarjana Muda Teknik		
TECHNICIAN STAFF Staff Teknik (STM)		
ADMINISTRATION Tenaga Administrasi		
SUPERVISOR Tenaga Pengawas		
. WORKING FORCE Tenaga Pelaksana Lapangan		
OPERATORS Operators		
DRIVERS Supir		
MECHANICS Mechanic		
TRADESMAN Tukang		
L A B O U R Buruh / Pekerja		
OTHERS Lain-lain		
TOTAL / JUMLAU		

Catatan ; Untuk kolom keterangan harap diisi berapa orang yang telah mendapat Training.

LOCATION AND AREA OF DPUK WORKSHOP

Lokasi Workshop DPUK

PROPINSI : SUMATERA SELATAN

KABUPATEN: MUSI RAWAS

LOCATION Lokasi	AREA (m2) Luas	NUMBER Jumlah	REMARKS Keterangan
TB. PINGIN	20,000	1	Rencana

PROPINSI: SUMATERA SELATAN

E-07

KABUPATEN: MUSI RAWAS

LAND ACQUISITION COST
Daftar harga pembebasan tanah

DESCRIPTION Uraian	UNIT Satuan	RATE (RP) Harga	REMARKS Keterangan
CITY/kota	M2	25,000	
VILLAGE / desa	M2	5,000	
RICE FIELD/sawah	M2	5,000	
DRY FIELD/ladang	M2	2,500	
MIX CROPS/panen	M2	2,500	
FOREST/hutan	M2	500	
SWAMP / rawa	M2		
OTHERS / lain-lain	M2		

Classification of local contractors at Kabupaten level.

Klasifikasi kontraktor di Kabupaten

COMPANY NAME Nama Kontraktor	CLASS Kelas	CAPITAL Modal (Rp)	NUMBER OF EMPLOYEE Jumlah pegawai	REMARKS Keterangan
	A1		25	
8	A2		18	
26	B1		15	
11	В2		12	
65 ·	C1		8	-
53	C2		5	
				,
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			:	
			·	
•			· · · · · · · · · · · · · · · · · · ·	

NOTE: DATI II

LIST OF EXISTING EQUIPMENT OF LOCAL CONTRACTOR

NAME OF EQUIPMENT	EXISTIN	ig coni	OITION	Kondi	si Peral	atan	REQUIRE -
Jenis peralatan	TYPE/	P.Y	NUMBE	R / Ju	mlah	REASON OF	MENT / Ke- butuhan peralatan
	Tipe		GOOD Baik	BAD Rusak	TOTAL Jumlah	rion/Sebal Kerusakan	baru
Bulldozer							•
Motor Grader			,				
Tyre Roller							
Steel Whell Roller						a accumply support years against the first property of the second	الله الله الله الله الله الله الله الله
Vibration Roller							
Wheel Loader							
Front End Loader and Backhoe							
Mobile Crane							
Concrete Mixer							
Stone Crusher	,						
Portable Compressor							
Hydraulic Excavator							
Asphalt Paving Machine							
Asphalt Sprayer			1				
Asphalt Mixing Machine							
Mobile Workshop							
Mechanic Rammer						. :	
Plate Tamper							
Pile Driver							
Leg Drill							
Hand Hammer							
Farm Tractor							
Dump Truck							
Water Tank Truck							
Fuel Tank Truck							
Pick Up							
Jeep							
Motorcycle							
Generator							
Water Pump							
Others							
Exavafator Mini							

LIST OF EXISTING EQUIPMENT OF P.U KABUPATEN

NAME OF EQUIPMENT	EXISTIN	latan	REQUIRE -					
Jenis peralatan	TYPE/ Tipe	P.Y	NUMBI GOOD Baik	ER / Ju BAD Rusak	TOTAL	REASON OF BAD CONDT FION/Sebal Kerusakan		
Bulldozer				, and an		inc rusakan	2	
Motor Grader			-	-			3	
Tyre Roller			-	-	:	-	2	
Steel Whell Roller	6/3 to	n	5	3	8	Engine	1.	
Vibration Roller						· · · · · · · · · · · · · · · · · · ·	1	
Wheel Loader				<u> </u>			2	
Front End Loader and Backhoe			-				1	
Mobile Crane							2	
Concrete Mixer							3	
Stone Crusher		.~~~	-				2	
Portable Compressor	3						2	
Hydraulic Excavator							1	
Asphalt Paving Machine					·		1	
Asphalt Sprayer	KS60SK	1984	1 .		1		2	
Asphalt Mixing Machine		 -					1	
Mobile Workshop	•						1	
Mechanic Rammer							3	
Plate Tamper	NP 100	1982	4		4		3	
Pile Driver					:		1	
Leg Drill							2	
Hand Hammer							, 5	
Farm Tractor								
Dump Truck							15	
Water Tank Truck							2	
Fuel Tank Truck							2	
Pick Up		1983	1	ļ	1		3	
Jeep		1983	1		1		2	
Notorcycle				<u> </u>			5	
Generator			<u> </u>	<u> </u>	·		1	
Water Pump							2	
Others			<u> </u>	<u> </u>		<u> </u>	ļ	
Exavafator Mini		-	<u> </u>				2	

Appendix A-3 CONSTRUCTION AND MAINTENANCE COST FOR PROPOSED ROAD LINKS

PROV : SUMATERA SELATAN KAR : MUSI RAWAS

LINK NO : 31 (IIIA) LENGTH : 9 Km

UPGRADE : 6.0m road bed, 4.0m road with surface Dressing (2)

							(Rp)
1.T.E.H	TINU	QUANTITY	(((UNIT	COST >>> FOREIGN	\\ L0CAL	CCCC COST	>>>>> TOTAL

				7/		$x_{i,j} = \{x_i \in \mathcal{X}_i \mid x_i \in \mathcal{X}_i\}$	
ite Clearance in Light Bush	# 2	0.0	161	91	0	0	
ubgrade Preparation	a2	13620.0	21	- 11	286,020	149,820	435,84
ormal Fill	a3	0.0	1,657	940	0	0:	
ill in Swamp	m3	270.0	2,463	1,049	665,010	283,230	948,24
ormal Excavation to Spoit	•3	16.0	966	521	15,456		23,79
ub Rase Course	e3:	2116.0	3,132	1,343	6,627,312		9,469,10
ase Course	a3	2880.0	4,297	2,293	12,360,960		18,764,80
houl der	a 2	0.00081	291	145	5,238,000		7,848,00
sphalt Patching	a2	0.0	3,506	1,492	0,202,000		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
urlace Dressing (Single)	.2	0.0	639	731	n	0	
urface Dressing (Double)	e2	36000.0	789	1,151	28,404,000		69,840,00
arth Drain	D.	0.0	814	118	20,701,000	י אינוייין ני	071019100
				473	V 001 007 1	567,600	1 051 10
arth Drain in Swamp (by machine)	. a3	1200.0	1,158		1,389,600	701,040	1,957,20
ipe Culvert DBOca	R	0.0	42,996	42,490	Ų	Ų	
asonry Culvert (80x80cm)	#	0.0	61,277	35,035	Ų	0	
etaining Hall and Ning Hall (Timber)	m2	0.0	10,762	245	. 0	0	
etaining Wall and Wing Wall (Masonry)	a 3	0.0	45,127	11,465	0) <u>(</u>)	•
abion Protection	. a3	0.0	13,277	120	Ó	0.00	:
ем Bridge (Timber)	SET	1.0			. 0	Ó	
ем Bridge (Concrete)	SET	1.0				0	
			Sub Total		54,986,356	3 54,500,614	107,485,77
			300 10(41		91,300,300) 31,500,1011	[01]100]11
verhead (15%)	٠.				8,247,953	8,175,092	16,423,0
			*****			49 175 764	
	1		TOTAL COST		63,234,311	62,675,706	125,910,0
	:•			:			•
unual routine maintenance of road	Kø	9.0	132,252	7,248	1,190,268	65,232	1,255,5
outine maintenance of asphalt road	Ka	9.0	350,400	148,200	3,155,400	•	4,489,2
notice potutenance of apprais 1000	VB	710	Sub fotal	•	4,345,666		
aintenance of Timber Bridge (New)	-1				1,111,000		9),44114.
	#2 #1	0.0	7,487	1,343	(•	
aintenance of Concrete Bridge (New)	#2	0.0	1,818	2,591		•	
aintenance of Timber Bridge (Exist)	⇒ ≱ 2	10.5	7,533	2,513	79,098		
aintenance of Concrete Bridge (Exist)	. e2	26.5	4,153	2,360	110,054	62,540	172,5
			Earthwork &			(Rp/Km)	13,990,0
			limber	Dridge U	nit Cost	(Rp/#2) :	
* * * * * * * * * * * * * * * * * * * *					11 0 1	(0-1-2)	
			Concrete	Bridge U	nit Cost 📑	(Rp/#2) t	
					nit Lost		12,316.4
			Concrete Survived Haintenance	Value		46.	12,316,4

PROV.

SUMATERA SELATAN

KAB : MUSI RAWAS

LINK NO

37 (111A)

LENGTH : 28 Km

UPGRADE : 8.0m road bed, 5.0m road with surface Dressing (2)

							(Rp)
1761	TINU	YTTTHAUG	<<< UNI LOCAL	FOREIGN	(((Local	COST FOREIGN	*>>>> *101A
		****		7 2 2 2 4 mp m m			
Site Clearance in Light Rush	e2	0.0	161	91	0		
Subgrade Preparation	a 2	224000.0	21	11	4,704,000	2,464,000	1 140 66
Hormal Fill	a3	0.0	1,657	890	0,701,000	2,101,000 0	7,168,00
Fill in Swamp	#3	202.5	2,463	1,049	498,757	217,422	711 17
Normal Excavation to Spoil	#3	6926.0	966	521	6,593,916		711,17
Sub Base Course	a 3	19600.0	3,132	1,343		3,556,346	10,150,26
Base Course	43	11200.0	4,297	•	61,387,200	26,322,800	87,710,00
Shoul der	e2	81000.0	291	2,293	48,070,400	25,681,600.	73,752,00
Asphalt Patching	s2			145	24,444,000	12,180,000	36,624,00
Surface Dressing (Single)	#2	0.0	3,506	1,482	0	0	
Surface Oressing (Double)		0.0	639	731	0	0	
Earth Drain	62	140000.0	789	1,151	110,460,000	161,140,000	271,600,00
	A	2800.0	814	118	2,279,200	330,400	2,609,60
Earth Drain in Swamp (by machine)	Ea.	900.0	1,158	473	1,042,200	425,700	1,467,90
ipe Culvert 080ca	B	184.0	42,996	42,490	7,911,264	7,818,160	15,729,47
lasonry Culvert (80x80cm)	8	0.0	61,277	36,035	0	. 0	
Retaining Wall and Wing Wall (Timber)	e2	0.0	10,762	245	0	0	19 9 9
etaining Wall and Wing Wall (Masonry)	н3	73.6	45,127	11,465	3,321,347	843,824	4,165,1
Sabion Protection	. n3	0.0	13,277	120	0	. 0	
len Bridge (Tieber)	SET	1.0			. 0	. 0	
lew Bridge (Concrete)	SET	1.0	· ~-	*!-	9,296,196	5,794,196	15,090,39
			Sub Total		280,008,480	246,769,448	526,777,92
Overhead (15%)					42,001,272	37,015,417	79,016,68
			TOTAL COST	•	322,009,752	283,784,865	605,794,61
				************			***************************************
fanual routine maintenance of road	· Ka	28.0	132,252	7,248	3,703,05&	202,944	3,906,00
loutine maintenance of asphalt road	k n	28.0	350,600	148,200	7,816,800	•	13,966,4
active satisfies at aspirate rode		2011	Sub Total	7.01200	13,519,856	4,352,544	17,872,40
laintenance of Timber Bridge (New)	a2	0.0	7,487	1,343	13,311,030	0.	17 1072,11
laintenance of Concrete Bridge (New)	a 2	36.0	1,918	2,591	65,448	93,276	158,7
laintenance of timber Bridge (Exist)	n2	367.5	7,533	2,513	2,769,377	923,527	3,491,91
aintenance of Concrete Bridge (Exist)	#Z	0.0	4,153	2,360	T,100,311	123,327	2,011,11
athrenance of courters by toke texters	21	V.V	41100			V	
							*
			Earthwork &			Rp/Kml :	21,015,7
			Timber	•		Rp/#21 :	
			Concrete .	-	nit Cast 👭	Rp/#2) :	182,0
			Survived	Value		(Rp) :	95,967,9
			Haintenance	Rate withou	t Bridge	(%) :	3,0
		-	New Bridge	Cost Rate		(%) :	2.1

PROV : SUMATERA SELATAN

KAB : MUSI RAWAS

LINK NO : 29 (IIIA)

LENGTH : 12 Km

UPGRADE : 8.0m road bed, 4.0m road with surface Dressing (2)

·							(Rp)
1 T E N	UNET	QUANTITY	(((UNIT LOCAL	COST >>> FOREIGN	(((((COST FOREIGN	>>>>> TOTAL
Site Clearance in Light Bush	. e2	0.0	161	91	. 0	0	0
Subgrade Preparation	- 2	48000.0	21	11	1,008,000	528,000	1,536,000
Normal Fill	a 3	0.0	1,657	870	0	0	0
Fill in Swamp	a3	0.0	2,463	1,049	0	0	0
Normal Excavation to Spoil	a 3	718.0	766	521	722,568	387,708	1,112,278
Sub Base Course	aJ	4412.0	3,132	1,343	13,818,384	5,925,316	19,743,700
Rase Course	a 3	3840.0	4,292	2,293	16,481,280	8,805,120	25,286,400
Shoulder	e2	48000.0	271	145	13,768,000	6,960,000	20,928,000
Asphalt Fatching	#2		3,506	1,482	0	01.501100	0
Surface Dressing (Single)	-2		639	731	0	0	0
Surface Dressing (Double)	2		769	1,151	37,872,000	55,248,000	93,120,000
	• 2	11960.0	814	811	9,735,440	1,411,280	11,146,720
Earth Drain Cash Deain in Cuseo (by Machine)	B 3	0.0	1,158	473	0	0	1111101120
Earth Drain in Swamp (by machine)		0.0	42,996	42,490	ů	. 0	Č
Pipe Culvert D80cm	P				0	Ô	0
Nasonry Culvert (80x80ca)	8	0.0	61,277	36,035	V .	0	
Retaining Wall and Wing Wall (Timber)	#2		10,762	245		,	
Retaining Wall and Wing Wall (Masonry)	#3		45,127	11,465	0		,
Gabion Protection	a3		13,277	120	0	v n	
New Bridge (Timber)	SET	1.0			V		Ų
New: Bridge (Concrete)	SET	1.0			0	0	Ų
			Sub Total		93,605,672	79,267,424	172,873,096
Overhead (15%)					14,040,850	11,890,113	25,930,963
			INTAL COST		107,646,522	91,157,537	198,804,059
	•		TOTAL COST		101 1010 1255	1111111111	11010011001
Manual routine maintenance of road	Ke	12.0	132,252	7,248	1,587,024	86,976	1,674,000
Routing maintenance of asphalt road	Ka		350,600	148,200	4,207,200	1,778,400	5,985,60
water the maniference of eshuate inde	na	12.10	Sub Total	7.1412.4	5,794,224	1,865,376	7,659,60
Maintenance of Timber Bridge (New)	a 2		7,497	1,343	0	0	
Haintenance of Concrete Bridge (New)	- 2		1,919	2,591	Ō	0.	
Maintenance of Timber Bridge (Exist)	e2		7,533	2,513	421,849	140,728	562,57
Maintenance of Concrete Bridge (Exist)	42		4,153	5,360	0	0	
istilicensite of contract through textsty	PL		11.00	11000			
	P-48700						
· · · · · · · · · · · · · · · · · · ·	-		Earthwork &	Pavement U	nit Cast (Rp/	Kal 1	16,567,00
			Tieber	Bridge U	nit Cost (Ap/	a2) :	* *
			Concrete	Oridge U	nit Cost (Rp/	n2) :	
			Survived	Value	· · · · · · · · · · · · · · · · · · ·	(p) t	22,116,56
			Haintenance	Rate withou	t Bridge ()	· ·	3.8
•			Helicanance	NOTE RICHOU	certuge sa	1	0.0

PROV

SUMATERA SELATAN

KAB : MUSI RAWAS

1. 1MK NO

26 (111A) LEMETH : 10 Km ,

UPGRADE : 8.0m road bed, 5.0m road with surface Dressing (2)

						- ' .	(Rp)
TIEN STEEL S	UNIT	QUANTITY	CCAL LOCAL	COST >>>	((((Local	COST FOREIGN	////// A101
						1 000 100	
Site Clearance in Light Bush	_		•			•	
	A 2		161	91	0	. 0	ı
Subgrade Preparation	a2	80000.0	21	11	1,480,000	880,000	2,560,00
Kormal Fill	#3	0.0	1,657	840	., .,	0	*1000100
Fill in Swamp	£8.	0.0	2,463	1,049	0	0	. *
Normal Excavation to Spoil	a3	1400.0	766	521	1,352,400		0 449 00
Sub Pase Course	. 63	7000.0	3,132	1,343		729,400	2,081,80
Base Course	#3	4000.0	4,292		21,924,000	9,401,000	31,325,00
Shoulder	m2	30000.0		2,293	17,168,000	9,172,000	26,340,00
Asphalt Patching	#2		291	145	8,730,000	4,350,000	13,080,00
Surface Oressing (Single)		0.0	3,506	1,492	0	0	
Surface Dressing (Double)	# 2:	0.0	639	731	0	. 0	
	m 2	50000.0	.789	1,151	39,450,000	57,550,000	97,000,00
Earth Drain	R	11500.0	814	118	9,361,000	1,357,000	10,718,00
Earth Drain in Swamp (by machine)	n3	0.0	1,158	473	0	0	**,,,**
Pipe Culvert D80cm	4	0.0	42,996	42,490	0	0	
Nasonry Culvert (80x80ca)		0.0	61,277	36,035	ñ		
Retaining Wall and Wing Wall (Timber)	# 2	0.0	10,762	245	Ô	· A	·
Retaining Wall and Wing Wall (Masonry)		0.0	45,127	11,465	۷		
Gabion Protection	. a3	0.0			V	V	
New Bridge (Timber)			13,277	120	0	0	
	SET	1.0		 .	0	0	
New Bridge (Concrete)	SET	1.0			31,332,114	21,627,444	52,959,55
			Sub Total		130,997,514	105,066,844	236,064,35
Ower transfer of the transfer							
Overhead 1 15%)					19,649,627	15,760,026	35,409,65
	*****		TOTAL COST		150,647,141	120,826,870	271,474,01
fanual routine maintenance of road	Ka	10.0	132,252	7,248	1,322,520	72 490	1 705 00
Routine maintenance of asphalt road	Ka	10.0	350,600	148,200		72,480	1,395,00
ansering methodiance of aspirate toes	K.M	10.0		110,200	3,506,000	1,492,000	4,988,00
Wainkanana at 11-bas Baidan 195. t	- 7		Sub Total		4,828,520	1,554,480	6,383,00
Maintenance of Timber Bridge (New)	a2	0.0	7,487	1,343	0	0	
Maintenance of Concrete Bridge (New)	a 2	139.5	1,818	2,591	253,611	361,444	615,05
Maintenance of Timber Bridge (Exist)	#2	14.0	7,533	2,513	105,462	35,182	140,64
Maintenance of Concrete Bridge (Exist)	a2	17.5	4,153	2,360	72,677	41,300	113,77
·							
			Farthwork k	Pavement Un	it Cast - IRa	/Ka) :	21,057,05
			Timber		,	/m2) ;	21 1007 100
		. •	1	•			. 111 50
•			Concrete				436,58
			Survived	Value		Rp) ;	57,591,52
							₹ 0
			Hew Bridge	Rate without		7.) : 7.) :	3.0 22.4

PROV

SUMATERA SELATAN

KAB : MUSI RAWAS

LINK NO : 14

14 (IIIA)

