APPENDIX

FOR ESTIMATION OF THE PRODUCER'S SURPLUS BENEFIT

PRV. : LAMPUNG	KAB.	: LAMPUNG TENGAH	SURVEY YEAR: 1984
	MID+	· LAMPUNG TENGAM	SURVEY YEAR: 198

			Trupy to 1 CIVE	SURVEY	YEAR: 1984
Code No.	KECAMATAN NAME	CULTIVATED AREA: (PA)	YIELD RATE : (Y)	FARMER'S POPULATION: (AP)	CIRCULATED COMMODITY: (PG)
01	KALIREJO	2,929	2.79	han	0
02	BANGUN REJO	6,165	3./3	**	0
03	PADANG RATU	13,356	3.32	1,400	0
04	GUNUNG SUGIH	16,523	0.98	7.600	0
05	TRI MULYO	3.813	3.75	Sur-	0
06	METRO	8.935	3,25	**	0
07	BATANG HARI	6,457	4.19		0
08	SEKAMPUNG	7,986	4.10	**************************************	0
09	JABUNG	15,938	2.63	6 00-	0
10	LAB. MERINGGAI	9,963	254	1,120	0
//	WAY JEPARA	4.756	3.55	-	0
12	SUKADANA	12,122	4.36	-	0
/3	PEKALONGAN	4.329	3.14	2:-	0
14	PUNGGUR	10,002	3.87		0
15	TERB. BESAR	16,937	2.75	24,400	0
16	SEPUTIH RAHMAN	9,162	3.23	****	0
17	RAMAN UTARA	5,015	2.63	-	0
18	PURBALINGCA	7,982	0.71	-	0
19	RUMBIA	6,815	2.98	1,470	0
20	SEPUTIH BANYAK	5,685	1.12	~ .	0
21	SEPUTIH MATARAM	5,546	2.99	•	0
22	SEPUTIH SURABAYA	7.034	0.00	-	0
23	GUNUNG BALAK.	3,934	0.00	45-9	0
•					
	<u> </u>				

	rs	r ₂	r3	1 4
ANNUAL % AVERAGE GROWTH RATE	2.7	3.4	0	4.0

FARMER'S CONSUMPTION: (Cp)	NON-AGRO REQUIRMENT : (NG)
O. 19 Ton/head/year	1.48 Ton/

	SEDAN	BUS	TRUCK	MOTOR CYCLE
RATE OF EACH VEHICLE TYPE %	11.19	0.26	5.62	82.93

AVERAGE FREIGHT	0.9 Ton/Truck
TONAGE	o.y rout Truck

Appendix A-2 Engineering Data

PROVINCE : Lampung
KABUPATEN: Lampung Tengah

LINK	BEGINNING POINT	END POINT	LENGTH	THROUGH THE KEC. NAME & LENGTH		DEMARKS
NO.	(DESA NAME)	(DESA NAME)	(KM)	KEC. NAME	LENGTH (KM)	REMARKS
01	Kalirejo	Kalidadi	6	Kalirejo	6	
02 a	Kalidadi	Sendang Agung	4	Kalirejo	4	I.L.N No. 2
02 Ь	Way Langsep	Sendang Agung	10	Kalirejo	10	I.L.N No. 172
03	Sendang Agung	Sendang Mukti	5	Kalirejo	5	
04	Sendang Mukti	Payung Rejo	4	Kalirejo	2	
05	Negri Kepa- yungan	Payung Rejo	3	Padang ratu Padang ratu	3	
06	Payung Rejo	Bandarsari	8	Padang ratu	8	
07	Bangun Rejo	Sidomulyo	7	Bangun Rejo	7	
08						
09	Sidokerto	Sidobinangun	10	Punggur	10	
10	Harapan Rejo	Sri Margo Ra- hayu	8	Bangun Rejo Seputih Raman	<u>1</u>	_
11				Sopue III Ruman		
12	Untoro	Simbar Wari- ngin	8	Trimurjo	8	
13	Simbar Wari- ngin	Liman Binawi	3	Trimurjo	3	
14				**************************************		
15	Rukti Endah	Rantau Jaya	15	Seputih Raman Raman Utara	4 11	
16	Raman Utara	Seputih Raman	17	Seputih Raman Raman Utara	6	13
17	Purbolinggo	Raman Utara	15	Raman Utara Purbolinggo	11 4	
18	Hadi Mulyo	Wates	17	Gunung Sugih Trimuljo	1 15	
		:	<u> </u>	Metro	1	
19	Hadi Mulyo	Pekalongan	13	Metro Pekalongan	5 4	
				Punggur	4	
20	KBH XIII	Bale Rejo	8	Batanghari	8 -	

I.L.N = Input Link Number

PROVINCE: Lampung

KABUPATEN: Lampung Tengah

LINK	BEGINNING POINT	END POINT	LENGTH	THROUGH TI NAME & LE	. 1	DEMANVO
NO.	(DESA NAME)	(DESA NAME)	(KM)	KEC. NAME	LENGTH (KM)	REMARKS
21	Purnomo Tung- gal	Poncowati	10	Terbanggi Be- sar	10	**************************************
22	квн хіі	Pekalongan	9	Batanghari Pekalongan	4.5 4.5	
23	Restu Baru	Swastika Bua- na	9	Rumbia Seputih Banyak	7 2	
24	Gunung Sugih Kecil	Asahan	12	Jabung	12	
25	Sekampung	Negerikaton	14	Sekampung Sukadana	10 4	
26	Suka negara	Simp. Sri Pendowo	12	Bangun Rejo	12	
27	Sri Pendowo	Sri Katon	9	Bangun Rejo Padang ratu	6 3	
28	Panglong	Purwodadi	6	Metro Trimurjo	1 5	
29	Ganjar Agung	Simbar Wari- ngin	6	Trimurjo Metro	5 1	
30	Banjar sari	Purwodadi	7 :	Metro Trimurjo	6	
31	Trimurjo	Sukajawa	7	Gn Sugih Trimurjo	5 2	
32	Notoharjo	Suka jawa	6	Gn. Sugih Trimurjo	5	
33	Pujokerto	Pujodadi	3	Gn. Sugih	3	
34	Bajarejo	Balerejo	9	Batanghari	9	
35	Mulyo Jati	Margorejo	4	Metro	4	
36	Ganjar Agung	Margorejo	9	Metro	9	
37	Adi Purwo	Liman Benawi	4	Trimurjo	4	
38	Bulu sari	Pujokerto	17	Gn. Sugih	17	
39	Sukajadi	Wates	4	Gn. Sugih	4	
40	Ngesti Raha- yu	Manggungan	6	Gn. Sugih Punggur	2	
40 a	Punggur	Gn.Sugih	11	Gn. Sugih Punggur	4 7	I.L.N No. 173
41	Hadimulyo	Pekalongan	8	Metro Pekalongan	7	
42	Karang Rejo	Yosodadi	3	Metro	3	
43	Karang Rejo	Wonosari	7	Metro Pekalongan	<u>2</u> 5	

I.L.N = Input Link Number

PROVINCE: Lampung

KABUPATEN: Lampung Tengah

LINK	BEGINNING POINT	END POINT	LENGTH	THROUGH TH NAME & LEI		
NO.	(DESA NAME)	(DESA NAME)	(KM)	KEC. NAME	LENGTH (KM)	REMARKS
43 a	Dam Rahman	Purwosari	8	Pekalongan	8	I.L.N No. 174
43 b	Saptomulyo	Dam Rahman	17	Pekalongan Punggur	15 2	I.L.N No. 175
44	Bandarsari	Sri Tejo Ken- cono	10	Pekalongan Punggur	- 6 4	
45	Trisnomulyo	Sri Tejo Ken- cono	4	Sukadana Punggur	3	-
46	Sidomulyo	Kedaton	7	Sukadana Punggur	$\frac{3.5}{3.5}$	
47	Wonosari	Kalibening	8	Pekalongan	8	
48	Jojog	Tulungrejo	7	Sukadana Pekalongan	1.5 5.5	-
49	Rancang Purwo	Adirejo	9	Pekalongan	9	
50						
51	Gondang Rejo	BD. 32	10	Sukadana Pekalongan	<u>2</u> 8	-
52						
53	Rama Indra	Rukti Harjo	7	Seputih Raman	7	
54	Sri Tejo Ken- cono	Sumber Rejo	. 4	Punggur	4	
55	Totokaton	Gotong Royong	10	Punggur Gn.Sugih	9	
56	Sidobinangun	Rumbia	13	Seputih banyak		
57	Sríbasuki	Sribusono	10	Seputih Banyak	10	
58	Metro	Marga Jaya	16	Metro	16	
59	Yosodadi	Baja Rejo	7	Metro Batanghari	1 6	
59 b	BD 41	Bumi Harjo	3	Batanghari	3	I.L.N No. 176
60	Purbolinggo	Tanjung Ken- cono	6	Purbolinggo	6	
61	Sekampung	Margo Mulyo	4	Sekampung	4	
62	Rejo Asri	Bangun Rejo	15	Gn. Sugih Seputih Raman	7.5	
63	Raman Utara	Taman Sari	6	Raman Utara Purbolinggo	3	

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

I.L.N = Input Link Number

PROVINCE: Lampung

KABUPATEN: Lampung Tengah

LINK	BEGINNING POINT	END POINT	LENGTII	THROUGH TH		
NO.	(DESA NAME)	(DESA NAME)	(KM)	KEC. NAME	LENGTH (KM)	REMARKS
64	Banjar Agung	Uman Agung	9	Seputih Mata- ram	9	
. 65	Jati Datar	Terbanggi Ilin	9	Seputih Mata- ram	9	
66	Sukaraja Nu- ban	Rejobinangun	9	Sukadana Raman Utara	1 8	
67	Ramayana I	Ramayana II	9	Seputih Raman	9	
68						
69	Jati Datar	Darma Agung	8	Seputih Mata-	8	
70	Sumber baru	Sumber bahagia	6	Seputih banyak	6	
71	Wana	Batu badak	20	Jabung Gunung balak Way Jepara	om xo	
72	Lab. Ratu	Klahang	6	Way Jepara	6	9
73	Braja Sakti	Klahang	11	Way Jepara	11	
74	Tanjung Pan- dan	Bangun Rejo	7 .	Bangun Rejo	. 7	10
75	Tulung Pasih	Mandala Sari	9	Labuhan Mari- nggai	9	
76	Taman Endah	Taman Bogo	6	Purbolinggo	6	
77	Kedaton	Rejobinangun	8	Raman Utara Sukadana	1 7	
78	Rama Nirwana	Buyut Baru	11	Seputih Raman		
79	Gedong sari	Padang Ratu	20	Padang Ratu	20	
80	Poncowarno	Kalidadi	8	Kalirejo	8	
81	Sribasuki	Poncowarno	7	Kalirejo	7	
82	Tanjung Ratu	Gunung Bati- nudik	29	Terbanggi Be-	29	
83	Pulau Payung	Lempuyang Bandar	8	Terbanggi Be- sar	8	
84	Seputih Ba - nyak	Rantau Fajar	17	Raman Utara Seputih Banyak	7 10	14
85	Sakti Buana	Restu Baru	6	Rumbia Seputih Banyak	4	
86	Taman Endah	Sukadana	12	Sukadana Purbolinggo	8.5 3.5	
87 -	Srikencono	Tanjung Ken- cono	20	Purbolinggo Rumbia	7 13	

PROVINCE : Lampung

KABUPATEN: Lampung Tengah

	-			·		
LINK	BEGINNING POINT	END POINT	LENGTH		THROUGH THE KEC. NAME & LENGTH	
NO.	(DESA NAME)	(DESA NAME)	(KM)	KEC. NAME	LENGTH (KM)	REMARKS
88	Tambahdadi	Muara Jaya	12	Sukadana Purbolinggo	11	
89	Braja Sakti	Braja Luhur	18	Way.Jepara	18	
90					-	
91						
92	Suka Jawa	Rengas	13	Gn.Sugih	13	
93	Sri Basuki	Pancabakti	20	Kalirejo Bangun Rejo	9 11	
94						
95						
96	Punggur	Bangun Rejo	12	Punggur Gn.Sugih	9.5	
97						
98	Setia bakti	Swastika Bu- ana	6	Seputih Banyak	6	
99	Sumberejo	Mesgandung sari	12	Jabung Gn.Balak	6	·
100	Tanjungkari	Pakuan Aji	30	Sukadana	30	8
101						
102	Retno Basuki	Sri Kencono	12	Rumbia	12	
103	Bandar Jaya	Bumi Aji	25	Padang ratu Terb.Besar	5 20	. 5
104	Tanjung Jaya	Tan jung Pandan	7	Bangun Rejo	7	
105	Seputih Mata- ram	Wirata Agung	8	Sept.Mataram	8	
106	Girik Lopo- mulyo	Sidodadi	4	Sekampung	4	12
107	Dono Arum	Banjar Ratu	6	Terbanggi Be- sar	6	
108	Taman Asri	Negara Ratu	10	Sukadana Purbolinggo	8	
109						
110	Bungkuk	Girimulyo	5	Jabung	5	
111	Karang Endah	Nambah Dadi	7	Terbanggi Be- sar	7	

PROVINCE : Lampung

KABUPATEN: Lampung Tengah

LINK	BEGINNING POINT	END POINT	LENGTH	THROUGH TH		DEMARKS
NO.	(DESA NAME)	(DESA NAME)	(KM)	KEC. NAME	LENGTH (KM)	REMARKS
112	Mataram Marga	Way Areng	6	Sukadana	6	
113	Sumbersari	Margorejo	3	Tri Murjo Metro	1 2	
114	Rantau Jaya Udik	Susukan Baru	4	Sukadana	4	
115	Seputih Sura- baya	Mataram Ilir	5	Sukadana	5	7
116	Ps.Sukadana	Pedukuhan	7	Sukadana	7	
117	Simpang Agung	Harapanrejo	11	Terbanggi Be-	11	
118	Rejo Asri	Harapan Baru	8	Gunung Sugih Seputih Raman	0.2 7.8	
119	Selusuban	Simpang Agung	15	Terbanggi Be- sar	11	
120	Lempuyang Ban -dar	Tanjung Anom	7	Terbanggi Be- sar	7	
121	Talang Tengah	Simpang Pa- dang Ratu	20	Padang Ratu	20	
122	Dalam Kota	Metro	70	Metro	70	Dalam Kota
123	Margo Mulya	Sumbersari	6	Sekampung	6	
124	Taman Endah	Taman Fajar	3	Purbolinggo	3	11
125	Rama Gunawan	Rejo Asri	6	Seputih Raman	6	
126	Dalam Kota	Gunung Sugih	3	Gunung Sugih	3	Dalam Kota
127						
128	Dalam Kota	Bangunrejo	3	Bangun Rejo	3	Dalam Kota
129	Sadar Sriwi- jaya	Sribawono	5	Labuhan Mari- nggai	. 5	
130	J1.Trans.Polri	Gedung Wani Timur	4	Sukadana	4	
131						
132	Payung Raharjo	Sadar Sriwi- jaya	9	Jabung Gunung salak	2.5 6.5	
133	Lab.Maringgai		15	Lab.Maringgai		.4
134	Kota gajah	Purwosari	4	Sukadana Punggur	3	
135				1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		

PROVINCE : Lampung

KABUPATEN: Lampung Tengah

LINK	BEGINNING POINT			THROUGH TH NAME & LE		DEMADIC	
NO.	(DESA NAME)	(DESA NAME)	(KM)	KEC. NAME	LENGTH (KM)	REMARKS	
136							
137							
138	Darma Agung	Wirata Agung	3	Seputih Mata-	3		
139				AGIII			
140							
141	Srikaton	Bumi Harjo	12	Rumbia Sept.Surabaya	7 5		
142	Sept.Surabaya	Bumi Harjo	5	Sept.Surabaya	5		
143	·						
144	Rajabasabaru	Sriwangi	9	Lab.Maringgai Way Jepara	7 2	 	
145	Purbolinggo	Tambah Luhur	5	Purbolinggo	5		
146							
147							
148						-	
149	Lab.Maringgai	Kuala	3	Lab.Maringgai	3		
150							
151	Dalam Kota	Padang Ratu	3	Padang Ratu	3	Dalam Kota	
152	Sri Mulyo	Talang Tengah	9	Padang Ratu	9		
153							
154	Dalam Kota	Bandar Jaya		Terbanggi Be- sar		Dalam Kota	
155	Dalam Kota	Sept.Banyak		Seputih Ba- nyak		Dalam Kota	
156	Jbt.Serong	Way Areng	11	Gunung balak Lab.Maringgai	6 5		
157	Gayau Sakti	Purnomo Tung- gal	8	Terbanggi Be-	8		
158	Banjar Ratu	Banjar Kerto- rahayu	4	Terbanggi Be-	4		
159	Dalam Kota	Sept.Raman	4	Seputih Raman	4	Dalam Kota	

PROVINCE : Lampung

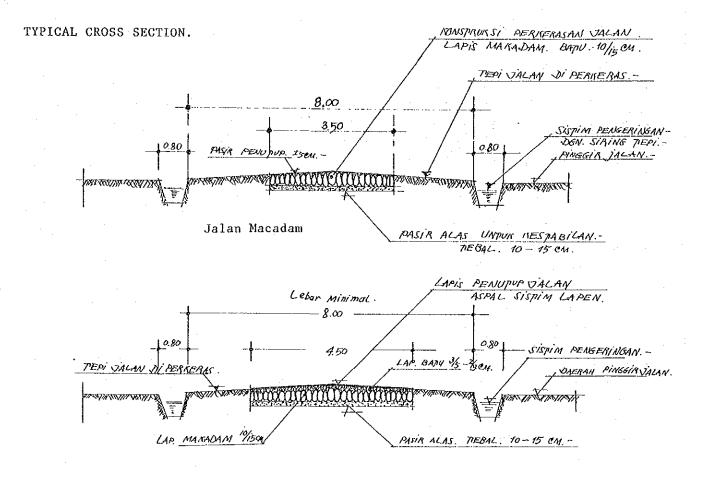
KABUPATEN: Lampung Tengah

LINK	BEGINNING POINT	END POINT	LENGTH	THROUGH TH NAME & LE		REMARKS
NO.	(DESA NAME)	(DESA NAME)	(KM)	KEC. NAME	LENGTH (KM)	REPARKS
160	Dalam Kota	Raman Utara	4	Raman Utara	4	Dalam Kota
161	Ruktisediyo	Raman Utara	8	Raman Utara	8	
162	Dalam Kota	Purbolinggo	4	Purbolinggo	4	Dalam Kota
163	Totomulyo	Tanjung Intan	5	Purbolinggo	5	
164	Sukadana	Kampung baru	11	Sukadana	11	
165	Dalam Kota	Sukadana	8	Sukadana	8	Dalam Kota
166	Sekampung	Bulu Panggung	8	Batanghari Sekampung Sukadana	3 4	
167	Rajabasalama	Transpram	10	Way Jepara Sukadana	5 5	
168	Lab.Ratu	Pancasila	6	Way.Jepara	6	
169	Donomulyo	Sekampung	6	Sekampung Sukadana	5.5 0.5	
170	Dalam Kota	Lab.Maringgai	4	Lab.Maringgai	6	Dalam Kota
171	Dalam Kota	Jabung	3	Jabung	3	Dalam Kota
						
					·	
•						
		-				

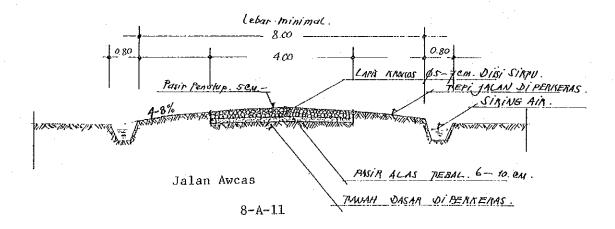
What Kind of Design Criteria has being applied for the new road construction and the improvement for the Kabupaten Road?

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)



Jalan Asphalt Seal



ROADS CONSTRUCTED OR INPROVED IN 1980/1981

Biaya konstruksi penanganan

jalan dan jembatan Kabupaten thn. 1980/1981

LINK	LOCATION	Lebar per-	, ,	LENGTH	COSTS	REMARKS
Ю .:	From - To	kerasan(m)	kerasan	Panjang		Keterang,
Nomor Ruas	(dari - ke)	Lebar Lembatan	Type Jembatan	(KM)	(Rp 10 ⁶)	an
18	Untoro - Wates	3,5	Lapen	5	49.272	
19	Hadimulyo - Purwosari	3,5	Macadam	2.5	27.892	
122	Dalam kota - Metro	3,5	Lapen	2.359	55.859	
20	Balai Kencana	3,5	Macadam	3.25	41.782	
21	Poncowati - Poncowati	3,5	Lapen	3	29.909	
05	Negeri Kepayungan-Sendang Agung	3,5	Macadam	2.1	29.349	
22	Pekalongan-KBH XII Batang	3,5	Macadam	3.6	42.883	
122	Dalam Kota Metro	3,5	Lapen	4.2	55.556	
100	Tanjung Kari-Pakuan Aji	3,5	Lapen	7	35.314	
122	Dalam Kota Sukadana	3,5	Lapen	2.5	28.637	
165	Dalam Kota Sukadana	3,5	Lapen	2.1	20.596	
124	Dalam Kota Batanghari	3,5	Macadam	0.75	16.373	
186	Dalam Kota Simbarwaringin	3,5	Macadam	1.4	21.292	
122	Dalam Kota Metro	3,5	Macadam	3,5	35.039	
19	Purwosari-Pekalongan	3,5	Macadam	4.5	45.933	
08	Hadimulyo - Pekalongan	6	Beton	8 m	16.133	
165	Sukadana-L.Panasya'ra Kamtan	4.9	Beton	14 m	19.578	

[&]quot; PAVENENT TYPE : Pls note the appropriate No. below.

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

ROADS CONSTRUCTED OR INPROVED IN 1980/1981

Biaya konstruksi penanganan

jalan dan jembatan Kabupaten thn. 1980/1981

LINK NO Nomor	LOCATION From - To	Lebar per- kerasan(m)	Type per- kerasan	LENGTH Panjang	COSTS Harga	REMARKS Keterang-
Ruas	(dari - ke)	Lebar Jembatan	Type Lembatan	(KM)	(Rp 10 ⁶)	an
08	Adimulyo - Pekalongan	8	Beton	8 m	22.706	. :
59	Yosodadi - Banjarejo	8	Beton	18 m	46.477	
68	Metro - Mulyojati	8	Beton	16 m	43.149	
168	Proyek Pancasila	8	Beton	12 m	25.400	
18	Untoro-Wates	3,5	Lapen	2.950	30.389	
24	Simp.Gn.Mekar-Kemuning	3,5	Macadam	3.5	39.989	
122	Dalam Kota Metro	3,5	Lapen	8.5	18.200	
07-26- 128	Dlm.Wil.Kec.Bangunrejo	4	Grave1	18	74.205	
30-33- 29	Dlm.Wil.Kec.Metro	4	Grave1	19	.83.360	
35~36	Dlm.Wil.Kec.Metro	4	Gravel	17	76.260	
29-42- 43	Dlm Wil.Kec.Metro	4	Gravel	22.3	98.185	
44-08	Dlm.Wil.Kec.Metro	4	Gravel	14.9	65.605	
596-50- 49	Dlm.Wil.Kec.Pekalongan	4 .	Grave1	24.4	109:880	
51 - 40	Dlm.Wil.Kec.Pekalongan	4	Gravel	27.2	116,910	
436-45	Dlm.Wil.Kec.Pekalongan	4	Gravel	16.5	70.037	
147-179	Dlm.Wil.Kec.Pekalongan	4	Gravel	11.6	49.142	
47	Dlm.Wil.Kec.Pekalongan	4	Gravel	11	47.782	

 $^{^{\}star}$ PAVEMENT TYPE : Pls note the appropriate No. below.