LENGTH : 21 Km

UPGRADE : 8.0m road bed, 5.0m road with surface Dressing (2)

(Rp)

							rith r
1 T E H	UNIT	DUANTITY	<<< UNIT	COST >>>	(<	(((C EOST FOREIGN	>>>>> TOTAL
Site Clearance in Light Bush	*2	12000.0	161	91	1,732,000	1,092,000	3,024,000
Subgrade Preparation	æ2	168000.0	21	11	3,528,000		5,376,000
Normal Fill	m3	0.0	1,657	860	0,020,000		o, o, o, e e
Fill in Swamp		2400.0	2,463	1,049	5,911,200	4 4 7	8,428,800
Normal Excavation to Spoil	• •3	830.0	966	521	801,780		1,234,210
Sub Pase Course		14700.0	3,132	1,343	46,040,400		65,782,500
Rase Course	#3 #3	8400.0	1,272	2,293			
Shoutder Se	no ■2	63000.0	271	145			27,468,000
	#2						27,100,000
Asphalt Falching		0.0	3,506	1,482	0	1	
Surface Dressing (Single)	₽ 2	0.0	639	731	0.045.000		707 700 000
Surface Dressing (Double)		105000.0	789	1,151	82,845,000		203,700,000
Earth Drain	a	31200.0	914	118	25,396,800		29,078,40
Earth Drain in Swamp (by machine)	#3	6,000.0	1,158	473	6,948,000		9,786,00
Pipe Culvert DBOcm		0.0	42,996	42,490	0	0	+
Masonry Culvert (80x80cm)		0.0	61,277	36,035	0	0	•
Retaining Hall and Hing Hall (Timber)	=2	0.0	10,762	245	0	. 0	
Retaining Wall and Wing Wall (Masonry)	a 3		45,127	11,465	0	0	(
Gabion Protection	ត្ន3	0.0	13,277	120	0	0	
Ken Bridge (Timber)	SET	1.0			0	0	
New Bridge (Concrete)	SET	1.0	· ~ p	'	0	0	
			Sub Total		227,788,980	181,402,930	409,191,91
Overhead (15%)					34,168,347	27,210,439	61,378,78
			TOTAL COST		2/1 051 222	700 /17 7/0	470,570,69
			101HL C031		261,957,327	208,513,359	4101310191
Manual routine maintenance of road	Ke	21.0	132,252	7,248			
Routine maintenance of asphalt road	Km	21.0	350,600	149,200			10,474,80
			Sub Total		10,139,892	3,264,408	13,404,30
	₽?	0.0	7,487	1,343	0	0	
Maintenance of Timber Bridge (New)	m r					0	Application of the
Naintenance of Concrete Bridge (New)	12		1,818	2,591	(, , , , , , , , , , , , , , , , , , ,	
				2,591 2,513		•	
Maintenance of Concrete Bridge (New) Maintenance of Timber Bridge (Exist)	# 2	0.0 45.5	1,818		342,751	114,341	457,09
Maintenance of Concrete Bridge (New) Maintenance of Timber Bridge (Exist)	•2 •2	0.0 45.5	1,818 7,533	2,513	342,751	114,341	457,09
Maintenance of Concrete Bridge (New) Maintenance of Timber Bridge (Exist)	•2 •2	0.0 45.5	1,818 7,533 4,153 Earthwork &	2,513 2,360 Pavement	342,751 406,994 	114,341 231,280	457,09 638,27
Maintenance of Concrete Bridge (New) Maintenance of Timber Bridge (Exist)	•2 •2	0.0 45.5	1,818 7,533 4,153	2,513 2,360 Pavement	342,751 406,994 	114,341 231,280	457,09 638,27
Maintenance of Concrete Bridge (New) Maintenance of Timber Bridge (Exist)	•2 •2	0.0 45.5	1,818 7,533 4,153 Earthwork &	2,513 2,360 Pavement Bridge	342,751 406,994 Unit Cost Unit Cost	114,341 231,280	457,09 638,27 22,408,12
Maintenance of Concrete Bridge (New)	•2 •2	0.0 45.5	1,818 7,533 4,153 Earthwork & limber Concrete Survived	2,513 2,360 Payement Bridge Bridge Value	342,751 406,994 Unit Cost Unit Cost Unit Cost	114,341 231,280 Rp/Ke) :	457,09 638,27 22,408,12
Maintenance of Concrete Bridge (New) Maintenance of Timber Bridge (Exist)	•2 •2	0.0 45.5	1,818 7,533 4,153 Earthwork & Timber Concrete	2,513 2,360 Payement Bridge Bridge Value	342,751 406,994 Unit Cost Unit Cost Unit Cost	114,341 231,280 (Rp/Ke) : (Rp/m2) : (Rp/m2) :	457,09

FROY : SUMATERA SELATAN

KAD : MUST RAWAS

LINK NO : 13 (IIIA) ---

LENGTH : 8 Km

UPGRADE : 9.0m road bed, 6.0m road with surface Dressing (2)

Site Clearance in Light Bush	1 T E H	UNIT	QUANTITY	-{{{\begin{align}} Unit	COST >>> FOREIGN	<<< Local	COSI FOREIGN	CCCCC AATOT
Subgrade Preparation								
Subgrade Preparation	Site Clearance in Light Rush	a 2	9000 A	121		, ,,,,		
Normal Fitt								
Fill in Swamp Sacration to Spoil Sacration Sacration							•	2,021,184
Norsal Excavation to Spoil		_						(
Sub Pase Course ### 3 6154.0 3,157 1,343 19,274,378 8,224,872 27,539,15 ### Base Course ### 3 3840.0 4,272 2,273 15,481,280 8,805,120 25,286,40 ### Asphalt Patching ### 2 24000.0 291 145 6,984,000 3,480,000 10,464,00 ### Asphalt Patching ### 2 0.0 3,506 1,482 ### 0 0.0 639 731 0 0 0 ### Surface Dressing (Bouble) ### 2 0.0 639 731 0 0 0 ### Surface Dressing (Bouble) ### 2 0.0 639 731 0 0 0 ### Surface Dressing (Bouble) ### 13040.0 814 118 10,614,560 1,538,720 12,153,725 ### Earth Drain		_					•	
Base Course a3 3840.0 4,272 2,738 15,481,280 8,085,120 25,288,485 Shoulder a2 24000.0 271 145 6,984,000 3,480,000 10,464,00 Surface Dressing (Single) a2 0.0 3,506 1,482 0 0 0 Surface Dressing (Single) a2 0.0 637 731 0 0 0 Surface Dressing (Rouble) a2 48000.0 789 1,151 37,877,000 55,248,000 93,120,001 Earth Brain a 13040.0 814 118 10,614,560 1,558,720 12,153,725 Earth Brain in Swamp (by machine) a3 120.0 1,159 473 138,960 56,760 1953,729 Fipe Culvert DB0ca a 66.0 42,996 42,490 2,837,736 2,804,340 5,642,07 Shesonry Culvert E80x80ca) a 0.0 61,277 36,055 0 0 0 Retaining Wall and Wing Wall (Imber) a2 0.0 10,762 245 0 0 0 Retaining Wall and Wing Wall (Imber) a3 0.0 13,277 120 0 0 New Bridge (Itiber) SET 1.0 0 0 0 New Bridge (Concrete) SET 1.0 22,345,608 18,015,855 40,361,46 Sub lotal 120,670,339 100,277,734 220,948,07 Overhead (15%) Manual routine maintenance of road Km 8.0 132,252 7,248 1,058,016 57,984 1,116,07 Manual routine maintenance of road Km 8.0 350,600 148,200 2,804,800 1,185,600 3,999,40 Maintenance of Timber Bridge (New) A3 170,000 148,200 2,804,800 1,185,600 3,999,40 Maintenance of Timber Bridge (New) A3 170,000 149,200 2,804,800 1,185,600 3,999,40 Maintenance of Timber Bridge (New) A3 170,000 149,200 2,804,800 1,185,600 3,999,40 Maintenance of Timber Bridge (New) A3 170,000 149,200 2,804,800 1,185,600 3,999,40 Maintenance of Timber Bridge (Kew) A3 170,000 1,185,600 3,999,40 Maintenance of Concrete Bridge (New) A3 170,000 1,185,600 3,999,40 Bearthwork & Pavement Unit Cost (Rp/Km) : 25,959,35 Himber Bridge Unit Cost (Rp/M2) : 395,75 Survived Value (Rp) : 485,500 Maintenance Rate without Bridge (Lit : 20,000 1,0				· ·				
Shoulder								
Asphalt Patching	the state of the s							25,286,40
Surface Dressing (Single)								10,464,00
Surface Dressing (Double)				-		0	•	* 1
Earth Brain Earth Brain Earth Brain Earth Brain Earth Brain Earth Brain in Swamp (by Machine) A3 120.0 1,159 473 139,960 54,760 195,727 Earth Brain in Swamp (by Machine) A3 120.0 1,159 473 139,960 54,760 195,727 Earth Brain in Swamp (by Machine) A 120.0 1,159 473 139,960 54,760 195,727 Earth Brain in Swamp (by Machine) A 20.0 61,277 34,035 0 0 0 Retaining Mall and Ming Mall (limber) A2 0.0 10,762 245 0 0 0 Retaining Mall and Ming Mall (Masunry) A3 9.6 45,127 11,465 433,219 110,064 543,285 Eabtion Protection A3 0.0 13,277 120 0 0 0 New Bridge (Limber) SEI 1.0 0 0 0 New Bridge (Concrete) SEI 1.0 22,345,608 18,015,856 40,361,485 Sub lotal 120,670,339 100,277,734 220,948,07 Diverhead (15%) Manual routine Maintenance of road KM 8.0 132,252 7,248 1,058,016 57,984 (,116,00 60) Routine Maintenance of Sphalt road KM 8.0 350,600 149,200 2,804,800 1,185,600 3,999,40 Sub lotal 3,862,816 1,243,584 5,106,40 Maintenance of Concrete Bridge (New) Maintenance of Concrete Bridge (New) Maintenance of Concrete Bridge (Exist) A2 0.0 7,487 1,343 0 0 Maintenance of Concrete Bridge (New) Maintenance of Concrete Bridge (Exist) A2 0.0 7,487 1,343 0 0 Maintenance of Concrete Bridge (Exist) A2 0.0 7,533 2,513 0 0 0 Maintenance of Concrete Bridge (Exist) A2 0.0 7,533 2,513 0 0 0 Maintenance of Concrete Bridge (Exist) A2 0.0 4,153 2,360 0 0 Earthwork & Pavement Unit Cost (Rp/Km) : 25,959,37 Timber Bridge Unit Cost (Rp/Km) : 25,959,37 Timber Bridge Unit Cost (Rp/Ma) : 396,77 Survived Value (Rp) : 48,533,64 Haintenance Rate without Bridge (1) : 2.		_			and the second s		•	
Earth Drain in Swamp (by machine) A3 120.0	the contract of the contract o							
Pipe Culvert BBCca	·							12,153,28
Masonry Culvert (80x80cm) Retaining Mall and Ming Mall (Timber) Retaining Mall and Ming Mall (Timber) Retaining Mall and Ming Mall (Hasonry) Rabion Protection Rabion Protecti								175,72
Retaining Mall and Wing Mall (Himber)						2,837,736	2,804,340	5,642,07
Retaining Mall and Ming Mall (Masonry)						0	0	
Babion Protection						_	•	·
Hem Bridge (Fimber)						433,219	110,064	543,28
SEI 1.0 22,345,608 18,015,856 40,361,466 40,361			0.0	13,277	120	9	0	
Sub lotal 120,670,339 100,277,734 220,948,07 Dverhead (15%) 18,100,550 15,041,660 33,142,21 TOTAL COST 138,770,889 115,319,394 254,090,28 Manual routine maintenance of road Km 8.0 132,252 7,248 1,058,016 57,984 (,116,00 80utine maintenance of asphalt road Km 8.0 350,600 148,200 2,804,800 1,185,600 3,990,40 Sub lotal 3,862,816 1,243,584 5,106,40 Maintenance of Timber Bridge (New) m2 0.0 7,487 1,343 0 0 0 Maintenance of Concrete Bridge (Rew) m2 117.0 1,818 2,591 212,706 303,147 515,85 Maintenance of Timber Bridge (Exist) m2 0.0 7,533 2,513 0 0 Maintenance of Concrete Bridge (Exist) m2 0.0 4,153 2,360 0 0 0 Earthwork & Pavement Unit Cost (Rp/Km) : 25,959,37 Timber Bridge Unit Cost (Rp/m2) : 396,77 Survived Value (Rp) : 48,533,67 Maintenance Rate without Bridge (X) : 2.0 Main						0	0	
Diverhead (15%) 18,100,550 15,041,660 33,142,21 TOTAL COST 138,770,889 115,319,394 254,090,26 Manual routine maintenance of road Km 8.0 132,252 7,248 1,058,016 57,984 1,116,00 Routine maintenance of asphalt road Km 8.0 350,600 148,200 2,804,800 1,185,600 3,990,40 Sub Total 3,862,816 1,243,584 5,106,40 Maintenance of Limber Bridge (New) m2 0.0 7,487 1,343 0 0 Maintenance of Concrete Bridge (New) m2 117.0 1,818 2,591 212,706 303,147 515,85 Maintenance of Concrete Bridge (Exist) m2 0.0 7,533 2,513 0 0 Maintenance of Concrete Bridge (Exist) m2 0.0 4,153 2,360 0 0 0 Earthwork & Pavement Unit Cost (Rp/Km) : 25,959,35 Timber Bridge Unit Cost (Rp/m2) : 398,75 Survived Value (Rp) : 48,533,65 Maintenance Rate without Bridge (L) : 2.5	New Bridge (Concrete)	SET	1.0			22,345,608	18,015,856	40,361,46
TOTAL COST 138,770,889 115,319,394 254,090,26			·	Sub Total		120,670,339	100,277,734	220,948,07
Manual routine maintenance of road Km 8.0 132,252 7,248 1,058,016 57,984 1,116,00 Routine maintenance of asphalt road Km 8.0 350,600 148,200 2,804,800 1,185,600 3,990,40 Sub Total 3,862,816 1,243,584 5,106,40 Maintenance of Timber Bridge (New) m2 0.0 7,487 1,343 0 0 Maintenance of Concrete Bridge (New) m2 117.0 1,818 2,591 212,706 303,147 515,85 Maintenance of Timber Bridge (Exist) m2 0.0 7,533 2,513 0 0 Maintenance of Concrete Bridge (Exist) m2 0.0 4,153 2,360 0 0 0	Overhead (15%)					18,100,550	15,041,660	33,142,21
Routine maintenance of asphalt road Km 8.0 350,600 148,200 2,804,800 1,185,600 3,970,40 Sub Total 3,862,816 1,243,584 5,106,40 Maintenance of Timber Bridge (New) m2 0.0 7,487 1,343 0 0 Maintenance of Concrete Bridge (New) m2 117.0 1,818 2,591 212,706 303,147 515,85 Maintenance of Timber Bridge (Exist) m2 0.0 7,533 2,513 0 0 Maintenance of Concrete Bridge (Exist) m2 0.0 4,153 2,360 0 0 0 Maintenance of Concrete Bridge (Exist) m2 0.0 4,153 2,360 0 0 0 0 Maintenance of Concrete Bridge (Exist) m2 0.0 4,153 2,360 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				TOTAL COST		138,770,889	115,319,394	254,090,28
Routine maintenance of asphalt road Km 8.0 350,600 148,200 2,804,800 1,185,600 3,970,40 Sub Total 3,862,816 1,243,584 5,106,40 Maintenance of Timber Bridge (New) m2 0.0 7,487 1,343 0 0 Maintenance of Concrete Bridge (New) m2 117.0 1,818 2,591 212,706 303,147 515,85 Maintenance of Timber Bridge (Exist) m2 0.0 7,533 2,513 0 0 Maintenance of Concrete Bridge (Exist) m2 0.0 4,153 2,360 0 0 0 Maintenance of Concrete Bridge (Exist) m2 0.0 4,153 2,360 0 0 0 0 Maintenance of Concrete Bridge (Exist) m2 0.0 4,153 2,360 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				170 000				
Sub Total 3,862,816 1,243,584 5,106,40 Maintenance of Timber Bridge (New) m2 0.0 7,487 1,343 0 0 Maintenance of Concrete Bridge (New) m2 117.0 1,818 2,591 212,706 303,147 515,85 Maintenance of Timber Bridge (Exist) m2 0.0 7,533 2,513 0 0 Maintenance of Concrete Bridge (Exist) m2 0.0 4,153 2,360 0 0 Earthwork & Pavement Unit Cost (Rp/Km) : 25,959,37 Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : 396,75 Survived Value (Rp) : 48,533,65 Maintenance Rate without Bridge (I) : 2.4							•	
Maintenance of Timber Bridge (New)	coutine maintenance of aspnait road	KS	8.0		148,200			
Maintenance of Concrete Bridge (New) m2 117.0 1,818 2,591 212,706 303,147 515,85 Maintenance of Timber Bridge (Exist) m2 0.0 7,533 2,513 0 0 Maintenance of Concrete Bridge (Exist) m2 0.0 4,153 2,360 0 0 Earthwork & Pavement Unit Cost (Rp/Km) : 25,959,37 Timber Bridge Unit Cost (Rp/m2) : 396,75 Survived Value (Rp) : 48,533,65 Maintenance Rate without Bridge (I) : 2.4	databas and a strain and as							
Maintenance of Timber Bridge (Exist) m2 0.0 7,533 2,513 0 0 Maintenance of Concrete Bridge (Exist) m2 0.0 4,153 2,360 0 0 Earthwork & Pavement Unit Cost (Rp/Km) : 25,959,37 Timber Bridge Unit Cost (Rp/m2) : 396,7 Survived Value (Rp) : 48,533,68 Maintenance Rate without Bridge (I) : 2.4						-	•	
Haintenance of Concrete Bridge (Exist) m2 0.0 4,153 2,360 0 0 Earthwork & Pavement Unit Cost (Rp/Km) : 25,959,37 Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : 396,7 Survived Value (Rp) : 48,533,68 Haintenance Rate without Bridge (I) : 2.0						•		
Earthwork & Pavement Unit Cost (Rp/Km) : 25,959,37 Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : 396,7 Survived Value (Rp) : 48,533,68 Haintenance Rate without Bridge (I) : 2.0						U		
Timber Bridge Unit Cost (Rp/m2) ; Concrete Bridge Unit Cost (Rp/m2) ; 396,7 Survived Value (Rp) ; 48,533,6 Haintenance Rate without Bridge (I) ; 2.	natificance of Concrete Bridge (Exist)	AZ	0.9	4 1 1 2 2	2,360	V	: 0	
Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : 396,7 Survived Value (Rp) : 48,533,6 Haintenance Rate without Bridge (I) : 2.				~H#				
Concrete Bridge Unit Cost (Rp/m2) : 396,7 Survived Value (Rp) : 48,533,69 Haintenance Rate without Bridge (I) : 2.								25,959,32
Survived Value (Rp) : 48,533,69 Haintenance Rate without Bridge (I) : 2.4					-		•	•
Maintenance Rate without Bridge (I) : 2.						nit Cost 🛚 🛭 🖰	Rp/m2) :	396,71
							(Rp) :	48,533,65
				Maintenance	Rate without	: Bridge	(I) ;	2.4

* SUMATERA SELATAN

KAD : HUST RAWAS

LINK NO : 12 (IIIA) LENGTH : 6 Km

UPGRADE : 8.0m road bed, 4.0m road with surface Dressing (2)

							(Rp)
ITEH	UNIT	QUANTITY	<<< UNIT	COST >>> Foreign	// Local	COST FOREIGN	>>>>> TOTAL
		~~~~~~~	*******				
Site Clearance in Light Bush	. #2	0.0	161	91	0	. 0	
Subgrade Preparation	m2	40000.0	21	ii	840,000	•	1,280,00
Normal Fill	<b>=3</b>	125.0	1,657	860	207,125	-	311,62
Fill in Swamp	. =3	0.0	2,463	1,049	20.,120	*	011,42
Normal Excavation to Spoil	#3	516.0	966	521	498,458		767,29
Sub Base Course	. e3	2948.0	3,132	1,343	9,233,136	•	13,192,30
Base Course	n3		4,292	2,293	8,240,640		12,613,20
Shoulder	#3 #2	24000.0	291	145	6,784,000		10,464,00
· ·	#Z		3,506	1,492	)		101101100
Asphalt Patching	e2	0.0	639	731	· . (	•	- : - : : : : : : : : : : : : : : : : :
Surface Dressing (Single)			789				
Surface Dressing (Double)	#2	24000.0		1,151	18,936,000		46,560,00
Earth Drain		5100.0	814	118	4,395,600		5,032,80
Earth Drain in Swamp (by machine)	<b>a</b> 3	0.0	1,158	473			2 6/4 60
Fipe Culvert DOCs	•	30.0	42,996	42,490	1,289,880		2,564,58
Hasonry Culvert (80x80cm)	á	0.0	61,277	36,035	(		
Retaining Hall and Wing Hall (Timber)	e2	0.0	10,762	245	(		
Retaining Hall and Wing Wall (Masonry)	43	0.0	45,127	11,465	. (	0	
Gabion Protection	<b>a</b> 3	0.0	13,277	120	. (	, 0	
Hen Bridge (limber)	132	1.0.				) 0	44 480 07
Nex Bridge (Concrete)	SET	1.0	'		9,392,892	8,806,170	16,179,07
			Sub Total		60,017,729	49,000,138	109,017,86
Overhead   15% }					9,002,65	7,350,020	16,352,67
			TOTAL COST		69,020,388	56,350,158	125,370,54
Manual routine maintenance of road	Χ×	6.0	132,252		793,513		837,00
Routine maintenance of asphalt road	Ke	6.0	350,600	148,200	2,103,600		2,992,80
			Sub Total	•	2,897,113		3,829,80
Naintenance of Timber Bridge (New)	m2	0.0	7,487	1,343	(		
Naintenance of Concrete Bridge (Newl	<b>s</b> 2		1,010	•	73,62		178,56
Naintenance of Timber Bridge (Exist)	a2	0.0	7,533	2,513			
Haintenance of Concrete Bridge (Exist)	<b>#</b> 2	203.2	4,153	2,360	843,88	7 479,552	1,323,44
			Earthwork &	Payesent I	lait Cost	(Rp/Ka) :	17,790,28
			liaber			(Rp/a2) :	
	•						150 0
		•	Concrete	Bridge U		(Rp/#2) :	
			Concrete	Pridge L Value	Init Cost		459,97 21,914,17 3.5

PROV

: SUMATERA SELATAN

KAD : MUSI RAWAS

LINK NO : 10 (IIIA)

LENGTH : 70 Km

UPGRADE : 6.0m road bed, 4.0m road with surface Dressing (2)

(Rp) LIEN ((( UNII cost >>> ````((((( COST >>>>> YTETKAUQ TIKU LOCAL FOREIGN LOCAL FORELGN TOTAL Site Clearance in Light Bush 0.0 141 91 Subgrade Preparation **#2** 384000.0 21 11 0,004,000 1,224,000 12,288,000 Normal Fill 43 0.0 1,657 860 Fill in Swamp #3 9.0 2,463 1,049 Normal Excavation to Spoil **m**3 6910.0 986 521 6,578,460 3,548,010 10,126,470 Sub Rase Course аŠ 36952.0 3,132 1,343 115,733,664 49,676,536 165,360,200 Base Course a3 22400.0 4,292 2,293 96,140,800 51,363,200 147,504,000 Shoulder **ъ**2 140000.0 291 145 40,740,000 20,300,000 61,040,000 Asphalt Patching **#**2 0.0 3,506 1,482 Surface Oressing (Single) 0.0 639 731 Surface Dressing (Double) 280000.0 789 1,151 220,920,000 322,280,000 543,200,000 Earth Drain 119200.0 14,065,600 914 118 97,028,800 111,094,400 Earth Drain in Swamp (by machine) 0.0 1.158 **a**3 473 Pipe Culvert D80cm 426.0 42,996 42,490 18,100,740 18.316.276 36,417,036 Masonry Culvert (80x80cm) 0.0 61,277 36,035 0 0 Retaining Wall and Wing Wall (Fimber) e2 0.0 10,762 245 Û Retaining Wall and Wing Wall (Masonry) a3 44.8 45,127 11,465 2,021,689 513,632 2,535,321 Gabion Protection m3 0.0 13,277 120 0 0 Hem Bridge (Timber) SET 1.0 0 0 New Bridge (Concrete) SET 1.0 Sub Total 605,543,709 484,021,718 1,089,565,427 Overhead 1 152 } 90,831,556 72,603,257 163,434,813 TOTAL COST 696,375,265 556,624,975 1,253,000,240 Manual routine maintenance of road 70.0 132,252 7,248 9,257,640 507,360 9,765,000 Routine maintenance of asphalt road 70,0 350,600 148,200 24,542,000 10,374,000 34,916,000 10,881,360 44,681,000 Sub Total 33,799,640 Maintenance of Timber Bridge (New) #2 0.0 7,487 1,343 0 2,591 Maintenance of Concrete Bridge (New) 0.0 47 1,818 0 ð 0 Maintenance of Timber Bridge (Exist) 2,513 æ2 0.0 7,533 0 Naintenance of Concrete Bridge (Exist) **a**2 0.0 4,153 2,360 Earthwork & Payement Unit Cost (Rp/Km) 17,900,003 ; Bridge Unit Cost (Rp/m2) ligher Concrete Pridae Unit Cost (Rp/m2) Survived Value (Rp) 169,164,160 Haintenance Rate without Bridge (7.1 3.57 New Bridge Cost Rate (2)

: SUMATERA SELATAN KAB : MUSI RAWAS

LINK NO : 8 (1118-2) LENGTH : 15 Km

UPGRADE : 7.0m road bed, 4.0m road with surface Base Cource

					u.÷		(Rp)
1 T E H		BUANTER		COST >>>		(((( C051	))))))
************	UNII	QUANTITY	LOCAL	FOREIGN	LOCAL	FOREIGN	TOTAL
Site Clearance in Light Bush	<b>a</b> 2	0.0	161	61			
Subgrade Preparation	e2	105000.0	21	11	2,205,000		3,360,00
dormal Fill	<b>a</b> 3	0.0	1,657	860	(		
ill in Swamp	a3	337.5	2,463	1,049	831,263		1,185,29
Hormal Excavation to Spoil	<b>a</b> 3	544.0	966	521	525,50		808,92
Sub Base Course	m3	8400.0	3,132	1,343	26,308,80		37,590,00
Pase Course	<b>e3</b>	3600.0	4,292	2,293	15,451,20		23,706,00
Ghoul der	<b>a</b> 2	45000.0	271	145	13,095,000		19,620,00
Asphalt Patching	•2	0.0	3,506	1,482	101010100		*********
Surface Dressing (Single)	<b>6</b> 2	0.0:	639	731		0	
Surface Dressing (Double)	92	0.0	789	1,151		) 0	
		0.0	814	118		, ,	
arth Drain	#		and the second s	473			2,416,50
arth Orain in Swamp (by machine)	<b>4</b> 3	1500.0	1,158		1,737,00		
Pipe Culvert OBOc#	A	280.0	42,996	42,490	12,038,88		23,936,08
lasonry Culvert (80x80c∉)	Ą	24.0	61,277	36,035	1,470,64		2,335,48
Retaining Wall and Wing Wall (Timber)	a2	0.0	10,762	245		) (	/ 703 3/
Retaining Wall and Wing Wall (Masonry)	<b>#</b> 3	116.4	45,127	11,465	5,252,78		6,587,30
labion Protection	<b>B</b> 3	0.0	13,277	120		0	4 310 0
lem Bridge (Timber)	SET	1.0		·	4,123,12	7 626,169	4,749,29
lew Bridge (Concrete)	SET	1.0				) (1	•
			Sub Total		83,039,20	5 43,285,696	126,324,90
overhead ( 15% )					12,455,88	0 6,492,854	18,948,7
a t			TOTAL COST		95,495,08	5 49,778,550	145,273,63
lanual routine maintenance of road	Ko	15.0	•	7,248	1,983,78		2,072,5
loutine maintenance of gravel road	K=	15.0	186,724	87,894	2,800,86		4,119,2
			Sub Total		4,784,64		6,211,7
aintenance of Timber Bridge (New)	p2	40.0	7,487	1,343	299,4B	•	353,2
laintenance of Concrete Bridge (Hew)	m2	0.0	1,819	2,591		0 0	1
faintenance of Timber Bridge (Exist)	<b>@</b> 2	52.0	•	2,513	391,71		
laintenance of Concrete Bridge (Exist)	<b>e</b> 2	344.0	<b>∮,</b> 153	2,360	1,428,63	2 811,840	2,240,4
	·						
			Earthwork &	· .		(Rp/Ke) :	9,320,7
						(Rp/#2) :	136,5
					it Cost	(Rp/e2) :	
				Value		(Rp) :	18,795,0
			Maintenance		Bridge	(X) : (X) :	4.
· · · · · · · · · · · · · · · · · · ·			New Bridge				3.

PROV : SUMATERA SELATAN KAB : NUSI RAWAS

LINK NO : 5 (1110) LENGTH : 24 Km

UPGRADE : 7.0m road bed, 3.5m road with surface Subbase Cource

							{Kb}
1 1 E H		4.5	((C_UNIT	COST >>>	`	<<<< cost	))))))
	11KU	YTTHAUD	LOCAL	FORETGN	LOCAL	FOREIGH	ATOT
Site Clearance in Light Bush	n2	0.0	lái	91			
Subgrade Preparation	#2		21	11	0		(
oreal Fill	<b>a</b> 3	• • • •	1,657		(	•	. (
ill in Swamp	a3	•••	•	860	0	•	
ormal Excavation to Spoil	a3		2,463	1,049	Q		
Sub Base Course	#3 #3		966	521			
lase Course	83 83		3,132	1,343	669,682		955,41
Shoulder	_		4,292	2,293	21,631,680	, ,	33,188,40
Asphalt Patching	n?		291	145	24,444,000		36,624,00
. •	<b>#2</b>		3,506	1,482	0	•	
Burface Bressing (Single)	n2		638	731	0	0	
Surface Dressing (Double)	· #2		789	1,151	0	. 0	
arth Drain	8	21400.0	814	118	17,419,600	2,525,200	19,944,80
earth Orain in Swamp (by machine)	£g.		1,150	473	0	0	
ipe Culvert D80cm	Ø	0.0	42,996	42,490	•	0	
lasonry Culvert (80x80cm)	4	0.0	61,277	36,035	. 0	0	
Retaining Hall and Hing Wall (Timber)	m2	0.0	10,762	245	0	. (1	
Retaining Hall and Wing Hall (Masonry)	æ3	0.0	45,127	11,465	0	. 0	
Sabion Protection	a3	0.0	13,277	120	0	. 0	
lex Bridge (Timber)	SET	1.0			0	. 0	
lew Bridge (Concrete)	SET	1.0	-1		Ċ	. 0	
			Sub Total		64,163,967	28,548,850	90,712,61
lverhead ( 15% )					9,624,594	3,982,297	13,605,81
			TOTAL COST		73,780,558	30,530,947	104,319,50
Innual coupling saintageness at and	·	24.0	179 751	3 310	7 674 688	177 057	2 116 A4
lanual routine maintenance of road	Ke.		132,252	7,248	3,174,048		3,348,99
Routine maintenance of gravel road	Ka	24.0	196,724	87,894	4,481,378	• •	6,590,8
lately and of Tibles by Jan 1973			Sub Total		7,655,424		9,738,8
laintenance of Timber Bridge (New)	a2		7,487	1,343		_	
laintenance of Concrete Bridge (New)	<b>4</b> 2		1,818	2,591		·	
laintenance of Timber Bridge (Exist)	#2		7,533	2,513	1,566,964	•	2,089,5
laintenance of Concrete Bridge (Exist)	a2	0.0	4,153	2,350	(	) 0	
	*******				·		
			Earthwork & i			Rp/Ka  :  Rp/a2  :	4,346,6
•				•		Rp/m2) :	
				•		(Rp) :	702 1
And the second s			SULATANA A	rasue		10111	.tn/ :
			Survived ! Naintenance !	Value Rate mithout	Bridne	(%) :	302,14 9.5

PROV : SUMATERA SELATAN

KAB : MUSI RAWAS

LINK NO : 4 (IIIC)

LENGTH : 12 Km

OPERADE : 7.0m road bed, 3.5m road with surface Subbase Cource

							pr
ITEN				cost >>>	=	<<< cost	<b>&gt;&gt;&gt;&gt;&gt;</b>
	TINU	QUANTITY	LOCAL	FOREIGN	LOCAL	FOREIGN	JATOT .
	_						
Site Clearance in Light Bush	n2	0.0	161	91	()	0	
Subgrade Preparation	<b>n</b> 2	14000.0	21	11	294,000	154,000	44B,00
Hormal Fill	<b>a</b> 3	0.0	1,657	840	0	Ų	
Fill in Swamp	æ3	0.0	2,463	1,049	() 401 470		(P2 63)
Normal Excavation to Spoil	,43	105.0	966	521	101,430		(56,13
Sub Base Course	· #3	1291.5	3,132	1,343	4,044,979	1,734,484	5,779,46
Base Course	<b>a</b> 3	2100.0	4,292	2,293	9,013,200	4,815,300	13,828,50
Shoulder	<b>a</b> 2	42000.0	291	145	12,222,000	6,090,000	18,312,00
Asphalt Patching	<b>e</b> 2	0.0	3,506	1,482	0	. 0	
Surface Oressing (Single)	<b>#2</b>		£39	731	0	. 0	
Surface Dressing (Double)	<b>≠</b> 2	0.0	789	1,151	0		(
Earlh Drain		6000.0	814	118	4,884,000	709,000	5,592,000
Earth Drain in Swamp (by machine)	a.j	0.0	1,158	473	0	. 0	
Pine Culvert D80cm		0.0	42,996	42,490	0	0	
Hasonry Culvert (80x80ca)	2	0.0	61,277	36,035	0	0	• • •
Retaining Wall and Wing Wall (Timber)	m2	0.0	10,762	245	0	0	
Retaining Hall and Hing Hall (Hasonry)	яЗ	0.0	45,127	11,465	0	0	
Babion Protection	#3		13,277	120	0	. 0	
New Bridge (Timber)	SET	1.0			0	0,	
New Bridge (Concrete)	SET	1.0	niv da		0	. 0	
			Sub Total		30,559,608	13,556,487	44,116,09
Overhead ( 15% )					4,583,941	2,033,473	6,617,41
			TOTAL COST		35,143,549	15,589,962	50,733,51
					err 10, 00 de 100 mil 30, es 40 ha es en 10. ⁵⁰		
Manual routine maintenance of road	Ka		132,252	7,248	1,587,024	86,976	
Routine maintenance of gravel road	K p	12.0	186,724	87,894	2,210,688	1,054,728	3,295,41
			Sub Total		3,827,712	1,141,704	1,969,41
Naintenance of Timber Bridge (New)	<b>s</b> ?		. 7,497	1,343	0	0	
Maintenance of Concrete Bridge (New)	ค2			2,591	0	0.	
Maintenance of Timber Bridge (Exist)	<b>a</b> 2		7,533	2,513	0		
Maintenance of Concrete Bridge (Exist)	· #2	238.5	4,153	2,360	990,490	562,860	1,553,35
			Earthwork &			(p/Ka)	4,227,79
·			Timber			Rp/m2) :	•
			Concrete		Init Cost (	Rp/m2) :	
			Survived	Value		(Rp) :	2,311,76
			Kaintenance		ıt Bridge	(2) :	9.9
			New Bridge	Cost Date		(7)	

PROV

SUMATERA SELATAN

KAB : MUSI RAWAS

LINK NO

1 (1114)

LENGTH : 31 Km

UPGRADE : 6.0m road bed, 4.0m road with surface Dressing (2)

(Rp)

							(Rp)
LIEN				COST >>>	(((	CCC COST	>>>>>
*************************	UNIT	YTTTHAUD	LOCAL	FOREIGN	LOCAL	FOREIGN	TOTAL
Site Clearance in Light Bush	<b>e</b> 2	0.0	161	91	0	0	. (
Subgrade Preparation	<b>B</b> 2	0.0	21	11	Ů	0	
Mormal Fill	<b>a</b> 3	0.0	1,657	860	Õ	, (	
Fill in Swamp	<b>a</b> 3	0.0	2,463	1,047	ň	ň	
Normal Excavation to Spoil	<b>a</b> 3	0.0	986	521	ň	0	
Sub Base Course	аJ	5582.0	3,132	1,343	17,482,824	7,496,626	24,979,45
Base Course	<b>e</b> 3	9920.0	4,292	2,293	12,576,640	22,746,560	65,323,20
Shoul der	#Z	62000.0	291	145	18,042,000	8,990,000	27,032,00
Asphalt Patching	R2	0.0	3,506	1,482	0,0121000	0,710,000	21,002,00
Surface Oressing (Single)	m2	0.0	639	731	. 0	0	
Surface Dressing (Double)	a2		789	1,151	97,836,000		210 540 00
Earth Drain		0.0	814	118	0	0.	
Earth Drain in Swamp (by mathine)	a3	0.0	1,158		. 0	0	
Pipe Culvert D80cm	ay E	0.0	42,796	42,490	V	0:	
lasonry Culvert (80x80ca)		0.0	61,277		0	0	
Retaining Wall and Wing Wall (Timber)	a2		•	36,035 245	V	, V.	
Retaining Wall and Wing Wall (Masonry)	#2 #3	-	10,762		0	V	
Gabion Protection			45,127	11,465	V.		
len Bridge (Timber)	a3 SET		13,277	120	V	0	
•					77 (38 E17	10 Cn7 400	47 271 A
lew Bridge (Concrete)	SET	1.0			23,678,517	19,597,498	43,276,0
			Sub Total		199,615,981	201,554,684	401,170,68
lverhead (15%)		-		•	29,942,397	30,233,202	60,175,59
			TOTAL COST		229,558,378	231,787,886	461,346,26
			~***	:			
lanual routine maintenance of road	Ka		132,252	7,248		221,689	4,324,5
Routine maintenance of asphalt road	K	31.0	350,600	148,200	10,848,600		15,462,8
			Sub Total		14,968,412		19,787,3
laintenance of Timber Bridge (New)	B2		7,497	1,343	0		
laintenance of Concrete Bridge (New)	a2		818, 1	2,591	229,069		555,5
faintenance of Timber Bridge (Exist)	<b>a</b> 2		7,533	2,513	10,522,471		14,032,7
laintenance of Concrete Bridge (Exist)	<b>a</b> 2	0.0	4,153	2,360	. 0	. 0	
·	~~~ <u>~</u>						************
4			Earthwork &			Rp/K⊕) :	13,276,7
			Ti∗ber-			Rp/#2) :	
The second second			Concrete		nit Cost (	Rp/m2) :	394,9
			Sur vi ved	Value		(Rp) :	57,540,1
			Maintenance		t Bridge	(X) :	4.1