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

ROADS CONSTRUCTED OR INPROVED IN 1980/1981

Biaya konstruksi penanganan

jalan dan jembatan Kabupaten thn. 1980/1981

LINK NO .: Nomor	LOCATION From - To	Lebar per- kerasau(m) Lebar	**************************************	LENGTH Panjang	COSTS 'Harga	REMARKS Keterang,
Ruas	(dari - ke)	Jembatan_ 4	Type Jembatan Gravel	(KM) 11,5	(Rp 10 ⁶) 48.600	an
48	Dlm.Wil.Kec.Pekalongan	•		,	10.000	
54	Sumberejo - Kt. Gajah	4	Gravel	2.5	10.537	
55	Totokaton-P.Gotong Royong	4	Grave1	7	29.819	
53	Ruktiharjo-Ramayana	4	Gravel .	7,5	31.830	
56-57	D1m.Wi1.Kec.Sep.Banyak	4	Grave1	23	99.235	
	· · · · · · · · · · · · · · · · · · ·					
						The second secon
:						
					:	

^{*} 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

ROADS CONSTRUCTED OR INPROVED IN 1981/1982

Biaya konstruksi penanganan

jalan dan jembatan Kabupaten thn. 1981/1982

						4, 1
LINK NO : Nomor	LOCATION From - To	Lebar per- kerasan(m)	/ 6 6	LENGTH Panjang	COSTS Harga	REMARKS Keterang;
Ruas	(dari - ke)	Lebar Jembatan	Type Jembatan	(KM)	(Rp 10 ⁶)	an
40 a	Punggur - Gn.Sugih	3,5	Macadam	3.9	57.889	
40 a	Punggur - Gn.Sugih	3,5	Lapen	4,5	59.980	
54	Pasar Kota Gajah	3,5	Macadam	1.4	23.669	
19	Purwosari - Pekalongan	3,5	Macadam	3.3	39.531	
136	Dlm.Kota Way.Jepara	3,5	Macadam	3	39.531	
168	Proyek Pancasila	3,5	Macadam	2.5	35.097	
12	Simbarwaringin-Untoro	3,5	Lapen	4	51.777	
12	Simbarwaringin-Untoro	3,5	Lapen	2.7	37.403	
21	Poncowati I - Poncowati Tunggal	3,5	Macadam	2.7	37.437	
21	Poncowati I - Poncowati Tunggal	3,5	Lapen	3	42.411	
63	Taman Sari-Ratna Daya	3,5	Lapen	3	38.966	
120	Lampuyang-Bandar Sakti	3,5	Lapen	3.86	54.976	
122	Dalam Kota Metro	3,5	Macadam	4,6	60.862	1
122	Dalam Kota Metro	3,5	Lapen	2,5	37.003	
68	Tejosari - Perumnas	3,5	Lapen	1.45	20.516	
59	Yosodadi - 15A Metro	3,5	Macadam	2.45	33.68	-
60	Probolinggo - Bungur	3,5	Macadam	5	54.255	

^{*} 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

ROADS CONSTRUCTED OR INFROVED IN 1981/1982

Biaya konstruksi penanganan

jalan dan jembatan Kabupaten thn. 1981/1982

				·	 	
LINK	LOCATION	Lebar per- kerasan(m)	Type per-	LENGTH	COSTS	REMARKS
NO : Nomor	From - To			Panjang	Harga	Keterang-
Ruas	(dari - ke)	Lebar Jembatan	Type Jembatan	(KM)	(Rp 10 ⁶)	an
169	Donomulyo-P.Sekampung	3,5	Macadam	3	40.737	
01	Kalirejo-Sindang Agung	3,5	Macadam	5	76.519	
24	Adirejo - Asahan	3,5	Macadam	4.5	60.375	
63	Tamansari-Ratna Daya	3,5	Lapen	2.7	36.469	
64	BanjarAgung-Uman Agung	3,5	Macadam	4	60.578	.:
103	Bandarjaya-Sulusuban	3,5	Macadam	1,25	34.842	
26	Sukanegara-Simbarwaringin	4,9	Beton	10	27.819	
30	Banjarsari-Pujodadi	4,5	Beton	13 m	26.443	
122	Way Areng-Sukadana	8	Beton	12 m	32.493	
179	Batanghari-Selorejo	6	Beton	8 m	22.760	
59	Jl.Batanghari Kp. 15 A	8	Beton	16 m	46.172	
01	Kalirejo-Kalidadi		Beton	8 m	22.818	
60	Tegal.Ombo-Tanjung Kesuma	8	Beton	8 m	39.048	
01	Kalirejo	6	Beton	16 m	43.144	
58	Bantul - Kibang	3,5	Macadam	l	18.014	
173	Jl.Way Tuba (Jabung)	3,5	Macadam	1	15.180	

^{*} 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

KABUPATEN, Lampung Tengah

LOCATION AND COSTS OF THE KABUPATEN

ROADS CONSTRUCTED OR INPROVED IN 1981/1982

Biaya konstruksi penanganan

jalan dan jembatan Kabupaten thn. 1981/1982

NO :	LOCATION From - To	Lebar per- kerasan(m)	Type per- kerasan	LENGTH Panjang	COSTS Harga	REMARKS
Nomor Ruas	(dari - ke)	Lebar Jembatan	Type Jembatan	(KM)	(Rp 10 ⁶)	Keterang- an
72	J1.Labuhan Ratu II (Way Jepara)	3,5	Macadam	2.1	27.524	
26	Sidomulyo-Karang Tanjung	4	Grave1	11.9	65.858	
119	Sukanegara-Tugul Mulyo	4.	Grave1	13.4	60.106	
119	Sukawaringin-Kr.Tani	4	Gravel	14.7	79.173	
169	Bumimas - Donomulyo	4	Grave1	10	43.118	
134	Purwosari-Rejo Basuki	4.5	Beton	7 m	15.178	
54	Sumberejo-Kayangan	4	Gravel	3.5	12.482	
16	Ramagunawan-Rejobinagun	4	Grave1	15	69.774	
46	Sidomulyo-Sritejo	4,5	Beton	8 m	24.431	
154	SMP Tagwa - Bandarjaya	4	Grave1	0,8	4.269	
		,	1		-	
						:

[&]quot; 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

ROADS CONSTRUCTED OR INPROVED IN 1982/1983

Biaya konstruksi penanganan

lalan dan jembatan Kabupaten thn. 1982/1983

LINK	LOCATION	Lebar per-	Type per-	LENGTH	COSTS	REHARKS
NO . Nomor	From - To	kerasan(m)		Panjang	Harga	Keterang-
Ruas	(dari - ke)	Lebar Jembatan	Type Jembatan	(KM)	(Rp 10 ⁶)	an
144	Rajabasa Baru - J.Sriwija		Macadam	4	57.116	
· 65	Jatidatar - Terb.Ilir	4.9	Beton	8 m	25.950	
22	Pekalongan - KBH XII	3,5	Lapen	4	56.512	
·	Kota Baru	4.9	Beton	20 m	53.827	
66	Ramagunawan-Rejo Binangun	4.9	Beton	6 m	23.968	
07	Bangun Rejo-Sidomulyo	4.9	Beton	8 m	21.287	
06	Bandarsari-Payungrejo	4.9	Beton	13 m	32.698	
55	Totokaton-Payung Rejo	8	Beton	12 m	30.443	
27	Tulung Jukung	6	Beton	8 m	25.292	
70	Poncowati-Mujirahayu	8	Beton	12 m	35.278	
25	Sekampung-Negrikaton	8	Beton	12 m	39.690	
45	Wonosari-Sritejokencono	4.9	Beton	18_m	39.795	
08	Hadimulyo-Karangrejo	4,9	Beton	14 m	41.542	
84	Sidobinangun-Sribusana	4,9	Beton	7 m	25.348	
145	Probolinggo-Tambah Luhur	3,5	Macadam	5 m	59.981	
73	Labuhanratu II-Bandarsari	3,5	Macadam	3 m	36.491	

[&]quot; 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

KABUPATEN: Lampung Tengah

LOCATION AND COSTS OF THE KABUPATEN

ROADS CONSTRUCTED OR INPROVED IN 1982/1983

Biaya konstruksi penanganan

jalan dan jembatan Kabupaten thn. 1982/1983

NO :	LOCATION From - To	Lebar per- kerasan(m)	Type per- kerasan	LENGTH Panjang	COSTS Harga	REMARKS
Nomor Ruas	(dari - ke)	Lebar	Type			Keterang,
	(datt res)	Jembatan	Jembatan	(KM)	(Rp 10 ⁶)	an
122	Dalam Kota Metro	3,5	Macadam	4.083	60.402	And the state of t
122	Dalam Kota Metro	3,5	Lapen	4.221	59.698	
19	Hadimulyo-Purwosari	3,5	Lapen	3.5	49.580	
15 A	Pasar Bandar Jaya	3,5	Lapen	7.517	70.042	
99	Merandungsari-Saputra Aji	3,5	Macadam	4	53.713	
07	Bangunrejo-Sidomulyo	3,5	Macadam	2	30.472	:
06	Bandarsari-Payungrejo	3,5	Macadam	4	66.207	
40	Ngestirahayu-Manggungan	3,5	Macadam	2.3	29.489	
60	Probolinggo-Bunggur	3,5	Macadam	4	57.895	
112	Wy.Areng - M.Marga	3,5	Macadam	4	49.029	
103	Sulusuban-Bandarjaya	3,5	Macadam	15	63.098	
157	Poncowati-Mujirahayu	3,5	Macadam	4.3	53.520	
156	Jembatan Serong-Donomulyo	3,5	Lapen	4	56.069	:
65	Jatidatar-Terb.Ilir	3,5	Macadam	3	46.531	
159	Dalam Kota Sep.Raman	3,5	Macadam	3	44.078	
133	Sriminosari~Penet	3,5	Macadam	5.	68.792	
25	Sekampung-Negrikaton	3,5	Macadam	5	59.414	

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

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

ROADS CONSTRUCTED OR INPROVED IN 1982/1983

Biaya konstruksi penanganan

jalan dan jembatan Kabupaten thm. 1982/1983

LINK NO .	LOCATION	Lebar per- kerasan(m)	Type per-	LENGTH Panjang	COSTS Harga	REMARKS
Nomor Ruas	From - To (dari - ke)	Lebar Jembatan	Type Jembatan	(KM)	(Rp 10 ⁶)	Keterang, an
24	Adirejo-Mumbang Jaya	3,5	Macadam	0,500	4.405	
173	Punggung Raharjo	3,5	Macadam	1.1	16.068	
147	Batanghari-Nampirejo	4,9	Beton	10 m	12.3	
122	Dalam Kota Metro		Lapen		14.380	
76	Taman Bogo-Nambahdadi	3,5	Macadam	5.3	48.208	
76	Taman Bogo-Tamanendah	4,5	Beton	7 m	20.685	
120	Bandarsakti-Transad	4,5	Beton	12 m	20.797	
122	Dalam Kota Metro	3,5	Macadam	0.702	8.709	_
96	Sumberejo-Pagarwojo.	4	Gravel	1.0	80.680	
52	Gantiwarno-Sukaraja	4	Gravel	12	79.349	
187	Surabaya-Bandarsari	4	Grave1	4	45.000	
06	Bandarsari-Payung batu	4	Gravel	5	27.159	
99	Merandungsari-Saputraji	4	Gravel	11	39.059	
27	Jayasakti-Tuluk Jukung	4	Grave1	7	57.639	
78	Ramanirwana-Buyut Baru	4	Gravel	4	25	

 $[\]dot{\boldsymbol{w}}$ 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

ROADS CONSTRUCTED OR INPROVED IN 1983/1984

Blaya konstruksi penanganan

jalan dan jembatan Kabupaten thn. 1983/1984

LINK NO Nomor	LOCATION From - To	Lebar per- kerasan(m)	Type per- kerasan	LENCTH Panjang	COSTS Harga	REMARKS
Ruas	(dari - ke)	Lebar Lembatan	Type Jembaran	(10H)	(Rp 10 ⁶)	Keterang; an
68	Tejosari-Mulyojati	4,5	Macadam	2.9	54.990	
135	Dlm.Kota.Kec.Sekampung	3,5	Lapen	2	37.078	
185	Lab.Ratu-Batu Culo	3,5	Macadam	3	40.013	
70	Rejo Binangun	4,5	Beton	10 m	27.503	
159	Dlm Kota Kec.S.Raman	3,5	Macadam	3.5	45.867	
160	Dlm.Kota.Kec.Rm.Utara	3,5	Macadam	2	27.030	
161	Raman Aji-Rukti Sedia	3,5	Macadam	5.5	63.453	
84	Taman Fajar-Rejokaton	4,5	Beton	17 m.	36.441	
19	Purwosari~Gantiwarno	3,5	Lapen	4	61.200	
84	Sep.Banyak-R.M.Utara	4,9	Beton	12 m	32.208	A.19. P. Marie Land A. Landson C.
78	R.M.Nirwana-Buyut Baru	4,9	Beton	7 m	19.865	
119	Kota Baru-Karang Tanjung	4.9	Beton	30 m	64.630	
27	Tulung Jurug-Jayasakti	4,5	Beton	10 m	29.630	
119	Sukanegara-Tugumulyo	4,9	Beton	6 m	24.600	·
07	Sidorukun-Sidomulyo	4,9	Beton	7 m	24.898	
69	Banjar Agung-Uman Agung	4,9	Beton	. 7 m	47.941	
55	Tl.Itik-Gotong Royong	4,9	Beton	13 m	30.890	

^{*} 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

ROADS CONSTRUCTED OR INPROVED IN 1983/1984

Biaya konstruksi penanganan

jalan dan jembatan Kabupaten thm. 1983/1984

LINK NO	LOCATION	Lebar per- kerasan(m)	Type per- kerasan	LENGTH	costs	REMARKS
Nomor Ruas	From - To (dari - ke)	Lebar Jembatan	Type Jembatan	Panjang (KM)	Harga (Rp 10 ⁶)	Keterang; an
40	Tulung Itik-Manggungan	4,9	Beton	13 m	28.843	
179	Bumi Mas-Marga Jaya	4,9	Beton	7 m	26.424	
18	Hadimulyo-Makam Pahlawan	3,5	Lapen	2.659	6.425	
40 a	Punggur-Majapahit	3,5	Lapen	2.4	59.160	
89	Braja Indah-Braja Arjosari	3,5	Macadam	6.5	83.5	
07	Trisno Agung-K.Tanjung	4	Gravel	8	98.237	
07	Wy.Ilian Balak	4,9	Kayu	6 m	10.670	
88	Taman Bogo-Muara jaya	4 .	Gravel	7	46.309	
70	Sumber Baru-Rejobinangun	4	Grave1	20	109.717	
80	Wy.Tl.Braja dan Wy.Muara Jaya	4.9	Kayu	20. m	27.940	
71	Wana-Batu Badak	4	Gravel	15	95.367	
143	Kibang-Purba Sembada	4	Gravel	2	15.496	
96	Saptomulyo-Pagerwojo	4 .	Grave1	0.800	6.950	
·						
·	·					
				-		

[&]quot; PAVENENT TYPE : Pls note the appropriate No. below.

- 1. : Asphalt surface / penetrasi macadam
- 2. : Asphalt seal / pelaburan aspal
- kerikil . 3. | Cravel
- 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

NO LINK	LOCATION From - To	Lebar per- kerasan(m)	Type per- kerasan	LENGTH Panjang	COSTS Harga	REMARKS
Nomor Ruas	(dari - ke)	Lebar Lembatan	Type Jembatan	(KM)	(Rp 10 ⁶)	Keterang- an
122	Dalam Kota Metro	3 -3,5	Lapen .	3.5	53.555	
182	Girikarto-Margomulyo	.3,5	3,5 Macadam		63.580	
73	Rejosari-Lab.Ratu Lama	3,5	Macadam	5	54.795	<u> </u>
60	Totomulyo-Tanjung Intan	3,5	Macadam	3.1	43.669	
22	Pekalongan-KBH XIII	3,5	Lapen	5.6	83.883	
116	Sukadana - Susukan Baru	3,5	Macadam	. 5	52.451	
183	Bojong - TJ. Harapan	3,5	Macadam	4	44.309	
102	Retno Basuki-Rejokaton	3,5	Macadam	6,5	76.068	
84	Taman Fajar-Rejokaton	3,5	Macadam	4	47.420	
184	Mataram Marga-B.Sulak	3,5	Macadam	4.15	52.814	A APPROXIMENT TO THE PROPERTY OF THE PROPERTY AND APPROXIMENT OF THE PROPERTY APPROXIMENT APPROXIM
155	Sep.Banyak-R.Utara	3,5	Macadam	6	88.101	
40	Ngesturahayu-GT.Royong	3,5	Macadam	3.64	41.648	
69	Jati Datar - Darma Agung	3,5	Macadam	5	74.720	
156	Donomulyo-Nyampir	3,5	Lapen	4	60.650	
68	Tejosari-Mulyojati	10	Beton	10 m	43.055	
103	Bumi Kencana-Simp.Agung	3,5	Lapen	5	80.750	•
122	Dalam Kota Metro	3,5	Macadam	5.148	65.766	

^{*} 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

ROADS CONSTRUCTED OR INPROVED IN 1984/1985

Biaya konstruksi penanganan

jalan dan jembatan Kabupaten thn. 1984/1985

LINK	LOCATION	Lebar per-	Type per-	LENGTH	costs	REMARKS
ИО	From - To	kerasan(m)	kerasan	Panjang	llarga	Keterang-
Nomor Ruas	(dari - ke)	Lebar	Type	(KM)	(Rp 10 ⁶)	an
· · · · · · · · · · · · · · · · · · ·	Lingkar Master Plant	Jembatan 3,5	Jembatan Macadam	6.343	87.549	**************************************
122		3,5	Hacacan			
	Kota Metro					
122	Ganjar Agung-Purwodadi	4,9	Beton ber- tulang	7 m	20.044	
123	Sidorejo-Margomulyo	3,5	Macadam	4.6	63,604	
	4.1 To 1.1	3,5	Lapen	5.105	79.771	
41	Kalibenino-Pekalongan					* .
123	Sumbersari-Way Areng	4,9	Beton ber-	7 m	23.805	
		3,5	Macadam	6	81.333	
166	Rajabasa Lama-Way Kambas	3,3	riacacam			
103	Dono Arum-Sulusuban	3,5	'Lapen	5.5	90.580	
101	Setiabudi-Rejo katon	3,5	Macadam	5.425	66.698	
56	Srikencono-Bumi Nabung	4,9	Beton	7 m	20.081	<u> </u>
122	Dalam Kota Metro	3,5	Lapen	5.149	80.543	
51	Sidodadi-Pekalongan	4,9	Beton	7 m	24.703	
103	Bumi Kencono-Fajar Asri	3,5	Lapen	5.5	87.510	
95	Trimulyo-Mataram Ilir	4,9	Beton	10	30.367	
59	Batangharjo-Balerejo	4,9	Beton	7 m	21.768	
58	Margototo-Margajaya	3,5	Macadam	5	73.920	
136	Dalam Kota Way Jepara	3,5	Lapen	3	48.779	
54	Sritejo-Punggur	4,9	Beton	10 m	31.556	

^{*} 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

ROADS CONSTRUCTED OR INPROVED IN 1984/1985

Biaya konstruksi penanganan

· jalan dan jembatan Kabupaten thn. 1984/1985

LINK NO Nomor	LOCATION From - To	Lebar per- kerasan(m)	Type per- kerasan	LENCTH Panjang	COSTS Harga	REMARKS
Ruas	(dari - ke)	Lebar Lembatan	Type Jembatan	(KM)	(Rp 10 ⁶)	Keterang, an
152	Mumbang Jaya-Asahan	3,5	Macadam	2.3	35.849	
60	Totoprojo-Tanjung Tirta	3,5	Macadam	5	70.099	
124	Banarjoyo-D1.Kt.Bt.Hari	3,5	Lapen	2,1	34.661	
106	Giriklopo Mulyo-Sidodadi	3,5	Macadam	3.605	52.630	
113	Margorejo-Sumber Sari	3,5	Macadam	3	36.540	-
128	Dalam Kota Bangunrejo	3,5	Macadam .	2.847	48.780	
54	Way.Buring-Kayangan	4,9	Beton	8 m	29.117	
25	Girikarto-Negrikaton	3,5	Macadam	3.5	51.120	
07	Bangunrejo-Sumberejo	4,9	Beton	7 m	31.758	
09	Jurusan Pujoasri	4,9	Beton	7 m	25.747	
61	Ganjar Agung-Mulyojati	4,9	Beton	10 m	32.855	
152	Sp.Kemuning-Numbang Jaya	3,5	Lapen	5.5	89.774	
	Sulusuban-Pabrik Ethanol	3,5	Lapen	0.5	10.000	
154	Komplek terminal BD.Jaya Macadam sampai penetrasi	17	Lapen	0.56	51.750	
156	Way Areng-Nyampir	3,5	Lapen	1.3	23.000	
113	Margorejo-Sumber Sari	4,9	Beton	7 m	22.443	
122	Jalan Palapa Metro	3,5	Lapen	0.57	10.000	

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

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

ROADS CONSTRUCTED OR INPROVED IN 1984/1985

Biaya konstruksi penanganan

ialan dan jembatan Kabupaten thm. 1984/1985

LINK NO	LOCATION From - To	Lebar per- kerasan(m)		LENGTH Panjang	COSTS Harga	REMARKS Keterang-
Nomor Ruas	(dari - ke)	Lebar Lembatan	Type Jembatan Macadam	(KM)	(Rp 10 ⁶)	an Kecerang-
162	Komplek Pasar PB.Linggo	3,5	racadam	1.4	20.000	
171	Sulusuban-Gedongsari	4	Gravel	18	133.056	
75	Mandalasari-Tl.Pasik	4	Gravel	5	42.730	
81	Poncowarno-Sribasuki	4	Gravel	4.3	55.697	
92	Sukajawa-Rengas	4	Gravel	8	69.851	
71	Wana-Mojopahit	4	Gravel	5	43.127	
149	Labuhan-Kuala	4	Gravel	1.5	15.648	
27	Kr.Tanjung-Tl.Jukung	4,9	Beton	5 m	14.408	
52	Gantiwarno-Kedaton	8	Beton	2 m	3.695	
27	Jayasakti-Tl.Jukung	8	Beton	2 m	3.365	
•	Dlm.Wil.Kab.Lampung Tenga	3,5 h	Macadam/Lapen	280.99		
•	Dlm.Jalan Kabupaten	4,9	Beton	87 m	92.586	
						7.
		·		-		

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

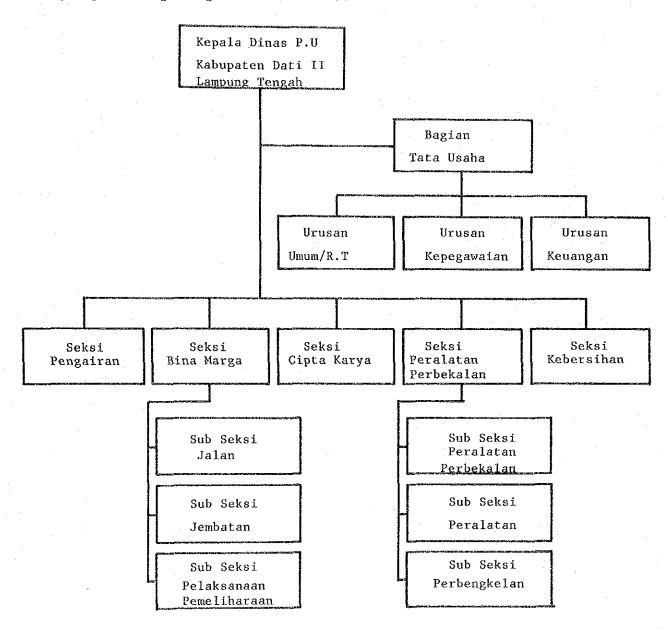
- 1..: Asphalt surface / penetrasi macadam
- 2. : Asphalt seal / pelaburan aspal
- 3. : Gravel / kerikil
- 4. : Gravel /AWCAS / kerikil / japat

KABUPATEN: Lampung Tengah

EXISTING ORGANIZATION IN KABUPATEN

Structur Organisasi yang ada dari P.U Kabupaten

Please draw the Cart of the Existing Organization in the Kabupaten. Harap digambar bagan organisasi dari DPUK.



EXISTING STAFF RESOURCES OF BINA MARGA OF PU KABUPATEN

Tenaga Dinas PUK yang ada

PROPINSI: Lampung

KABUPATEN: Lampung Tengah

DESCRIPTION /Uraian	NUMBER / Jumlah	RENARKS Keterangan
CONTROLING STAFF Staff teknis PUK	25	10
DPUK ENGINEED Sarjana Teknik		
ASSISTANT ENGINEER Sarjana Muda Teknik		
TECHNICIAN STAFF Staff Teknik (STM)	25	10
ADMINISTRATION Tenaga Administrasi	20	
SUPERVISOR Tenaga Pengawas	35	15
. NORKING FORCE Tenaga Pelaksana Lapangan		
OPERATORS Operators	12	5 :
DRIVERS Supir	7	3
MECHANICS Mechanic	5	2
TRADESMAN Tukang	5	
L A B O U R Buruh / Pekerja	50	
OTHERS Lain-lain		
TOTAL / JUMLAN	79	10

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

Lokasi Workshop DPUK

PROPINSI : Lampung

KABUPATEN: Lampung Tengah

LOCATION Lokasi	AREA (m2) Luas	NUMBER Jumlah	REMARKS Keterangan
Metro	12.250	1	AND THE RESIDENCE OF THE PROPERTY OF THE PROPE

PROPINSI: Lampung

KABUPATEN: Lampung Tengah

E-07

LAND ACQUISITION COST Daftar harga pembebasan tanah

DESCRIPTION Uraian	UNIT Satuan	RATE (RP) Harga	REMARKS Keterangan
CITY/kota	M2	15.000	
VILLAGE / desa	M2	10.000	
RICE FIELD/sawah	M2	7.500	
DRY FIELD/ladang	M2	6.000	
MIX CROPS/panen	M2	5.000	
FOREST/hutan	M2	3.000	
SWAMP / rawa	M2	2.500	
OTHERS / lain-lain	M2	2.000	

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	
14	В2	622.368.428	29		
62	C1	148.178.032	25		
87	C2	79.737.753	17	······································	
		·			
				:	
				and the state of t	
		:			

NOTE: DATI II

KABUPATEN: Lampung Tengah

LIST UF EXISTING EQUIPMENT OF LOCAL CONTRACTOR

Name of contractor

NAME OF EQUIPMENT EXISTING CONDITION/ Kondisi Peralatan							REQUIRE -	
Jenis peralatan	TYPE/	Thvi		ER / Ju	mlah	REASON OF BAD CONDT		
	Tipe	P.Y	GOOD BAD		TOTAL	TION/Sebal Kerusakan		
Bulldozer							5°	
Motor Grader			,					
Tyre Roller	· .			-				
Steel Whell Roller								
Vibration Roller				-				
Wheel Loader								
Front End Loader and Backhoe			†	-				
Mobile Crane								
Concrete Mixer								
Stone Crusher				-				
Portable Compressor			-	\ <u>\</u>				
Hydraulic Excavator					**************************************			
Asphalt Paving Machine		-						
Asphalt Sprayer				 			. 1	
Asphalt Mixing Machine	~							
Mobile Workshop	•							
Mechanic Rammer								
Plate Tamper	Kubota	1981	BK		20			
Pile Driver								
Leg Drill								
Hand Hammer	Eyer	1980	BK	-	258		\	
Farm Tractor								
Dump Truck	Toyota	1981	BK.	-	58		:	
Water Tank Truck								
Fuel Tank Truck								
Pick Up	Kijang	1981	BK		22			
Jeep	Toyota	1982	BK		19			
Notorcycle	Honda	1981	BK	1	48			
Generator	Yamar	1981	BK		9			
Water Pump	Kubota	1981	BK		23			
Others				· .				