			Hem Bridge			(%)	10.

PROV : SUMATERA SELATAN

MUSI RAWAS KAB :

LINK NO 2 (IIIB-1) LENGTH :

35 Km

UPGRADE : 6.0m road bed, 4.0m road with surface Dressing (1)

ITEM	UNIT	QUANTITY	((( UNIT LOCAL	COST >>> FOREIGN	((( Local	CCC COST FOREIGN	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
						<u> </u>	
ite Clearance in Light Bush	. •2	0.0	161	91	0	Ų	Ų
ubgrade Preparation	<b>æ</b> 2	0.0	21	11	0	0	ţ
ormal Fill	<b>a</b> 3	0.0	1,657	088	0	0	(
ill in Swamp	•3	0.0	2,463	1,049	0	0	. (
ormal Excavation to Spoil	<b>a</b> 3	0.0	946	521	0	0	
ub Base Course	a3	6172.0	3,132	1,343	19,330,704		27,619,70
ase Course	<b>₽</b> 3	9800.0	4,292	2,293	12,061,600		
hou <b>l der</b>	<b>=</b> 2	70000.0	291	145	20,370,000		30,520,000
sphalt Patching	•2	0.0	3,506	. 1,482	0	0	(
urface Dressing (Single)	<b>m</b> 2	140000.0	639	731	89,460,000	102,340,000	191,800,00
urface Dressing (Double)	<b>#2</b>	0.0	789	1,151	0	0	
arth Drain		0.0	814	110	0	. 0	
arth Drain in Swamp (by machine)	e3	0.0	1,158	473	0	. 0	
ipe Culvert DBOca		8.0	42,996	42,490	343,968	339,920	662,88
asonry Eulyert (80x80cm)		0.0	61,277	36,035	0	. 0	
etaining Wall and Wing Wall (Timber)	. #2	0.0	10,762	245	0	0	
etaining Wall and Wing Wall (Masonry)	<b>#</b> 3	3.2	45,127	11,465	144,406	34,689	181,09
abion Protection	<b>a</b> 3	0.0	13,277	120	0	0	
ew Oridge (Timber)	SET	1.0			0	0	100
ен Bridge (Concrete)	SET	1.0			0	0	
			Sub Total		171,710,678	143,627,004	315,337,68
verhead ( 15% )					25,756,601	21,544,050	47,300,65
			TOTAL COST		197,467,279	165,171,054	362,630,33
				:			
anual routine maintenance of road	K∎	35.0	132,252	7,248	4,628,820	253,680	4,882,50
outine maintenance of asphalt road	Ka	35.0	350,600	148,200	12,271,000		17,458,00
			Sub Total		16,899,820		22,340,50
aintenance of limber Bridge (Nex)	<b>a</b> 2	0.0	7,487	1,343	0		
aintenance of Concrete Bridge (New)	#2		1,818	2,591	. 0	0	. 1
aintenance of Timber Bridge (Exist)	m2			2,513	3,271,958	[,091,521	4,363,47
aintenance of Concrete Bridge (Exist)	#S		.4,153	2,360	632,294		
						THE SET THE PART OF THE SET OF TH	
			Earthwork &			Rp/Ke) i	10,361,0
-			limber	•		Rp/#2) :	
	•		Concrete		nit Cost (	Rp/s21 :	•
			Survived	Value		(Rp)	32,240,3
			Haintenance	Rate withou	ł Bridge	(X) :	6.
			New Bridge	0 1 0 1		(Z) :	

## CONSTRUCTION AND MAINTENANCE QUANTITIES FOR ALL PROPOSED ROAD LINKS (CONSTRUCTION)

SUMATERA SELATAN KAB : MUSI RAWAS TEN UNIT (1988) (1989) (1990) (1991) (1992) (TOTAL) EQUIPMENT : Bulidozer/Ripper hr 269.9 606.2 653.6 1073.6 1106.2 3709.5 Swamp Bulldozer hr 0.0 · 5.7 33.0 47.3 34.8 120.6 Hotor Grader hr 1014.7 2286.3 2507.4 3538.0 3447.5 12793.9 Hand-quide Vib. Roller 246.8 hr 576.2 241.9 373.4 1391.3 2829.4 Tire Roller . 888.8 hr 2463.2 2817.7 2988.3 1952.7 11110.7 Vibratory Roller (DAT) 801.5 hr 1726.3 1894.0 2732.6 2613.7 9760.1 Hydraulic Excavator: Wheel hr 10.4 34.0 233.3 272.6 297.9 870.2 Wheel Loader hг 1319.5 3280.9 3619.4 4701.1 4393.6 17314.5 Water Tank Truck hr 546.2 1222.6 1327.4 1808.7 1669.4 6574.5 Duep Truck hr 11920.2 27226.5 29201.5 30407.4 36337.5 143173.1 Flat Bed Truck with Crane hr 301.1 794.6 309.7 417.7 1313.6 3136.7 Flat Bed Truck hr 1159.5 3175.8 3473.8 3721.2 2807.4 14337.5 Portable Crusher/Screening hr 350.1 978.9 1112.6 1245.4 1078.3 4765.2 Concrete Nixer 157.7 hr 457.1 150.5 217.6 750.0 1740.9 Hater Pump 456.7 1363.4 hr 435.8 569.2 1041.3 4666.4 Concrete Vibrator 35.6 hr. 93.5 42.2 51.4 123.9 316.6 Asphalt Sprayer hr 888.8 2463.2 2817,7 2988.3 1952.7 11110.7 LABOUR ; 2836.7 **Mandur** 1270.7 2646.7 3399.7 man day 3660.0 13814.0 Skilled Labourer 937.9 2774.7 2178.1 san day 2367.8 3105.6 11364.1 518.8 Carpenter man day 150.8 181.5 212.6 012.4 1876.1 Hason man day 154.9 460.8 149.2 219.3 858.8 1843.0 15223.4 29780.5 Labourer aan day 31332.3 38177.3 37103.4 151616.9 Driver 2559.8 man day. 6004.6 6379.2 8136.9 30626.0 7545.5 nan day 1144.8 2799.6 3056.2 3960.6 Operator 3947.9 14909.1 KATERIAL : Bitumen 577833.2 664229.1 728406.2 475989.5 216666.6 2663124.6 - 1 98615.0 Asphalt Oil 29333.3 95956.6 97653.2 64441.6 375999.7 1 Kerosene 1 42666.6 118023.2 135836.6 143439.9 93733.3 534499.6 Sand **a**3 569.5 1587.2 1539.4 1591.9 1544.4 6831.4 849.1 Cenent 590.3 1575.0 685.4 2181.7 5881.5 bag 184.1 548.0 River Stone 176.0 254.0 969.8 2131.9 83 Steel Houlds set 115.2 197.8 131.8 177.2 372.0 994.0 13.9 16.5 40.8 6.7 149.5 Timber 11.7 66.6 #3 Paint ı 0.0 8.9 11.7 162.2 189.5 Reinforcing Steel 8371.9 23970.9 10047.7 11862.5 28652.4 82807.3 kq kg 76.1 216.8 91.3 107.6 260.2 752.0 Tying Wire 57424.8 73380.3 Equivalent Royalty aЗ 21769.4 52546.4 66871.6 271992.5

## CONSTRUCTION AND MAINTENANCE QUANTITIES FOR ALL PROPOSED ROAD LINKS (MAINTENANCE)

PROV : SUMATERA SELATAN KAB : MUSI RAWAS

ITEH	UNIT	( 1988 )		< 1990 >	< 1991 >	< 1992 >	( TOTAL )
NAT DUCAT					4		
DUTPHENT:					•		. :
Bulldozer/Ripper	hr	0.0	0.0	0.0	0.0	0.0	0.0
Swamp Bulldozer	hr	0.0	0.0	0.0	0.0	0.0	0.0
Notor Grader	hr	444.5	849.6	817.2	616.9	529.2	3257.4
Hand-quide Vib. Roller	hr	0.0	90.0	210.0	870.0	2565.0	3735.0
Tire Roller	hr	444.5	849.6	017.2	616.9	527.2	3257.4
Vibratory Roller (D&T)	hr	0.0	0.0	0.0	0.0	0.0	0.0
Hydraulic Excavator; Wheel	hr	0.0	0.0	0.0	0.0	0.0	0.0
Hheel Loader	hr	122.5	238.1	242.0	233.3	344.5	1180.4
Water Tank Truck	hr	0.0	0.0	0.0	0.0	0.0	0.0
Dusp Truck	hr:	735.4	1609.8	1872.1	3139.0	7193.1	14549.4
Flat Bed Truck with Crane	hr .	1891.7	3027.5	3784.9	3795.2		18540.9
Flat Bed Truck	. hr	1663.3	3254.5	3226.2	3007.3	4034.0	15187.3
Fortable Crusher/Screening	hr	61.3	119.4	121.5	118.3	177.1	597.6
Concrete Nixer	hr	2.5	5.7	5.6	5.3	5.1	24.2
Hater Pump	hr	2.5	5.7	5.6	5.3	5.1	24.2
Concrete Vibrator	hr	2.5	5.7	5.6	5.3	5.1	24.2
	, iii hr	0.0	0.0	0.0	0.0	0.0	0.0
Asphalt Sprayer	111	0,0	V.V				V. V
BOUR :							1 4 4
Nandur	man day	549.1	1103.4	1139.6	1322.6	2319.7	6433.4
Skilled Labourer	man day	313.0	715.0	790.5	1254.4	2800.5	5903.4
Carpenter	nan day	192.4	347.8	345.5	358.5	582.1	1814.3
Hason	aan day	0.0	0.0	0.0	0.0	0.0	0.0
Labourer	man day	6124.9	12387.0	12833.7	15069.2	26855.9	73070.7
	•	797.0	1612.8	1643.0	1820.1	2974.9	8847.8
Driver	man day	187.3	363.6	354.2	285.0	294.4	1486.5
Operator	man day	107.3	383.0	337.2	200.0	214.1	140010
TERIAL :							
Bi tunen	1	0.0	810.0	1890.0	7830.0	23085.0	33415.0
Asphalt Oil	1	0.0	0.0	0.0	0.0	0.0	0.0
Kerosene	1	0.0	90.0	210.0	870.0	2565.0	3735.0
Sand	<b>#</b> 3	2.5	20.7	40.6	150.3	432.6	646.7
Cement	bag	37.2	83.4	81.9	77.6	74.6	354.7
River Stone	13	0.0	0.0	0.0	0.0	0.0	0.0
Steel Houlds	set	0.0	0.0	0.0	0.0	0.0	0.0
Timber	#3	16.3	31.1	30.9	32.2	52.5	163.0
Paint	1	113.9	215.7	214.3	223.3	368.4	1135.6
Reinforcing Steel	kg	191.5	428.5	420.8	398.7	383.3	1822.8
Tying Hire	kg kg	1.7	3.9	3.8	3.6	3.4	16.3
11430 0416	۸ų	3 4 5	2,0	V • U			16726.2

# CONSTRUCTION AND MAINTENANCE QUANTITIES FOR ALL PROPOSED ROAD LINKS (TOTAL)

ITEN	UNIT	⟨ 1989 ⟩	( 1989 )				( JATAL )
EDUIPHENT :							
ranti iirut •				:		1	
Bulldozer/Ripper	hr	269.9	606.2	653.6	1073.6	1108.2	3709.5
Swamp Oulldozer	hr	0.0	5.7	33.0	47.3	34.6	120.6
Hotor Grader	hr	1459.2	3135.9	3324.6	4154.9	3976.7	16051.3
Hand-guide Vib. Roller	hr	246.8	666.2	451.9	1243.4	3956.3	6564.6
Tire Roller	hr	1333.3	3312.8	3634.9	3605.7	2481.9	1.988.1
Vibratory Roller (D&T)	hr	801.5	1726.3	1986.0	2732.6	2613.7	9760.1
Hydraulic Excavator; Wheel	hr	10.4	36.0	233.3	292.6	297.9	870.2
Wheel Loader	hr	1442.0	3519.0	3861.4	4934.4	4738.1	18494.9
Water Tank Truck	hr	546.2	1222.6	1327.4	1808.9	1669.4	6574.5
Dump Truck	hr	12655.6	20036.3	31073.6	41626.4	43530.6	157722.5
Flat Bed Truck with Crane	hr	2192.8	4622.1	4094.6	4212.9	6555.2	21677.6
Flat Bed Truck	hr	2922.9	6430.1	6700.0	6730.5	6041.4	29524.8
Portable Crusher/Screening	hr	411.4	1098.2	1234.1	1363.7	1255.4	5362.8
Concrete Hixer	hr	160.2	462.8	161.1	222.9	755.1	1765.1
Water Fuep	hr	459.2	1367.1	441.4	574.5	1846.4	4690.6
Concrete Vibrator	hr	39.1	99.2	47.8	56.7	129.0	370.8
Asphalt Sprayer	hr	888.0	2463.2	2817.7	2988.3	1952.7	11110.7
ABOUR :							: :
Handur	man day	1819.0	3940.1	3786.3	4722.3	5979.7	20247.4
Skilled Labourer	aan day	1280.9	3489.7	2948.6	3622.2	5906.1	17267.5
Carpenter	nan day	333.2	866.6	527.0	571.1	1394.5	: 3692.4
Mason	man day	154.9	460.8	149.2	219.3	858.8	1843.0
Labourer	man day	21348.3	43719.3	42614.2	53246.5	63759.3	224687.6
Driver	aan day	3356.8	7617.4	8022.2	7957.0	10520.4	39473.8
Operator	nan day	1334.1	3163.2	3410.4	4245.6	4242.3	16395.6
ATERIAL :							
Bitunen	. 1	216666.6	578643.2	866119.1	736236.2		2696739.6
Asphalt Oil	1	29333.3	85954.6	97653.2	98615.0	64441.6	375999.7
Kerosene	- [	42666.6	118913.2	136046.6	144309.9	96298.3	538234.6
Sand	аЗ	571.0	1607.9	1500.0	1742.2	1977.0	7478.1
Cenent	bag	627.5	1658.4	767.3	926.7	2256.3	6236.2
River Stane	. a3	194.1	548.0	176.0	254.0	969.8	2131.9
Steel Houlds	set	115.2	197.8	131.8	177.2	372.0	
Timber	83	28.0	71.9	44.8	18.7	119.1	312.5
Paint	1	113.9	222.4	223.2	235.0	530.6	1325.1
Reinforcing Steel	kg	8563.4	24299.3	10470.5	12261.2	29035.7	84630.1
Tying Nire	kg	77.8	220.6	95.1	111.2	263.6	768.3
Equivalent Royalty	2ិន	23504.1	55923.0	60854.4	76686.1	71749.1	289718.7

#### Appendix A-5

#### CONSTRUCTION AND MAINTENANCE COSTS FOR ALL PROPOSED ROAD LINKS (CONSTRUCTION)

FROV : SUMATERA				MUSI F	imwคอ		( 1000 Rp )		
IIEN	זאט	< 1988 >	< 9891 >	< 1990 >	( 1991 )	〈 [992 〉	< TOTAL >		
OUIPHENT 1		142,442	344,962	374,084	478,832	448,317	1,788,637		
Bulldazer/Ripper	15547	1,201	9,436	10,174	16,712	17,220	57,743		
Swamp Bulldozer	11470	0	65	378	542	396	1,381		
Motor Grader	13292	13,487	30,389	33,328	47,027	45,824	170,055		
Hand-guide Vib. Roller	1497	369	862	362	558	ኃ ለፀኃ	4,233		
Tire Roller	10594	9,408	26,075	29,920	31,634	20,671	117,616		
Vibratory Roller (D&T)	6635	5,317	11,454	12,513	18,130	17,341	64,755		
Hydraulic Excavator; Wheel	12463	129	448	2,907	3,646	3,712	10,842		
Wheel Loader	16425	21,672		59,448	77,215	72,164	284,387		
Kater Tank Truck	3820		4,670		6,909	6,377	25,112		
Dump Truck	5216	62.175	142.013	152.315		189,536			
Flat Bed Truck with Crane	4932	1,405	3,918	1 527	2.060				
Flat Bed Truck	3250	( ),,,	141 (74)	11 700	12.003	9.124	46.594		
Portable Crusher/Screening	43094	15,087	42,180	17,916	53,669	46,469	205,350		
Concrete Mixer	B338	1,314	42,180 3,811	1.321	53,669 1,814	6,253	14,513		
Hater Pump	460	210	627	200	261	846	2,144		
Concrete Vibrator	302				15	37			
Asphalt Sprayer			4,778	5,466	5,797	3,788	21,553		
ABOUR :		46,534	104,387	100,086	127,494	130,698	509,199		
Handur	2750	3,494	7,800	7,278	9,349	10,065	37,986		
Skilled Labourer	2200	2,063	6,104	4,791					
Carpenter	3850	580		898	818		7,220		
Hason	3850	596		574			-		
Labourer		25,118		49,137					
Driver	3500	8,959	21,016	22,327		26,409			
Operator	5000	5,724	13,998	15,281	19,803	19,739	74,545		
ATERIAL :		138,366	377,411	404,120	438,845	332,271	1,691,013		
Bitumen	380	82,333	219,576	252,407	276,794	180,876	1,011,986		
Asphalt Dil	800	23,466	68,765	78,122	70,072	51,553	300,798		
Kerosene	250	10,666	29,705	33,959	35,859	23,433	133,622		
Sand	7000	3,979	11,110	10,775	11,143	10,010	47,817		
Cenent	4000	2,361	6,300	2,741	3,396	8,726	23,524		
River Stone	8000	1,472	4,384	1,408	2,032	7,758	17,054		
Steel Houlds	7000	908	t,384	922	1,240	2,504	6,956		
Timber	90000	1,053	3,672	1,251	1,485	5,994	13,455		
Paint	3500	. 0	23	. 31	40	567	661		
Reinforcing Steel	800	6,697	19,096	8,039	7,490	22,921	66,243		
Tying Hire	1200	91	260	. 109	129	312	901		
Equivalent Royalty	250	5,442	13,136	14,356	18,345	16,717	67,996		

## CONSTRUCTION AND MAINTENANCE COSTS FOR ALL PROPOSED ROAD LINKS (MAINTENANCE)

PROV : SUMATERA	a acter	Hin	KAB I		HWAS		( 1000 Rp )
ITEN	TIRU	( 1988 )	< 1989 >	< 1990 >	( 1991 )	< 1992 >	< TOTAL >
EQUIPMENT :		33,856	67,374	68,000	69,877	106,289	345,396
Bulldozer/Ripper	15567	0	0	0	0	0	0
Swamp Bulldozer	11470	0	0	. 0	0	0	0
Motor Grader	13292	5,908	11,292	10,862	8.199	7,034	43,295
Hand-guide Vib. Roller	1497	0	134	314	1,302	3,839	
Tire Roller	10584	4,705	8,993	8,650	6,530	5,602	34,480
Vibratory Roller (D&T)	6635	0	0	0	0		. 0
Hydraulic Excavator; Wheel	12463	0	0	0	Ô	0	0
Wheel Loader	16425	2,012	3,910			=	19,385
Hater Tank Truck	3820	0	0	0	0	0	0
Dunp Truck	5216	3,835		9,764	16,373	-	75,887
Flat Bed Truck with Crane	4932	9,329		18,667	18,717	25.851	91,441
Flat Bed Truck	3250				9,780		
Portable Crusher/Screening	<b>43094</b>				5,098		
Concrete Hixer	8338	20	47	. 46	44	42	[99
Nater Pump	160	1	2	2	2	2	9
Concrete Vibrator	302	0	1	. 1	1	i	. 4
Asphalt Sprayer	1940	0	0	0	0	. 0	0
LABOUR :		16,804	33,846	34,898	40,435	70,647	196,630
Handur	2750	1,507	3,034	3,133	3,637	6,379	17,690
Skilled Labourer	2200	754	1,573	1,739	2,759	6,161	
Carpenter	3850	702	1,339	1,330	1,380	2,241	6,992
Hason	3850	0	0	0	0	0	. 0
Labourer	1650	10,104	20,438	21,175	24,864	43,982	120,565
Driver	3500	2,789	5,644	5,750	6,370	10,412	30,965
Operator	5000	916	1,818	1,771	1,425	1,172	7,432
HATERIAL :		2,619	5,549	6,107	9,381	20,282	43,940
Bitumen	380	0	307	718	2,975	8,772	12,772
Asphalt Dil	800	0	0	0	0	0	0
Kerosene	250	0	22	52	217	641	932
Sand	7000	17	144	284	1,052	3,028	4,525
Cenent	1000	148	333	327	310	298	1,416
River Stone	6000	0	0	. 0	0	0	. 0
Steel Houlds	7000	0	0	0	0	0	0
Tieber	90000	1,467	2,799	2,781	2,898	4,725	14,670
Paint	3500	398	754	750	781	1,299	3,972
Reinforcing Steel	800	153	342	328	318	308	1,455
Tying Wire	1200	2	4	4	4	4	18
Equivalent Royalty	250	434	844	857	826	1,219	4,180

### CONSTRUCTION AND MAINTENANCE COSTS FOR ALL PROPOSED ROAD LINKS (TOTAL)

PROV : SUMATERA	n bt.LA]	VIA :	KAB :	MUSI	CHWH		( 1000 Rp )
ITEN	UNIT	< 1988 >	( 1989 )	< 1990 >	( 1991 )	( 1992 )	( TOTAL )
EQUIPHENT :		176,298	412,338	442,084	548,709	554,606	2,134,033
Bulldozer/Ripper	15567	4,201	9,436	10,174	16,712		57,743
Swamp Bulldozer	11470	0		378		396	1,381
Hotor Grader	13292	19,395	41,681	44,190	55,226	52,858	213,350
Hand-guide Vib. Roller	1497	369	996	676		5,921	9,822
Tire Roller	10586	14,113	35,068	38,478	38,164	26,273	152,096
Vibratory Roller (D&T)	6635		11,454	12,513	18,130	17,341	64,755
Hydraulic Excavator; Wheel	12463	129	448	2,907	3,646	3,712	10,842
Wheel Loader	16425	23,684	57,798	63,422	3,646 81,046	77,822	303,772
Nater Tank Truck	3820	2,086	4,670	5,070	6,709	6,377	25,112
Dump Truck	5216	66,010			217,123	227,055	822,676
Flat Bed Truck with Crane	4932				20,777	32,329	106,909
Flat Bed Truck	3250	9,173			21,873		
Fortable Crusher/Screening	43094				59,767		
Concrete Mixer			3.858	1.367	1,858	6,295	14,712
Hater Pump	460	211	629	202	263	848	2,153
Concrete Vibrator	302	10	29	13	16	.511	106
Asphalt Sprayer	1940	1,724	4,778	5,466	5,797	3,788	21,553
ABOUR :		63,338	138,233	134,984	167,929	201,345	705,829
Handur	2750	5,001	10,834	10,411	12,986	16,444	55,676
Skilled Labourer	2200	2,817	7,677	6,530	7,968	12,993	37,985
Carpenter	3850	1,282	3,336	2,028	2.198	5,369	14,212
Kason	3850	596	1,774	574	844	3,306	7,094
Labourer	1650	35,224	72,136	70,312	87,856	105,202	370,730
Driver	3500	11,749	26,660	20,077	34,849	36,821	
Operator	500 <b>0</b>	6,670	15,816			21,211	81,977
ATERIAL :		140,985	382,760	410,229	448,226	352,553	1,734,953
Bitumen	380	82,333		253,125	279,769	187,648	
Asphalt Oil	800	23,466	68,765	78,122	78,872	51,553	300,799
Kerasene	250	10,666	29,727	34.011	36,076	24,074	134,554
Sand	7000	3,996	11,254	11,059	12,195	13,839	52,342
Cement	4000	2,509	6,633	3,068	3,706	9,024	24,940
River Stone	8000	1,472	4,384	1,408	2,032	7,758	17,054
Steel Haulds	7000	806	1,384	922	1,240	2,604	4,956
Timber	90000	2,520	6,471	4,032	4,383	10,719	28,125
Paint	3500	398	777	781	821	1,956	4,633
Reinforcing Steel	800	6,850	19,438	0,375	9,808	23,227	67,698
Tying Wire	1200	93	264	113	133	316	919
Equivalent Royalty	250	5,876	13,980	15,213	19,171	17,936	72,176

Appendix A-6 QUANTITIES OF BRIDGE ON PROPOSED ROAD LINKS

INK NO	BRIDGE HANE	Ka	From	(Y TYF (EXTXE)	(NEM) (E ))	DESIGN LOAD	SPAN CLASS	LENGTH	HO	SPAN LENGTH	HIDIH	AREA (EXIST)	AREA (NEW)	PIER		ROAD CLASS
			*****				,	(a)	(00)	(a)	(a)	(n2)	(n2)	(110)	(no)	
5	DUNGIN	4	X	KK				10.00	3	6.00	4.00	72.00		. 2	2	1110
	И. I И. I		NGBA	KK				8.00	. 4	2.00	4.00	32.00		3	2	
	Hri	. 17	NGBA	KK	*****			26.00	. 6	4:33	4.00	104.00		5	2	
8	TEHELAT	12	: <b>X</b>	68				32.00	5	6.40	4.00	128.00		4	2	1119-2
	BAUNG	16	SKKR	68				13.00	3	4.33	4.00	52.00	. "	2	2	
•	KUNGKU	22	SKKY	6B				23.00	5	4.60	4.00	92.00		4	2	
	GATAL	27	SKKY	68				10.00	. 3	3.33	4.00	40.00		2	2	
	LANBAN AKO	24	SKKA	G8				8.00	3	2.67	4.00	32.00		2	2	
	OYAN	26	SKKY		МĬ	101	(B)	10.00	2	5.00	4.00	0.00	10.00	1	2	
:	A.BARAU	26	X	KK				13.00	5	2.60	4.00	52.00		4	2	
12	N.1	1	TOPH		ŔC	BN50	(D)	9.00	1	7.00	4.50	0.00	40.50	0	2	 111A
	AIR SERUT		TBPN	KÐ				5.50			4.40		10100	0	2	4 1 1 171
	ANAK AIR KUTI	4	TBPN	KΒ				5.50	i	5.50	5.00	27.50		ŏ	2	
	HESAI	4	TOPN	68				19.00	2	9.50	3.50	66.50		ĭ	2	
	AIR KUTI		TOPN	68				17.00	4	4.25	5.00	85.00		3	2	
13	JUKUNG	3	TBRJ	~~~	RC .	BN50	(0)	6.00	1	6.00	4.50	0,00	27.00	0	2	 111A
	KANAT		TBRJ		RC.	8M50	(D)	20.00	2	10.00	4.50	0.00	90.00	i	2	11111
14	N, I	2	X	K8				4.00	i	4.00	3.50	14.00		0	2	IIIA
	AIR MÉGANG		HBHJ	KB				24.00	7	3.43	3.50	84.00		- 6	2	
	AIR SENARO	19	KGHJ	LL				13.00	1	13.00	3.50	45,50		0	2	
24	SUBANAYAN	6	• х	KB				10.00	2	5.00	3.50	35.00		i	2	1114
	N. I	- 7	SKTN	KB				3.00	1	3.00	3,50	10.50		0	. 2	
26	AIR HEGANG	1	X	. KK.	RC	8X50	(C)	16.00	2	8.00	4.50	64.00	72.00	1	2	1114
	AFYUR IRIGASI	3	WKSR	K9				5.00	1/		3.50	17.50		ò	2	****
	1.4		MKSR	KK				4.00	1	4.00	3.50	14.00		Ō	2	
	N. 1	9	MKSR	KK	RC	BM50	<b>(B)</b>		. 1	5.00	4.50	17,50	22.50	0	2	
	AIR DERAS	10	WKSR		RC	BM50	(8)	10.00	í	10.00	4.50	0.00	45.00	0	2	
29	ALRKETUANBESAR	8	<b>y</b>	KK				8.00	i	8.00	3.50	28.00	*	0	2	IIIA
~-	ALRKETUANBESAR		DJYA	ü				8.00	i	8.00	3.50	28.00		0	. 2	1110
31	N. [	0	X	KB				3.00	 !	3.00	3.00	9.00		0	2	ÌHA
~.	AIRKETUANBESAR	n	TRKY	KB				5.00	1	5.00	3.50	17.50		0	2	1110
	ALRKETUANBESAR	8	TRKY	KK				3.00	1	3.00	3.50	10.50		Ŏ	2	
37	JERNIH		X	KK 	RC	BH50	(C)	8.00		8.00	4.50	28.00	36.00		2	IIIA
97	PANCUR	3 5	KRYR	LL	, no	Mena	(6)	8.00	2	4.00	3.50	28.00	30.00	0	2	1114
	PUTIH	a 8	KRYR	LL				15.00	4	3.75	3,50	52.50		3	2	
	FOITH FINGKIP	14	KRYR	KK				30.00	8	3.75	3.50			. 7	2	
		16	KRYR	II.				9.00	3	3.00	3.50	31.50		7	2	
	REHPAN Kersik	22	KRYR	LL				8.00	3 1:	200	3.50	28.00	*	. 4	2	
	NIBUNG	26	KRYR	ii.				17.00	1	17.00	3.50	20.00 59.50		0	2	
			r. n. i n	1.1.				11.00		11.00	3.49			U		

NO NO	BRIDGE NAME	Ka	From	({ TYI (EXIST)				LENGTH (m)	SPAN NO (no)	SPAN LENGTH (m)	WIDTH (m)	AREA (EXIST) (#2)	AREA (NEW) (m2)	PIER (no)	ABUT (no)	ROAD CLASS
}	BETUAH	<u></u>	SRRS	KK	*****			18.00	5	3,60	3.50	63.00		4	2	IIIA
	KEPAYANG	2	SRRS	KK				13.00	3	4.33	3,50	45.50		2	2	
	TELIKANG	6	SRRS	KK				18.50	4	4.63	3.50	64.75	:	3	2	
	BANDING DUA I	8	SRRS	. LL	RC	BH50	(D)	18.00	2	9.00	4.50	63.00	81.00	1	2	
	BANDING DUA	8	SRRS	LL				21.50	. 4	5.39	3.50	75.25	*	3	2	
	PUTING BELIUNG	10	SRRS	KK				12.00	2	6.00	3.50	42.00		1	2	
	PELAS	11	SRRS	KK				12,00	2	6.00	3.50	42.00		i	2	
	ANI	12	SRRS	KK		•		17.00	. 3	5.67	3.50	59.50		2	2	
	KANDANG	13	SRRS	KK				15.50	2	7.75	3.50	54.25		1	2	
	SUBAN	15	SRRS	KK		÷		26.70	5	5.34	3.50	93.45		Ā	2.	
			SRRS	LL				8.40	1	8.40	3.50			'n	2	
	BEDAK	16		KK				11.00	1	11.00	3.50	38.50		۸	2	
		. 17	SRRS									64.75		3	2	
	TIMBANGAN	18	SARS	· KK				18.50	4	4.63	3.50	4 2 5 2		ى 1	-2	
	PENDAN I	20	SRRS	KĶ				12.00	2	6.00	3.50	42.00		1	: 2	
	PENDAN II	20	SRRS	KK				14.50	3	4.83	3.50	50.75	i.	7		
	LAHBAN	21	SRRS	KK			1	19.00	3	6.33	3.50	and the second second		2	2	
	MUARA NILAU	23	Srrs	LL				6.00	- 1	6.00	3.50	21.00		0	2	
	KELEBANG	23	SRRS	KK				5.00	1	5.00	3.50	17.50		0	: 2	
	HUARA NILAU II	23	SRRS	LL				4.00	i	4.00	3.50	14.00		0	2	
	BATU KURSI	23	SRRS	ХX				8.00	1	8.00	3.50			Đ	2	
	TELUK SELANG	24	SRRS	KK				10.00	11	0.91	3.50	35.00		10	2	
	BERINGIN	24	SRRS	KK				11.00	- 1	00.11	3.50	30.50		0	2	
	GEHURU	24	SRRS	KK				8.50	1	8.50	3.50	29.75		0	2	•
	SELANG -	25	SRRS	KK				10.00	. · •	10,00	3.50	35.00		0	. 3	
	SETIAN	25	SRRS	KK				17.00	2	8.50	3.50	59.50	•	1	2	
	SIMPUR	26	SRRS	KK				21.00	4	5.25	3.50	73.50		3	2	
	HENALU	28	SRRS	KK				15.50	3		3.50			2	2	
	PANDAN	28	SRRS	XX.				13.50	2	6.75	3.50			1	2	
	TEBAT	30	SRRS	KK				6.00	i	6.00	3.50			. 0	2	
	KEJATAN	30	SRRS		RC	BM50	(D)	10.00	i	10.00	4.50		45.00	0	: 2	
	NAPALNSANJUR	30	SRRS	KK	110	Dilov	187	6.00	· i	4.00	3.50			0	2	
			SRRS	KX				4.00	. 1	4.00	3.50			. 0	ĩ	-
	SELEBAL	31		KK				16.00	2	8.00	3.50			1	2	
	TEHIANG	31	SRRS		~		<b>.</b>	10.00		0.00	J,JV 	30.00			<del>-</del>	
2	CENDANO	0	X	, LL				17.00	. 3	B.50	3.50			1	2	111B-
	BALIAN TANAH	0	MAPT	L				19.00		9.50	3.50			1	2	7.
	LEBUNS DANGAU	0	HRPT	, KK	•			4.00	1	4.00	3.50			0	. 2	
	AIRITAN	0	HRPT	69				28.00	2	14.00	3.50	98.00		1	2	
	N.I	0	KRPT	KK				11.50	4	2.88	3.50	40.25		3	2	•
	N.I	17	HRPT	Y.K				4.00	i	4.00	3.50	14.00		. 0	2	
	N.I	17	HRPT	· LL				15.00	3	5.00	3.50	52.50		. 2	2	
	R. I	0	HRPT	68				15.50	1 4	3.88	3.50			3	2	
	N. 1	0	MRPT	KK				13.00	4	3.25	3.50			3	2	
	N. 1	Ō	MRPT	KK				11.60	3	3.87	3.50			2	2	
	N. I	0	HRPT	KK				11.00	- 3	3.67	3,50			. 2		
	N. 1	ō	HRPT	KK.				18.00	- 5	3,60	3.50			4		
4	H.I	 \	<b>X</b>	RB				7.00	3	2.33	4.50	31.50		·	2	1110
,				RB							4.50			Á	2	
	N.I	3	SAKA					22.00	5	4.40				4		•
	N. I	9	SAKA	R#				14.00		1.75	4.50		•	7	2	-
	BESAR	10	SAKA	RB				10.00	4	2.50	4.50	45.00		3	2	

Appendix A-7 CONSTRUCTION AND MAINTENANCE COST OF BRIDGES
ON PROPOSAL ROAD LINKS

PROV : SUMATERA SELATAN KAB : MUSI RAWAS

LINK NO : 1 (IIIA) LENGTH : 31 Km

***************************************							(- Rp. )
1.188	UNIT	VIIIKAUD	<<< UNIT	COST >>> FOREIGN	\\\\ LOCAL	COST FOREIGN	>>>>> TOTAL
Superstructure (limber; Span 3m; 101)		0.00	40,449	4,625	0	. 0	0
Superstructure (Timber; Span 5a; 101)	a2	0.00	44,803	5,106	0	. 0	Č
Superstructure (Timber; Span 8m; 101)	e2		59,342	6,704	0	0	
Superstructure (Timber:Span 3m:8HSO)	a2	0.00	50,155	5,718	0	ò	
Superstructure (limber;Span 5m;8H50)	<b>a</b> 2	0.00	54,754	6,193	0	0	. (
Superstructure (Timber:Span Bm; BMSO)	<b>a</b> 2	0.00	69,443	7,839	0	ò	. (
Superstructure (Concrete; Span 3x; 81150)	. a2	0.00	16,918	87,120	0	0	
Superstructure (Concrete; Span 5m; BM50)	<b>#</b> 2	0.00	48 244	97,358	0	0	. (
Superstructure (Concrete; Span On; BN50)	<b>a</b> 2	0.00	49,743	106,046	· · · ò	. 0	
Superstructure (Concrete; Span10m; BMSO)	m2	126.00	54,456	120,445	6,861,456	15,176,070	22,037,528
Superstructure (Concrete: Span15m; 8MSO)	<b>62</b>	0.00	58,773	141,877	0	0	
Substructure (Piersfor Timber: 101)	NO	0.00	352,367	43,111	0	0	
Substructure (Abut; for Timber; 101)	NO	0.00	989,321	187,409	0	0	
Substructure (Piersfor Timber: BH50)	NO	0.00	518,232	63,825	0	. 0	
Substructure (Abut; for Timber; BH50)	NO	0.00	1,114,504	212,426	0	0	
Substructure (Pier; for Concrete; BH50)	NO	1.00	1,726,659	456,252	1,726,659	456,252	2,182,91
Substructure (Abut: for Concrete: 8H50)	NO	4.00	3,593,712	964,078	14,374,848	3,856,312	18,231,16
Demolition of Bridge (Timber-)Timber)	87	0.00	11,358	1,728	0	0	
Demolition of Bridge (Timber-)Concrete)	#2	63.00	11,359	1,728	715,554	108,864	824,41
Demolition of Bridge (Concrete)	<b>52</b>	0.00	81,147	88,076	0	0	ve.ii.i
Maintenance of limber Bridge (New)	<b>a</b> 2	0.00	7,487	1,343	· 0	0	
Haintenance of Concrete Bridge (Hex)	я2	126.00	1,818	2,591	229,068	326,466	555,53
Maintenance of Timber Bridge (Exist)	92	1396.85	7,533	2,513	10,522,471	3,510,284	14,032,75
Maintenance of Concrete Bridge (Exist)	<b>a</b> 2	0.00	4,153	2,360	0	0	
( Without Overhead )		rotal cost	(Timber Brid	ne)	. 0		
Taraba Vicinion /	,		(Concrete Br		23,678,517	17,597,478	43,276,01
	٠.	IOTAL COST	(without Hair	-	23,678,517	19,597,498	43,276,01
					.*v,nu		
(Overhead : 15%)		IDIAL COST	(Timber Brid		0	0	10 719 11
			(Concrete Br		27,230,295	22,537,123	49,767,41
· · · · · · · · · · · · · · · · · · ·		IVIAL COST	lwithout Nai	ntenance)	27,230,295	22,537,123	49,767,41

PROV : SUMATERA SELATAN KAB : MUSI RAWAS

LINK NO : 37 (IIIA) LENGTH : 28 Km

•				٠			e La Al	( Rp )
IIEN		זואט	QUANTITY	<<< UNIT	COST >>> FOREIGN	((((	C COST FOREIGN	>>>>> 101AL
! .								***********
Superstructure	(Timber;Span 3m;101)	*2	0.00	40,449	1,625	0	. 0	0
Superstructure	(Timber;Span Sm;101)	<b>=</b> 2	0.00	44,803	5,106	0	0	: 0
Superstructure	(limber:Span 8m:101)	<b>a</b> 2	0.00	59,342	6,701	0	0	Û
	(Timber:Span 3m;8850)	<b>#</b> 2	-0.00	50,155	5,718	: 0	0	0 '
Superstructure	(Timber:Span 5m; BH50)	<b>#2</b>	0.00	54,754	6,193	0	0	0.
Superstructure	(Timber; Span 8m; BHSO)	n2	0.00	69,443	7,839	0	0	0
	(Concrete;Span 3s;BH50)	•2	0.00	46,719	87,120	0	0	. 0
Superstructure	(Concrete; Span 5m; 9H50)	<b>#2</b>	-0.00	49,244	97,358	0	0	0
Superstructure	(Concrete; Span 8#; PH50)	a 2	36.00	49,743	106,046	1,790,748	3,817,656	5,608,404
	(Concrete; Span10#; PH50)	a2	0.00	54,456	120,445	Q	0	. 0
	(Concrete; Span (5#; BKSO)	æ2	0.00	58,793	141,877	Q	0	0
	ier;for Timber;[0])	NO		352,367	43,111	0	0	. 0
	but;for Timber;1011	KO	0.00	989,321	187,409	0.	0	0
	ier;for Timber;88501	HO	0.00	518,232	63,825	; <b>0</b>	. 0	0
	but;for Timber;8HSO)	NO	0.00	1,114,504	212,126	. 0	0	0
Substructure (Pi	ier;for Concrete;8H5O)	NO	0.00	1,726,659	456,252	0	0	. 6
	but:for Concrete:8850)	NO	2.00	3,593,712	964,078	7,187,421	1,928,156	9,115,580
	ridge (Timber-)Timber)	• 2	0.00	11,358	1,728	. 0	0	. 0
	ridge (Timber-)Concrete)	a 2	28.00	11,358	1,728	318,021	48,384	366,408
	idge (Concrete)	• •2	0.00	81,147	68,076	0	0	0
Naintenance of	Timber Bridge (New)	e 7	0.00	7,497	1,343	0	0	0
	Concrete Bridge (New)	e 2	36.00	•	2,591	65,448	93,276	158,724
	limber Bridge (Exist)	a2		7,533	2,513	2,768,377	923,527	3,691,904
	Concrete Bridge (Exist)	n2		4,153	2,360	0	0	0
( )	dithout Overhead )		TOTAL COST	(limber Brid	امه	0	0	. 0
	SICHOUL DAGINGSO 1		MINE COST	(Concrete 8r	•	9,296,196	5,791,196	15,090,392
			TOTAL CAST	(without Hair	• .	9,296,196	5,794,196	15,090,392
			IDING CODI	CALTHONE Hard	:	1,270,170	01111110	1010101212
* { l	lverhead : 15% }			(Timber Brid		0	0	0
				(Concrete 8r		10,690,625	6,663,325	17,353,951
	•		TOTAL COST	lwithout Main	ntenance)	10,690,625	6,663,325	17,353,951

: SUMATERA SELATAN

KAB : MUSI RAWAS

LINK NO : 2 (IIIB-1) LENGTH :

	,		*********				( Rp
1188	UNIT	PUANTITY	((( UNIT	COST >>> FOREIGN	(((( Local	<pre></pre> <pre>COST FOREIGN</pre>	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
						10%100	101n
uperstructure (Timber;Span 3m;101)	<b>a</b> 2	0.00	40,449	4,625		. 0	
uperstructure (limber;Span : 1;101)	a2		44,803	5,106	Ô		
uperstructure (Timber;Span 8m;101)	a2		57,342	5,704	0		
uperstructure (limber:Span 3m;BM50)	a2		50,155	5,718	0		
uperstructure (limber;Span 5m;8N50)	<b>#2</b>	****	54,754	6,173		0	
uperstructure (limber;Span Bm;DN50)	n2		69,443	7,839	0	V	
uperstructure (Concrete;Span 3m;BHSO)	e 2		46,918	87,120	0	0	