LIST OF EXISTING EQUIPMENT OF P.U KABUPATEN

NAME OF EQUIPMENT	EXISTIN	G COND	ITION	/ Kondi	si Pera	latan	REQUIRE -	
Jenis peralatan	TYPE/	P.Y	NUMBER / Jumlah			REASON OF	MENT / Ke- butuhan peralatan	
	Tipe		GOOD Baik	BAD Rusak	TOTAL Jumlah	rion/Seba Kerusakan	baru	
Bulldozer	MQ.3N	1980	вк		1			
Motor Grader	Sakai	1980	ВК		1			
Tyre Roller	Barito	1983/	ВК		6			
Steel Whell Roller	Marshal	1974/	ВK		7			
Vibration Roller	Kobe.LK 300	1980	вк		1			
Wheel Loader								
Front End Loader and Backhoe	Barata	1980	ВК		4			
Mobile Crane								
Concrete Mixer								
Stone Crusher								
Portable Compressor								
Hydraulic Excavator								
Asphalt Paving Machine								
Asphalt Sprayer								
Asphalt Mixing Machine								
Mobile Workshop								
Mechanic Rammer								
Plate Tamper	Barito	1982	ВК		4			
Pile Driver								
Leg Drill								
Hand Hammer								
Farm Tractor								
Dump Truck	DL-V.22	1980	BK		3			
Water Tank Truck		1.						
Fuel Tank Truck	Colt	1980	ВК		1			
Pick Up								
Jeep								
Motorcycle								
Generator				_				
Water Pump						_		
Others					:	_		
				:		<u> </u>		

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

PROV : LAMPUNG KAB : LAMPUNG TENGAH

LINK NO : 30 (1118-2) LENGTH : 7 Km

UPGRADE: 9.5m road bed, 4.0m road with surface Base Cource

I I E H			- (((HN1)	COST >>>	((((COST	>>>>>
	UNIT	QUANTITY	LOCAL	FOREIGN	LOCAL	FOREIGN	TOTAL
·							
lite Clearance in Light Bush	62	0.0	144	90	0	0	
lubgrade Preparation	m 2	0.0	19	11	Ů	. 0	
ormal fill	m3	0.0	1,484	859	Ò	Ô	:
ill in Swamp :	. a3	0.0	2,200	1,047	. 0	Ů.	
formal Excavation to Spoil	n 3	0.0	873	520	. 0	0	11
lub Rase Course	ξa	1184.0	2,813	1,340	3,330,592	1,586,560	4,917,15
ase Course	a3	1680.0	3,861	2,290	6,486,480	3,847,200	10,333,68
houlder	m2	38500.0	256	145	9,856,000	5,582,500	15,438,50
sphalt Patching	a 2	0.0	3,079	1,371	0	0	191190190
urface Dressing (Single)	n2	0.0	. 601	595	0.	. 0	
urface Dressing (Double)	a2	0.0	740	935	ň	. 0	
arth Drain	*	0.0	721	110	0	.0	
arth Drain in Swamp (by machine)	a3	0.0	1,039	472	0	0	
ipe Culvert 080cm	e.	0.0	39,324	49,854	0	0	
asonry Culvert (80x80cm)	6	24.0	51,373	39,938	1,232,952	934,512	2 552 10
etaining Hall and Hing Hall (Timber)	a2	0.0	11,313	245	0	131,312	2,167,40
etaining Wall and Wing Wall (Masonry)	a3	34.4	36,883	11,442	1,268,775	393,604	
abion Protection	m3	0.0	24,704	11,112	0	373,004 (I	1,662,3
lew Bridge (limber)	SET	1.0	211101		0	0	
en Bridge (Concrete)	132	1.0			0	0	
· · · · · · · · · · · · · · · · · · ·	JUI	1.0			v	V	
			Sub Total		22,174,799	12,344,376	34,513,17
verhead (15%)					3,326,219	1,851,656	5,177,87
			TOTAL COST		25,501,018	14,196,032	37,697,05
land anti-			111 110	7 971	817 150	PA 255	A17 1
anual routine maintenance of road	Ka V.	7.0	116,160	7,234	813,120	50,652	863,7
outine maintenance of gravel road	Ka	7.0	168,711	87,777	1,100,977	614,439	1,795,4
sintegrand of lights Deider (New)	_2	. 0. 0	Sub Total	1 134	1,994,097 0	665,091	2,659,11
aintenance of Timber Bridge (New)	e2	0.0	7,257	1,120	•	0	
aintenance of Concrete Bridge (New) aintenance of Timber Bridge (Exist)	#2 #2	0.0 0.0	1,676	2,866	0 0	Ú	
aintenance of Concrete Bridge (Exist)	n2 52	59.8	6,957 3,664	2,400 2,413	215,443	0 141,904	357,37
stucenance or courtets or tode restect	91	J0.0	J,009		£13,433	111,001	311,31
			Earthwork &	Pavegent Un	it Cost (Rp/K	(n) ;	5,671,00
•					it Cost (Rp/m		-,0,0.
				-	it Cost (Rp/e		
				Value	(Rp		2,458,57
				Rate without	,		6.7
			New Bridge		(X)		4,7

PROV : LAMPUNG KAB : LAMPUNG TENGAH

LINK NO : 29 (IIID-1) LENGTH : 6 Km

UPBRADE : 8.0m road bed, 4.0m road with surface Dressing (1)

Will CHARTITY LOCAL FOREIGN LOCAL FOREIGN 101						~~~~~~		(Rp)
Subgrade Preparation	ITEH	UNIT	QUANTITY					>>>>> TOTAL
Subgrade Preparation	,		ing mill yan lay has gan may may has gan					
Subgrade Preparation	Site Clasrance in Light Ruch	•2	0.0	144	Qn.		n	
Norman Fill	*					. 0	0 -	(
Fill in Shaap Morsal Excavation to Spoil m3						Ô	. 0	
Morsal Excavation to Spoil						,	V	
Sub Rase Course a3 1014.0 2,813 1,340 2,852,382 1,358,760 4,211, Rase Course a3 1600.0 3,861 2,790 6,486,480 3,847,200 10,333, Roulder a2 24000.0 256 145 6,144,000 3,480,000 9,624, Rashalt Patching a2 0,0 3,079 1,371 0 0 0 Surface Dressing (Single) a2 0,0 740 935 0 0 0 Earth Drain in Swamp (by machine) a3 0.0 721 118 0 0 0 Earth Drain in Swamp (by machine) a3 0.0 1,039 472 0 0 0 Earth Drain in Swamp (by machine) a3 0.0 1,039 472 0 0 0 Earth Drain in Swamp (by machine) a3 0.0 1,039 472 0 0 0 Earth Drain in Swamp (by machine) a3 0.0 1,139 472 0 0 0 Earth Drain in Swamp (by machine) a3 0.0 1,139 472 0 0 0 Earth Drain in Swamp (by machine) a3 0.0 1,139 472 0 0 0 Earth Drain in Swamp (by machine) a3 0.0 24,904 120 0 0 Eath Drain in Swamp (by machine) Eath Drain in Swamp (by machine) Babion Protection a3 0.0 24,904 120 0 0 Eath Drain in Swamp (by machine) Babion Protection Ba 0.0 31,373 39,738 0 0 0 Retaining Mall and Ming Mall (Hissorry) Babion Protection Ba 0.0 24,904 120 0 0 Eath Drain in Swamp (by machine) Babion Protection Ba 0.0 31,373 39,738 0 0 0 Retaining Mall and Ming Mall (Hissorry) Babion Protection Ba 0.0 36,883 11,442 553,245 171,650 724,100 0 Eath Drain in Swamp (by machine) Eath Drain in Swamp (by machine)					•	۷	0	
Base Course ### 2 24000.0					the second secon	ע אבט איני) 750 710	2 711 14
Shoulder				•				
Asphalt Patching			-					
Surface Dressing (Single)					and the second second		3,480,000	9,624,00
Surface Bressing (Bouble) ## # # # # # # # # # # # # # # # # #							0	
Earth Drain						14,424,000	14,280,000	20,704,00
Earth Drain in Swamp (by machine)	Surface Dressing (Double)	# 2	0.0	740	935	. 0	0	j
Pipe Culvert DBOCs Sasonry Culvert (BOxBOcs) S	Earth Drain	A	0.0	721	118	0	0	
Masonry Culvert (80x80cm) m 0.0 51,373 30,938 0 0	Earth Drain in Swamp (by machine)	· a3	0.0	1,039	472	0	0	
Responsy Culvert (80x80cm) # 0.0 \$1,373 \$39,738 0 0 0	Pipe Culvert D80cs	2	0.0	39,324	48,854	0	0	
Retaining Mail and Wing Wall (Timber) m2 0.0 11,313 745 0 0 Retaining Mail and Ming Wall (Hasonry) m3 15.0 36,883 11,442 553,245 171,630 724,636ion Protection m3 0.0 24,704 120 0 0 0 New Bridge (Timber) SET 1.0 0 0 0 New Bridge (Concrete) SET 1.0		f#	0.0			0	. 0	
Retaining Nail and Ming Nail (Masonry) a3 15.0 36,883 11,442 553,245 171,630 724,66bion Protection a3 0.0 24,704 120 0 0 0 New Bridge (Lieber) SET 1.0 0 0 0 New Bridge (Concrete) SET 1.0 0 0 0 Sub Total 30,460,107 23,137,570 53,577, Overhead (15%) TOTAL COST 35,029,123 26,608,228 61,637, Hanual routine maintenance of road Ka 6.0 116,160 7,236 696,760 43,416 740, Routine maintenance of asphalt road Ka 6.0 307,700 137,100 1,847,400 822,600 2,670, Sub Total 2,544,360 866,016 3,410, Haintenance of Concrete Bridge (New) #2 0.0 7,257 1,120 0 0 0 Haintenance of Concrete Bridge (Rex) #2 0.0 1,676 2,866 0 0 0 Haintenance of Timber Bridge (Exist) #2 0.0 6,757 2,400 0 0 Maintenance of Concrete Bridge (Exist) #2 39.2 3,664 2,413 143,628 94,589 238, Earthwork & Pavement Unit Cost (Rp/Km) : 10,272, Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Survived Value (Rp) : 5,014, Haintenance Rate without Bridge (X) : 5	· · · · · · · · · · · · · · · · · · ·	m2			•	0	0	
Gabion Protection m3 0.0 24,704 120 0 0 New Bridge (Lisber) SET 1.0 0 0 New Bridge (Concrete) SET 1.0 0 0 Sub Total 30,460,107 23,137,590 53,597, Overhead t 15%) 4,569,016 3,470,638 8,039, Hanual routine maintenance of road Km 6.0 116,160 7,236 696,960 43,416 740, Routine maintenance of asphalt road Km 6.0 307,900 137,100 1,847,400 922,600 2,670, Sub Total 2,544,350 866,016 3,410, Haintenance of Timber Bridge (Mew) m2 0.0 7,257 1,120 0 0 Haintenance of Timber Bridge (Mew) m2 0.0 1,676 2,866 0 0 Haintenance of Timber Bridge (Exist) m2 39.2 3,864 2,413 143,628 <t< td=""><td></td><td></td><td></td><td></td><td></td><td>553,245</td><td>171.630</td><td>724.87</td></t<>						553,245	171.630	724.87
New Bridge (Timber) New Bridge (Concrete) SET 1.0 0 0 Sub Total 30,460,107 23,137,590 53,597, Overhead (15%) A,569,016 3,470,638 8,039, TUTAL COST 35,029,123 26,608,228 61,637, Hanual routine maintenance of road Km 6.0 116,160 7,236 696,960 43,416 740, Routine maintenance of asphalt road Km 6.0 307,900 137,100 1,847,400 827,600 2,670, Sub Total 2,544,360 866,016 3,410, Haintenance of Timber Bridge (New) m2 0.0 7,257 1,120 0 0 Maintenance of Timber Bridge (Exist) m2 0.0 6,957 2,400 0 0 Maintenance of Concrete Bridge (Exist) m2 39.2 3,664 2,413 143,628 94,589 238, Earthwork & Pavement Unit Cost (Rp/Km) : 10,272, Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Survived Value (Rp) : 5,014, Haintenance Rate mithout Bridge (X) : 5					•		0	
SET 1.0 0 0				•		Ů	. 0	•
Sub Total 30,460,107 23,137,590 53,597, Overhead (15%) 4,569,016 3,470,638 8,039, TOTAL COST 35,029,123 26,608,228 61,837, Hanual routine maintenance of road Km 6.0 116,160 7,236 696,960 43,416 740, Routine maintenance of asphalt road Km 6.0 307,900 137,100 1,847,400 822,600 2,670, Sub Total 2,544,360 866,016 3,410, Haintenance of Tinber Bridge (New) m2 0.0 7,257 1,120 0 0 Haintenance of Tinber Bridge (New) m2 0.0 1,676 2,866 0 0 Haintenance of Tinber Bridge (Exist) m2 0.0 6,957 2,400 0 0 Maintenance of Concrete Bridge (Exist) m2 39.2 3,664 2,413 143,628 94,589 238, Earthwork & Pavement Unit Cost (Rp/Km) : 10,272, Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Survived Value (Rp) : 5,014, Haintenance Rate without Bridge (X) : 5						. 0	ů	
Overhead (15%) 4,569,016 3,470,638 8,039, TOTAL COST 35,029,123 26,608,228 61,637, Hanual routine maintenance of road Km 6.0 116,160 7,236 696,960 43,416 740, Routine maintenance of asphalt road Km 6.0 307,900 137,100 1,847,400 822,600 2,670, Sub Total 2,544,360 866,016 3,410, Haintenance of Timber Bridge (New) m2 0.0 7,257 1,120 0 0 Haintenance of Timber Bridge (Exist) m2 0.0 6,557 2,400 0 0 Haintenance of Concrete Bridge (Exist) m2 0.0 6,557 2,400 0 0 Haintenance of Concrete Bridge (Exist) m2 39.2 3,664 2,413 143,628 94,589 238, Earthwork & Pavement Unit Cost (Rp/Km) : 10,272, Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Survived Value (Rp) : 5,014, Haintenance Rate without Bridge (X) : 5	nem bilage (buntretei	ac1				· · · · · · · ·		
TOTAL COST 35,029,123 26,608,228 61,637,				Sub Total		30,460,107	23,137,590	53,597,69
Hanual routine maintenance of road Km 6.0 [16,160 7,236 696,960 43,416 740, Routine maintenance of asphalt road Km 6.0 307,900 137,100 1,847,400 827,600 2,670, Sub Total 2,544,360 866,016 3,410, Haintenance of Timber Bridge (New) m2 0.0 7,257 1,120 0 0 Maintenance of Concrete Bridge (New) m2 0.0 1,676 2,866 0 0 Maintenance of Timber Bridge (Exist) m2 0.0 6,957 2,400 0 0 Maintenance of Concrete Bridge (Exist) m2 39.2 3,664 2,413 143,628 94,589 238, Timber Bridge Unit Cost (Rp/Km) : 10,272, Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Survived Value (Rp) : 5,014, Haintenance Rate without Bridge (X) : 5	Overhead (15%)					4,569,016	3,470,638	0,039,65
Hanual routine maintenance of road Km 6.0 [16,160 7,236 696,960 43,416 740, Routine maintenance of asphalt road Km 6.0 307,900 137,100 1,847,400 827,600 2,670, Sub Total 2,544,360 866,016 3,410, Haintenance of Timber Bridge (New) m2 0.0 7,257 1,120 0 0 Maintenance of Concrete Bridge (New) m2 0.0 1,676 2,866 0 0 Maintenance of Timber Bridge (Exist) m2 0.0 6,957 2,400 0 0 Maintenance of Concrete Bridge (Exist) m2 39.2 3,664 2,413 143,628 94,589 238, Timber Bridge Unit Cost (Rp/Km) : 10,272, Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Survived Value (Rp) : 5,014, Haintenance Rate without Bridge (X) : 5				TOON TATEST		35.029.123	24.408.228	61.637.35
Routine maintenance of asphalt road Ke 6.0 307,900 137,100 1,847,400 822,600 2,670, Sub Iotal 2,544,360 866,016 3,410, Haintenance of Timber Bridge (New) #2 0.0 7,257 1,120 0 0 Haintenance of Concrete Bridge (New) #2 0.0 1,676 2,866 0 0 Haintenance of Timber Bridge (Exist) #2 0.0 6,957 2,400 0 0 Haintenance of Concrete Bridge (Exist) #2 39.2 3,664 2,413 143,628 94,589 238, Earthwork & Pavement Unit Cost (Rp/Km) : 10,272, Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Survived Value (Rp) : 5,014, Haintenance Rate without Bridge (X) : 5				1011110 0007		0010271120	1010101210	01 007 01
Routine maintenance of asphalt road Ke 6.0 307,900 137,100 1,847,400 822,600 2,670, Sub Total 2,544,360 866,016 3,410, Haintenance of Timber Bridge (New) #2 0.0 7,257 1,120 0 0 Haintenance of Concrete Bridge (New) #2 0.0 1,676 2,866 0 0 Haintenance of Timber Bridge (Exist) #2 0.0 6,957 2,400 0 0 Haintenance of Concrete Bridge (Exist) #2 39.2 3,664 2,413 143,628 94,589 238, Earthwork & Pavement Unit Cost (Rp/Km) : 10,272, Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Survived Value (Rp) : 5,014, Haintenance Rate without Bridge (X) : 5								****
Routine maintenance of asphalt road Ke 6.0 307,900 137,100 1,847,400 822,600 2,670, Sub Iotal 2,544,360 866,016 3,410, Haintenance of Timber Bridge (New) #2 0.0 7,257 1,120 0 0 Haintenance of Concrete Bridge (New) #2 0.0 1,676 2,866 0 0 Haintenance of Timber Bridge (Exist) #2 0.0 6,957 2,400 0 0 Haintenance of Concrete Bridge (Exist) #2 39.2 3,664 2,413 143,628 94,589 238, Earthwork & Pavement Unit Cost (Rp/Km) : 10,272, Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Survived Value (Rp) : 5,014, Haintenance Rate without Bridge (X) : 5	Manual routine maintenance of road	Ke	6.0	116.160	7,236	696,960	43,416	740,37
Sub Total 2,544,360 866,016 3,410, Haintenance of Timber Bridge (New) #2 0.0 7,257 1,120 0 0 Haintenance of Concrete Bridge (New) #2 0.0 1,676 2,866 0 0 Haintenance of Timber Bridge (Exist) #2 0.0 6,957 2,400 0 0 Haintenance of Concrete Bridge (Exist) #2 39.2 3,664 2,413 143,628 94,589 238, Earthwork & Pavement Unit Cost (Rp/Km) : 10,272, Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Survived Value (Rp) : 5,014, Haintenance Rate without Bridge (X) : 5		Ke.						2,670,00
Haintenance of Timber Bridge (New) #2 0.0 7,257 1,120 0 0 Haintenance of Concrete Bridge (New) #2 0.0 1,676 2,866 0 0 Haintenance of Timber Bridge (Exist) #2 0.0 6,957 2,400 0 0 Haintenance of Concrete Bridge (Exist) #2 39.2 3,664 2,413 143,628 94,589 238, Earthwork & Pavement Unit Cost (Rp/Km) : 10,272, Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Survived Value (Rp) : 5,014, Haintenance Rate without Bridge (X) : 5								3,410,37
### ##################################	Haintenance of Timber Bridge (New)	a?	0.0		1.120			.,
Haintenance of limber Bridge (Exist) m2 0.0 6,957 2,400 0 0 Maintenance of Concrete Bridge (Exist) m2 39.2 3,664 2,413 143,628 94,589 238, Earthwork & Pavement Unit Cost (Rp/Km) : 10,272,				•	-	0	0	
Haintenance of Concrete Bridge (Exist) #2 39.2 3,664 2,413 143,628 94,589 238, Earthwork & Pavement Unit Cost (Rp/Km) : 10,272, limber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Survived Value (Rp) : 5,014, Haintenance Rate without Bridge (X) : 5						0	0	
Earthwork & Pavement Unit Cost (Rp/Km) : 10,272, Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Survived Value (Rp) : 5,014, Haintenance Rate without Bridge (X) : 5						143.628	94.589	238.21
Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Survived Value (Rp) : 5,014, Haintenance Rate without Bridge (X) : 5			0112	0,007				
limber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Survived Value (Rp) : 5,014, Haintenance Rate without Bridge (X) : 5								
limber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Survived Yalue (Rp) : 5,014, Haintenance Rate without Bridge (X) : 5			•	Earthwork &	Pavement Un	nit Cost (Re	5/Kn} :	10,272,89
Concrete Bridge Unit Cost (Rp/m2) : Survived Value (Rp) : 5,014, Haintenance Rate without Bridge (X) : 5								
Survived Value (Rp) : 5,014, Haintenance Rate without Bridge (X) : 5								
Haintenance Rate without Bridge (%) : 5	•							5,014,5
							•	5.5
Nau Veldan linet Valo 171 4						-	(%) :	, 010

LINK NO : 28 (III8-1) LENGTH : 6 Km

: 8.0m road bed, 3.5m road with surface Dressing (1) UPGRADE

			***********				(Rp)
ITEH	ният	MIANTITY		E0\$1 >>>			>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
	UNII	QUANTITY	LOCAL	FORELGH	LOCAL	FOREIGN	ATOT
Site Clearance in Light Bush	a 2	0.0	144	90		٥	
Subgrade Preparation	#2	0.0	18	· 11	0	0	• •
lormal Fill	#3	0.0	1,484	859	0	0	
ill in Swamp	m3	0.0	2,208	1,047	0	. 0	
lormal Excavation to Spoil	e.3	0.0	873	520	0	. 0	
iub Base Course	n3	876.8	2,813	1,340	2,466,438	1,174,912	3,641,35
ase Course	a 3	1470.0	3,861	2,290	5,675,670		
houlder	e2	27000.0	256	145	6,912,000	3,915,000	9,041,97 10,827,00
isphalt Patching	#2	0.0	3,079	1,371	0,112,000	0,110,000	10,021,00
orface Dressing (Single)	# 7	21000.0	601	595	12,621,000	12,495,000	25,116,00
urface Dressing (Double)	e2	0.0	740	935	0	0	19,110,00
arth Drain	4	0.0	721	118	0	. 0	
arth Drain in Swamp (by machine)	a 3	0.0	1,039	472	0	ò	
ipe Culvert D8Ocm	ā	0.0	38,324	48,854	0	ů	
lasonry Culvert (80x80cm)	A	9.0	51,373	38,938	410,984	311,504	722,48
etaining Wall and Wing Wall (Timber)	n 2	0.0	11,313		0	011,501	
etaining Wall and Wing Wall (Masonry)	- #3	1.5	36,883	11,442	55,324	17,163	72,48
abion Protection	a 3	0.0	24,904	120	0	0	72111
en Pridge (limber)	SET	1.0			ō	0	
len Bridge (Concrete)	SET	1.0			0	0	
			Sub Total		28,141,416	21,279,879	49,421,29
verhead (15%)					4,221,212	3,191,981	7,413,19
			TOTAL COST		32,362,628	24,471,860	56,834,48
anual routine maintenance of road	Ka	6.0	116,160	7,236	696,960	43,418	740,3
outine maintenance of asphalt road	. Ka	6.0	307,900	137,100	1,847,400	822,600	2,670,0
sisks on a Tisks Deiden IN-	. 1		Sub Total	1 100	2,544,360	810,888	3,410,3
aintenance of Timber Bridge (New)	#2 -1	0.0	7,257	1,120	0	0	
aintenance of Concrete Bridge (New)	#2 - 2	0.0	1,676	2,866	0	=	
aintenance of Timber Bridge (Exist)	#2 #2	0.0 0.0	•	2,400	0	()	
aintenance of Concrete Bridge (Exist)	id £	0.0	3,664	2,413	V	V	
		د بند هد مین سد سند ها شاه اند بند ه					g
			Earthwork &			p/Kg) :	9,472,4
			Timber			p/m2) :	
			Concrete			p/m2) :	
			Survived	Value		(Rp) :	4,357,33
			Maintenance			(X) ;	6.0
			Hew Bridge	Last Hate		(%) :	

LINK NO : 20 (IIIA) LENBTH : 8 Km

UPGRADE : 9.5m road bed, 4.5m road with surface Dressing (2)

1 1 E H	UNIT	QUANTITY	<<< UNIT LOCAL	COST >>> FOREIGN	(((COST FOREIGN	>>>>> TOTAL
ite Clearance in Light Bush	n 2	0.0	144	90	0	. 0	• • • •
Subgrade Preparation	# 2	0.0	18	11	b	0	
lormal Fill	£a.	0.0	1,484	859	0	0	· (
ill in Swamp	m 3	0.0	2,208	1,047	0	0	1.5
Hormal Excavation to Spoil		845.0	973	520	737,605	439,400	1,177,08
Sub Rase Course	a3	1995.5	2,813	1,340	5,613,341		8,287,31
lase Course	a 3	2000.0	3,861	2,290	11,119,680	6,595,200	17,714,88
Ghoul der 💮 💮	e2	40000.0	258	145	10,240,000	5,800,000	16,040,00
Asphalt Patching	# 2	0.0	3,079	1,371	. 0	0	
Surface Dressing (Single)	± 2	0.0	103	595	0	•	E i
Surface Dressing (Double)	. 2	36000.0	740	935	26,640,000	33,860,000	60,300,00
arth Drain	#	0.0	721	119	0	0	
arth Drain in Swamp (by machine)	a3	0.0	1,039	472	0	: q	* *
Pipe Culvert D80cm	. 8	0.0	38,324	48,854	0	0	· · · · · · · · · · · · · · · · · · ·
lasonry Culvert (80x80cm)	æ	0.0	51,373	38,938	0	0	
Retaining Wall and Wing Wall (Timber)	n2	0.0	11,313	245	. 0	0	
Retaining Wall and Wing Wall (Masonry)	a 3	30.0	36,883	11,442	1,106,490	343,260	1,449,75
Sabion Protection	m 3	0.0	24,904	120	0	•	
len Bridge (Timber)	SET	1.0		•-	0	0	
lew Bridge (Concrete)	SET	1.0			0	. 0	
•			Sub Total		55,457,196	49,511,830	104,969,02
verhead (15%)			•		8,318,579	7,426,774	15,745,35
			TOTAL COST		63,775,775	56,938,604	120,714,37
			422 438		020 000	E3 000	002 17
lanual routine maintenance of road	Ka		116,160	7,236	927,280	-	7 510 0
Routine maintenance of asphalt road	Ka	8.0	307,900	137,100	2,463,200		3,560,00
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			Sub Total	1 120	3,392,480 0		4,547,10
laintenance of Timber Bridge (New)	#2 -2		7,257	1,120	0	•	
faintenance of Concrete Bridge (New)	a2		1,676	2,866	0	•	
laintenance of Timber Bridge (Exist)	#2 -2		6,957.	2,400			684,87
laintenance of Concrete Bridge (Exist)	3.4	112.7	3,664	2,413	412,932	271,945	001,01
				:			
			Earthwork &	Pavement U	nit Cost 🦯 (Rp/Km) :	15,089,2
•			Timber	Bridge U	nit Cost (Rp/#21 s	
•			Concrete	Bridge V	nit Cost 1	Rp/m21 :	
			Survived	•		(Rp) :	11,050,5
			Xaintenance	Rate withou	t Bridge	{ X }:	3.
· · · · · · · · · · · · · · · · · · ·			New Bridge		•	(%) :	

FROV

: LAMPUNG KAB : LAMPUNG TENGAH

LINK NO : 16 (1118-2) LENGTH : 17 Km

UPGRADE : 9.0m road bed, 4.0m road with surface Base Cource

							(Rp)
ITEM			(((UNI	COST >>>	· ((((())))	>>>>>
	71KU	QUANTITY	LOCAL	FOREIGN	LOCAL	. FOREIGN	TOTA
City Classes in light Buch						P + + P + + + + + + + + + + + + + + +	
Site Clearance in Light Bush	m2	0.0	144	90	(0	
Subgrade Preparation	n2		18	11	(0	
Normal Fill	En.	0.0	1,484	859	· (0	
Fill in Swamp:	n3	0.0	2,208	1,047	(0	
Normal Excavation to Spoil	a 3	0.0	873	520	() 0	£1 .
Sub Base Course	#3	2308.0	2,813	1,340	6,492,404	3,092,720	9,505,12
Base Course	ลงิ	4080.0	3,861	2,290	15,752,880		
Shoulder	m2	85000.0	256	145	21,760,000		34,005,00
Asphalt Patching	#2	0.0	3,079	1,371) (
Surface Dressing (Single)	*2	0.0	601	595	(
Surface Dressing (Double)	#2	0.0	740	935	,	-	
Earth Drain	A	0.0	721	118) . 0	
Earth Drain in Swamp (by machine)	a 3	0.0	1,039	472		, 0	
Pipe Culvert 080cm	5		39,324	48,854		, ,	
Masonry Culvert (80x80cm)	9	0.0	51,373	38,938			
Retaining Hall and Hing Hall (Timber)	a2	0.0	11,313	245	(
Retaining Hall and Wing Wall (Masonry)	#3	0.0	•		(
Gabion Protection	มง ครั		36,083	11,442	(
New Bridge (Timber)		0.0	24,904	120	(•	
	SET	1.0			. (•	
New Bridge (Concrete)	SET	1,0			() , 0	
			Sub Total		44,005,28	24,760,920	68,766,20
Overhead (15%)					6,600,79	3,714,138	10,314,93
			TOTAL COST		50,606,076	28,475,058	79,081,13
Hanval couting existenance of good		11 0	114 140	7 771	1 071 77	127 612	2 003 71
Hanual routine maintenance of road	Ka Ka	17.0 17.0	116,160	7,236			
Routing maintenance of gravel road	K#	17.0	169,711	87,777			
W. f. 5		۸.۷	Sub Total		1,812,80		6,458,07
Maintenance of Timber Bridge (New)	m2		7,257	1,120		0	
Maintenance of Concrete Bridge (New)	#2 2		1,6/8	2,866		0	
Maintenance of Timber Bridge (Exist)	m2		1,676 6,957 3,664	2,400) 0	
Maintenance of Concrete Bridge (Exist)	R2	29.4	3,664	2,413	107,72	70,942	178,68
						, , , , , , , , , , , , , , , , , ,	
			Earthwork &	Pavement l	Jnit Cost	(Rp/Km) :	4,651,8
			Timber	Bridge l	Jnit Cost	(Rp/m2) :	
			Concrete	•		(Rp/#2) :	
			Survived	Value		(Rp) 1	4,792,50
			Maintenance		ıt Bridoe	(X) 1	8,1
			New Bridge		-7-	(%)	5,1

LINK MO : 15 (IIIA) LENGTH : 15 Km

UPGRADE : 9.5m road bed, 4.0m road with surface Dressing (2)

presention	to Clearance in Light Rush		QUARTITY	LOCAL	COST >>>	(((() Local	COST FOREIGN	>>>>> TOTAL
Preparation	to Clearance in tight Rush		********	****	************		********	******
11	er arraiance in right pash	e 2	0.0	144	90	0	0	
Mamp	bgrade Preparation	. 42	0.0	16	11	0	0	. (
Cavation to Spoil	rmal Fill	a 3	0.0	. L,484	859	0	0	
Course	Il in Swamp	83	0.0	2,208	1,047	0	. 0	
Course	rmal Excavation to Spoil	я3	0.0		520	0	0	
### ##################################	b Base Course	a3	2608.0	2,813	1,340	7,336,304	3,494,720	10,831,02
### ### ##############################	se Course	a3	4800.0	3,841	2,290		10,992,000	29,524,80
Patching #2 0.0 3,079 1,371 0 0 Pressing (Single) #2 0.0 601 595 0 0 Pressing (Bouble) #2 60000.0 740 935 44,400,000 56,100,000 100,500,00 Pressing (Bouble) #3 0.0 771 118 0 0 Pressing (Bouble) #3 0.0 1,039 472 0 0 Pressing (Box #2 0.0 38,324 48,854 0 0 0 Pressing (Box #3 0.0 51,373 38,938 0 0 0 Pressing (Box #3 0.0 51,373 38,938 0 0 0 Pressing (Box #3 0.0 51,373 38,938 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 24,904 120 0 0 0 Pressing (Box #3 0.0 24,904 120 0 0 0 Pressing (Box #3 0.0 24,904 120 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0 0 0 Pressing (Box #3 0.0 36,883 11,442 0	oul der	a ?	4 2			•		
Seriar Single	phalt Patching							
1				*.		0	0	
### ### ##############################	• -					44.400.000	54,100,000	100.500.00
Sin in Swamp (by machine) sin in Swamp (by machine) sert DBOcs	rth Drain						121.141.00 U	
### DBOC# ### 0.0 38,324 48,854 0 0 0 Culvert (80x80cm)							'n	
Culvert (80x80cm) a 0.0 51,373 38,938 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						•	. V	
Mali and Ming Mali (Timber) m2 0.0 11,313 245 0 0 Mali and Ming Mali (Masonry) m3 0.0 36,883 11,442 0 0 otection m3 0.0 24,904 120 0 0 otection SET 1.0 0 0 Sub Total 91,389,104 82,549,220 173,938,32 (15%) 13,708,365 12,382,383 26,090,74 otection 105,097,469 94,931,603 200,029,07 otection 105,097,469 94,931,603 200,029,07 otection 105,097,469 94,931,603 200,029,07 otection 13,708,365 12,382,383 26,090,74 o	▼					•	^	
Mail and Ming Mail (Masonry) m3						Ī	0	
Total maintenance of road Ka 15.0 116,160 7,236 1,742,400 108,540 1,850,94 asintenance of asphalt road Ku 15.0 307,700 137,100 4,618,500 2,056,500 6,675,06 Sub Total 120 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						-		
Ige (Timber) SET 1.0 0 0 0 1 1.0								
SET 1.0 0 0	bion Protection			•			0	
Sub Total 91,389,104 82,549,220 173,938,32 (15%) 13,708,365 12,382,383 26,090,74 **TOTAL COST** 105,097,469 94,931,603 200,029,07 **Duting maintenance of road** Km** 15.0 116,160 7,236 1,742,400 108,540 1,850,94 **saintenance of asphalt road** Km** 15.0 307,900 137,100 4,618,500 2,056,500 6,675,00 Sub Total 6,360,900 2,165,040 8,525,94	и Bridge (Tiaber)						0	
(15%) 13,708,365 12,382,383 26,090,74 **TOTAL COST** 105,097,469 94,931,603 200,029,07 **Dutine maintenance of road** Km** 15.0 116,160 7,236 1,742,400 108,540 1,850,94 **saintenance of asphalt road** Km** 15.0 307,900 137,100 4,618,500 2,056,500 6,675,00 **Sub Total** 6,360,900 2,165,040 8,525,94	н Bridge (Concrete)	SEI	1.0			v	U	
total cost 105,097,469 94,931,603 200,029,07 Dutine maintenance of road Km 15.0 116,160 7,236 1,742,400 108,540 1,850,94 maintenance of asphalt road Km 15.0 307,900 137,100 4,618,500 2,056,500 6,675,00 Sub Total 6,360,900 2,165,040 8,525,94	•		•	Sub Total	•	91,389,104	82,549,220	173,938,32
outine maintenance of road Km 15.0 116,160 7,236 1,742,400 108,540 1,850,94 saintenance of asphalt road Km 15.0 307,900 137,100 4,618,500 2,056,500 6,675,00 Sub Total 6,360,900 2,165,040 8,525,94	erhead (15%)					13,708,385	12,382,383	26,090,74
saintenance of asphalt road Ku 15.0 307,900 137,100 4,618,500 2,056,500 6,675,00 Sub Total 6,360,900 2,165,040 8,525,94				TOTAL COST		105,097,469	94,931,603	200,029,07
saintenance of asphalt road Ku 15.0 307,900 137,100 4,618,500 2,056,500 6,675,00 Sub Total 6,360,900 2,165,040 8,525,94								
saintenance of asphalt road Km 15.0 307,900 137,100 4,618,500 2,056,500 6,675,00 Sub Total 6,360,900 2,165,040 8,525,94	nual routine maintenance of road	Ka	15.0	116,160	7,236	1,742,400	108,540	1,850,94
Sub Total 6,360,900 2,165,040 8,525,94	utine maintenance of asphalt road	Ka	15.0		137,100	4,618,500	2,056,500	6,675,00
						6,360,900	2,165,040	8,525,94
nce of limber Bridge (New) 22 0.0 7,257 1,120 0 0	intenance of Limber Bridge (New)	± 2	0.0	7,257	1,120	. 0	0	
		e2	0.0	-	2,866	0	0	
		s 2	0.0	•	2,400	0	0	
	intenance of Concrete Bridge (Exist)	e2:	49.0	3,664	2,413	179,536	118,237	297,77
nce of Concrete Bridge (New) @2 0.0 1,676 2,866 0 0	nual routine maintenance of road utine maintenance of asphalt road intenance of limber Bridge (New) intenance of Concrete Bridge (New) intenance of Concrete Bridge (Exist) intenance of Concrete Bridge (Exist)	#2 #2 #2	15.0 0.0 0.0 0.0	307,700 Sub Total 7,257 1,676 6,957	137,100 1,120 2,866 2,400	4,618,500 6,360,900 0 0	2,056,500 2,165,040 0 0	6
						· · · · · · · · · · · · · · · · · · ·	118,237	297,77

: LAMPUNG KAB : LAMPUNG TENGAH

LINK NO : 12 (IIIA) LENGTH : 8 Km

UPGRADE : 9.5m road bed, 4.0m road with surface Dressing (2)

- 14	~~~~~						(Rp)
TTEN	11111 7	Milanaa		COST >>>	\\\	<<< cost))))))
	UN11	YTITHAUG	LOCAL	FOREIGH	LOCAL	FORELGN	TOTA
lite Clearance in Light Bush	#2	0.0	142	50			•
Subgrade Preparation	m2	0.0	144 18	90	0	0	
lormal Fill	e3	0.0		- 11	0	0	
ill in Swamp	a3	0.0	1,484 7.200	859	0	0	
ormal Excavation to Spoil	a 3	0.0	2,208 873	1,047	0	0	
Sub Base Course	e3	1412.0	2,813	520	7 071 054	0	
ase Course	#3	2560.0	•	1,340	3,971,956	1,892,000	5,864,0
ihoul der	m2	44000.0	3,861 256	2,290	9,884,160	5,862,400	15,746,5
Asphalt Patching	#12 #2	0.0		145	11,264,000	6,380,000	17,644,0
urface Dressing (Single)	a2	0.0	3,079 801	1,371	0	0	
ourface Dressing (Double)	a2	32000.0		595	0	0	
arth Drain	9		740	935	23,680,000	29,920,000	53,600,0
arth Orain in Swamp (by machine)	a 3	0.0	721	118	0	0	
ipe Culvert DBOca	a s	0.0	1,039	472	0	0 .	
lasonry Culvert (80x80cm)	4	0.0	38,324	48,854	0	0	
tetaining Wall and Wing Wall (Timber)	a2	0.0	51,373	38,938	0	0	
letaining Hall and Hing Wall (Hasonry)	#2 #3	0.0 0.0	11,313	245	0	0	
abion Protection	- n3		36,883	11,442	0	0	
les Bridge ([imber)		0.0	24,904	120	0	0	
lew Bridge (Concrete)	SET SET	1.0 1.0			0	0	
2. Toge Toolier Eccy	J. I	1.0			·	•	
			Sub Total		48,800,116	44,054,480	92,854,5
iverhead (15%)					7,320,017	6,608,172	13,928,1
			TOTAL COST		56,120,133	50,662,652	106,782,7
lanual routine maintenance of road	Ka.	8.0	116,160	7 211	929,280	57,889	007 1
outine maintenance of road	. Ke	8.0	307,900	7,235 137,100	2,463,200	1,076,800	987,1 3,560,0
morring warninging of appliant 1060	V 2	0.0	Sub Total	13/1100	3,372,480	1,154,688	4,547,1
aintenance of Timber Bridge (New)	= ?	0.0	7,257	1,120	313121100 0	1,131,000	1,41/11
aintenance of Concrete Bridge (New)	3 2	0.0	1,676	2,865	0	. 0	
laintenance of Timber Bridge (Exist)	# ? # ?	0.0	6,957	2,400	0	Ŏ	
aintenance of Concrete Bridge (Exist)	62	0.0	3,664	2,413	ů	ů.	
officendance of contract to large textset							
			Farthwork t	Paveaent lin	it Cast 18	p/Ke) i	13,347,8
			Timber			p/m2) :	PALALIT
			Concrete	•		p/a2) :	
			Survived	Value		(Rp) :	6,627,8
			-41 14 164				o loci la
			Maintenance	Rate without	Bridae	(X) ;	4.

LINK NO : 7 (IIIB-2) LENGTH : 7 Km

UPGRADE : 9.0m road bed, 3.5m road with surface Base Cource

		•		-			(Rp)
TTEH	11H S T	DUANTITY	(<< UNIT		/// LOCAL	COST FOREIGN	\\\\\\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
			**********			101121011	
Site Clearance in Light Bush	e2	0.0	144	. 90	0	0	
Subgrade Preparation	a2	45000.0	19	.11	810,000	495,000	1,305,00
Normal Fill	#3	0.0	1,484	859	0	0	. 1,000,00
Fill in Smamp	m3	0.0	2,208	1,047	Ō	0	
Normal Excavation to Spoil	a 3	149.0	873	520	130,077	•	
Sub Base Course	a3	2675.8	2,813	1,340	7,527,025		11,112,59
Base Course	a3	1470.0	3,861	2,290	5,675,670		9,041,97
Shoulder	a2	38500.0	256	145	9,856,000		15,438,50
	m2		3,079		1,000,000	_	מחומהגומו
Asphalt Patching		0.0		1,371 595	-		
Surface Dressing (Single)	#2 - 2		591		Ų.	_	
Surface Dressing (Double)	e 2	0.0	740	935	0		
Earth Drain		0.0	721	118	V	,V	
Earth Drain in Swamp (by machine)	#3	0.0	1,039	472	0		
Pipe Culvert D80ca	2	0.0	38,324	48,854	0		10
Hasonry Culvert (80x80cm)	0	8.0	51,373	38,939	410,984		722,48
Retaining Hall and Wing Hall (Yimber)	. 82	0.0	11,313	245	0	and the second second	
Retaining Wall and Wing Wall (Masonry)	#3		36,883	11,442	55,324		72,48
Gabion Protection	m3	0.0	24,904	120	0	0	
len Bridge (Timber)	SET	1.0			0	0	•
New Bridge (Concrete)	SET	1.0			0	Ò	
			Sub Total		24,465,080	13,435,519	37,900,59
Overhead 15%)					3,669,762	2,015,327	5,685,0
			TOTAL COST		28,131,842	15,450,846	43,595,68
			****		017 170	EA 151	017.71
Manual routine maintenance of road	Ka.		116,160	7,236	813,120	•	863,77
Routine maintenance of gravel road	Ke	7.0	169,711	87,777	1,180,977		1,795,41
	_		Sub Intal		1,994,097		2,659,16
Maintenance of Timber Bridge (New)	n2		7,257	1,120	0		
Maintenance of Concrete Bridge (New)	\$ 2		1,676	2,866	0	•	
Haintenance of Timber Bridge (Exist)	≜ 2		6,957	2,400	0		
Maintenance of Concrete Bridge (Exist)	\$ 2	117.6	3,664	2,413	430,886	283,768	714,65
·							~
			Earthwork &	Payenent U	nit Cost (Rp/K#J :	6,226,57
			Timber			Rp/#21 :	
			Concrete			Rp/m2) :	
			Survived	Value		(Rp) :	5,556,29
				Rate withou	t Aridaë	(7,)	6.1
· · · · · · · · · · · · · · · · · · ·			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.,			

KAB : LAMPUNG TENGAH

LINK NO : 6 (IIIA)

LENGTH : 8 Km

UPBRADE : 12.5m road bed, 9.5m road with surface Dressing (2)

in.

- 4 # # # # no - 4 m m m m m m m m m m m m m m m m m m							(Rp)
115#	INIT	ONANTITY		COST >>>		<<<< cost	>>>>>
		**************************************	LOCAL	FOREIGN	LOCAL	FOREIGN	A101
Site Clearance in Light Bush	m 2	7200.0	. 141				
Subgrade Preparation	n2		144	90	1,036,800		1,684,80
Normal Fill	#3		18	11	1,800,000		2,900,00
ill in Swamp		0.0	1,484	859	. 0	-	
duraal Excavation to Spoil	83	.0.0	2,208	1,047	0	•	
Sub Base Course	a3	1871.0	873	520	1,633,383		2,606,30
Base Course	#3	10640.0	2,813	1,340	29,930,320		44,187,97
Shoulder		6.080.0	3,861	2,290	23,474,880		37,398,01
the state of the s	# 2	24000.0	256	145	6,144,000		9,624,00
Asphalt Patching	* 2	0.0	3,079	1,371	0	-	
Surface Dressing (Single)	# 2	0.0	103	595	0	•	* *
Surface Dressing (Double)	m2	76000.0	740	935	56,210,000	000,040,17	127,300,00
arth Drain	8		721	118	. 0	0	
Earth Drain in Swamp (by machine)	5 3	0.0	1,039	472	O	0	
Pipe Culvert D80cm	6	0.0	38,324	48,854	0	.0	
fasonry Culvert (80x80cm)	. 8	0.0	51,373	38,938	0	0	
Retaining Wall and Wing Wall (Timber)	e2	0.0	11,313	245	. 0	0	
Retaining Hall and Hing Hall (Hasonry)	# 3	0.0	36,893	11,442	0	0	
Gabion Protection	n3	0.0		120	Ç	0	
len Bridge (Timber)	SET	1.0			C	0	
lew Bridge (Cancrete)	SET	1.0			0	0	
			Sub Fotal		120,259,383	105,441,720	225,701,10
Overhead (15%)				•	18,038,907	15,816,258	33,855,1
			TOTAL COST		139,298,290	121,257,978	259,556,2
lanual routine maintenance of road	Ka	8.0	{16,160	7,236	929,280	57,886	987,1
doutine maintenance of asphalt road	Kn	8.0	307,900	137,100	2,463,200		3,560,0
*.			Sub Total		3,392,480	1,154,688	1,547,1
laintenance of Timber Bridge (New)	a?	0.0	7,257	1,120	(
laintenance of Concrete Bridge (New)	2 2	0.0	1,676	2,866	. (0	
taintenance of limber Bridge (Exist)	#2	0.0	6.957	2,400	(0	
aintenance of Concrete Bridge (Exist)	#2	0.0	3,661	2,413	. (0	
			Earthwork &			Rp/Ka) :	32,444,5
				•		Rp/m2) :	
			Concrete	•	it Cost (Rp/#2) :	
				Value		(Rp) ;	44,699,8
			Maintenance	Rate without	Bridge	(X) :	1,1
			New Bridge		ritoge	(2)	• •

KAB : LAMPUNG TENGAH

LINK NO : 1 (IIIC)

LENGTH : 6 Km

UPGRADE : 9.5m road bed, 4.0m road with surface Subbase Cource

ITEN	UNIT	QUAHILIY	TIRU >>> LOCAL	COST >>> FGREIGN	\(\(\(\ LOCAL	COST FOREIGN	>>>>> 101AL
Site Clearance in Light Bush	\$ 2	0.0	144	90	0	0	(
Subgrade Preparation	2	0.0	19	11	0	ň	
formal Fill	#3	0.0	i 181	859	0	ŏ	
ill in Swamp	•3	0.0	2,200	1,047	Ů	Ď	ì
formal Excavation to Spoil	n3	0.0	873	520		ň	
Sub Base Course	ža Ža	276.0	2,813	1,340	776,388	369,840	1,146,27
Pase Course	#3	1440.0	3,861	2,290	5,557,840	3,297,600	8,857,44
Shoul der	n2	33000.0	256	145	B,449,000	4,785,000	13,233,00
Asphalt Patching	m 2	0.0	3,079	1,371	0	0	101100100
Surface Dressing (Single)	n2	0.0		595	ň	Ů	
Surface Dressing (Double)	#2	0.0	740	935	. 0	ň	
Earth Drain		7.2	721	110	. 0	Ů	
Earth Drain in Swamp (by machine)	E.	0.0	1,039	472	ñ	· · · · · · · · · · · · · · · · · · ·	,
Pipe Culvert DBOcs	a a	0.0	38,324	48,854	. •	. 0	
•	* s	0.0	51,373	38,939	0	ň	· ·
lasonry Culvert (BOxBOca)	a 2		11,313	245		'n	
Retaining Wall and Wing Wall (Timber)	#2 #3		•	11,442	0	. 0	
Retaining Wall and Wing Wall (Masonry)	#3			120	v n	· 0	
Gabion Protection			24,904	120		۸	
Yen Bridge (Timber)	SET				0	0	
Hew Dridge (Concrete)	SET	1.0			V	· .	
		•	Sub Total		14,784,228	8,452,440	23,236,66
Overhead (15%)					2,217,634	1,267,866	3,485,50
			TOTAL COST		17,001,862	9,720,306	26,722,18
			-400000000000			**********	
Hanual routine maintenance of road	Kæ	6.0	116,160	7,236	444,460	43,416	740,3
Routine maintenance of gravel road	Kø	6.0	149,711	87,777	1,012,266	526,662	1,530,9
4			Sub Tatal		1,709,226	570,078	2,279,3
Maintenance of Timber Bridge (Hem)	# 2	0.0	7,257	- 1,120	0	0	
deleteres el Casasta Daldas Illout	a?	0.0	1,676	2,866	0	0	
Maintenance of Concrete Bridge (Hew)	-	0.0	6,957	2,400	0	0	
naintenance of Concrete bridge (Exist)	a?	0.0					
aintenance of Timber Bridge (Exist)	a2		3,661	2,413	803,499	656,336	1,652,4
laintenance of Timber Bridge (Exist)				2,413	998,608	656,336	1,652,4
			3,664				or \$5 can \$5. and they will be view of
Maintenance of Timber Bridge (Exist)			3,664 Earthwork &	Payement Un	It Cost {Rp/	Kal 1	or \$5 can \$5. and they will be view of
Maintenance of Timber Bridge (Exist)			3,664 Earthwork & Timber	Pavement Un Bridge Un	It Cost (Rp/ It Cost (Rp/	Ka) !	or \$5 can \$5. and they will be visit to
Maintenance of Timber Bridge (Exist)			3,664 Earthwork & Himber Concrete	Pavement Un Bridge Un Pridge Un	it Cost (Rp/ It Cost (Rp/ It Cost (Rp/	Ka) ! #2) !	4,453,6
Maintenance of Timber Bridge (Exist)			3,664 Earthwork & Timber Concrete Survived	Pavement Un Bridge Un	It Cost (Rp/ It Cost (Rp/ It Cost (Rp/ (R	Ke] : #2) : e?! !	1,652,94 4,453,64 458,44

: LAMPUNG KAB : LAMPUNG TENGAH

LINK NO : 4 (IIIB-1) LENGTH : 4 Km

UPGRADE : 9.5m road bed, 4.0m road with surface Dressing (1)

***************************************	******		****				(Rp)
1 T E M				Cost)))	<	(<<<< cost	>>>>>
	UNII	BUNKLITA	LOCAL	FORELGN	LOCAL	FOREIGN	TOTA
Cita Classaca in tink Buck	_						
Site Clearance in Light Bush	#2	0,0		90	() . 0	
Subgrade Preparation	#2	38000.0	10	11	684,000	418,000	1,102,00
Normal Fill	43	0.0	l,484	859)	
Fill in Swamp	a 3	0.0	2,208	1,047		0	
Normal Excavation to Spoil	4 3	388.0	873	520	338,72		540,48
Sub Base Course	n3	2240.0	2,813	1,340	6,301,120		9,302,72
Pase Course	m3	1120.0	3,861	2,290	4,324,320		6,989,12
Shoulder	m2	22000.0	256	145	5,632,000		8,822,00
Asphalt Patching	• 2	0.0	3,079	1,371) (01022300
Surface Dressing (Single)	a2	16000.0	601	595	9,616,00		19,136,00
Surface Dressing (Double)	a 2	0.0	740	935	(חחלמכולנו
Earth Drain		0.0	721	119	,	=	,
Earth Drain in Swamp (by machine)	8 3	0.0	1,039	472		-	
Pipe Culvert D80ce	B	0.0	38,324			•	*
Masonry Culvert (80x80cm)	9		•	48,854			
Retaining Wall and Wing Wall (Timber)	a 2	32.0	51,373	38,938	1,613,936		2,889,95
Retaining Wall and Wing Wall (Masonry)	_	0,0	11,313	245		0.	*.
Gabion Protection	#3 -7	5.8	36,893	11,442	213,92	•	280,28
	a 3	0.0	24,904	120) 0	
New Bridge (Timber)	SET	1.0	~~		(•	
New Bridge (Concrete)	SET	1.0	***		() 0	
			Sub Total		28,754,02	20,208,539	48,962,56
Overhead (15%)					4,313,103	3,031,280	7,344,38
			TOTAL COST		33,067,12	23,239,819	56,306,94
Wassel caution winterson of and	 v_	4.0	511 FIA	7 371		70 026	
Manual routine maintenance of road	Ka	4.0	116,160	7,236	464,640	•	493,58
Routine maintenance of asphalt road	Χæ	4.0	307,900	137,100	1,231,600		1,780,00
			Sub Total		1,696,240		2,273,58
Maintenance of Timber Bridge (New)	8 2	0.0	7,257	1,120	• (•	
Maintenance of Concrete Bridge (Hew)	# ?		1,576	2,866	(•	
Maintenance of Timber Bridge (Exist)	#2	35.0	6,957	2,400	243,495	•	327,49
Maintenance of Concrete Bridge (Exist)	. •2	25.0	3,661	2,413	91,600	60,325	151,92
			Earthwork &	Pavecent Uni	t Cost	(Rp/Km) :	14,076,73
			Timber	Bridge Uni	t Cost	(Rp/m2) :	•
			Concrete	Bridge Uni	t Cost	Rp/eŽl :	
			Survived	Value		(Rp) :	7,889,72
			Haintenance	Rate without	9ridoe	(2) ;	4.0
					,		