uperstructure (Concrete;Span Sn;8H50)	n2	• • • • •	18,214	97,358	Ų.	0	
uperstructure (Concrete;Span 8m;8N50)	n2		49,743		0	·	
uperstructure (Concrete;Span100;BH50)	s2		54,456	106,046 120,445	v	0	
operstructure (Concrete;SpaniSn;RNSO)	R2			• .	U	V	
ubstructure (Pierifor Timber 101)			58,793	[41,877	0	: 0	
bibstructure (Abut; for Timber; 101)	NO No		352,367	43,111	U	0	
	NO		989,321	189,409	Q	.0	
obstructure (Pier; for Timber; BMSO)	NO		518,232	63,825	. 0	0	
ubstructure (Abut; for Timber; BM50)	но		1,114,504	212,426	0	0	
ubstructure (Pier; for Concrete; 9H50)	NO		1,726,659	456,252	. 0	. 0	
ubstructure (Abut; for Concrete; BK50)	NO		3,593,712	964,078	ũ	Ů.	
emolition of Bridge (Timber-)Timber)	. #2	• • •	11,358	1,728	. 0	0 .	
emolition of Bridge (Timber-)Concrete)	<b>#</b> 2	0.00	11,359	1,728	0	0	
emplition of Bridge (Concrete)	<b>a</b> 2	0.00	81,147	68,076	0	. 0	
laintenance of limber Bridge (New)	<b>a</b> 2	0,00	7,497	1,343	0	. 0	
aintenance of Concrete Bridge (New)	<b>#2</b> .	0.00	1 818	2,591	0	0	
aintenance of limber Bridge (Exist)	a2	434.35	7,533	2,513	3,271,958	1,091,521	4,363,4
aintenance of Concrete Bridge (Exist)	<b>3</b> 2	152.25	4,153	2,360	632,294	359,310	991,6
( Without Overhead )		ontal ener	/Tinkon No.13				
r wirundt Afeldean )		101AL 6051	(Timber Brid	•	0	0	
		Intal mont	(Concrete Br		0	0	
		IVIRL EUSI	(without Hair	ntenantei	()	0	
( Overhead : 15% )		inial cost	(Timber Brid	nel	0	0	
1 570,000 1 104 1	,		(Concrete Br		0	0	
			(without Hai		0	0	

KAR . MUST RAMAS

LINK NO : 4 (IIIC)

LENGTH : 12 Km

								:	( Rp
1 T E H	וואט פו	JAHTİTY	((( UNIT LOCAL	COST >>> FOREIGN		((((( Local	COST FOREIGN		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
uperstructure (Timber;Span 3m;101)	<b>a</b> 2	0.00	40,449	4,625		0	0		
uperstructure (Timber;Span 5m;101)	e 2	0.00	44,803	5,106		0	. 0		
uperstructure (Timber;Span 8m;101)	<b>s</b> 2	0.00	59,342	6,701		0	0		
uperstructure (Timber;Span 3m;BK50)	<b>e</b> 2	0.00	50,155	5,710		0	. 0		100
uperstructure (limber;Span 5m;BM50)	<b>e</b> 2	0.00	54,754	6,193		0	0		
operstructure (Timber;Span 8m;8H5O)	<b>a</b> 2	0.00	67,443	7,839	:	0	. 0		
uperstructure (Concrete;Span 3m;BNS0)	m2	0.00	46,918	87,120		Q	0		
uperstructure (Concrete;Span 5m;RHSO)	₩2	0.00	48,244	97,358		. 0	0	:·	. :
uperstructure (Concrete;Span Ba;BN50)	<b>e</b> 2	0.00	49,743	106,046		0	0		
uperstructure (Concrete;Span10a;BH50)	<b>e</b> 2	0.00	54,456	120,445		0	0		
operstructure (Concrete:Spanism:BNSO)	<b>#2</b>	0.00	50,793	141,877		0	0		
ubstructure (Pier; for Timber; 101)	NO	0.00	352,367	43,111		0	. 0		
ubstructure (Abut; for Timber; 101)	NO	0.00	989,321	189,409		0	Ó		
ubstructure (Pier; for Timber; BM50)	NO	0.00	518,232	63,B25		0	Ō		
ubstructure (Abut; for Timber; BMSO)	NO	0.00	1,114,504	212,126		Ô	Ŏ		
ubstructure (Pier; for Concrete; BMSO)	KO -	0.00	1,726,659	456,252		Ŏ	Ô		
ubstructure (Abut; for Concrete; 8850)	NO	0.00	3,593,712	964,078		ŏ	ò		
exolition of Bridge (Timber->Timber)	<b>=</b> 2	0.00	11,358	1,728		Ò	0		
emolition of Bridge (Timber-)Concrete)	•2	0.00	11,358	1,729		Ō	ň		
emolition of Bridge (Concrete)	æ2	0.00	81,147	68,076		Ď	0		
sapilition or privade (contribit)	. 62	0.00	011141	001010		. v			
aintenance of Timber Bridge (Hew)	<b>n</b> 2	0.00	7,487	1,343		. 0	. 0		
aintenance of Concrete Bridge (New)	<b>s</b> 2	0.00	1,818	2,591	1	0	0	:	1
ointenance of Timber Bridge (Exist)	a? .	0.00	7,533	2,513		0	0		
sintenance of Concrete Bridge (Exist)	<b>#</b> 2 2	238.50	4,153	2,360		990,490	562,860		1,553,3
( Nithout Overhead )	TOTA	L COST	(Timber Bridg	e)		0	0		
			(Concrete Bri			0	0		
	1014	L COST	(without Hain	tenance)		0	. 0		
( Overhead : 15% )	1018	u roct	/Timbor Orida	a1		0		•••	
t nastusan t tor t	1018	1. 1.021	(Timber Bridg	quu) Si		0			
	TOTA	d COCT	(Concrete Bri			v ·	. V		
	1018	E EUD1	(without Hain	rengacel		U	U		:

: SUMATERA SELATAN - KAB : MUSI RAWAS

LINK NO : 5 (IIIC) LENGTH : 24 Km

Superstructure (limber;Span Sm;101)   m2   0.00   40,449   4,625   0   0	{ Rp
Superstructure (liaber; Span Sa; 101) Superstructure (Concrete; Span Sa; 101) Superstructure (Span Sa;	>>>> 101AI
Superstructure (Tiaber;Span Sa;101) a2 0.00 44,803 5,106 0 0 Superstructure (Tiaber;Span Sa;101) a2 0.00 59,342 6,704 0 0 Superstructure (Tiaber;Span Sa;18HS0) a2 0.00 50,155 5,718 0 0 Superstructure (Tiaber;Span Sa;18HS0) a2 0.00 54,154 6,193 0 0 Superstructure (Tiaber;Span Sa;18HS0) a2 0.00 69,443 7,839 0 0 Superstructure (Concrete;Span Sa;18HS0) a2 0.00 46,918 87,120 0 0 Superstructure (Concrete;Span Sa;18HS0) a2 0.00 46,918 87,120 0 0 Superstructure (Concrete;Span Sa;18HS0) a2 0.00 48,244 97,358 0 0 Superstructure (Concrete;Span Sa;18HS0) a2 0.00 49,743 106,046 0 0 0 Superstructure (Concrete;Span Sa;18HS0) a2 0.00 54,156 120,445 0 0 0 Superstructure (Concrete;Span Sa;18HS0) a2 0.00 54,156 120,445 0 0 0 Superstructure (Concrete;Span Sa;18HS0) a2 0.00 54,156 120,445 0 0 0 Superstructure (Fier;for Tiaber;101) NO 0.00 352,367 43,111 0 0 0 Substructure (Fier;for Tiaber;101) NO 0.00 99,321 189,409 0 0 0 Substructure (Fier;for Tiaber;18HS0) NO 0.00 518,232 63,825 0 0 Substructure (Fier;for Tiaber;18HS0) NO 0.00 518,232 63,825 0 0 Substructure (Fier;for Tiaber;18HS0) NO 0.00 1,114,504 212,426 0 0 Substructure (Fier;for Concrete;18HS0) NO 0.00 1,114,504 212,426 0 0 Substructure (Fier;for Concrete;18HS0) NO 0.00 1,114,504 212,426 0 0 Substructure (Fier;for Concrete;18HS0) NO 0.00 1,726,559 456,252 0 0 Deablition of Bridge (Tiaber-)Tiaber) a2 0.00 11,358 1,728 0 0 Deablition of Bridge (Tiaber-)Tiaber) a2 0.00 11,358 1,728 0 0 Deablition of Bridge (Tiaber-)Tiaber) a2 0.00 11,358 1,728 0 0 Deablition of Bridge (Tiaber-)Tiaber) a2 0.00 11,358 1,728 0 0 Deablition of Bridge (Tiaber-)Tiaber) a2 0.00 11,358 1,734 0 0 Deablition of Bridge (Tiaber-)Tiaber) a2 0.00 11,358 1,734 0 0 Deablition of Bridge (Tiaber-)Tiaber) a2 0.00 11,358 1,734 0 0 Deablition of Bridge (Tiaber-)Tiaber) a2 0.00 1,818 2,551 0 0 Deablition of Bridge (Tiaber-)Tiaber a2 0.00 1,818 2,551 0 0 Deablition of Bridge (Tiaber-)Tiaber a2 0.00 1,818 2,551 0 0 Deablition of Bridge (Tiaber-)Tiaber a2 0.00 1,818 2,551 0 0 Deablition of Bridge (Tiaber-)Tiaber a2 0.0	~~~~
Superstructure (Timber;Span Sm;101) m2 0.00 44,803 5,106 0 0 Superstructure (Timber;Span Sm;101) m2 0.00 59,342 6,704 0 0 Superstructure (Timber;Span Sm;101) m2 0.00 59,342 6,704 0 0 Superstructure (Timber;Span Sm;101) m2 0.00 50,155 5,718 0 0 0 Superstructure (Timber;Span Sm;101) m2 0.00 54,754 6,193 0 0 Superstructure (Timber;Span Sm;101) m2 0.00 69,443 7,839 0 0 Superstructure (Concrete;Span Sm;1010) m2 0.00 46,918 87,120 0 0 Superstructure (Concrete;Span Sm;1010) m2 0.00 49,744 100,046 0 0 0 Superstructure (Concrete;Span Sm;1010) m2 0.00 49,744 100,046 0 0 0 Superstructure (Concrete;Span Sm;1010) m2 0.00 54,456 120,445 0 0 Superstructure (Concrete;Span(Sm;1010) m2 0.00 54,456 120,445 0 0 Superstructure (Pier;for Timber;101) m0 0.00 352,367 43,111 0 0 Substructure (Pier;for Timber;101) m0 0.00 99,321 109,409 0 0 Substructure (Pier;for Timber;101) m0 0.00 99,321 109,409 0 0 Substructure (Pier;for Timber;101) m0 0.00 510,232 63,825 0 0 Substructure (Pier;for Timber;1010) m0 0.00 510,232 63,825 0 0 Substructure (Pier;for Timber;1010) m0 0.00 1,114,504 212,426 0 0 Substructure (Pier;for Timber;1010) m0 0.00 1,114,504 212,426 0 0 Substructure (Pier;for Timber;1010) m0 0.00 1,114,504 121,426 0 0 Substructure (Pier;for Timber;1010) m0 0.00 3,593,712 964,078 0 0 Substructure (Pier;for Timber;1010) m0 0.00 3,593,712 964,078 0 0 Demolition of Bridge (Timber-)Timber) m2 0.00 11,358 1,728 0 0 Demolition of Bridge (Timber-)Timber) m2 0.00 11,358 1,728 0 0 Demolition of Bridge (Timber-)Timber) m2 0.00 11,358 1,728 0 0 Demolition of Bridge (Timber-)Timber) m2 0.00 11,358 1,733 0 0 Demolition of Bridge (Timber-)Timber) m2 0.00 11,358 1,734 0 0 Demolition of Bridge (Timber-)Timber) m2 0.00 11,358 1,734 0 0 Demolition of Bridge (Timber-)Timber) m2 0.00 11,358 1,734 0 0 Demolition of Bridge (Timber-)Timber) m2 0.00 11,358 1,734 0 0 Demolition of Bridge (Timber-)Timber m2 0.00 11,358 1,734 0 0 Demolition of Bridge (Timber-)Timber m2 0.00 11,358 1,734 0 0 Demolition of Bridge (Timber-)Timber m2 0.00 11,358 1,734 0 0 Demolition o	ŧ
Superstructure   Concrete; Span Sa; BHSO)   a2   0.00   59,342   6,704   0   0   0	
Superstructure (limber; Span Sm; BHSO)	1
Superstructure (Timber; Span Sm; BHS0) m2 0.00 54,754 6,193 0 0 Superstructure (Timber; Span Sm; BHS0) m2 0.00 69,443 7,839 0 0 Superstructure (Concrete; Span Sm; BHS0) m2 0.00 46,718 87,120 0 0 Superstructure (Concrete; Span Sm; BHS0) m2 0.00 46,718 87,120 0 0 Superstructure (Concrete; Span Sm; BHS0) m2 0.00 49,743 106,046 0 0 Superstructure (Concrete; Span Sm; BHS0) m2 0.00 49,743 106,046 0 0 Superstructure (Concrete; Span Sm; BHS0) m2 0.00 54,456 120,445 0 0 Superstructure (Concrete; Span Sm; BHS0) m2 0.00 54,456 120,445 0 0 Superstructure (Concrete; Span Sm; BHS0) m2 0.00 58,793 141,877 0 0 Substructure (Pier; for Timber; 101) M0 0.00 352,367 43,111 0 0 Substructure (Pier; for Timber; BHS0) M0 0.00 589,321 189,409 0 0 Substructure (Pier; for Timber; BHS0) M0 0.00 518,232 63,825 0 0 Substructure (Pier; for Timber; BHS0) M0 0.00 518,232 63,825 0 0 Substructure (Abut; for Timber; BHS0) M0 0.00 1,114,504 212,426 0 0 Substructure (Abut; for Concrete; BHS0) M0 0.00 1,726,659 456,252 0 0 Substructure (Abut; for Concrete; BHS0) M0 0.00 3,593,712 944,078 0 0 Demolition of Bridge (Timber-)Timber) m2 0.00 11,358 1,728 0 0 Demolition of Bridge (Timber-)Timber) m2 0.00 11,358 1,728 0 0 Demolition of Bridge (Timber-)Concrete) m2 0.00 11,358 1,728 0 0 Demolition of Bridge (Timber-)Concrete) m2 0.00 11,358 1,728 0 0 Demolition of Bridge (Timber-)Concrete) m2 0.00 11,358 1,728 0 0 Demolition of Bridge (Timber-)Concrete) m2 0.00 11,358 1,728 0 0 Demolition of Bridge (Timber-)Concrete) m2 0.00 1,487 2,591 0 0 Demolition of Bridge (Timber-)Concrete) m2 0.00 1,487 2,591 0 0 Demolition of Bridge (Timber-)Concrete) m2 0.00 1,488 2,591 0 0 Demolition of Bridge (Exist) m2 0.00 4,153 2,360 0 0 Demolition of Concrete Bridge (Exist) m2 0.00 4,153 2,360 0 0 Demolition of Concrete Bridge (Exist) m2 0.00 4,153 2,360 0 0 Demolition of Concrete Bridge (Exist) m2 0.00 4,153 2,360 0 0 Demolition of Concrete Bridge (Exist) m2 0.00 4,153 2,360 0 0	,
Superstructure (limber; Span 8m; 8H50)         m2         0.00         69,443         7,839         0         0           Superstructure (Concrete; Span 3m; 8H50)         m2         0.00         46,918         87,120         0         0           Superstructure (Concrete; Span 5m; 8H50)         m2         0.00         48,244         97,358         0         0           Superstructure (Concrete; Span 8m; 8H50)         m2         0.00         49,743         106,046         0         0           Superstructure (Concrete; Span 15m; 8H50)         m2         0.00         54,456         120,445         0         0           Superstructure (Concrete; Span 15m; 8H50)         m2         0.00         58,793         141,877         0         0           Superstructure (Pier; for Iimber; 101)         M0         0.00         352,367         43,111         0         0           Substructure (Pier; for Iimber; 101)         M0         0.00         989,321         189,409         0         0           Substructure (Abut; for Iimber; 1010)         M0         0.00         518,232         63,825         0         0           Substructure (Abut; for Iimber; 1050)         M0         0.00         1,174,659         456,252         0         0 </td <td></td>	
Superstructure (Concrete; Span Sm; BHSO)	,
Superstructure (Concrete; Span Sa; BHSO) a2 0.00 48,244 97,358 0 0 Superstructure (Concrete; Span Ba; BHSO) a2 0.00 49,743 106,046 0 0 Superstructure (Concrete; Span Ca; BHSO) a2 0.00 54,456 120,445 0 0 Superstructure (Concrete; Span Ca; BHSO) a2 0.00 54,456 120,445 0 0 Superstructure (Concrete; Span Ca; BHSO) a2 0.00 58,736 141,977 0 0 Substructure (Pier; for Timber; 101) HO 0.00 35,7367 43,111 0 0 Substructure (Nobut; for Timber; BHSO) HO 0.00 989,321 189,409 0 0 Substructure (Pier; for Timber; BHSO) HO 0.00 518,232 63,825 0 0 Substructure (Abut; for Timber; BHSO) HO 0.00 1,114,504 212,426 0 0 Substructure (Abut; for Concrete; BHSO) HO 0.00 1,126,659 456,252 0 0 Substructure (Pier; for Concrete; BHSO) HO 0.00 1,726,659 456,252 0 0 Substructure (Abut; for Concrete; BHSO) HO 0.00 3,593,712 964,078 0 0 Demolition of Bridge (Timber->Timber) a2 0.00 11,358 1,728 0 0 Demolition of Bridge (Timber->Concrete) a2 0.00 11,358 1,728 0 0 Demolition of Bridge (Timber->Concrete) a2 0.00 11,358 1,728 0 0 Demolition of Bridge (Concrete) a2 0.00 11,358 1,728 0 0 Demolition of Bridge (Concrete) a2 0.00 11,358 1,728 0 0 Demolition of Bridge (Exist) a2 0.00 1,487 1,343 0 0 Haintenance of Concrete Bridge (New) a2 0.00 1,888 2,591 0 0 Haintenance of Concrete Bridge (Exist) a2 0.00 1,888 2,591 0 0 Haintenance of Concrete Bridge (Exist) a2 0.00 4,153 2,360 0 0  (Hithout Overhead ) 101AL COST (Timber Bridge) 0 0  (Hithout Overhead ) 101AL COST (Timber Bridge) 0 0	
Superstructure (Concrete; Span 8a; BHSO)	. (