KAB : LAMPUNG TENGAH

LINK NO : 3 (IIIC)

LENGTH : 5 Km

UPGRADE : 10.0m road bed, 4.0m road with surface Subbase Cource

LIEN	4 1			COST >>>		CCC COST	>>>>>
	1180	PUANTITY	LOCAL	FOREIGN	LOCAL	FORETON	JATOT
Site Clearance in Light Bush	• •2	0.0	144	90	. 0	0	(
Subgrade Preparation	s 2	50000.0	19	11	900,000	550,000	1,450,000
Hormal Fill	-3	0.0	1,484	859	. 0	. 0	· · · (
Fill in Swamp	m3	0.0	2,208	1,047	0	. 0	(
Normal Excavation to Spoil	a 3	476.0	973	520	433,008	257,920	690,928
Sub Base Course	a 3	3200.0	2,813	1,340	9,001,600		13,289,600
Rase Course	a 3	0.0	3,861	-	0		(
Shoulder	• 2	30000.0	256	145	7,680,000	4,350,000	12,030,000
Asphalt Patching	e 2	0.0	3,079	1,371	0	0	
Surface Dressing (Single)	8 2	0.0	601	595	0		(
Surface Dressing (Double)	a 2	0.0	740	935	0	0	
Earth Drain		0.0	721	118	0	. 0	
Earth Drain in Swamp (by machine)	a3	0.0	1,039	472	- 0	0	
Pipe Eulvert DBOce	9		38.324	48,054	0	0	. (
Hasonry Culvert (80x80cm)	a	8.0	51,373	38,938	410,984	311,504	722,488
Retaining Wall and Wing Wall (Vimber)	s 2	0.0	11,313	245	. 0	. 0	
Retaining Wall and Wing Wall (Masonry)	m3	1.5	36,883	11,442	55,324	17,163	72,487
Gabion Protection	a3	0.0	24,904	120	0	_	
New Bridge (Timber)	SET	1.0	,		11,520,070	1,150,352	12,678,42
New Bridge (Concrete)	SET				0		
nen orroge rouner zeer			•				
			Sub Total		30,000,986	10,932,939	40,933,92
Donatas de CV 1					4,500,147	1,639,940	6,140,08
Overhead (15%)			i.		111,00011	1,001,170	0,170,100
			TOTAL COST		34,501,133	12,572,879	47,074,01
			* .				
Hanual routine maintenance of road	, Ka	5.0	116,160	1,236	580,800		616,98
Routine maintenance of gravel road	Ka	5.0	168,711	87,777	843,555		1,202,11
			Sub Total		1,424,355	• •	1,077,42
Haintenance of Timber Bridge (New)	n2		7,257	1,120	1,015,980	•	1,172,78
Haintenance of Concrete Bridge (Hew)	#2		1,676	2,866	. 0		. (
Maintenance of Timber Bridge (Exist)	82		6,957	2,400	0	=	
Haintenance of Concrete Bridge (Exist)	# 2	20.0	3,664	2,413	73,280	48,260	121,54

			Earthwork &	Pavement Un	nit Cost (Rp/Km):	6,498,76
			Timber	Bridge Un	nit Cost (Rp/#2) t	104,14
			Concrete	Bridge Un	it Cost (Rp/m2) :	
•			Survived	Value		(Rp) :	5,315,84
		•	Maintenance	Rate without	Bridge	(2)	5.0
			New Bridge			(2)	30.9

KAB

: LAMFUNG TENGAH

LINK NO : 2 (IIIC)

LENGTH : 4 Km

UPGRADE : 9.5m road bed, 4.0m road with surface Subbase Cource

LTEH <<< unit cost >>> *********** COST **>>>>>** LOCAL FOREIGN LOCAL FORE LON TOTAL Site Clearance in Light Bush a2 0.0 144 70 Subgrade Preparation **a**2 38000.0 18 11 684,000 418,000 1,102,000 Normal Fill **a**3 0.0 1,484 859 0 Ó Fill in Swamp æ3 336.0 2,208 1,093,680 1,047 741,080 351,792 Normal Excavation to Spoil цJ 628.0 873 520 326,560 548,244 874,804 Sub Base Course 2560.0 #3 2,813 1,340 7,201,280 3,430,400 10,631,680 Base Course e3 0.0 3,861 2,270 Shoulder ₽2 22000.0 3,190,000 256 145 5,632,000 8,822,000 Asphalt Patching **a**2 0.0 3,079 1,371 Surface Dressing (Single) **a**2 0.0 108 595 Surface Dressing (Double) 740 935 Earth Drain 0.0 721 118 Earth Drain in Swamp (by machine) аJ 4800.0 1.039 472 4,987,200 2,265,600 Pipe Culvert D80ce 40.854 0.0 38.324 Λ Masonry Culvert (80x80cm) . 8.0 51,373 38,938 410,984 311,504 722,488 Retaining Wall and Ming Wall (Timber) **e**2 0.0 11,313 245 Retaining Wall and Wing Wall (Masonry) аJ 1.5 36,883 11,442 55,324 17,163 72,487 Gabion Protection 53 0.0 24,904 120 New Bridge (Timber) SET 1.0 0 New Bridge (Concrete) SET 1.0 Sub Total 20,260,920 10,311,019 30,571,939 Overhead 1 15%) 3,039,138 1,546,652 4,585,790 TOTAL COST 23,300,058 11,857,671 Manual routine maintenance of road Κa 4.0 116,160 1,236 464,640 28,944 493,594 Routine maintenance of gravel road. 168,711 674,844 87,777 351,109 1,025,952 Sub Total 1,139,484 380,052 1,519,536 Maintenance of Timber Bridge (New) 0.0 7,257 1,120 0 Maintenance of Concrete Bridge (New) 0.0 1,676 2,866 0 2,400 6,957 Maintenance of Timber Bridge (Exist) a7 24.0 166,968 57,600 224,568 Maintenance of Concrete Bridge (Exist) 2,413 0.0 3,664 Earthwork & Pavement Unit Cost (Rp/Ka) 8,789,432 Timber Bridge Unit Cost (Rp/m2) Concrete Bridge Unit Cost (Rp/#2) Survived Value (Rn) 4,252,672 Maintenance Rate without Bridge {7.1 4.32 New Bridge Cost Rate (2)

LINK NO : 176 (1118-1) LENGTH : 3 Km

UPGRADE : 9.5m road bed, 4.0m road with surface Dressing (1)

11FH	TINU	QUANTITY	(((UNII Local	CUSI >>> Foreign	CCCCC LOCAL	COST FOREIGN	>>>>> Total
			~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~				
Site Clearance in Light Bush	a?	0.0	144	90	0	Ú .	. 0
Subgrade Preparation	92	0.0	. 19	11	. 0	()	0
Hormal fill	a3	0.0	1,484	859	0	0	0
Fill in Swamp	a 3	0.0	2,208	1,047	0	0	0
Normal Excavation to Spoil	a3	0.0	873	520	0	Ó.	0
Sub Base Course	a 3	544.0	2,813	1,340	1,530,272	728,960	2,259,232
Pase Course	a 3	840.0	3,861	2,270	3,243,240	1,923,800	5,166,840
Shoulder	a 2	16500.0	256	145	4,224,000	2,392,500	6,616,500
Asphalt Patching	a 2	0.0	3,079	1,371	0	0	0
Surface Brossing (Single)	a 2	12000.0	601	595	7,212,000	7,140,000	14,352,000
Surface Dressing (Double)	#2	0.0	740	935	0	0	0
Earth Drain	#	0.0	721	118	Ô	Ò	. (
Earth Drain in Swamp (by machine)	a.		1,037	472	Ô	A	Ò
		0.0	38,324	48,854	0	n .	
Pipe Culvert NBOcm				38,939	. 0	ń	
Hasonry Culvert (80x80cm)		0.0	51,373	245	0	, v	`
Retaining Wall and Wing Wall (Timber)	n2	0.0	11,313			247 260	1,449,75
Retaining Wall and Wing Wall (Masonry)	:a3	30.0	36,883	11,442	1,106,490	343,260	الأياء ويجالا
Gavion Protection	e3	0.0	24,904	120	()		
New Bridge (Timber)	138	1.0		'	0	Ü	•
New Bridge (Concrete)	SET	1.0			0	Û	
			Sub Total	* .	17,316,002	12,529,320	29,844,322
Overhead (15%)					2,597,400	1,877,249	4,476,640
•		.·	TOTAL COST		19,913,402	14,407,568	34,320,37
e e e e e e e e e e e e e e e e e e e							
Manual routine maintenance of road	Ka	3.0	116,160	7,236	348,480	21,708	370,18
Routine maintenance of asphalt road	Kn	3.0	307,900	137,100	923,700	411,300	1,335,00
			Sub Total	,	1,272,180	433,008	1,705,18
Naintenance of Timber Bridge (New)	n2	0.0	7,257	1,120	. 0	0	
Maintenance of Concrete Bridge (New)	a2	0.0	1,676	2,864	. 0	0	* •
Maintenance of limber Bridge (Exist)	" 2		6,957	2,400	0	0	
Maintenance of Concrete Bridge (Exist)	· #2	0.0	3,661	2,413	0	. 0	
same manee or some see to roge tensor.	-	***	1,000	- ,			
		,					
					:		
<u></u>			Earthwork &	Pavesent Uni	t Cost (Rp/	En) : ·	11,440,32
<u></u>			Earthwork & Timber		t Cost (Rp/ t Cost (Rp/		11,440,32
		. *		Bridge Uni	t Cost (Rp/	m21 :	11,440,32
		. *	Timber Concrete	Bridge Uni Bridge Uni	t Cost (Rp/ t Cost (Rp/	m21 : m21 :	7,440,32
		. *	Timber Concrete Survived	Bridge Uni	t Cost (Rp/ t Cost (Rp/ (R	n2) : n2) : p) :	11,440,32 2,614,93

LAMPUNG

KAB : LAMPUNG TENGAH

LINK NO :

175 (IIIA) LENGTH : 17 Km

UPBRADE : 7.5m road bed, 4.0m road with surface Dressing (2)

							(Rp)
11 E N	11991	QUANTITY	(((UNI Local				>>>>>
		40811111		FOREIGN	LOCAL	FOREIGN	ATOT
Site Clearance in Light Bush	- 4				•		*
Subgrade Preparation	62	0.0	144	70	0	0	(
Normal Fill	w.S	0.0	18	- 11	. 0	0	
	m3	0.0	1,484	959	0	0	
Fill in Swamp	#3	0.0	2,208	1,047	0.	0	
Normal Excavation to Spoil	a3	105.0	873	520	91,665	54,600	146,26
Sub Rase Course	m3	270B.0	2,813	1,340	7,617,604	3,628,720	11,246,32
Base Course	mЗ	5110.0	3,861	2,290	21,003,840	12,457,600	33,461,44
Shoulder	e2	57500.0	256	145	15,232,000	8,627,500	23,957,50
Asphalt Patching	n2	0.0	3,079	1,371	: 0	0	20,007,00
Surface Dressing (Simple)	n2	0.0	601	595	0	0	
Surface Dressing (Double)	m2	68000.0	740	735	50,320,000	63,580,000	113,900,00
Earth Drain	В	0.0	721	118	0010501000	0.01000100	1131100100
Earth Orain in Swamp (by machine)	a3	0.0	1,039	472	.0	•	
Pipe Culvert DBOcm	ano A	0.0	•	_	=	0	
Masonry Culvert (80x80cm)	H S	0.0	39,324	48,854	0	0	÷
Retaining Wall and Wing Wall (Timber)			51,373	38,938	0	0	
	n2	0.0	11,313	245		Û	
Retaining Wall and Wing Wall (Masonry)	£4.	173.0	36,883	!1,442	6,380,759	1,777,466	8,360,22
Sabion Protection	s 3	0.0	24,904	120	0	0	•
Nex Bridge (lieber)	SET	1.0			0	9	
New Bridge (Concrete)	SET	1.0			. 0	Û	
			Sub Total		100,845,868	90,327,886	190,973,75
Overhead (15%)	٠				15,098,880	13,549,182	28,646,06
			TOTAL COST		115,742,748	103,877,068	219,619,81
lanual routine maintenance of road	Ka	17.0	116,160	7 771	1 07# 120	192 019	2 603 11
Routine maintenance of asphalt road	Ka	17.0	307,900	7,736	1,974,720	123,012	2,077,73
contribe maintenance of ashualf toad	r. 9	11.0		137,100	5,234,300	2,330,700	7,565,00
			Sub Total	1 4 9 4	7,209,020	2,453,712	9,662,73
aintenance of Timber Bridge (New)	s 2	0.0	1,257	1,120	0	0	
laintenance of Concrete Bridge (Kew)	#2	0.0	1,676	2,866	Ô	, ĝ	
laintenance of limber Bridge (Exist)	* 2	0.0	6,957	2,400	0	0	
aintenance of Concrete Pridge (Exist)	βâ	98.0	3,664	2,413	357,072	236,474	595,54
		.,				*****	
			Earthwork &	Pavement U	nit Cost (Rp	/Ka) :	12,918,81
			limber	•	-	/n2) :	
			Concrete	Bridge U	nit Cost (Rp	/#2) :	
			Survived	Value.	ţ	նց) ։	17,362,41
4			Maintenance	Rate withou	t Dridge (Z) :	4.4
			New Bridge		•	X) :	

1.1NK NO : 174 (111A) LENGTH : 8 Km

UPGRADE : 7.0m road bed, 4.5m road with surface Dressing (2)

1 1 E N	Hui z	OHANIY 1 711	CCC UNIT		((((>>>>>> *******************************
	UNI1	QUANTITY	LOCAL	FOREIGN	LOCAL	FORELGN	TOTA
Site Clearance in Light Bush	e2	0.0	144	90	0	.0	1.
Subgrade Preparation	m2	0.0	19	11	0	Û	•
Igraal Fill	e3	0.0	1,484	859	0	0	
ill in Swamp	· #3	0.0	2,200	1,047	0	0 -	4
Hormal Excavation to Spoil	43	1120.0	873	520	977,760	582,400	1,560,16
Sub Base Course	m3	2296.0	2,813	1,340	6,459,648	3,076,640	9,535,26
Pase Course	ĸ3	2880.0	3.861	2,270	11,119,680	6,575,200	17,714,90
Shoulder	ø2	36000.0	256	145	9,216,000	5,220,000	
Asphalt Patching	#2	0.0	3,079	1,371	Û	0	
Gurface Dressing (Single)	a 2	0,0	601	595	0	0	
Purface Dressing (Double)	#2	36000.0	740	735	26,640,000	33,660,000	60,300,00
Earth Drain		0.0	721	118	0	0	
Earth Drain in Swamp (by machine)	: #3		1,039	472	0	4 500 0	
Pipe Culvert D80ca		0.0	30,324	48,954	0	: 0	
lasonry Culvert (80xB0cm)	4	0.0	51,373	38,939	0	. 0	
Retaining Wall and Wing Wall (Timber)	m2	0.0	11,313	245	0	0	•
Retaining Wall and Wing Wall (Masonry)	43	0:0	36,883	11,442	0	0	100
Sabion Protection	a3	0.0	24,904	120	()	.0	
New Bridge (Timber)	SET	1.0			Q	. 0	
Hen Bridge (Concrete)	SET	1.0	, 		0	0	
			Sub Iotal	٠.	54,412,088	47,134,240	103,546,3
Overhead (15%)					8,161,813	7,370,136	15,531,9
		•				Ci CAL 77/	
			TOTAL COST		62,573,901	56,504,376	119,070,2
lanual routine maintenance of road	Ka	8.0	116,160	7,236	929,280	57,888	787,1
Routine maintenance of asphalt road	` K∎	9.0	307,900	137,100	2,463,200	1,096,800	3,560,0
			Sub Iolai		3,392,490	1,154,688	4,547,1
laintenance of Ti≖ber Bridge (New)	£ 2		7,257	1,120	0	Ú	
laintenance of Concrete Bridge (New)	#2		1,676	2,866	0	0	•
laintenance of Timber Bridge (Exist)	n 2		6,957	2,400	0	0	:
laintenance of Concrete Bridge (Exist)	#2	0.0	3,664	2,413	0		
			Earthwork &	Favement Un	nit Cost (Ko	/ia) :	14,884,7
•		•				/m21 :	
		. •	Concrete			/m2) :	
				Value		Rp) :	12,056,9
				Rate without		X) ;	3,1
					(•	•••

LINK NO : 172 (1118-1) LENGTH : 10 Km

UPGRADE : 9.5m road bed, 4.0m road with surface Dressing (1)

		~~~~~~					скра
LIEN			((( UNIT	COST >>>	(	cccc cost	>>>>>
	UNIT	YTTTHAUG	LOCAL	FORELGN	LOCA		1017
Site Clearance in Light Bush	a2	0.0	144	70	ı	0 0	*
Subgrade Preparation	62	28500.0	18	11	513,00	•	826,50
Hormal Fill	e3	0.0	1,484	857		0 313,300	020130
Fill in Swamp	m3	0.0	2,208	1,047		0 0	
Mormal Excavation to Spoil	a3	240.0	873	520	209,52	-	774 7
Sub Base Course	m3	2844.0	2,813	1,340		•	334,3
Pase Course	<b>=</b> 3	2800.0	3,861	-	8,000,17		11,811,1
Shoulder	62	55000.0	•	2,290	10,810,80		17,222,8
Asphalt Patching			256	115	14,080,00		22,055,0
Surface Dressing (Single)	an 2	0.0	3,077	1,371		0	
	m2		601	595	24,040,00		47,840,0
Surface Oressing (Double)	<b>₽</b> 2	0.0	740	935		0. 0.	
Earth Drain		0.0	721	118		0 0	
arth Drain in Swamp (by machine)	a3	0.0	1,039	472	i	0 9	
ipe Culvert D80cm	ñ	0.0	30,324	48,854	1	0 0	
Masonry Culvert (80x80cm)	A	0.0	51,373	38,938	i	0 0	
Retaining Wall and Wing Wall (Timber)	m2	0.0	11,313	245		0	
Retaining Wall and Wing Wall (Masonry)	e3	0.0	36,883	11,442		0 0	
Babion Protection	<b>3</b>	0.0	24,904	120		0 0	
lew Bridge (Timber)	SET	1.0			3,302,67	·	3,734,1
New Bridge (Concrete)	SET	1.0				0 0	21.1.3.
			Sub Total		60,756,19	5 42,867,692	103,823,8
Overhead (15%)	•				9,143,42	7 6,430,153	15,573,5
			TOTAL COST		70,099,61	3 49,297,845	119,397,4
***************************************	·					¥	
fanual routine maintenance of road	Ka	10.0	116,160	7,236	1,161,60	0 72,360	1,233,9
Routine maintenance of asphalt road	Ka	10.0	307,900	137,100	3,079,00	0 1,371,000	4,450,0
			Sub Total		4,240,50	0 1,443,369	5,583,9
laintenance of Timber Bridge (New)	<b>a</b> 2	24.0	7,257	1,120	174,16	9 26,880	201,0
Maintenance of Concrete Bridge (New)	<b>~</b> 2		1,676	2,965	•	0 . 0	,
Maintenance of Timber Bridge (Exist)	•2	0.0	6,957	2,400		0 0	
laintenance of Concrete Bridge (Exist)	a2		3,664	2,413	131,70		218,7
						~	
			Earthwork &	Pavenent U	Init Cost	(Rp/Ka) :	11,510.3
			liaber	Bridge U	Init Cost	(Rp/#2) ;	178,9
			Concrete	Bridge U	Init Cost	(Rp/a2) :	
			Survived	Value		(Rp)	11,712,3
			Haintenance	Rate withou	t Bridge	(%) ;	4.

KAD : LAMPUNG TENGAH

LINK NO : 169 (111A)

169 (111A) LENGTH : 6 Km :

UPGRADE : 9.0m road bed, 4.5m road with surface Dressing (2)

(Ro)

·						. :	(Rp)
1 I E N			CCC UNIT	cost >>>	<b>{{</b> { <b>(</b> } <b>(</b>	⟨⟨ cost	<b>&gt;&gt;&gt;&gt;&gt;</b>
	TIRU	RUANTITY	LOCAL	FORE IGN	1.OCAL	FOREIGN	TOTAL
			~~~~~~				
ite Clearance in Light Bush	a 2	0.0	. 144	90	0	. 0	
Subgrade Preparation	e2	0.0	18	\mathbf{n}	û	0	
Igraal Fill	ξa	0.0	1,484	859	0	0	
ill in Swamp	n3	0.0	2,208	1,047	. 0	0	
ormal Excavation to Spoil	#3		873	520	549,990	327,600	877,51
ub Pase Course	a3	1130.0	2,813	1,340	3,201,194	1,524,970	4,726,11
ase Course	e 3	1080.0	3,861	2,270	4,169,880	2,473,200	6,643,00
houlder	n2	27000.0	256	145	6,912,000	3,915,000	10,827,00
sphalt Fatching	2	122.0	3,019	1,371	375,638	167,262	542,90
urface Dressing (Single)	#2	13500.0	601	595	8,113,500	8,032,500	16,146,00
urlace Dressing (Double)	n2	13500.0	740	735	7,790,000	12,622,500	22,612,50
arth Drain	8	0.0	721	110	0	0	
arth Brain in Swamp (by machine)	я3	v. 0	1,037	172	0	0	
ine Cutvert D80cs	2	0.0	38,324	48,854	Ô	ů.	
asonry Culvert 180x80cm)		0.0	51,373	38,938	o o	0	
· · · · · · · · · · · · · · · · · · ·	n2	0.0	11,313	245	0	Ô	+ 4
etaining Hall and Hing Hall (Timber) etaining Hall and Hing Hall (Kasonry)	#2 #3	0.0	36,883	11,442	. 0	ů	
	#3 #3	0.0	24,904	120	0	ú	
abion Protection	SEI	1.0	21,101		0	Ó	:
ен Bridge (Timber)	SET	1.0			v n	Ů	
lex Bridge (Concrete)	361	1.0					
			Sub Total		33,312,202	29,062,982	62,375,1
iverhead (15%)				•	4,996,830	4,359,447	9,356,2
			INTAL PORT		38,307,032	33,422,429	71,731,4
			TOTAL COST	11 .1	38,301,032	3314661461	11,13111
anual routine maintenance of road	, Ka	6.0	116,160	1,236	696,760	43,416	740,3
outine maintenance of asphalt road	Ke	6.0	307,900	137,100	1,847,400	822,600	2,670,0
			Sub Total		2,541,360	866,016	3,410,3
aintenance of Timber Bridge (New)	m2	0.0	7,257	1,120	0 :	0	
aintenance of Concrete Bridge (New)	s 2	0.0	1,676	2,866	. 0	0	
aintenance of Timber Bridge (Exist)	R2	0.0	6,957	2,400	0	. 0	
aintenance of Concrete Bridge (Exist)	#5	0.0	3,664	2,413	0	0	
			, , , , , ,			- 114 - 1	11 ACE 7
			Earthwork &			7/f/g) :	11,955,2
			Timber	•	-	p/m21 :	
			Concrete			3/n2) 1	
		•		Value		(Rp) t	5,441,6
			W	n.t : Ill L	0-1.1	4 4 3	
·			Haintenance New Bridge	Rate without		(%) ; (%)	¢.

EAMPUNG.

KAB : LAMPUNG TENGAH

LINK NO

166 (111A) ·

LENGTH : 8 Km

UPGRADE : 7.0m road bed, 4.5m road with surface Dressing (2)

ONIT QUANTITY LOCAL FOREIGN COCAL FOREIGN TOTAL	ITEH			**************************************				
Subgrade Preparation A2 18000.0 18		UNIT	QUARTLTY					/((((iotal
Subgrade Preparation		*******					·	
Subgrade Preparation Ref 18000.0	Site Clearance in Light Bush	a2	0.0	144	20	٨		
Noreal Fill	Subgrade Preparation				-	•	•	522 AN
Fill in Swaap	Normal Fill	m3			_	•	• .	322300
Normal Excavation to Spoil a3 1060.0 873 520 925,380 551,200 1,476,555 Base Course a3 2987.0 2,813 1,340 8,408,657 4,005,760 12,415,355 Base Course a3 2987.0 3,861 2,290 11,117,860 6,595,260 12,415,311 Base Course a3 2080.0 3,861 2,290 11,117,860 6,595,260 12,415,311 Basphalt Patching a2 36000.0 3,861 2,290 11,117,860 5,222,000 Basphalt Patching a2 0.0 3,079 1,371 0 9 Burface Dressing (Bingle) a2 36000.0 740 935 26,640,000 33,660,000 60,300,000 Earth Drain a 2000.0 740 935 26,640,000 33,660,000 60,300,000 Earth Drain in Shaap (by Machine) a3 0.0 1,039 472 Birth Drain in Shaap (by Machine) a3 0.0 1,039 472 Birth Bash (by Machine) a3 0.0 1,039 472 Birth Bash (by Machine) a3 0.0 1,039 472 Birth Bash (by Machine) a3 0.0 1,1313 245 0 0 Birth Bash (by Machine) Birth Bash (by Machine) a3 10.0 31,388 11,442 368,830 114,420 483,22 Babbion Protection Birth Bash (by Machine) Birth Birth Bash (by Machine) Birth Birth Bash (by Machine) Birth Bash (by Machine) Birth Bash (by	fill in Swamp			•			n n	
Sub Base Course ### 2 989.0 2,813 1,340 8,408,05 4,005,760 17,415,415,315 ### 2 3600.0 256 145 7,216,000 5,220,000 14,435,00 ### 2 3600.0 256 145 7,216,000 5,220,000 14,435,00 ### 2 3600.0 256 145 7,216,000 5,220,000 14,435,00 ### 2 3600.0 740 735 26,640,000 33,650,000 60,300,00 ### 2 3600.0 740 735 26,640,000 33,650,000 60,300,00 ### 2 3600.0 740 735 26,640,000 33,650,000 60,300,00 ### 2 3600.0 740 735 26,640,000 33,650,000 60,300,00 ### 2 3600.0 740 735 26,640,000 33,650,000 60,300,00 ### 2 3600.0 740 735 26,640,000 33,650,000 60,300,00 ### 2 3600.0 740 735 26,640,000 33,650,000 60,300,00 ### 2 3600.0 740 735 26,640,000 33,650,000 60,300,00 ### 2 3600.0 740 735 26,640,000 33,650,000 60,300,00 ### 2 3600.0 740 735 26,640,000 33,650,000 60,300,00 ### 2 3600.0 740 735 26,640,000 33,650,000 60,300,00 ### 2 3600.0 740 725 36,440,000 33,650,000 33,650,000 ### 2 3600.0 721 118 3,442,000 236,000 1,678,000 ### 2 3600.0 721 118 3,442,000 33,650,000 ### 2 3600.0 723 31,338 0 0 ### 2 3600.0 723 31,338 0 0 ### 2 3600.0 723 31,338 0 0 ### 2 3600.0 723 31,338 0 0 ### 2 3600.0 723 31,338 0 0 ### 2 3600.0 723 31,442,000 0 ### 2 3600.0 723 31,442,000 33,688,330 114,422 ### 3 3600.0 33,338 0 0 ### 3 3600.0 33,338 0 0 ### 3 3600.0 33,338 0 0 ### 3 3600.0 33,338 0 0 ### 3 3600.0 33,338 0 0 ### 3 3600.0 33,338 0 0 ### 3 3600.0 33,338 0 0 ### 3 3600.0 33,338 0 0 ### 3 3600.0 33,338 0 0 ### 3 3600.0 33,338 0 0 ### 3 3600.0 33,338 0 0 ### 3 3600.0 33,338 0 0 ### 3 3600.0 33,338 0 0 ### 3 3600.0 33,338 0 0 ### 3 3600.0 33,338 0 0 ### 3 3600.0 33,338 0 0 ### 3 3600.0 33,338 0 ### 3 3600.0 30,338 30,000 ### 3 3600.0 30,		_			• •		551 200	
Pase Course n3 2880.0 3,861 2,720 11,117,890 6,575,200 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,85 17,714,	Sub Base Course							
Shoulder	Rase Course							
Asphalt Patching	Shoulder			•	-			
Surface Dressing (Single)	Asohalt Patching							
Surface Dressing (Bouble) n2 38000.0 740 935 26,640,000 33,660,000 60,300,000 621 th Drain n3 2000.0 721 118 1,442,000 236,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,678,000 1,6					•	4		
Earth Brain								
Earth Drain in Swamp (by machine)								
Pipe Culvert 080ca					-			
Hasonry Culvert (80x80cm)						•	-	
Retaining Mall and Wing Mall (Timber)							-	
Retaining Natl and Wing Natl (Hasonry) a3 10.0 35,883 11,442 368,830 114,420 483,22 Gabion Protection 83 0.0 24,904 120 9 0 0 New Bridge (Tieber) SET 1.0 0 0 0 New Bridge (Concrete) SET 1.0 0 0 0 New Bridge (Concrete) SET 1.0 Sub Total S8,443,747 50,589,080 109,024,03 Uverhead (15%) 8,766,592 7,587,012 16,353,61							=	
Gabin Protection m3 0.0 24,904 120 0 0 New Bridge (Tieber) SET 1.0 0 0 New Bridge (Concrete) SET 1.0 0 0 Sub Total 59,443,747 50,580,080 109,024,00 Sub Total 59,743,747 50,580,080 109,024,00 We have a substant routed a substant route of road Km 8.0 116,160 7,236 729,280 57,888 987,1 Manual routine maintenance of road Km 8.0 307,900 137,100 2,463,200 3,096,800 3,580,0 Sub Total 3,392,480 1,546,889 4,547,1 Maintenance of Concrete Bridge (New) m2 0.0 7,257 1,120 0 0 Maintenance of Concrete Bridge (New) m2 0.0 1,676 2,986 0 0 Haintenance of Concrete Bridge (Exist) m2 0.0 3,664 2,413<	· · · · · · · · · · · · · · · · · · ·		-			•	-	
New Bridge (Timber) SET 1.0 0 0 New Bridge (Concrete) SET 1.0 0 0 Sub Total 58,443,747 50,580,080 109,024,03 Overhead (15%) B,766,592 7,587,012 16,353,64 FOLAL COST 67,210,539 58,167,072 125,377,63 Hanual routine maintenance of road Km 8.0 116,160 7,236 729,280 57,888 987,163 Routine maintenance of asphalt road Km 8.0 307,900 137,100 2,463,200 3,096,800 3,560,0 Sub Total 3,392,480 1,154,689 4,547,16 Haintenance of Concrete Bridge (New) m2 0.0 1,676 2,866 0 0 Haintenance of Timber Bridge (Exist) m2 0.0 6,957 2,400 0 0 Haintenance of Concrete Bridge (Exist) m2 0.0 3,664 2,413 0 0 0 Haintenance of Concrete Bridge (Exist) m2 0.0 3,664 2,413 0 0 0 Earthwork & Pavement Unit Cost (Rp/Km) 15,672,271 Timber Bridge Unit Cost (Rp/m2) 15,67					•	•	•	•
SEI 1.0 0 0						-	•	
Sub Total 58,443,747 50,580,080 109,024,03 B,766,592 7,587,012 16,353,61 TOTAL COST 67,210,539 58,167,092 125,377,63 Hanual routine maintenance of road Km 8.0 116,160 7,236 729,280 57,888 987,16 Routine maintenance of asphalt road Km 8.0 307,900 137,100 2,463,200 1,096,800 3,560,0 Sub Total 3,392,480 1,154,689 4,547,16 Haintenance of Concrete Bridge (New) m2 0.0 1,676 2,966 0 0 Haintenance of Timber Bridge (Exist) m2 0.0 6,957 2,400 0 0 Haintenance of Concrete Bridge (Exist) m2 0.0 3,664 2,413 0 0 0 Earthmork & Pavement Unit Cost (Rp/Km) : 15,672,27 Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Survived Value (Rp) : 14,359,37 Haintenance Rate Hithout Bridge (X) : 3,400	7					•	=	
Overhead (15%) B_766,592	New Bridge (Concrete)	SET	1.0			. 0	0	•
### Hanual routine eaintenance of road Km 8.0 116,160 7,236 729,280 57,888 987,1680 7,236 729,280 7,888 987,1680 7,236 729,280 7,888 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,880 7,8				Sub lotal		58,443,747	50,580,080	109,024,02
Hanval routine eaintenance of road Km 8.0 116,160 7,236 729,280 57,888 987,16 Routine maintenance of asphalt road Km 8.0 307,900 137,100 2,463,200 1,096,800 3,560,0 Sub Total 3,392,480 1,154,689 4,547,16 Haintenance of Concrete Bridge (New) m2 0.0 7,257 1,120 0 0 Haintenance of Concrete Bridge (Exist) m2 0.0 1,676 2,866 0 0 Haintenance of Timber Bridge (Exist) m2 0.0 6,957 2,400 0 0 Haintenance of Concrete Bridge (Exist) m2 0.0 3,664 2,413 0 0 0 Earthwork & Pavement Unit Cost (Rp/Km) : 15,872,20 Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Survived Value (Rp) : 14,359,3 Haintenance Rate Hithout Bridge (X) : 3,4	Overhead (15%)					9,766,592	7,587,012	16,353,60
Routine maintenance of asphalt road Km 8.0 307,900 137,100 2,463,200 1,096,800 3,560,0 Sub Total 3,392,480 1,154,689 4,547,154 diaintenance of Timber Bridge (New) m2 0.0 7,257 1,120 0 0 diaintenance of Concrete Bridge (Exist) m2 0.0 1,676 2,866 0 0 diaintenance of Timber Bridge (Exist) m2 0.0 6,957 2,400 0 0 diaintenance of Concrete Bridge (Exist) m2 0.0 3,664 2,413 0 0 0 diaintenance of Concrete Bridge (Exist) m2 0.0 3,664 2,413 0 0 0 diaintenance of Concrete Bridge (Exist) m2 0.0 3,664 2,413 0 0 0 diaintenance of Concrete Bridge (Roj : 15,672,20 Timber Bridge Unit Cost (Roj/m2) : Concrete Bridge Unit Cost (Roj/m2) : Survived Value (Roj : 14,359,3 diaintenance Rate without Bridge (X) : 3.0				TOTAL COST		67,210,539	58,167,092	125,377,6
Routine maintenance of asphalt road Km 8.0 307,900 137,100 2,463,200 1,096,800 3,560,0 Sub Total 3,392,480 1,154,689 4,547,154 diaintenance of Timber Bridge (New) m2 0.0 7,257 1,120 0 0 diaintenance of Concrete Bridge (Exist) m2 0.0 1,676 2,866 0 0 diaintenance of Timber Bridge (Exist) m2 0.0 6,957 2,400 0 0 diaintenance of Concrete Bridge (Exist) m2 0.0 3,664 2,413 0 0 0 diaintenance of Concrete Bridge (Exist) m2 0.0 3,664 2,413 0 0 0 diaintenance of Concrete Bridge (Exist) m2 0.0 3,664 2,413 0 0 0 diaintenance of Concrete Bridge (Roj : 15,672,20 Timber Bridge Unit Cost (Roj/m2) : Concrete Bridge Unit Cost (Roj/m2) : Survived Value (Roj : 14,359,3 diaintenance Rate without Bridge (X) : 3.0					~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~			
Sub Total 3,392,480 1,154,689 4,547,14 Haintenance of Timber Bridge (New) m2 0.0 7,257 1,120 0 0 Haintenance of Concrete Bridge (New) m2 0.0 1,676 2,866 0 0 Haintenance of Timber Bridge (Exist) m2 0.0 6,957 2,400 0 0 Haintenance of Concrete Bridge (Exist) m2 0.0 3,664 2,413 0 0 Earthwork & Pavement Unit Cost (Rp/Km) : 15,672,24 Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Survived Value (Rp) : 14,359,3 Haintenance Rate without Bridge (X) : 3.4	·				•			987,18
Haintenance of Timber Bridge (New)	Routine maintenance of asphalt road	K.R.	8.0		157,100			. ,
### ##################################	Maintenagre of ligher Oridan Illoui		Α Λ		1 326			4,347,10
Haintenance of Timber Bridge (Exist) m2 0.0 6,957 2,400 0 0 Haintenance of Concrete Bridge (Exist) m2 0.0 3,664 2,413 0 9 Earthwork & Pavement Unit Cost (Rp/Km) : 15,672,20 Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Survived Value (Rp) : 14,359,3 Haintenance Rate without Bridge (X) : 3.0	•			•	•	•		
Haintenance of Concrete Bridge (Exist) m2 0.0 3,664 2,413 0 0 Earthwork & Pavement Unit Cost (Rp/Km) : 15,672,20 Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Survived Value (Rp1 : 14,359,3 Haintenance Rate without Bridge (X) : 3.0	_			•	-		•	
Earthwork & Pavement Unit Cost (Rp/Km) : 15,672,20 Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Survived Value (Rp1 : 14,359,3 Haintenance Rate without Bridge (X) : 3.0				-			•	
Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Survived Value (Rp1 : 14,359,3 Maintenance Rate without Bridge (X) : 3.0	istincerance or concrete or roge sexists	P.C.		3,001	2,112	·····	,	
Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Survived Value (Rp1 : 14,359,3 Maintenance Rate without Bridge (%) : 3.0				Farthwork L	Payeagn) Iloi	t Cast 18a	/Ya)	15,177.0
Concrete Bridge Unit Cost (Rp/m2) : Survived Value (Rp1 : 14,359,3 Maintenance Rate without Bridge (%) : 3.0								10101616
Survived Value (Rp1 : 14,359,3 Maintenance Rate mithout Bridge (%) : 3.0					-			
Maintenance Rate Hithout Bridge (%) : 3.						•		14 750 7
							•	
						-		9.0

TUNK MO : 199 (LITE-1) LENGTH : 4 Km

UPGRADE : 11.5m road bed, 4.0m road with surface Dressing (t)

							(60)
LTEN			(((UNII			((((C0ST	>>>>>
	TINU	QUANTITY	LOCAL	FOREIGN	LOCAL	FOREIGN	TOTAL
						-,	
Site Clearance in Light Bush	m2	0.0	144	90	. 0	0	C
Subgrade Preparation	#2	46000.0	18	11	828,000	506,000	1,334,000
leraal Fill	83	0.0	1,484	859	0		
ill in Swamp	. 43	0.0	2,208	1,047	0	0	(
Mormal Excavation to Spoil	a 3	144.0	873	520	125,712	74,880	200,597
Sub Base Course	a3	2240.0	2,813	1,340	6,301,120		9,302,720
Pase Course	n3	1120.0	3,861	2,270	4,324,320		6,887,12
Shoulder	#2	30000.0	256	145	7,680,000		12,030,00
	e2	0.0	3,079	1,371	1,000,000		12/000/00
Asphalt Patching	8 2	16000.0	601	595	. · · · · · · · · · · · · · · · · · · ·		19,136,00
Surface Dressing (Single)	m2	0.0	740	935	9,616,000	1,120,1444	11/190100
Surface Dressing (Bouble)			721	118	. 0	0	·
arth Drain		0.0				-	
earth Orain in Swamp (by machine)	£3	0.0	1,037	. 472	0	_	
Pipe Culvert DBOcm	g,	0.0	38,324	48,854	0	-	
lasonry Culvert (80x80c#)	Q	0.0	51,373	39,738	0		
Retaining Hall and Hing Hall (limber)	e2	0.0	11,313	245	0	Q	
etaining Hall and Hing Hall (Masonry)	Esa Can	. 0.0	36,883	11,442	.0	.0	
abion Protection	· 93	0.0	24,9(14	170	0	0	1. *1.
lew Bridge (limber)	SET	1.0			0	0	
Rew Bridge (Concrete)	SET	1.0	, 		0	0	100
		*	Sub Total	•	28,875,152	20,017,280	48,892,43
lverhead (15%)					4,331,272	3,002,592	7,333,86
· ·			TOTAL COST		33,206,424	23,017,872	56,226,25
anual routine maintenance of road	¥.a	4.0	116,160	7,236	464,640	20,944	493,58
outine maintenance of asphalt road	Ka	4.0	307,900	137,100	1,231,600		1,780,00
Outting agentiquence or estimate toan	r.e.		Sub Total	107,100	1,696,240		2,273,50
sistence of Tinhan Dailon (Moul	n2	0.0	7,257	1,120	1,070,239	•	2,279,00
aintenance of Timber Bridge (Hen)			•		0		
aintenance of Concrete Bridge (New)	. #2		1,676	2,866			
aintenance of limber Bridge (Exist)	#2 **	0.0	6,957	2,400	.0		
	* 2	0.0	3,664	2,413	· . · V	' '	
aintenance of Concrete Bridge (Exist)							
aintenance of Concrete Bridge (Exist)			·				
aintenance of Concrete Bridge (Exist)			Carthuart L	Faucaont He	nit fact	Ro/Va)	14.054.5
aintenance of Concrete Bridge (Exist)				Favement U		Rp/Ke) :	14,056,5
aintenance of Concrete Bridge (Exist)			limber	Bridge U	nit Cast	Rp/a21 :	14,056,5
laintenance of Concrete Bridge (Exist)	· ·		Timber Concrete	Bridge Un Bridge Un	nit Cast	Rp/m21 : Rp/m2) :	
faintenance of Concrete Bridge (Exist)	· 		Timber Concrete Survived	Bridge U	nit Cost (nit Cost (Rp/a21 :	14,056,57 7,889,72

LAMPUNG

KAB : LAMPUNG TENGAH

OF MED

149 (1110-2)

LEMOTH :

UFGRADE

8.5m road bed, 3.5m road with surface Base Cource (Rp) TEH <<< UNIT COST >>> **//////** 0051 333333 UNIT QUARTITY LOCAL FOREIGN LOCAL FOREIGN Site Clearance in Light Bush 27 0.0 144 90 Subgrade Freparation **#**2 0.019 11 ò ۵ Normal Fill **a**3 0.0 1.484 859 Fill in Swamp м3 0.02,208 1,047 Normal Excavation to Spoil 0.0 873 520 0 Sub Base Course ъ3 120.B 2,813 1,340 339,810 161,872 501,682 Base Course **a**3 210.0 3,861 2,290 810,810 480,900 1,291,710 Shoul der 42 15000.0 3,840,000 2,175,000 256 145 6,015,000 Asphalt Patching ĸ2 104.0 3,079 1,371 320,216 142,584 462,800 Surface Dressing (Single) m2 0.0 601 595 0 Surface Dressing (Double) 0.0 740 935 0 Earth Drain 721 118 Earth Drain in Swamp (by machine) **6.3** 1,039 0.0 472 Pipe Culvert D80cm 38,324 48,054 0.0 Masonry Culvert (80x80cm) 0.0 51,373 38,938 Retaining Wall and Wing Wall (Timber) 11,313 m2 0.0 245 Retaining Wall and Wing Wall (Masonry) **a**.3 0.0 36,883 11,442 Gabion Protection яЗ 0.0 24,904 120 New Bridge (Timber) SET 1.9 Hew Bridge (Concrete) SET 5,310,836 2,960,356 8,271,192 Sub Total Overhead (15%) 796,625 444,053 1,240,678 TOTAL COST 6.107.461 3,404,409 9,511,870 Hanual routine maintenance of road Ka. 3.0 116,160 7,236 349,490 21,708 370,188 Routine maintenance of gravel road 168,711 87,777 506,133 263,331 769,464 Sub Total 854,613 285,039 1,139,652 Maintenance of Timber Bridge (New) 7,257 1,120 Maintenance of Concrete Bridge (New) 0.01,676 2,866 0 0 0 Haintenance of Timber Bridge (Exist) 7,400 0 Ó 0 в7 0.0 6,957 Maintenance of Concrete Bridge (Exist) 3,664 2,413 287,257 189,177 78.4 (Rp/Kn) 3,170,624 Earthwork & Pavement Unit Cost Bridge Unit Cost (Rp/m2) limber Concrete Br i dge Unit Cost (Rp/a2) 250,841 Survived Value (Rp) Naintenance Rate without Bridge (%) 11.98 Hew Pridge Cost Rate (%)

: LAMPUNG

KAD : LAMPUNG TEMBAH

LIME NO :

142 (1110-1)

LENGTH : 5 Km

UPGRADE : 9.0m road bed, 3.5m road with surface Dressing (1)

IIEH				COST (>>>	(((<<< cost	>>>>>
	11MU	BUANTLTY	I,OCAL	FOREIGN	LOCAL	FOREIGN	IOIA
Sile Clause in 1241 Aug	_						
Site Clearance in Light Bush	n2	0.0	144	90	. 0	0	
Subgrade Preparation Morest Fill	a 2	18000.0	18	. 11	324,000	178,000	522,000
Normal Fill	គវិ	0.0	1,484	859	0	0	. (
Fill in Smamp	∍สรั	0.0	2,208	L,047	0	.: 0	
Hor≢al Excavation to Spoil Sub Base Course	a3	52.0	873	520	45,396	27,040	72,43
Base Course	.e3.	1331.8	2,813	1,340	3,746,353	1,784,612	5,530,965
	. a 3	1225.0	3,861	2,290	4,729,725	2,805,250	7,534,975
Shoulder	e 2	27500.0	256	145	7,040,000	3,987,500	11,027,500
Isphalt Patching	# ?	0.0	3,079	1,371	0	0	
Surface Dressing (Single)	a 2	17500.0	901	595	10,517,500	10,412,500	20,930,000
Surface Dressing (Double)	42	0.0	740	935	. 0	0	0
arth Drain	R	0.0	721	118	0	0	0
arth Drain in Swamp (by machine)	вЗ	0.0	1,039	472	0	0	0
ipe Culvert D80cm	n	0.0	38,324	48,854	0	. 0	Ç
Hasonry Culvert (80x80cm)	8	0.0	51,373	38,938	. 0	. 0	
Retaining Wall and Wing Wall (Timber)	# 2	0.0	11,313	245	, Ø	. (1	
Retaining Hall and Wing Hall (Hasonry)	m3	0.0	36,993	11,442	0	0	(
Gabion Protection	93	0.0	24,904	120	0	. 0	
New Bridge (Timber)	SET	1.0			0	. 0	. (
New Bridge (Concrete)	SET	1.0			0	0	
			Sub Total		26,402,974	19,214,902	45,617,87
Overhead (15%)					3,960,446	2,882,235	6,842,68
			TOTAL COST		30,363,420	22,097,137	52,460,55
Manual routine maintenance of road	- Ka	5.0	116,160	7,236	580,800	36,180	616,78
Routine maintenance of asphalt road	Ka	5.0	307,900	137,100	1,539,500	685,500	2,225,00
			Sub Total		2,120,300	721,680	2,841,98
Haintenance of Timber Bridge (New)	s 2	0.0	7,257	1,170	0	û	
Haintenance of Concrete Bridge (Hew)	# 2	0.0	1,676	2,866	0	. 0	
Maintenance of Timber Bridge (Exist)	\$?	0.0	6,957	2,400	0	Ó	
Haintenance of Concrete Bridge (Exist)	#2	0.0	3,664	2,413	0	. 0	
			Earthwork &	Pavesent U	nit Cost ()	Rp/la) ;	10,492,11
		-	Earthwork b Timber			Rp/1.e) ; Rp/m21 :	10,492,11
		÷		Bridge U	nit Cost (1	•	10,492,11
			limber	Bridge U	nit Cost (1	Rp/m21 :	10,492,11 5,378,87
		·	limber Concrete	Bridge Un Bridge Un Value	nit Cost (I nit Cost (I	Rp/m21 :	

EROV

LAMPUNG

KAB:

LAMPUNG TENGAH

LINK NO

(AIII) 401

LENGTH : 4 Km

UPGRADE : 9.0m road bed, 4.5m road with surface Dressing (2)

(Rp) TIEN <<< UNIT COST >>> **>>>>>** UNII QUANTITY LOCAL FOREIGN LOCAL FORELON TOTAL Site Clearance in Light Bush 0.0 144 90 Subgrade Preparation **s**2 18 11 Hormal Fill н3 0.0 1,484 857 Fill in Swamp n3 2,208 0.0 1,047 Normal Excavation to Spoil вJ 560.0 673 488,880 570 291,200 Sub Base Course вŝ 1165.5 2,813 3,270,551 1,340 1,561,770 4,840,321 Rase Course 03 1440.0 3,297,600 3,861 2,290 5,559,840 8,857,440 Shoul der 18000.0 256 145 4,608,000 2,610,000 7,218,000 Asphalt Patching 32 0.0 3,079 1,371 Surface Dressing (Single) **5**2 0.0 601 595 Surface Dressing (Double) 18000.0 740 935 16,830,000 13,320,000 30,150,000 Farth Drain 0.0 721 118 Earth Drain in Swamp (by machine) -3 0.0 1,039 472 Pipe Culvert N80ce 0.038,324 48,854 Masonry Culvert (80x80cm) 0.0 51,373 38,938 Retaining Wall and Wing Wall (Timber) **#**2 11,313 0.0 245 Retaining Wall and Wing Wall (Masonry) ξa 36,883 0.0 11,442 Gabion Protection аЗ 0.0 24,904 120 New Bridge (limber) SET 1.0 --New Bridge (Concrete) SET 1.0 Sub Total 27,255,271 24,590,570 51,845,841 Over head (157.) 4,088,290 3,698,585 7,776,875 TOTAL COST 31,343,561 28,279,155 57,622,716 7,236 Manual routine maintenance of road l e 4.0 116,160 464,640 28.944 493,584 Routine maintenance of asphalt road 4.0 307,900 137,100 1,231,600 1,780,000 54B,400 2,273,584 Sub Total 1,676,240 577,344 •2 Haintenance of limber Bridge (New) 0.0 7,257 1,120 O 0 Maintenance of Concrete Bridge (New) m2 0.0 1,676 2.866 Ą ٥ Haintenance of Timber Bridge (Exist) •2 0.0 6,957 2,400 0 3,664 Maintenance of Concrete Bridge (Exist) 2,413 62 0.0 Earthwork & Pavement Unit Cost (Rp/Ka) 14,905,679 Timber Bridge Unit Cost (Rp/#2) Concrete Bridge Unit Cost (Rp/e2) ; Survived Value (Rp) 6,086,616 Kaintenance Rate without Bridge (%) 3.01 New Bridge Cost Rate (7,1

LAMPUNG

KAB : LAMPUNG TENGAH

LINC NO :

104 (1118-1) LENGTH : 7 Km

UPGRADE : 9.5m road bed, 4.0m road with surface Dressing (1)

							(Rp)
ITER			CCC UNIT	cost >>>	(((((COST	>>>>>
	UNIT	QUANTITY	LOCAL	FOREIGN	LOCAL	FOREIGN	TOTAL
		•	-				
lite Clearance in Light Bush	a 2	0.0	144	- 90	ŋ	0	
ubgrade Preparation	m 2	66500.0	19	: 11	1,197,000	731,500	1,928,50
ormal Fill	п3	0.0	1,484	859	.0	Û	
ill in Swamp	m3	0.0	2,208	1,047	. 0	0	
ormal Excavation to Spoil	#3	749.0	873	520	653,004	388,960	1,041,98
ub Pase Course	. a 3	3920.0	2,813	1,340	11,026,960	5,252,000	16,279,70
ase Course	#3	1960.0	3,861	2,290	7,567,560	4,498,400	12,055,70
hnulder	a2	38500.0	756	145	9,856,000	5,582,500	15,438,50
sphalt Patching	e2	0.0	3,079	1,371	0	. 0	
urface Dressing (Single)	# 2	28000.0	601	595	16,828,000	16,660,000	33,488,0
urlace Dressing (Double)	#2	0.0	740	935	0	0	
arth Drain		0.0	721	118	0	0	
arth Drain in Swamp (by machine)	#3 #3	0.0	1,039	472	0	ò	
		0.0	38,324	48,054	n	ů	
ipe Culvert DBOcs	A			38,738	Ŏ	0	
asonry Culvert (80x80cm)	8	0.0	51,373	•	-	. 0	
etaining Wall and Wing Wall (Timber)	s 2	0.0	11,313	245	. 0	, Q	•
etaining Hall and Wing Hall (Masonry)		0.0	36,883	11,442	0	Ų	
abion Protection	m3	0.0	24,904	120	0	Ų	
en Bridge (limber)	SET	1.0	·		0	0	
en Bridge (Concrete)	SEI	1.0	-,-		0	(I	
			Sub Total		47,128,524	33,104,160	80,232,6
verhead (15%)					7,069,218	4,965,624	12,034,9
			TOTAL COST		54,177,802	38,069,784	92,267,5
anual routine maintenance of road	Ka	7.0	116,160	7,236	813,120	50,452	863.7
outine maintenance of asphalt road	Kμ	7.0	307,900	137,100	2,155,300	959,700	3,115,0
,			Sub Total		2,968,420	1,010,352	3,978,7
aintenance of Timber Bridge (New)	a2	0.0	7,251	1,170	0	0	
aintenance of Concrete Bridge (New)	92	0.0	1,676	2,856	0	0	
aintenance of Timber Bridge (Exist)	#2	0.0	6,957	2,400	0	0	
aintenance of Concrete Bridge (Exist)	a 2	0.0	3,664	2,413	0	0	
					, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	*	
		•	Earthwork &		nit Cost (Rp/		[3,181,0
			Timber		iit Cost (Rp/		
		•	Concrete		iit Cost (Rp/		
			Survived	Value		ip) :	13,807,0
				Rate mithoul		9 ;	4.
			New Bridge	Cost Rate	0	:	