Superstructure (Concrete;Span(Sa;RM50) a2 0.00 54,456 120,445 0 0 Superstructure (Concrete;Span(Sa;RM50) a2 0.00 58,793 141,877 0 0 Substructure (Pier; for Timber; 101) H0 0.00 352,367 43,111 0 0 Substructure (Nout; for Timber; 101) H0 0.00 989,321 189,409 0 0 Substructure (Pier; for Timber; RM50) H0 0.00 518,232 63,825 0 0 Substructure (Pier; for Timber; RM50) H0 0.00 1,114,504 212,426 0 0 Substructure (Pier; for Concrete; PM50) H0 0.00 1,126,659 456,252 0 0 Substructure (Pier; for Concrete; BM50) H0 0.00 1,726,659 456,252 0 0 Substructure (Mout; for Concrete; BM50) H0 0.00 3,593,712 964,078 0 0 Demolition of Bridge (Timber-Yimber) a2 0.00 11,358 1,728 0 0 Demolition of Bridge (Timber-Yimber) a2 0.00 11,358 1,728 0 0 Demolition of Bridge (Concrete) a2 0.00 81,147 68,076 0 0 Maintenance of Concrete Bridge (New) a2 0.00 1,818 2,591 0 0 Maintenance of Concrete Bridge (Exist) a2 208,00 7,533 2,513 1,566,864 522,704 2,481 11 11 11 11 11 11 11 11 11 11 11 11 1	. !
Superstructure (Concrete; Spant 5a; 8H50)	
Substructure (Pier; for Timber; 101) NO 0.00 352,367 43,111 0 0 Substructure (Abut; for Timber; 8H50) NO 0.00 989,321 189,409 0 0 Substructure (Pier; for Timber; 8H50) NO 0.00 518,232 63,825 0 0 Substructure (Abut; for Timber; 8H50) NO 0.00 1,114,504 212,426 0 0 Substructure (Pier; for Concrete; 8H50) NO 0.00 1,726,659 456,252 0 0 Substructure (Pier; for Concrete; 8H50) NO 0.00 3,593,712 964,078 0 0 Demolition of Bridge (Timber-) Timber) m2 0.00 11,358 1,728 0 0 Demolition of Bridge (Timber-) Concrete) m2 0.00 11,358 1,728 0 0 Demolition of Bridge (Timber-) Concrete) m2 0.00 11,358 1,728 0 0 Demolition of Bridge (Concrete) m2 0.00 11,358 1,728 0 0 Demolition of Bridge (Concrete) m2 0.00 81,147 88,078 0 0 Maintenance of Timber Bridge (New) m2 0.00 7,487 1,343 0 0 Maintenance of Concrete Bridge (New) m2 0.00 1,818 2,591 0 0 Maintenance of Concrete Bridge (Exist) m2 208.00 7,533 2,513 1,566,864 522,704 2,484 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Substructure (Abut; for Tiaber; 101) NO 0.00 989, 321 189, 409 0 0 Substructure (Pier; for Tiaber; BM50) NO 0.00 518, 232 63, 825 0 0 Substructure (Abut; for Tiaber; BM50) NO 0.00 1,114, 504 212, 426 0 0 Substructure (Pier; for Concrete; BM50) NO 0.00 1,726, 659 456, 252 0 0 Substructure (Abut; for Concrete; BM50) NO 0.00 3,593, 712 964, 078 0 0 Demolition of Bridge (Tiaber-) Tiaber) az 0.00 11,358 1,728 0 0 Demolition of Bridge (Tiaber-) Concrete) az 0.00 11,358 1,728 0 0 Demolition of Bridge (Tiaber-) Concrete) az 0.00 11,358 1,728 0 0 Demolition of Bridge (Tiaber-) Concrete) az 0.00 11,358 1,728 0 0 Demolition of Bridge (Tiaber-) Concrete) az 0.00 11,358 1,728 0 0 Demolition of Bridge (Tiaber-) Concrete) az 0.00 11,358 1,728 0 0 Demolition of Bridge (Tiaber-) Concrete) az 0.00 11,358 1,728 0 0 Demolition of Bridge (Tiaber-) Concrete) az 0.00 11,358 1,728 0 0 Demolition of Bridge (Tiaber-) Concrete) az 0.00 11,358 1,728 0 0 Demolition of Bridge (Tiaber-) Concrete) az 0.00 11,358 1,728 0 0 Demolition of Bridge (Tiaber-) Concrete) az 0.00 11,358 1,728 0 0 Demolition of Bridge (Tiaber-) Concrete) az 0.00 11,358 1,728 0 0 Demolition of Bridge (Tiaber-) Concrete) az 0.00 11,358 1,728 0 0 Demolition of Bridge (Tiaber-) Concrete) az 0.00 11,358 1,728 0 0 Demolition of Bridge (Tiaber-) Concrete) az 0.00 11,358 1,728 0 0 Demolition of Bridge (Tiaber-) Concrete) az 0.00 0 Demolition of Bridge (Tiaber-) Tiaber Bridge) 0 Demolition of Bridge (Tiaber-) Tiaber Bridge (Tiaber-) Tiaber Bridge (Tiaber-) Tiaber Bridge (Tiaber-) Tiaber Bridge (Tiaber-) Tiab	
Substructure (Pier; for Timber; BH50)       NO 0.00 518,232 63,825 0 0         Substructure (Abut; for Timber; BH50)       HO 0.00 1,114,504 212,426 0 0         Substructure (Pier; for Concrete; BH50)       NO 0.00 1,726,659 456,252 0 0         Substructure (Abut; for Concrete; BH50)       NO 0.00 3,593,712 964,078 0 0         Demolition of Bridge (Timber-) Fimber)       m2 0.00 11,358 1,728 0 0         Demolition of Bridge (Timber-) Concrete)       m2 0.00 11,358 1,728 0 0         Demolition of Bridge (Toncrete)       m2 0.00 11,358 1,728 0 0         Demolition of Bridge (Concrete)       m2 0.00 11,358 1,728 0 0         Beantition of Bridge (Concrete)       m2 0.00 81,147 88,076 0 0         Maintenance of Limber Bridge (New)       m2 0.00 7,407 1,343 0 0         Maintenance of Concrete Bridge (New)       m2 0.00 1,818 2,591 0 0         Maintenance of Limber Bridge (Exist)       m2 208.00 7,533 2,513 1,566,864 522,704 2,486         Maintenance of Concrete Bridge (Exist)       m2 0.00 4,153 2,360 0 0         ( Without Overhead )       101AL COST (Timber Bridge)       0 0         ( Without Overhead )       101AL COST (Timber Bridge)       0 0	
Substructure (Abut; for Tiaber; 8H50) HO 0.00 1,114,504 212,426 0 0 Substructure (Pier; for Concrete; BH50) NO 0.00 1,726,659 456,252 0 0 Substructure (Abut; for Concrete; BH50) NO 0.00 3,593,712 964,078 0 0 Demolition of Bridge (Timber->Timber) m2 0.00 11,358 1,728 0 0 Demolition of Bridge (Timber->Concrete) m2 0.00 11,358 1,728 0 0 Demolition of Bridge (Timber->Concrete) m2 0.00 11,358 1,728 0 0 Demolition of Bridge (Concrete) m2 0.00 81,147 68,076 0 0 Haintenance of Timber Bridge (New) m2 0.00 7,487 1,343 0 0 Haintenance of Concrete Bridge (New) m2 0.00 1,818 2,591 0 0 Haintenance of Timber Bridge (Exist) m2 208.00 7,333 2,313 1,566,864 522,704 2,4 Haintenance of Concrete Bridge (Exist) m2 0.00 4,153 2,360 0 0  ( Hithout Overhead ) 101AL COST (Timber Bridge) 0 0	
Substructure (Pier; for Concrete; BNSO) NO 0.00 1,726,659 456,252 0 0 Substructure (Abut; for Concrete; BNSO) NO 0.00 3,593,712 964,078 0 0 Demolition of Bridge (Timber->Timber) m2 0.00 11,358 1,728 0 0 Demolition of Bridge (Timber->Concrete) m2 0.00 11,358 1,728 0 0 Demolition of Bridge (Concrete) m2 0.00 11,358 1,728 0 0 Demolition of Bridge (Concrete) m2 0.00 81,147 68,076 0 0 Saintenance of Timber Bridge (New) m2 0.00 7,487 1,343 0 0 Saintenance of Concrete Bridge (New) m2 0.00 1,818 2,591 0 0 Saintenance of Timber Bridge (Exist) m2 208.00 7,333 2,313 1,366,864 522,704 2,4 Saintenance of Concrete Bridge (Exist) m2 0,00 4,153 2,360 0 0  ( Without Overhead ) 101AL COST (Timber Bridge) 0 0  ( Concrete Bridge) 0 0	
Substructure (Abut; for Concrete; BHSO) NO 0.00 3,593,712 964,078 0 0 Demolition of Bridge (Timber-) az 0.00 11,358 1,728 0 0 Demolition of Bridge (Timber-) az 0.00 11,358 1,728 0 0 Demolition of Bridge (Concrete) az 0.00 11,358 1,728 0 0 Demolition of Bridge (Concrete) az 0.00 81,147 68,076 0 0  Haintenance of Timber Bridge (New) az 0.00 7,487 1,343 0 0 Haintenance of Concrete Bridge (New) az 0.00 1,818 2,591 0 0 Haintenance of Timber Bridge (Exist) az 208.00 7,333 2,513 1,566,864 522,704 2,4 Haintenance of Concrete Bridge (Exist) az 0.00 4,153 2,360 0 0  ( Without Overhead ) 101AL COST (Timber Bridge) 0 0  ( Without Overhead ) 0 0	
Demolition of Bridge (Timber-) 7imber)	
Demolition of Bridge (Timber-)Concrete) #2 0.00   11,358 1,729 0 0  Demolition of Bridge (Concrete) #2 0.00 81,147 88,076 0 0  Maintenance of Timber Bridge (New) #2 0.00 7,487 1,343 0 0  Maintenance of Concrete Bridge (New) #2 0.00 1,818 2,591 0 0  Maintenance of Timber Bridge (Exist) #2 208.00 7,333 2,313 1,566,864 522,704 2,4  Haintenance of Concrete Bridge (Exist) #2 0.00 4,153 2,360 0 0  ( Without Overhead ) 101AL COST (Timber Bridge) 0 0  (Concrete Bridge) 0 0	
Demolition of Bridge (Contrete)   w2 0.00 81,147 68,076 0 0   Naintenance of Timber Bridge (New)   w2 0.00 7,487 1,343 0 0   O	
Haintenance of Timber Bridge (New)	
Haintenance of Concrete Bridge (New) &2 0.00 1,818 2,591 0 0 Maintenance of Concrete Bridge (Exist)	
Haintenance of Concrete Bridge (New) &2 0.00 1,818 2,591 0 0 Haintenance of limber Bridge (Exist) &2 208.00 7,333 2,513 1,566,864 522,704 2,000 1,153 2,360 0 0 0  ( Without Overhead ) TOTAL COST (Timber Bridge) 0 0 0 (Concrete Bridge) 0 0	
Haintenance of Timber Bridge (Exist) n2 208.00 7,533 2,513 1,566,864 522,704 2,000 4,153 2,360 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Haintenance of Concrete Bridge (Exist) m2 0,00 4,153 2,360 0 0 0  ( Without Overhead ) TOTAL COST (Timber Bridge) 0 0 0 (Concrete Bridge) 0 0	89,56
(Concrete Bridge) 0 0	07,00
(Concrete Bridge) 0 0	
(Concrete Bridge) 0 0	
TOTAL COST (without Maintenance) 0 0	
( Overhead : 15% ) TOTAL COST (Timber Bridge) 0 0	
(Concrete Bridge) 0 0	
TOTAL COST (without Maintenance) 0 0	

PROV : SUMATERA SELATAN KAB :

KAB : MUSI RAWAS

- LINK NO : 8 (1119-2)

LENGTH : 15 Km

			4.5				( Rp )
1 T E R	UNIT	QÚANTITY		COST >>> FOREIGN	LOCAL	COST FOREIGN	>>>>> TOTAL
Superstructure (fimber;Span 3m;101)	*2	0.00	40,449	4,625	0	0	0
Superstructure (Timber;Span 5m;101)	67		44,803	5,106	1,792,120	204,240	1,776,360
Superstructure (Timber;Span 8#;101)	• 2		59,342	6,704	0	0	. 0
Superstructure (limber;Span Ju;8H5O)		0.00	50,155	5,718	. 0	0	0
Superstructure (Timber;Span Sm;BM50)	3/	0.00	54,754	6,193	0	0	0
Superstructure (fimber;Span 8m;BH50)	a?	0.00	69,443	7,839	0	0	0
Superstructure (Concrete;Span 3m;BMSO)	82	0.00	46,918	87,120	. 0	0	0
Superstructure (Concrete; Span 5m; 8M50)	9.7	0.00	48,244	97,358	0	0	. 0
Superstructure (Concrete:Span Ba:BN50)	■2	0.00	49,743	106,046	0	. 0	0
Superstructure (Concrete; Spanion; BM50)	m.7	0.00	54,456	120,445	0	0	0
Superstructure (Concrete; Span15a; BM50)	97	0.00	59,793	141,877	0	. 0	0
Substructure (Pier; for Timber; 101)	NO	1.00	352,367	43,111	352,367	43,111	
Substructure (Abut; for Timber; 101)	NO	2.00	989,321	189,409	1,978,642	378,818	2,357,460
Substructure (Pier;for Timber;BH50)	HC	0.00	518,232	63,825	0	0	0
Substructure (Abut; for Timber; 8850)	. HO	0.00	1,114,504	212,426	0	. 0	0
Substructure (Pier; for Concrete; BN50)	NO	0.00	1,726,659	456,252	0	. 0	0
Substructure (Abut; for Concrete; 9H50)	H(	0.00	3,593,712	964,078	0	0	0
Desolition of Bridge (Timber-)Timber)	#7	0.00	11,359	1,728	0	0	0
Demolition of Bridge (Timber-)Concrete	) 62	0.00	11,358	1,728	0	0.	0
Demolition of Bridge (Concrete)	*2	0.00	81,147	68,076	0	0	0
Maintenance of Timber Bridge (New)	•2	40.00	7,487	1,343	299,480	53,720	353,200
Haintenance of Concrete Bridge (New)	97	0.00	1,818	2,591	0	· . 0	0
Haintenance of Timber Bridge (Exist)	#3	52.00	7,533	2,513	391,716	130,676	522,392
Haintenance of Concrete Bridge (Exist)	<b>9</b> 7	344,00	4,153	2,360	1,428,632	811,840	2,240,472
( Without Overhead )		10101 10101	(limber Brid		4,123,129	626,169	4,749,298
, miritage Assinsan 1		ININE DUST	(Concrete Br		0	020,107	0
	÷	TOTAL COST	(without Mai			626,169	4,749,298
		, ***********		ين والدالية بالعامل			
( Overhead : 15% )		TOTAL COST	(lieber Brid		4,741,598	720,094	5,461,693
			(Concrete Br		0	0	0
		TOTAL COST	(without Hai	ntenancel	4,741,598	720,094	5,461,693

FROV

: SUMATERA SELATAN KAB : MUSI RAWAS

LÍMK NO : 12 (UIIA)

LENGTH : 6 Km

						•		(Rp)
TEH	 l	I I I HI	OUANTITY	<<< UNIT	COST >>> FOREIGN	(((((	TROD Kalanda	>>>>> Total
				***********	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	************		
Superstructure (Timber:Span 3m:101)		<b>a</b> 2	0.00	40,449	4,625	0.0	0	
Superstructure (Timber;Span Sm;101)		<b>2</b> 2	0.00	44,803	5,106	٨	. 0	
Superstructure (limber;Span 8m;[0])		aZ		59,342	6,704	. 0	. 0	
Superstructure (limber;Span Jm;8M50)		±2	0.00	50,155	5,718	0	0	
Superstructure (limber;Span Sm;DHSO)		e2	0.00	54,754		0	0	
Superstructure (limber;Span 8m;BH50)		92		69,143	7,839	۸	0	•
Superstructure (Concrete; Span 3m; BNSO)	. :	ø2	0.00	46,918	87,120	0	.0	
Superstructure (Concrete; Span 5m; BM50)		m2	0.00		•	•		
Superstructure (Concrete; Span 8m; 8MSO)		#Z	0.00	46,244	97,358	. 0	0	
Superstructure (Concrete; Spanion; 2850)		#2 #2		49,743	106,046	0	4 535 465	
Superstructure (Concrete;Spanisa;8850)			40.50	54,456	120,115	2,205,468	4,878,022	7,083,49
		#2 !!!	0.00		141,877	4.2	0	
Substructure (Pier; for Timber; [0])		NO	0.00	352,367	43,111	0	0	
Substructure (Abut; for Timber; 101)		NO	0.00	989,321	189,409	0	0	
ubstructure (Pier; for Timber; BM50)		NO	0.00	518,232	63,925	. 0	. 0	
Substructure (Abut; for Timber; BHSO)		HO	0.00	1,114,504	212,126	0	. 0	
Substructure (Pier; for Concrete; 8H50)		HO	0.00	1,726,659	456,252	0	0	
Substructure (Abut; for Concrete; PH50)		NO	2.00	3,593,712	964,078	7,187,424	1,928,156	9,115,58
Demolition of Bridge (limber->limber)		≥2	0.00	11,359	1,728	0	0	
lemolition of Bridge (limber->Concrete)		<b>e</b> 2	0.00	11,358	1,728	0	Q.	
Demotition of Bridge (Concrete)		•2	0.00	81,147	68,076	0	. 0	
laintenance of Timber Bridge (Hew)		a2	0.00	7,487	1,343	0	. 0	
Haintenance of Concrete Bridge (New)		p2	40.50	1,818	2,591	73,629	104,935	179.58
laintenance of Timber Bridge (Exist)		£2	0.00	7,533	2,513	0	0	•
daintenance of Concrete Bridge (Exist)		<b>9</b> 2	203.20	4,153	2,360	843,889	479,552	1,323,4
( Without Overhead )			OTAL COST	(Timber Brid	ge)	0	. 0	
				(Concrete Br	•	9,392,892	6,806,178	16,199,0
		1	OTAL COST	(without Hai		9,392,892	6,806,178	16,177,0
( Overhead : 15% )		1	IOTAL EOST	(Timber Brid	qė)	0	0	
			:	(Concrete Br		10,801,826	7,827,105	18,628,9
				(without Nai		10,801,826	7,827,105	18,628,9

SUMATERA SELATAN KAB : MUSI RAWAS

LINK NO : 13 (111A) LENGTH : 8 Km

									( Rp 1
ITEH			UNIT	YTTTMAUQ	COCAL VICAL	COST >>> FORELGN	CCCAL	(< COST FORETON	)>>>> TOTAL
	### ## ## ## ## ## ## ## ## ## ## ## ##								
Superstructure <u>(1</u>	imber;Span Jo;101)	٠	#2	0.00	40,449	1,625	0	0	(
	imber;Span 5m;101)		•2	0.00	44,803	5,106	0	. 0	(
	imber:Span Bm:101)		<b>e</b> 2	0.00	59,342	6,704	0	0	. (
	imber:Span 3m:BH501		<b>2</b> 2	0.00	50.155	5,718	0	0	
	imber:Span 5n:BH50)		e2	0.00	54,754	6,193	0	0	
imperstructure ()	imber:Span 8m;PK50)		<b>a</b> 2	0.00	69,443	7,839	0	. 0	:
Superstructure (C	oncrete;Span 3m;BH50)		#2	0.00	46,918	87,120	0	0	
Superstructure (C	oncrete;Span 5m;BN50)		<b>a</b> 2	0.00	48,244	97,358	0	0	
Superstructure (C	oncrete;Span 8m;BH50}		<b>=</b> 2	27.00	49,743	106,046	1,343,061	2,863,242	1,206,30
Superstructure (C	ontrete:Span10m:9K50)		■2	90.00	54,456	120,445	4,701,040	10,840,050	15,741,09
	oncrete:Span(5a;8N50)		<b>a</b> 2	0.00	58,793	141,077	0	0	
	rifor Tieber:101)		KO	0.00	352,367	43,111	0	0	
	tifor Timber;1071	1.	NO	0.00	989,321	197,407	0	0	
	r;for limber;BH50)		NO	0.00	518,232	63,825	0	0	
The state of the s	t;for Timber;BH50)		NO	0.00	1,114,504	212,126	0	0	
	r;for Concrete;BH50)	:	NO	1.00	1,726,659	456,252	1,726,659	456,252	2,182,91
	tilor Concrete; BH50)		HO	4.00	3,593,712	964,078	14,374,848	3,856,312	18,231,16
	dge (Timber->Timber)		æ2	0.00	11,358	1;728	0	0	,,
	dge (Timber-)Concrete)	į	#2	0.00	11,358	1,728	0	0	
esolition of Bri			<b>#2</b>	0.00	81,147	68,076	0		
aintenance of Ti	mber Bridge (New)		92	0.00	7,497	1,343	0		:
	ncrete Bridge (New)	1.0	<b>a</b> 2	117.00	1,818	2,591	212,706	303,147	515,85
	mber Bridge (Exist)		82	0.00	7,533	2,513	0	0	
	ncrete Bridge (Exist)		<b>#2</b>	0.00	4,153	2,360	0	0	÷
( Wi	thout Overhead )	* <b>-</b>	   	OJAL COST	(limber Brid	ge)	0	0	
					(Concrete Dr		22,345,608	18,015,856	40,361,4
			1	OTAL COST	(without Mai		22,345,608	18,015,856	40,361,46
. L Ov	erhead : 15% )		1	DIAL COST	(Timber Brid	ge)	0	0	
					(Concrete Dr		25,697,449	20,718,234	46,415,6
			,	OTAL ONCY	(without Mai		25,697,449	20,718,234	46,415,68

: SUMATERA SELATAN KAB : MUSI RAWAS

LINE NO : 14 (IIIA) . LENGTH : 21 Km

								( Rp )
1 TEN	UNIT	QUANTITY	<<< UNIT Local	COST >>> FOREIGN		((((( Local	COST Foreign	>>>>> Total
Superstructure (limber:Span 3m;101)	#2	0.00	40,449	1,625		0	0	
Superstructure (limber:Span 5m;101)	a?	0,00	44 803	5,106		0	0	0.
Superstructure (limber(Span Bg:10T)	<b>a</b> 2	0.00	59,342	6,704		n n	b b	. 0
Superstructure (limber; Span 3m; BH50)	#2	0.00	50, 155	5,718	1	0	0	
Superstructure (limber;Span 5m;8H50)	e2	0.00	54,754	6,193		Λ.		,
Superstructure (limber;Span Bm;BM50)	n2	0,00	69,443	7,039		0	0	. 0
Superstructure (Concrete Span Ja; 8450)	a2	0.00	46,918	87,120		0	. 0	0
Superstructure (Concrete; Span 5m; 8H50)	a 2	0.00	48,244	97,358	7.5	V .	-	0
Superstructure (Concrete;Span 8m;BH50)	a2	0.00	-	•		V ;	0	0
Superstructure (Concrete; Span 10m; 8H50)	# Z	0.00	49,743 54,456	106,046		V .	0	. 0
Superstructure (Concrete;Span15m;BH50)	a2			120,445		Ų	0	0
Substructure (Pier; for Timber; 101)	NO.	0,00 0.00	58,793	141,877	•	0	0	0
Substructure (Abut; for Timber; 101)	NO NO	0.00	352,367	43,111		- 1,0 1 .	. 0	. 0
Substructure (Pierifor Timber;8850)	UN UN		989,321	187,407		0	0	0
Substructure (Abutifor Timber; BH50)	NO NO	0.00		63,875		0	0	0
Substructure (Pierifor Concrete; BMSO)	NO.	0.00	1,114,504	212,426		0	0	0
Substructure (Abut; for Concrete; BK50)		0.00	1,726,659	456,252		0.	0	0
Demolition of Bridge (Timber-)Timber)	NO	0.00	3,593,712	961,078		0	0	0
	₽2	0.00	11,358	1,728		0	0	0
Demolition of Bridge (Timber->Concrete)	<b>a</b> 2	0.00	11,359	1,728		0.	0	. 0
Demotition of Bridge (Concrete)	яŽ	0.00	01,147	68,076		0	0	0
Maintenance of Timber Bridge (New)	a2	0.00	7,487	1,343		0	0	0
Maintenance of Concrete Bridge (New)		0.00	1,818	2,591		0.5	. 0	. 0
Haintenance of Ti∞ber Bridge (Exist)	<b>R</b> 2	45.50	7,533	2,513		342,751	114,341	457,092
Maintenance of Concrete Bridge (Exist)	<b>a</b> 2	98,00	f ₁ 153	2,340		106,994	231,280	638,274
( Without Overhead )	1	IDTAL EUST	(Timber Bridg			0	0	0
			(Concrete Bri	-		. 0	0	. 0
	1	IDTAL COST	(without Main	itenance)		0	. 0	. 0
								<del>-</del>
( Overhead : 15% )	_ 1	IDTAL COST	(Timber Bridg			0	0	0
			(Concrete Bri			0	0	0
•	1	IOTAL COST	(without Hair	rtenance)		. 0	0	0

KAB : MUSI RAWAS

LINK NO : 24 (IIIA)

LENGTH : 10 Km

									( Rp )
TTEH			UNIT	QUANTITY	<<< UNIT LOCAL	COST >>> FOREIGH	((((( LOCAL	COST FORELGN	)))))) (dtal
Superstruc	ture (Timber;Span 3m;10T)		•2	0.00	40,449	4,625	0	0	0
Superstruct	ture (Timber;Span 5m;10T)		*2	0.00	44,803	5,106	0	0	0
Superstruc	ture (fimber;Span 8m;101)	•	<b>6</b> 2	0.00	59,342	6,704	0	Q	0
Superstruct	ture (limber;Span 3m;BH50)		<b>n</b> 2	0.00	50,155	5,718	FF 0 FF - 1	0	0
Superstruct	ture (limber;Span 5m;BHSO)		•2	0.00	54,754	6,193	0 -	. 0	0
Superstruct	ture (limber;Span 8m;8850)		•2	0.00	69,443	7,037	0	0	0
Superstruct	ture (Concrete;Span 3e;BNSO)		.2	0.00	46,918	97,120	0	0	0
Superstruct	ture (Concrete;Span 5*;BH50)		n2	0.00	48,244	97,358	0	0	. 0
Superstruct	ture (Concrete;Span 80;8H50)	÷.	<b>a</b> 2	0.00	49,743	106,046	0	0	0
Superstruct	ture (Concrete;SpantOm;9M50)	. :	• •2	0.00	51,156	120,445	0	0	0
	ture (Concrete;Span15m;BMSO)	1	• 2	0.00	59,793	141,877	i . 0 .	0	. 0
	re (Pier; for Timber; 101)		NO	0.00	352,367	43,111	0	. 0	. 0
	re (Abut; for Timber; 101)		NO	0.00	999,321	189,409	. 0	Q	0
	re (Pier;for Timber;BH50)		. ND	0.00	518,232	63,825	0	0	0
	re (Abut; for Timber; BN50)		NO	0.00	1,114,504	212,426	0	Ò	0
	re (Pier; for Concrete; BN50)		NO	0.00	1,726,659	156,252	0	. 0	0
	re (Abul; for Concrete; 8N50)	100	ND	0.00	3,593,712	964,078	0	0	0
	of Bridge (limber-)limber)		-2	0.00	11,358	1,728	0	ð	0
	of Bridge (limber-)Concrete)		2	0.00	11,358	1,728	0	0	0
	of Bridge (Concrete)		.2	0.00	81,147	611,076	Ŏ	0	0
Baintenanco	e of Timber Bridge (New)		₽2	0.00	7,487	1,343		0	0
	e of Concrete Bridge (New)		•2	0.00	1,918	2,591	0	0	0
	e of limber Bridge (Exist)		*2	0.00	7,533	2,513	0	0	
	e of Concrete Bridge (Exist)		- 2	45.50	4,153	2,360	189,761	107,380	296,341
######################################	and deficite pringe sexisti				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.,			~~~~
	( Without Overhead )		1	ntai ener	(Timber Brid	far	0	0	
	C MICHOUC OVERHEED I			OINE COST	(Concrete Br		ñ :	Ò	· d
•			τ	nial cast	twithout Hair		Š	8	
	·			niur rosi	CMICIOUS IIBII	ittellenter			
	( Overhead : 15% )			tons lain	(Timber Brid	ne)	0	0	(
	oreritad : 10% f			51mc 6031	(Concrete Br		0	Ň	ì
			t	NTAL PRET	(without Main		0	. Λ	 
	•		ı	DINE COS!	PATEURATE URB	S. CHRUCE.		<b>V</b> .	,

PROV : SUMATERA SELATAN KAB :

KAB : MUSI RAWAS

LINK NO : 26 (111A)

LENGTH : 10 Km

								( Rp )
M <b>iliten</b> og forstaller i ligger		UNIT	QUANTETY	COCAL	COST >>> FOREIGN	<<<<< Local	COST FOREIGN	>>>>> TOTAL
	~ ~ ~							
Superstructure (Timber; Span Jm;101)		<b>a</b> 2	0.00	14 114	t ine			
Superstructure (Timber; Span 50;101)		97	0.00	40,449	1,625	. 0	. 0	0
Superstructure (Himber;Span Ba;101)		a 2	0.00	14,803	5,106	0	. 0	0
Superstructure (Himber:Span 3m;BM50)		n2		59,342	6,704	V	U	0
Superstructure (Timber; Span Sm; 8450)	•	#2	0.00	50,155	5,718		. 0	v
Superstructure (Timber:Span Da; BNSO)		#2 #2	0.00	51,751	6,193	U		
Superstructure (Concrete Span 3a;8850)		82	4 14 4	69,443	7,839	V		. 0
Superstructure (Concrete; Span 5e; 8050)	٠.		0.00	46,918	87,120	1 475 484	U	0
Superstructure (Concrete; Span Ba; BH50)		<b>#</b> 2	40.00	48,244	97,358	1,085,490	2,190,555	
		92		49,743	105,046	3,581,498	7,635,312	
Superstructure (Concrete; SpanlOm; BH50)		a2	-7	54,456	120,445	2,450,520	5,420,025	7,870,545
Superstructure (Concrete; SpanlSo; BN50)		<b>a</b> 2		58,793	141,077	0	, 0,	0
Substructure (Pier; for Timber; 101)	100	NO		357,367	43,111	0	0	. 0
Substructure (Abut; for Timber; 101)	:	NO	0.00	989,321	189,409	. •	9	0
Substructure (Pier; (or Timber; BNSO)		0%		518,232	63,825	0	0	0
Substructure (Abut; for Timber; 8850)		. NO		1,114,504	212,426	0	0	
Substructure (Pier; for Concrete; 8850)		ND	4,47,377	1,726,659	456,252	1,726,659	456.252	2,102,911
Substructure (Abut; for Concrete; 2050)		HO		3,593,712	961,078	21,562,272	5,784,468	27,346,740
Denotition of Bridge (Timber-)limber)		<b>e</b> 2		11,358	1,728	. 0	0	0
Demolition of Bridge (Timber-)Concrete	)	• •2		11,358	1,728	925,677	140,832	1,066,509
Demolition of Bridge (Concrete)		<b>a</b> 2	0.00	81,147	68,076	0	0	0
Haintenance of Timber Bridge (New)		62	0.00	7,487	1,343	0	0	
Haintenance of Concrete Pridge (New)		a2	139.50	1,818	2,591	253.611	361,444	615,055
Maintenance of Timber Bridge (Exist)		<b>s</b> 2	14.00	7,533	2,513		35,182	140,644
Maintenance of Concrete Bridge (Exist)		<b>s</b> 2		4,153	2,340	72,677	41,300	113,977
774447777777777777777777777777777777777				.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,		,,,,,
( Hithout Overhead )		,	TOTAL FOOT	(Timber Bride	· n l			0
A BELIAULE DAGINGO /			IDINE 6091	(Concrete Bri		0 31,332,114	21,627,444	· 52,959,558
			1905 14101	(without Main				
			ININE ENSI	tastudat usti	itenancei	31,332,114	21,627,444	52,959,558
f D		<b></b>	TOTAL COOT	##!_b n-!:				
( Overhead : 15% )			IVIAL COST	(limber Bride		0	01.031.511	
				(Concrete Br.	-	36,031,931	21,871,561	60,903,492
•			IUIAL CUST	(without Main	itenance)	36,031,931	24,871,561	60,903,492

KAD : MUSI RAWAS

LINE NO : 29 (IIIA)

LENGTH : 12 Km

			. •				(Rp )
LIEH	1012 4	ABANTTTU		COST >>>	(((((	COST	>>>>> ********************************
	(INI)	YTTTHAUB	LOCAL	FOREIGN	LOCAL	FOREIGN	TOTAL
Superstructure (limber;Span 3m;101)	*2	0.00	40,449	1,625	0	0	Q
Superstructure (limber:Span 5m;101)	m2	0.00	44,803	5,106	0	0	0
Superstructure (Timber;Span 8m;10T)	e2	0.00	59,342	6,704	0	0	0
Superstructure (limber; Span 3m; BH50)	<b>*</b> 2	0.00	50,155	5,718	0	0	. 0
Superstructure (Timber;Span 5m;BH50)	62	0.00	54,754	6,193	0	0	0
Superstructure (limber; Span Um; 8H50)	<b>#2</b>	0.00	69,443	7,839	0	O.	0
Superstructure (Concrete; Span Ja; 8850)	<b>e</b> 2	0.00	16,918	87,120	0	0	. 0
Superstructure (Concrete: Span 5m; 8H50)	<b>#2</b>	0.00	18,244	97,358	0	0	0
Superstructure (Concrete; Span 8m; 8M50)	n2	0.00	49,743	106,046	. 0	0	0
Superstructure (Concrete; SpantOm; BMSO)	•2	0.00	54,456	120,445	0	0	0
Superstructure (Concrete:Span15a;BH50)	<b>a</b> 2	0.00	58,793	141,877	. 0	.0	0
Substructure (Pier; for Timber; 101)	ND	0.00	352,367	43,111	0	0	0
Substructure (Abut; for Timber; 101)	NO	0.00	989,321	189,409	Ò	Ô	0
Substructure (Pier; for Timber; BM50)	NO	0.00	518,232	63,825		0	0
Substructure (Abut; for Timber; BNSO)	KO	0.00	1,114,504	212,126	ň	6	0
Substructure (Pierstor Concrete;BN50)	NO	0.00	1,726,659	456,252	ň	· ŏ	. 0
Substructure (Abul; for Concrete; 8450)	,,, OK	0.00	3,593,712	964,078	, ,	Ď	0
Descrition of Bridge (limber->limber)	±2	0.00	11.359	1,728	Ŏ	n	٥
Demolition of Bridge (limber-)Concrete)	#2	0.00	11,358	1,728	0	. 0	٨
Desolition of Bridge (Concrete)	m2	0.00	81,147	68,076	Ò	0	۸
negotiction of Ectode (concrete)	. =4	0.00	01,177	00,070			. •
Maintenance of Timber Bridge (New)	<b>e</b> 2	0.00	7,487	1,343	0	: 0	0
Maintenance of Concrete Bridge (New)	<b>a</b> 2	0.00	•	2,591	0	0	. 0
Haintenance of Timber Bridge (Exist)	<b>#2</b>	56,00	7,533	2,513	421,848	140,728	562,576
Maintenance of Concrete Bridge (Exist)	<b>*</b> 2	0,00	4,153	2,360	0	0	0
				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	*****		
( Without Overhead )	,	INTAL COST	{Timber Brid	ne)	Δ	. 0	. 0
, withhat nicitiesa i		PIUE DASI	(Concrete Br		Ô	Ŏ	. 0
	1	IDTAL COOT	(without Main		. 0	0	Ò
	,	INTAL PROI			· •		·
			*****		***********	P**********	
( Overhead : 15% )	1	IDTAL COST	(Tipber Brid		0	0	0
			(Concrete Br		. 0	0	. 0
	1	TROS LATOR	(without Main	ntenanrel	O	0	0

KAB : MUSI RAWAS

LINE NO : 31 (IIIA)

LENGTH : 9 Km

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uperstructure (Ti∗ber;Sp	an 3 a: 101)	a 2	0.00	40,449	1,825	n		n.	
uperstructure (Timber:Sp		8 2	0.00	44,803	5,106	ì		ñ	
uperstructure (Timber,Sp		92	0.00	59,342	6,704	0		ń	
uperstructure (TimberiSp		a2	0.00	50,155	5,718			0	
uperstructure (limber;Sp		a2	0.00	54,754	6,193	Ň	-	n	
ugerstructure (limber:Sp		e2	0.00	69,443	7,839	. 0		á	
uperstructure (Concrete:		a2	0.00	46.918	87,120			۸	
uperstructure (Concrete;		a 7	0.00	48,244	97,358			ο .	
uperstructure (Concrete;		e 2	0.00	49,743	106.046			ń.	
uperstructure (Concrete;		e2	0.00	54,456	120,445		:	N	
uperstructure (Concrete;		a2	0.00	58,793	141,877			۸ .	
ubstructure (Pier; for Ti		HO	0.00	352,367	43,111	,		'n	
ubstructure (Abut;for Ti		NO	0.00	989,321	189,409	(ů A	
ubstructure (Pierifor Ti		NO	0.00	518,232	63,825			٨	
ubstructure (Abut; for Ti		NO	0.00	1,114,504	212,426			0	
ubstructure (Pier:for Co		NO.	0.00	1,726,659	456,252	· (N A	
ubstructure (Abut:for Co		NO	0.00	3,593,712	964,078	. (۷	
emolition of Bridge (lim		m2	0.00	11,358	1,728	. (n	
emolition of Bridge (lie		82		11,358	1,728			0	
emplition of Bridge (Con		32	0.00	81,147	68,076		' - •	0	
		78.0	****	01,117	00,070			•	
aintenance of Timber Bri	doe (Hex)	a2	0.00	7,497	1,343	. (1 :	0	
aintenance of Concrete D	•	e2		1,818	2,591	. (0	
aintenance of Timber Bri		e2		7,533	2,513	79,096		•	105,4
laintenance of Concrete B		2 2		4,153	2,360	110,054	•		172,5
(Without Dv	erhoad 1		INTAL FRET	(Timber Brid	na)	. (**********	0	
/ UTFUNGE DA	cineay j	1	IDINC CUSI	(Concrete Br			, 	n	
		1	intal chet	(without Main		. (•	0	
•	+			tastilogi ildi					
(Overhead :	15%)	,	IDTAL COST	(Timber Brid	qel:	· · (· · · · · ·	0 -	
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				(Concrete Bri	19961	į.	1	U	