KAB : LAMPUNG TENGAH

LINK NO : 138 (1118-1) - LENGTH : 3 Km

UPGRADE : 9.0m road bed, 4.0m road with surface Dressing (1)

1154			(((HH)	T COST >>	3	unn	COST	iiiii
	1160	QUANTLTY	LOCAL	FORELON			FOREIGN	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
								**
Site Clearance in Light Bush	a 2	0.0	144	90		0	Ŋ.	. 4
Subgrade Preparation	m2	27000.0	18	11			297,000	783,000
Normal Fill	a3	0.0	1,484	859		0	11111111	102106
Fill in Swamp	#3	0.0	2,208	1,047		Ŏ	0	
Normal Excavation to Spoil	£a.	80.0	873	520		•	41,600	111,44
Sub Base Course	m 3	1680.0	2,813	1,340			2,251,200	6,977,04
Pase Course	n3	840.0	3,861	2,270			1,723,600	5,166,84
Shoulder	n2	15000.0	256	145			2,175,000	6,015,00
Asphalt Fatching	62	0.0	3,079	1,371	, ,	0	0 (01414146
Surface Dressing (Single)	92	12000.0	104	595		•	7,140,000	
Surface Dressing (Double)	B2	0.0	740	935		0	0 (140)	14,352,00
Earth Drain		0.0	721	118		0	0	
Earth Drain in Swamp (by machine)	a3	0.0	1,039	472		0		
Fipe Culvert DBOca	E	0.0				0	9	(
Masonry Culvert 180x80cm)	A	0.0	38,324	(49,854		0	0	1
Retaining Wall and Wing Wall (Timber)	P 2		51,373	38,938		0	. 0	. 1
Retaining Wall and Wing Wall (Masonry)	nZ n3	0.0	11,313	245		V	0	
Gabion Protection	-	0.0	36,993	11,442		0	V	
	e3 cer	0.0	24,904	120	!	0	0	
New Bridge (Timber)	SET	1.0				0	0	
New Bridge (Concrete)	SET	1.0				Ú	0	
			Sub lotal		19,576,9	120 1	3,828,400	33,405,32
Overhead (15%)					2,936,5	i38 :	2,074,260	5,010,79
			TOTAL COST		22,513,4	158 1	5,902,660	38,416,11
	+							
Hanual routine maintenance of road	Ka	3.0	116,160	7,236	348,4	180	21,700	370,19
Routine maintenance of asphalt road	Ke	3.0	307,900	137,100	923,7	100	411,300	1,335,00
			Sub İotal		1,272,1	90	433,008	1,705,18
Haintenance of Timber Bridge (New)	æ?	0.0	7,257	1,120	-	0	(ı	
Haintenance of Concrete Bridge (Hew)	e2	0.0	1,676	2,866		Ç	. 0	
Naintenance of Timber Bridge (Exist)	n?	0.0	6,957	2,400		0	()	
Haintenance of Concrete Bridge (Exist)	n 2	0.0	3,664	2,413		. 0	0	
								
			Earthwork &		Unit Cost	(Rp/En)		12,805,37
				-	Unit Cost	(Rp/#2)		
			Concrete		Unit Cast	(Rp/#2)	:	
				Value		(Rp)	:	5,917,29
			Maintenance	Rate withou	ut Bridge	(%)	:	4.4
			New Bridge	Cacl Dala		{2}}	:	

PROV :

LAMPUNG

KAB : LAMPUNG TENGAH

LINK NO :

130 (11tB-1) LENGTH : 4 Km

: 9.5m road bed, 4.0m road with surface Dressing (1) UPGRADE

ITEN	UNET	QUANTITY	<<< unit	COST >>> FOREIGN	(((((LOCA L	COST FORE IGN	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
		*****				*******	
Site Clearance in Light Bush	m 2	0.0	144	90	0	0	
Subgrade Preparation	m 2	0.0	18	11	Ó.	. 6	
Normal Fill	a3	0.0	1,484	859	ò	Ó	
Fill in Swamp	a 3	0.0	2,208	1,047	0	Õ	
Vormat Excavation to Spoil	e3	0.0	873	520	ů	Ĝ	
Sub Base Course	n3	692.0	2,813	1,340	1,946,596	927,280	2,873,87
Base Course	a 3	1120.0	3,861	2,290	1,321,320	2,564,800	6,889,13
Shoulder	a?	22000.0	256	145	5,632,000	3,170,000	8,822,00
Asphalt Fatching	n?	0.0	3,077	1,371	0	0,117,1000	alorrie
Surface Dressing (Single)	#2	0.00021	100	595	000,313,9	9,520,000	19,136,00
Surface Dressing (Double)	æ2	0.0	740	935	7,010,000	1,020,000	111100100
Farth Drain	8	0.0	721	118	ő	6	
Earth Drain in Swamp (by machine)	a3	0.0	1,037	472	0	0	
tarin urain in swamp iny machiner Pipe Culvert DAOcom					, v		
· · · · · · · · · · · · · · · · · · ·	3	0.0	39,324	48,954	ų ,	Ų	
Hasonry Culvert (80x80cm)	ŧ.	0.0	51,373	38,938	Ů	0	
Retaining Wall and Wing Wall (Timber)	#2	0.0	11,313	245	0	ų.	
Retaining Wall and Wing Wall (Masonry)	6 3	0.0	36,883	11,442	0	0	
Gabion Protection	. a3	0.0	24,904	120	0	0	
Hen Bridge (Timber)	SET	1.0			0	0	
Ken Bridge (Concrete)	SET	1.0			. 0	0	
			Sub Total		21,518,916	16,202,080	37,720,95
Overhead (15%)					3,227,837	2,430,312	5,658,14
			TOTAL COST		24,746,753	18,632,392	43,379,14
			:				
fanual routine maintenance of road	Ka	4.0	116,160	7,236	464,640	28,744	493,5
Routine maintenance of asphalt road	Kø	4.0	307,900	137,100	1,231,600	548,400	1,789,0
			Sub Total		1,696,240	511,344	2,273,5
laintenance of limber Bridge (New)	m2	0.0	7,251	1,120	0	0	
laintenance of Concrete Bridge (Hew)	a2	0.0	1,676	2,866	0 .	0	
laintenance of Timber Bridge (Exist)	•2	0,0	6,757	2,400	, 0 ,	0	
laintenance of Concrete Bridge (Exist)	e Z	34.3	3,664	2,413	125,675	82,765	209,4
***************************************		·			######################################		
			Earthwork &		t Cast (Rp/k		10,844,7
			li≇ber C	•	t Cost Rp/a		
•			Concrete	,	t Cost (Rp/e		7 780 5
				Value	(Rg		3,389,5
				Rate without			5.7
			Hex Bridge	Cost Hate	(%)	1	

1.1NK NO : 125 (1116-1) LENGTH : 6 Km

UPGRADE : 9.0m road bed, 3.5m road with surface Dressing (1)

							(Rp)
FIEH The state of the state of	UNIT	QUANTITY	(((UNIT	COST >>> FOREIGN	\(\(\(\)	CUST FURELON	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
***************************************				************	****		
Site Clearance in Light Bush	. #2	0.0					
Subgrade Preparation	n2		. 144	90	0	0	0
Noreal Fill	4.2	45000.0	10	li Tra	810,000	495,000	1,305,000
Fill in Swamp	#3	0.0	1,484	857	0	0	(
Normal Excavation to Spoil	a3	0.0	2,208	1,047	0	0	
Sub Base Course		497.0	873	520	433,881	258,440	692,32
Base Course	m3	2450.0	2,813	1,340	6,891,850	3,203,000	10,174,85
Shaulder	83	1225.0	3,861	2,270	4,727,725	2,805,250	7,534,975
Asphalt Fatching	6 2	33000.0	256	145	0,440,000	4,785,000	13,233,000
	a2	22.0	3,079	1,371	67,738	30,162	97,700
Surface Dressing (Single)	#2	21000.0	901	595	12,621,000	12,495,000	25,116,000
Surface Dressing (Double)	e 2	0.0	740	935	0	0	(
arth Drain	#	0.0.	721	118	0	0	
Earth Drain in Swamp (by machine)	W?	0.0	1,039	472	0	. 0	
Fipe Culvert D8Oca	5	0.0	30,324	40,054	. 0	()	
Hasonry Culvert (80x80cm)	6	0.0	51,373	30,739	0	. 0	
Retaining Hall and Hing Hall (Timber)	m2	0.0	11,313	245	(i	0	
Retaining Wall and Wing Wall (Masonry)	n3	0.0	36,883	11,442	0	. 0	
Sahion Protection	m3	0.0	24,904	120	0	0	*
New Bridge (limber)	SET	1.0	,		3,537,902	451,768	3,989,87
New Bridge (Concrete)	SEI	1.0			0	0	1,11,11
			Sub Total		37,540,096	24,603,820	62,143,91
Overhead (15%)					5,631,014	3,690,573	9,321,58
			TOTAL COST		43,171,110	28,294,393	71,465,50
Manual routine maintenance of road	Ka	6.0	116,160	7,236	676,760	43,416	740,37
Routine maintenance of asphalt road	Kn.		307,900	137,100	1,847,400	822,800	2,670,00
and the second s			Sub Total		2,544,360	866,016	3,410,37
Naintenance of Timber Bridge (New)	m 2	29.0	7,257	1,120	203,196	31,360	234,55
Maintenance of Concrete Bridge (New)	a2		1,676	2,866	0	0.1503	201100
Haintenance of Timber Bridge (Exist)	m?		6,957	2,400	0	0	
Haintenance of Concrete Pridge (Exist)	#2.		3,864	2,413	0	. 0	
miniculate of concrete effore textor	e: t	V:V	9 100 1	ATTIS		·	
·							
			Earthwork &		•	Kn) :	11,146,19
•						(n2) :	163,87
			Concrete	Bridge Un	it Cost (Rp/	'#21 :	
			Sur vi ved	Value	(F	tp) :	8,629,39
			Naintenance	Rate without	. Bridge ()	9 :	5.1
•			Hen Bridge	Cost Rate	()	9 :	6.4

LINK NO : 123 (IIIA) LENGTH : 6 Km

UPGRADE : 12.0m road bed, 9.0m road with surface Dressing (2)

						·	(Rp)
11 E H			(((UNIT	COST >>>	((((((COST	>>>>>
	11160	QUANTLYY	LOCAL	FORE LGN	LOCAL	FOREIGN	ATOY
							,mipuape
ite Clearance in Light Bush	e2	6000.0	144	90	864,000	540,000	1,404,00
inborade Preparation	m2	72000.0	18	ii	1,296,000	-	2,088,00
oreal Fill	ครั	0.0	1,484	859	0	•	21000100
ill in Swamp	m3	0.0	2,208	1,047	o	0	
ormal Excavation to Spoil	a 3	1398.0	873	520	1,211,724	•	1,933,40
nb Base Course	a 3	7560.0	2,813	1,340	21,766,280		31,396,6
ase Course	a3	4320.0	3,861	2,290	16,679,520		26,572,3
haulder:	n2	18000.0	258	145	4,608,000		7,218,0
sphalt Patching	a2		3,079	1,371	1,000,000		1121010
erface Dressing (Single)	m2	0.0	601	595	0		
urface Dressing (Double)	m2	54000.0	740	735	39,760,000	-	90,450,0
arth Drain	97.Z	1.00	721	118	0.11001000		10112010
	#3	0.0	1,037	472	. ()	•	
arth Drain in Swapp (by machine)					0		
ipe Culvert 880cm		0.0	38,324	48,854	. 0	-	
asonry Culvert (80x80ca)	-3	0.0	51,373	38,938	0		•
etaining Hall and Wing Hall (Timber)	m2	0.0	11,313	245	Ī	•	
etaining Wall and Wing Wall (Masonry)	e3		36,883	11,442	0	•	
abion Protection	e3	0.0	24,964	120	-	•	•
ен Bridge (Timber)	SET	1.0			0	0	
ew Bridge (Concrete)	SET	1.0	-		V	٧	
		• .	Sub Total		85,885,524	75,176,760	161,062,4
verhead (15%)					12,882,829	11,276,544	24,159,3
			TOTAL COST		98,769,352	86,453,504	185,221,8
	~				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
nual routine maintenance of road	Ka	6.0	116,169	1,236	676,760	43,416	740,3
outine maintenance of asphalt road	Kn		307,900	137,100	1,847,400		2,670,0
orine agricements of ashight tons		517	Sub Total		2,514,360		3,410,3
aintenance of limber Bridge (New)	m 2	0.0	7,257	.1,120	9		
sintenance of Concrete Bridge (New)	#2		1,676	2,856	0	g	
aintenance of Timber Bridge (Exist)	5 2		6,957	2,400	0		
sintenance of Concrete Bridge (Exist)	a 2		3,664	2,413	125,675		208,4
	:				•	• .	,
	******				:		
		. •	Earthwork &			Rp/Ka)	30,870,3
			li≉ber	•		Rp/m21 :	•
			Concrete		nit Cost 1	Rp/m21 :	
			Survived	Value .		(Rp) :	31,760,4
	•			Rate withou	t Bridge	(X) :	· L
•			New Bridge	Cost Rate		(7.)	

: LAMPUNG

KAB : LAMPUNG TENBAH

LINK NÓ :

114 (111B-2) LENGTH : 4 Km

UPBRADE : 6.5m road bed, 3.5m road with surface Base Cource

			•••••				(Rp)
LTEK	Huer	QUANTITY	(((UNI		:\\\\))))))
		ROMBILL	LOCAL	FORE LGN	LOCAL	FOREIGN	ATOT
Set Olimpia to tente por							
Site Clearance in Light Bush	a 2	8000.0	144	90	1,152,000	720,000	1,872,00
Subgrade Preparation	s 2	26000.0	18	1]	469,000	206,000	754.00
lormal Fill	a 3	0.0	1,484	859	. 0	0	
ill in Swamp	m3	0.0	2,209	1,047	Ō.	0	
lornal Excavation to Spail	#3	142.0	873	520	123,966	73,840	197,8
lub Base Course	a3	1960.0	2,813	1,340	5,513,480	2,626,400	9,137,8
ase Course	83	840.0	3,861	2,270	3,243,240	1,923,600	
houlder	m2	12000.0	256	145	3,072,000	1,740,000	4,812,00
sphalt fatching	∌ 2	0.0	3,079	1,371	0	0	1101210
Surface Dressing (Single)	a2	0.0	601	595	ò	(·	
urlace Dressing (Double)	97	0.0	740	935	Õ	0	
arth Drain		0.0	721	118	0	0	•
arth Brain in Swamp (by machine)	#3	010	1,037	472	Ó	0	
ipe Culvert DBOcm	R.	0.0	38,324	49,854	0	. 0	1.
asonry Culvert (80x80cm)		0.0	51,373	38,738	0	9	
etaining Hall and Hing Hall (Timber)	n2	0.0	11,313	30, 730 745	0	· ·	
etaining Wall and Wing Wall (Masonry)	a3	0.0	•		. U	. 0	
abion Protection			36,883	11,447	•	0	
	#3 cct	0.0	24,904	120	0	0	
lew Bridge (finber) lew Bridge (Concrete)	SET SET	1.0 1.0			0	()	
	921		Sub Fotal		13,572,686	7,369,840	20,942,5
verhead (15%)					2,035,902	1,105,476	3,141,3
			70741 0007		,		
			TOTAL COST		15,608,588	8,475,316	24,083,9
anual routine maintenance of road	Ka	4.0	116,160	7,236	464,640	28,944	493,5
outine maintenance of gravel road	Ka	4.0	168,711	87,777	674,844	351,108	1,075,9
The state of the s			Sub Total		1,139,484	380,052	1,519,5
aintenance of limber Bridge (New)	n2	0.0	7,257	1,120	0	0	
aintenance of Concrete Bridge (New)	a 2	0.0	1,676	2,866	0	Ò	
aintenance of Timber Bridge (Exist)	m2	0.0	6,957	2,400	Ð	. 0	
aintenance of Concrete Bridge (Exist)	62	0.0	3,664	2,413	. 0	0	÷
				4			·
			Carthunel 1	Pavement Uni	t Cost (Rp/K	a l .	£ 020 B
							6,020,9
			Jimber C		t Cost (Rp/n		•
				•	t Cost (Rp/m		AJm. w
			Survived	Value	(Rp		4,069,9
·				Rate without I			6.3
			Hen Bridge	FORE RATE	(X)	:	
					•		

LINK NO : 112 (TITE-1) LENGTH : 6 Km $\,$

UPGRADE : 7.0m road bed, 3.5m road with surface Dressing (1)

		/// //utt	COOT '		214 0055	11111
UNIT	QUANTITY	FOCAL	FOREIGN	LOCAL	ROLENOS	>>>>> Total
2 2			90	0	0	.0
*2		and the second second		0	0	()
n3				0	0	0
яЗ				0	0	0
ล3	0.0	873			0	0
m3	977.8		1,340	2,525,511	1,203,052	3,728,563
a3	1470.0	3,861	2,290			9,041,970
m2	21000.0		145	5,376,000	3,045,000	8,421,000
m2	0.0	3,079	1,371	0	. 0	0
a 2	21000.0	601	,595	12,621,000	12,495,000	25,116,000
#2	0.0	740	935	. 0	0.	0
. 8	0.0	721	118	. 0	0	. (
£3	0.0	1,039	172	0	. 0	
B	0.0	38,324	48,854	0	0	
R	0.0	51,373	38,939	0	. 0	
E2	0.0	11,313	. 245		0	(
я3	0.0	36,883	11,442	0	Ó.	. (
m3	0.0	24,904	120	0	Ú	(
SET	1.0			0	Û	. : (
SET	1.0	<u></u>		. ()	0	
		Sub Total		26,198,181	20,107,352	46,307,53
				3,929,727	3,016,402	6,946,125
	·	TOTAL COST		30,127,908	23,125,754	53,253,667
			2 021	har ar		734 77
						740,37
Ke	6.0		137,100			2,670,00
			1 154		•	3,410,37
		-				• ,
					- I	
						593,39
a2	76.0	3,664	(1113	331,744	521 48.8	103131
		- 18 1 4	D	n.: t p t /	D= /k=1	8,875,61
		A company of the comp				01012191
		Concrete		Unit Cost (Rp/#2) ;	4,410,38
	÷	Survived Maintenance	Value		(Rp) :	6.40
	#2 #2 #3 #3 #3 #3 #3 #2 #2 #2 #3 #3 #3 \$5ET	#2 0.0 #3 0.0 #3 0.0 #3 897.8 #3 1470.0 #2 21000.0 #2 0.0 #3 0.0 #3 0.0 #3 0.0 #3 0.0 #3 0.0 #3 0.0 #5 0.0 #5 1.0 #6 0.0 #7 0.0 #7 0.0 #7 0.0 #7 0.0 #7 0.0 #7 0.0 #7 0.0 #7 0.0 #7 0.0 #7 0.0 #7 0.0 #7 0.0 #7 0.0 #7 0.0 #7 0.0	UNIT QUANTITY LOCAL 22 0.0 144 22 0.0 18 23 0.0 1,484 23 0.0 2,208 23 0.0 873 23 977.8 2,813 23 1470.0 3,881 22 21000.0 258 22 0.0 3,079 22 21000.0 601 20 0.0 740 20 0.0 721 23 0.0 1,039 20 0.0 38,324 20 0.0 38,324 20 0.0 51,373 20 0.0 11,313 20 0.0 36,883 21 0.0 36,883 22 0.0 11,313 23 0.0 36,883 24,704 SET 1.0 Sub Iotal TOTAL COST Ka 6.0 116,160 Ka 6.0 307,900 Sub Iotal 20 0.0 7,257 20 0.0 1,676 21 0.0 6,957 22 0.0 1,676 23 0.0 6,957 24 76.0 3,664	UNIT QUANTITY LOCAL FOREIGN #2 0.0 18 11 #3 0.0 1,484 859 #3 0.0 2,208 1,047 #3 0.0 873 520 #3 897.8 2,813 1,340 #3 1470.0 3,881 2,290 #2 21000.0 256 145 #2 0.0 3,079 1,371 #2 21000.0 601 595 #2 0.0 740 935 # 0.0 721 118 #3 0.0 1,039 472 # 0.0 38,324 48,854 # 0.0 51,373 38,938 #2 0.0 11,313 245 #3 0.0 36,883 11,442 #3 0.0 24,904 120 SET 1.0 Sub Total **TOTAL COST** **Earthwork & Pavement Timber Bridge**	UNIT QUANTITY LOCAL FOREIGN LOCAL ### QUANTITY LOCA	### DIANTITY LOCAL FOREIGN LOCAL FOREIGN ###################################

: LAMPUNG

KAB : LAMPUNG TENGAH

LINK NO :

111 (1118-1) LENGTH : 7 Km

UPBRADE : 7.0m road bed, 3.5m road with surface Dressing (1)

CUST FURE IGN 0 0 0 0 0 1,407,000 3,727,350 0 3,552,500 0 0 0 0 0 0 0 0 0 0 0	4,360,10,549,7,824,4
0 0 0 0 0 1,407,000 3,927,350 3,552,500 0 0 0 0 0	4,360, 10,548, 7,824,
0 0 0 0 1,407,000 3,927,350 4,552,500 0 0 0 0 0 0	10,548, 9,824,
0 0 0 0 1,407,000 3,927,350 4,552,500 0 0 0 0 0 0	10,548, 9,824,
0 0 0 1,407,000 3,927,350 4,552,500 0 0,577,500 0 0 0	10,548, 9,824,
0 0 1,407,000 3,727,350 3,552,500 0 1,577,500 0 0 0	10,548, 9,824,
0 1,407,000 8,727,350 8,552,500 0 1,577,500 0 0 0	10,548, 9,824,
1,407,000 3,927,350 6,552,500 0 1,577,500 0 0 0 0	10,548, 9,824,
3,927,350 4,552,500 0 1,577,500 0 0 0 0 0	10,548, 9,824,
7,552,500 0 1,577,500 0 0 0 0 0 0	7,824,
7,552,500 0 1,577,500 0 0 0 0 0 0	7,824,
0 1,577,500 0 0 0 0 0 0 0	
0 0 0 0 0 0 0 0 0 0	29,302,
0 0 0 0 0 0 0	2740024
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0 0 0 0 0	
0 0 0 0	
0 0 0	
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•	
Q	
v	
3,464,350	54,036,
,519,652	9,105,
,984,002	62,141,
50,652	863,
959,700	3,115,
,010,352	3,978,
0	
6	
0	
82,765	208,
	959,700 ,010,352 0 0 0 82,765

KAD : LAMPUNG TENGAH

LINK NO : 110 (IIIA)

LENGTH : 5 Km

UPGRADE : 11.0m road bed, 8.0m road with surface Dressing (2)

(((UNIT COST >>> **//////** COST TEH **>>>>>** VITTRAUD TIRU LOCAL FOREIGN LOCAL FORE LCH TOTAL 10000.0 144 1,440,000 900,000 2,340,000 Site Clearance in Light Bush #2 90 Subgrade Preparation 55000.0 18 990,000 605,000 11 1,595,000 a? Normal Fill n3 0.0 1,484 857 . 0 : . ₍₎ 1,047 Fill in Swamp #3 0.0 2,208 θ 0 520 131,616. Normal Excavation to Spoil 312.0 873 272,376 162,240 a3 15,752,800 7,504,000 Sub Base Course #3 5600.0 2,813 1,340 23,756,800 Base Course 3200.0 3,861 2,290 12,355,200 7,328,000 19,683,200 3,840,000 2,175,000 Shoulder . **n**2 15000.0 256 145 6,015,000 Asphalt Patching 0.0 3,079 .2 1,371 Surface Dressing (Simple) 103 595 29,600,000 37,400,000 Surface Dressing (Double) 740 935 67,000,000 -2 40000.0 Earth Drain 0.0 721 118 (i . 18 Earth Drain in Swamp (by machine) 0.0 1,039 472 аJ 38,324 48,854 Pipe Culvert DBOcs 0.00 Hasonry Culvert (80x80co) 0.0 51,373 38,938 0 Retaining Wall and Wing Wall (Timber) -2 0.0 11,313 245 Retaining Wall and Wing Wall (Masonry) 0.0 36,883 11,442 аš 0.0 24,904 120 Gabion Protection 93 SET 1.0 New Bridge (Timber) New Bridge (Concrete) SET 1.0 64,250,376 56,074,240 120,324,616 Sub Total 8,411,136 18,048,692 (15%) 9,637,556 Overhead 73,887,932 64,485,376 TOTAL COST 5.0 116,160 7,236 580,800 36,180 616,980 Ka Hanual routine maintenance of road 1,539,500 685,500 2,225,000 Routine maintenance of asphalt road Ka 5.0 307,900 137,100 2,841,980 Sub Total 2,120,300 721,680. ú 0 0 7,257 1,120 Haintenance of Timber Bridge (New) 0.0 Haintenance of Concrete Bridge (New) 0.0 2,866 1,676 a 2 Maintenance of limber Bridge (Exist) #2 0.0 6,957 2,400 0 3,664 2,413 Maintenance of Concrete Bridge (Exist) 0.0 Earthwork & Pavement Unit Cost (Rp/Ka) limber Or i dae Unit Cost (Rp/#2) Bridge Unit Cost (Rp/e2) Concrete Value (Rg) 23,526,240 Survived ; Maintenance Rate without Bridge (%) 2,05 (2) New Bridge Cost Rate

LINK NO : 107 (I11A) . LENGTH : 6 Km

UPGRADE : 11.0m road bed, 8.0m road with surface Dressing (2)

LIEN	IINIT	YIIINAUO	<<< UNIT LOCAL	COST >>>		COST))) <u>)</u>)
			LULHI.	FOREIGN	LOCA	AL FOREIGN	IOTA
Site Clearance in Light Rush	s 2	12000.0	144	80	1 725 64		8 806 AN
Subgrade Preparation	n?	66000.0	18	90	1,728,00		2,808,00
Normal Fill	a3	0.0	1,484	1 ! 859	1,188,00		1,914,00
Fill in Swamp	n3	0.0				0 0	. (
Normal Excavation to Spoil	n3	328.0	2,208 873	1,047	201 1	0 0	4.00
Sub Pase Course	e3	6720.0			286,34		456,90
Base Course	æ3	3840.0	2,813	1,340	18,903,30		27,908,18
Shoulder	e?	18000.0	3,861	2,290	14,826,24		23,619,84
Asphalt Patching			256	145	4,608,00		7,218,00
Surface Dressing (Simple)	#2 -3	0.0	3,079	1,371		0 9	
Surface Dressing (Double)	a2	9.0	601	595		0 0	* .
Earth Drain	·a2	48000.0	740	935	35,520,00	0 44,880,000	80,400,00
	B .	0.0	721	911		0 0	
Earth Orain in Swamp (by machine)	. a3	0.0	1,039	472		0	4 ±
Pipe Culvert DBOca	2	0.0	30,324	48,054		0 0	
Masonry Culvert (80x80cm)	8	12.0	51,373	38,930	616,4	76 467,256	1,083,73
Retaining Hall and Hing Hall (Timber)	#2	0.0	11,313	745		0 0	
Retaining Wall and Wing Wall (Kasonry)	a3	1.5	36,883	11,442	55,37	24 17,163	72,48
Babion Protection	a 3	0.0	24,904	. 120		0 0	
New Bridge (Timber)	SET	1.0				0 0	
New Bridge (Concrete)	SET	1.0				0 0	
		*	Sub Total	:	77,731,74	14 67,749,379	145,481,12
Overhead (15%)					11,659,70	10,162,406	21,822,10
			TOTAL COST		89,371,50	77,311,785	187,303,29

fanual routine maintenance of road	Ka	6.0	116,160	7,236	696,96	•	740,37
Routine maintenance of asphalt road	K∎	6.0	307,900	137,100	1,847,40	•	2,670,0
			Sub Total		2,544,38		3,410,3
laintenance of Timber Bridge (Hex)	a?	0.0	7,257	1,120		0	
laintenance of Concrete Bridge (New)	#2	0.0	1,676	2,866		0 0	
laintenance of Timber Bridge (Exist) 🦠	#2	0.0	6 ₁ 957	2,400		0 0	
laintenance of Concrete Bridge (Exist)	e2	84.0	3,664	2,413	307,77	46 505,635	510,48
THE SEC. SEC. SEC. SEC. SEC. SEC. SEC. SEC							
			Earthwork &		nit Cast	(Rp/Ke) :	27,883,88
			lisber	,	iit Cost	(Rp/m2) :	
			Concrete		it Cost	(Rp/s2) :	
			Survived	Value		(Rp) :	28,231,4
			Kaintenance	Rate without	: Bridge	(7) ;	2.4
			New Bridge	Coek Date		(%)	

LINK NO : 102 (IIIA) LENGTH : 12 Km

UPBRADE : 8.5m road bed, 4.5m road with surface Dressing (2)

lRp

1 T E H			TIRU >>>	cost >>>	* ((((COST	>>>>>
	UHIT	YTTTKAUG	LOCAL	FORELGN	LOCAL	FOREIGN	101A
			<i>4</i>				
Gite Clearance in Light Bush	- #2	0.0	144	70	0	. 0	19
Subgrade Preparation	a 2	17000.0	. 18	11	306,000	187,000	493,00
lormal Fill	a3	0.0	1,484	859	0	0	
Fill in Swamp	a 3	0.0	2,208	1,047	0	0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
formal Excavation to Spoil	e 3	0.038	873	520	750,780	447,200	1,177,98
Sub Base Course	*3	3364.3	2,813	1,340	9,463,775	4,500,162	13,971,93
Base Course	. n 3	4320.0	3,861	2,290	16,679,520	9,892,800	26,572,32
Shoulder.	a2	48000.0	256	145	12,288,000	6,960,000	19,248,00
Asphalt Patching	n2	0.0	3,079	1,371	0	0	
Surface Dressing (Single)	e 2	0.0		595	. 0	. 0	+ 4
Surface Dressing (Double)	#2	54000.0	740	935	39,960,000	50,490,000	90,450,00
Earth Drain	Ş	0.0	721	. 118	0	0	
Earth Drain in Swamp (by machine)	a3	0.0	1,037	472	. 0	. 0	
Pipe Culvert D80cm	2		38,324	48,854	Ö	ò	
lasonry Culvert (80x80cm)	8	12.0	51,373	38,938	616,476	467,256	1,083,73
Retaining Wall and Hing Wall (Timber)	m 2	0.0	11,313	245	0	0	
Retaining Hall and Hing Wall (Kasonry)	e3	1.5	36,883	11,442	55,324	17,163	72,48
Sabion Protection	a 3	0.0	24,904	120	0	0	
lem Bridge (Timber)	SET	1.0			0	. 0	
len Bridge (Concrete)	SET	1.0			Ô	0	.:
ten en roye tooner reer	021						
			Sub Total		80,119,875	72,969,581	153,089,45
Overhead (15%)					12,017,901	10,945,437	.22,963,41
			TOTAL COST		92,137,856	83,915,018	176,052,87
fanual routine maintenance of road	Ko	12.0	116,160	7,236	1,393,920	86,832	1,480,75
Routine maintenance of asphalt road	Ka	12.0	307,900	137,100	3,694,800	1,645,200	
			Sub Total		5,088,720	1,732,032	6,820,75
faintenance of Timber Bridge (New)	. 127	0.0	7,257	1,120	0	1.0	
faintenance of Concrete Oridge (New)	a 2	0.0	l ;676	2,866	0	0	
Maintenance of Timber Bridge (Exist)	a 2	0.0	6,957	2,400	0	0	
Maintenance of Concrete Bridge (Exist)	n2	34.3	3,664	2,413	125,675	82,765	208,44
			Carthuart 1.	Payement Un	nit Cast (Rø	/Fal •	14,671,07
	-	:	Timber			(a2) :	,0,,,
			Concrete		•	(#2) :	
,			Survived	Value on	•	(#27 i	17,820,67
				Rate without		(p) :	3.1
			New Bridds ustuceusuce			() ;	3.1
			wee or rade	DOSE HOLE	٠,	••	

PRÖV

: LAMPUNG KAB : LAMPUNG TENGAH

LINK NO : 100 (IIIA) LENGTH : 30 Km

UPBRADE : 9.0m road bed, 4.5m road with surface Dressing (2)

							(Rp)
ITEN	UNIT	QUANTLTY	(((UNI) Local	COSI >>> FOREIGN	(((Local	<<< COST FOREIGN	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Other Oliver and Advanced					***********	**********	~~~~
Site Clearance in Light Bush	#2	0.0	144	90	0	. 0	
Subgrade Preparation	-2	0.0	18	11	0	0	
Horaal Fill	#3	0.0	1,484	859	0	0	
Fill in Swamp	#3	0.0	2,20B	1,047	0	0	
Normal Excavation to Spoil	2 3	4440.0	973	520	3,876,120	•	6,184,92
Sub Base Course	# 3	8666.0	2,813	1,340	24,377,458	11,612,440	35,989,89
Base Course	m3	10900.0	3,861	2,290	41,698,800	24,732,000	66,430,80
Shoulder	a 2	135000.0	256	145	34,560,000	19,575,000	54,135,00
Asphalt Patching	92	0.0	3,079	1,371	0	0	0.1100100
Surface Dressing (Single)	•2	0.0	103	595	ů	Ŏ	
Surface Dressing (Doubte)	s 2	135000.0	740	935	99,900,000	126,225,000	226,125,00
Earth Drain		0.0	721	118	0	140,113,000	2501150100
Earth Drain in Swamp (by machine)	m3	0.0	1,039	472	0	0	
Pipe Culvert DBOca		0.0	38,324	48,854	0		•
Hasonry Culvert (80x80cm)		8.0	51,373	38,938	410,984	. ()	
Retaining Wall and Ming Wall (Timber)	a2	0.0	11,313	245	•	311,504	722,46
Retaining Wall and Wing Wall (Masonry)	63	1.5			0	0	70.40
Gabion Protection	a3	0.0	36,883	11,442	55,324	17,163	72,48
New Bridge (lisber)	SET		,	120	0	0	
New Bridge (Concrete)	SET	1.0			0	0	
ner wrige tablereter	JLI	1.0		5.0	0	0	700 //A F0
			Sub Total		204,878,686	184,781,907	389,660,59
Overhead (15%)					30,731,802	27,717,285	58,449,08
			TOTAL COST		235,610,488	212,499,193	448,107,68
Manual routine maintenance of road	Ka	30.0	116,160	7,236	3,484,800	217,080	3,701,98
Routine maintenance of asphalt road	Ka	30.0	307,900	137,100	9,237,000	4,113,000	13,350,00
	***	00.0	Sub Total	101,100	12,721,800	1,330,080	17,051,86
Maintenance of Timber Bridge (New)	m 2	0.0	7,257	1,120	0		11/001/00
Maintenance of Concrete Bridge (New)	ล2		1,676	2,866	0	. 0	
Haintenance of limber Bridge (Exist)	. 2	0.0	6,957	2,400	0	ő	
Maintenance of Concrete Bridge (Exist)	#2		3,664	2,413	556,561	366,534	923,09
		141+1	3,001		2201201		123191
 -			Earthwork &	Davomont III	nil Cnel (R	p/Ka) :	14,936,98
						p/mai :	12,150,10
				•		• • -•	
				orruge u Value		-	45 200 / C
						(Rp) :	45,399,61
•			Haintenance			(X) ; (X) ;	3.8
			New Bridge	LUST HATE		(X) :	

KAB : LAMPUNG TENGAH : :

LINE NO : 96 (IIIA)

LENGTH : 12 Km -

UPGRADE : 9.5m road bed, 4.0m road with surface Dressing (2)

(Rn)

							· /np:
1168			((C UNIT	COST >>>	(((((COST	>>>>>
	UNLT	VILLINATIO	LOCAL	FOREIGN	LOCAL	FOREIGN	JATOT
Site Clearance in Light Bush	#2	0.0	144	90	0	0	
Subgrade Preparation	m 2	0.0	18	· 11	0	. 0	. (
lormal Fill	m3	0.0	1,484	859	0	0	
Fill in Swamp	m3	0.0	2,208	1,047	Û	()	
lormal Excavation to Spoil	a 3	0.0	873	520	0	0	
Sub Pase Course	aš	1622.0	2,913	1,340	4,567,686	2,173,480	6,736,16
Base Course	m3	3840.0	3,861	2,290	14,826,240	8,793,600	23,617,84
Ghoul der	m 2	66000.0	. 256	145	16,896,000	9,570,000	26,466,00
Isphall Patching	a 2	0.0	3,079	1,371	0	0	
Surface Dressing (Single)	n2	0.0	601	595	0	0	
Surface Dressing (Double)	\$ 2	48000.0	710	. 935	35,520,000	44,880,000	80,400,00
Earth Drain		0.0	721	118	0	()	
Earth Drain in Swamp (by machine)	p.3	0.0	1,037	472	0	. 0	•
Pipe Culvert D80cm	5	0.0	39,324	48,854	0	0	
lasonry Culvert (80x80cm)		0.0	51,373	39,938	0	0.	
Retaining Hall and Hing Hall (Timber)	= 2	0.0	11,313	245	0	. 0	
Retaining Wall and Wing Wall (Masonry)	m3	0.0		11,442	. 0	. 0	
Gabion Protection	n3	0.0	24,904	120	0	0	
lew Bridge (Timber)	SET	1.0	·		. 0	. 0	
len Bridge (Concrete)	SEI	1.0			0	0	
			Sub Total	÷	71,804,926	65,417,080	137,222,00
everhead (152)					10,770,738	9,812,562	20,583,30
			TOTAL COST		82,575,664	75,229,642	157,805,30
fanual routine maintenance of road	K∎	12.0	115,160	7,236	1,373,920	85,832	1,480,75
Routine maintenance of asphalt road	Κs	12.0	307,900	137,100	3,691,800	1,645,200	5,340,00
			Sub lotal		5,088,720	1,732,032	6,920,75
laintenance of Timber Bridge (New)	n2		7,257	1,120	. 0	0	
laintenance of Concrete Bridge (New)	# 2		1,676	2,966		0	
faintenance of Timber Bridge (Exist)	e 2		6,957	2,400	860,915	228,000	888,91
laintenance of Concrete Bridge (Exist)	\$ 2	20.0	3,664	2,413	73,280	48,260	121,54
				n		· . 	
			Earthwork 4		nit Cost (Rp/)		13,150,4
			Timber		it Cost (Rp/s		
			Concrete		ift Cost : (Rp/e		11 307 70
•			Survived	Value	(Rj		11,293,89
and the second s				Rate without			4,3
			New Bridge	Part D.L.	() (

LAMPUNG

KAB :

LAMPUNG TENGAH

LINK NO: :

93 (ILIA)

LENGTH : 20 Km

UPGRADE : 10.0m road bed, 7.0m road with surface Dressing (2)

3 1 E H <<< UNIT COST >>> (((((0051 **>>>>>** UNIT QUANTITY LOCAL FOREIGN LOCAL FUREIGN TOTAL Site Clearance in Light Bush a2 6400.0 144 90 921,600 576,000 1,497,600 Subgrade Preparation m2 200000.0 19 11 3,600,000 2,200,000 5,800,000 Normal Fill **8**3 0.0 1,484 859 Fill in Swamp m3 0.02,208 1,047 Normal Excavation to Spoil 4058.0 **a**3 873 570 3,542,634 2,110,160 5,652,794 Sub Pase Course 19600.0 ŧЗ 2,813 1,340 55,134,800 26,264,000 81,398,800 Pase Course 2,290 аš 11200.0 3,861 43,243,200 25,648,000 68,891,200 Shoul der **n**2 60000.0 256 145 15,360,000 8,700,000 24,060,000 Asphalt Patching a2 0.0 3,079 1,371 Surface Oressing (Single) n2 198 595 ſ Surface Dressing (Double) #2 140000.0 740 935 103,400,000 130,900,000 234,500,000 Earth Drain 0.0 771 118 Earth Drain in Swamp (by machine) 1,039 472 Pipe Culvert DOOca. 0.0 38,324 40,054 Hasonry Culvert (80x80ca) 51,373 0.0 38,939 Retaining Wall and Wing Wall (Timber) 02 0.0 11,313 245 Retaining Wall and Wing Wall (Masonry) a3 0.0 36,883 11,447 Gabion Protection £Α 0.0 24,904 120 Hen Dridge (Tieber) SET 1.0 O Hew Bridge (Concrete) SET 1.0 Sub Total 225,402,234 196,398,160 421,800,374 Overhead (15%) 33,810,335 29,459,724 63,270,059 TOTAL COST 259,212,569 225,857,864 485,070,453 20.0 7,236 2,323,200 Hanual routine maintenance of road 116,160 144,720 2,467,720 6,159,000 Routine maintenance of asphalt road 20.0 307,900 137,100 2,742,000 8,900,000 Kв 8,481,200 2,886,720 Sub lotal 11,367,720 . 0 1,120 Haintenance of Timber Bridge (Hew) 0.0 7,257 Λ 1,676 Maintenance of Concrete Bridge Illen) 0.0 2,866 0 0 **a**2 Maintenance of Timber Bridge (Exist) 0.0 6,957 2,400 **n**2 3,664 2,413 Haintenance of Concrete Bridge (Exist) m2 0.0 Earthwork & Pavement Unit Cost (Rp/En) Dr i dge Unit Cost (Rp/s2) Timber Concrete **Pridge** Unit Cost (Rp/e2) Value Survived (Rp) 82,341,840 Haintenance Rate without Bridge (7.) 2,34 New Bridge Cost Rate (),)

KAB : LAMPUNG TENGAH

LINK NO : 87 (IIIA)

(IIIA) LENGTH : 20 Km

UPGRADE : 9.5m road bed, 4.0m road with surface Dressing (2)

(Rp)

							(Kb)
1 T E H			(((UNIT	cost >>>	{ (((<< cost	>>>>>
	11KU	QUARTITY	LOCAL	FOREIGN	LOCAL	FOREIGN	TOTAL
Site Clearance in Light Bush	a 2	0.0	144	90	0	0	. (
Subgrade Preparation	a 2	95000.0	18	11	1,710,000	1,045,000	2,755,000
Hormal Fill	n3	0.0	1,484	859	0	0	. (
Fill in Swamp	m3	0.0	2,208	1,047	0	0	
Normal Excavation to Spoil	m3	1096.0	873	520	956,808	567,920	1,526,72
Sub Rase Course	m3	7284.0	2,813	1,340	20,489,892	7,760,560	30,250,45
Base Course		6400.0	3,861	2,290	24,710,400	14,656,000	37,366,40
Shoulder	#2	110000.0	256	145	28,160,000	15,950,000	44,110,00
Asphalt Fatching	n2	0.0	3,079	1,371	20,100,000	1011001000	11,130,000
Surface Dressing (Single)	#2	0.0	601	595	0	. 0	ì
Surface Dressing (Double)	#2	80000.0	740	935	59,200,000	74,800,000	134,000,000
Earth Drain	8	2000.0	721	118	1,442,000	236,000	1,678,000
Earth Drain in Swamp (by machine)	2 3	0.0	1,039	472	11225766	235,000	יעיין טיטן נ
ripe Culvert 080cm	E)	0.0	38,324	48,854	y n	4	
ripe culvert obota Hasonry Culvert (80x80cm)	8 8	0.0	51,373	38,938	, , , , , , , , , , , , , , , , , , ,	0 A	
Retaining Hall and Wing Wall (Timber)	a 2	0.0	11,313	245	0	. 0	·
Retaining Wall and Wing Wall (Masonry)	m3	0.0	36,883	11,442	0	Ņ	
•	en En			120	0	ò	
Sabion Protection			24,704	120		0	
Hen Bridge (Timber)	SET	1.0			0	0	
New Bridge (Concrete)	SEI	1.0	-		·		
			Sub Total		136,669,100	117,017,480	253,686,586
Overhead (15%)					20,500,345	17,552,622	38,057,98
			TOTAL COST		157,169,465	134,570,102	291,739,56
			<u></u>				
Manual routine maintenance of road	Ka	20.9	116,160	7,236	2,323,200	144,720	2,467,92
Routine maintenance of asphalt road	Ka	20.0		137,100	6,158,000	2,742,000	8,900,00
			Cat Talai		8,481,200	2,886,720	11,367,92
			Sub Total		01.001000		
Naintenance of limber Bridge (New)	n2	0.0	7,257	1,120	0	. 0	
Haintenance of Concrete Bridge (New)	#2 #2			2,866		0 0	
Haintenance of Concrete Bridge (New)		0.0	7,257	•	0		
Haintenance of Concrete Bridge (Нем) Haintenance of Timber Bridge (Exist)	n2	0.0 0.0	7,257 1,676 6,957	2,866 2,400	0		
Haintenance of Concrete Bridge (Нем) Haintenance of Timber Bridge (Exist)	. 02	0.0 0.0	7,257 1,676	2,866	0		
Haintenance of Concrete Bridge (New)	n2	0.0 0.0	7,257 1,676 6,957	2,866 2,400 2,413 Payement U	0 0 0 0	0 0 0	14,586,97
Haintenance of Concrete Bridge (Нем) Haintenance of Timber Bridge (Exist)	n2	0.0 0.0	7,257 1,676 6,957 3,664	2,866 2,400 2,413 Payement U	0 0 0 0	0 0	
Haintenance of Concrete Bridge (Нем) Haintenance of Timber Bridge (Exist)	n2	0.0 0.0	7,257 1,676 6,957 3,664 Earthwork &	2,866 2,400 2,413 Pavement U Bridge U	0 0 0 0 nit Cost (Rp nit Cost (Rp	0 0 0	14,586,97
Haintenance of Concrete Bridge (Нем) Haintenance of Timber Bridge (Exist)	n2	0.0 0.0	7,257 1,676 6,957 3,664 Earthwork & Timber	2,866 2,400 2,413 Pavement U Bridge U	0 0 0 0 nit Cost (Rp nit Cost (Rp	0 0 0	14,586,97
Haintenance of Concrete Bridge (Нем) Haintenance of Timber Bridge (Exist)	n2	0.0 0.0	7,257 1,676 6,957 3,664 Earthwork & Timber Concrete Survived	2,866 2,400 2,413 Favement U Bridge U Bridge U	0 0 0 0 nit Cost (Rp nit Cost (Rp	0 0 0 0/Ka) : 1/A2} :	14,586,97 34,041,98 3.9

: LAMPUNG KAB : LAMPUNG TENGAH

LINK NO : 69 (IIIB-1) LENGTH : 8 Km

UPORADE : 8.5m road bed, 3.5m road with surface Dressing (1)

							(Rp)
1168			(((UNI	((1203 1	······	((((CDS1))))))
	11MU	QUANTITY	LOCAL	FOREIGN	FOCAL	FOREIGN	IOTAL
811 81		•			************		
Site Clearance in Light Bush	- a2	0.0	,144	70	0	0	(
Subgrade Preparation	я2	0.0	19	- 11	. ()		(
Normal Fill	a3	0.0	1,484	859	0	i o	
Fill in Swamp	€ ₽3	0.0	2,208	1,047	0	· 0	
Normal Excavation to Spoil	a 3	0.0	873	520	. 0	`	
Sub Base Course	n3	974.8	2,813	1,340	2,742,112		4,048,34
Dase Course	аŠ	1960.0	3,861	2,270	7,567,560		12,055,96
Shoulder	m2	40000.0	256	145	10,240,000		
Asphalt Patching	42	0.0	3,079	1,371	10,210,000		16,040,00
Surface Dressing (Single)	a 2	28000.0	601	•	-	-	77 100 00
Surface Dressing (Double)	a2	0.0		595 075	16,828,000		33,488,00
Earth Drain			740	935	Q	•	
Earth Drain in Swamp (by machine)	*	0.0	721	118	. (=	
	# 3	0.0	1,039	472	0	•	
Pipe Culvert DBOco	ā	0.0	39,324	18,854	C	0	
Hasonry Culvert (80x80cm)	e	0.0	51,373	38,938	O	0	
Retaining Wall and Wing Wall (Timber)	a 2	0.0	11,313	245	(0	
Retaining Wall and Wing Wall (Masonry)	æЗ	0.0	36,883	11,442	0	0	
Gabion Protection	a 3	0.0	24,904	120	0	0	
New Bridge (Timber)	SET	1.0	, 		Ó		
New Bridge (Concrete)	SET	1.0	→ P		Č	=	100
			Sub Total		37,377,672	28,254,632	65,632,30
Overhead 1 15%)					5,606,650	4,238,194	9,844,84
			TOTAL COST		42,984,322	32,492,826	75,477,14
P					ani ada		
Manual routine maintenance of road	ka.	8.0	116,160	1,236	729,280	•	907,18
Routine maintenance of asphalt road	Ke	8.0	307,900	137,100	2,463,200		3,560,00
			Sub Total		3,392,480		4,547,18
Naintenance of Timber Bridge (New)	• •2	0.0	7,257	1,120	(0	
Haintenance of Concrete Bridge (New)	s 2	0.0	1,676	2,866	(0	
Haintenance of Timber Bridge (Exist)	s 2	0.0	6,987	2,400	Q	. 0	
Maintenance of Concrete Dridge (Exist)	#2	32.0	3,664	2,413	117,248	17,216	194,48
	·						
			Earthwork &	Payenent Ur	nit Cost (Rp/Kn) :	7,434,6
			Tiaber	Bridge Un	nit Cost l	Rp/#2) :	
			Concrete	-		Rp/s2) :	
				Value		(Rg) :	5,245,03
			201 11110			,	0,2.0,00
•			Haintenance	Rate without	Aridoo	(X) :	6.0

: LAMPUNG

KAB: : LAMPLING TENGAH

LINK NO : 65 (IIIA) LENGTH : 9 Km

UPGRADE : 7.5m road bed, 4.5m road with surface Dressing (2)

							(Rp)
ITEH	wir	YTTTHAUG	<<< UNIT	COST >>>)) Locai	CCCC COST))))))
							JATOT
City Charages in Light Buch	æ2	0.0	[44	90			٥
Site Ctearance in Light Bush	. m.c m2	52500.0	. 18	11	nas A04		1 572 500
Subgrade Preparation Normal Fill	a.3	0.0		859	945,000	, 3// ₁ 400	1,522,500
· ·			1,484). 0	
Fill in Swamp	n3 - 7		2,208	1,047		•	77.1.07
Normal Excavation to Spoil	.3 -7	517.0	973	520	477,53 13,857,68		761,97
Sub Base Course	a 3	4926.3		1,340			20,458,92
Nase Course	a3 -3		3,861	2,290	12,509,640		19,727,240
Shoulder	æ2 -2		256	145	6,912,00		10,827,000
Asphalt Patching	e2		3,079	1,371		0 0	,
Surface Dressing (Single)	a ?		601	595		0 23.0(1.500	17 071 500
Surface Dressing (Double)	a 2		740	. 935	27,970,00	0 37,867,500	67,837,500
Earth Drain	9	0.0	721	. 118			,
Earth Drain in Swamp (by machine)	m 3		1,039	472		0 0	1
Pipe Culvert D80cm	8		38,324	48,854		0 9	(
Masonry Culvert (80x80cm)			51,373	38,938		9 9	•
Retaining Hall and Hing Hall (Timber)	#2		11,313	245		0 (
Retaining Wall and Hing Wall (Masonry)	.3		36,883	11,442		ų v	
Gabion Protection	#3			120		0 0	
New Bridge (Timber)	25.1	-				0 0	40 000 00
New Bridge (Concrete)	132	1.0		`	7,656,75	3 5,336,120	12,992,87
	÷		Sub Total		72,328,60	5 62,001,401	134,330,00
Overhead (15%)					10,849,29	0 9,300,710	20,549,50
	÷		TOTAL COST		83,177,89	5 71,301,611	154,479,50
Manual routine maintenance of road	· Ka	9.0	116,160	7,236	1,045,44	0 65,124	1,110,56
Routine maintenance of asphalt road	Ke		307,900	137,100	2,771,10		4,005,00
adjeting admittables of displicit voor	,,,	***	Sub Total	,	3,816,54		5,115,56
Maintenance of limber Bridge (New)	⊭2	0.0	7,257	1,120	-,,		-,,
				-	45.25	2 17,382	122,63
					-	0 0	•
Maintenance of Concrete Bridge (Exist)	B 2		3,664	2,413	143,62	8 71,587	238,21
Maintenance of Concrete Rridge (New) Maintenance of limber Bridge (Exist) Maintenance of Concrete Bridge (Exist)	#2 #2 #2	0.0	•	Pavement Ur Bridge Ur Bridge Ur Value	143,62 nit Cast nit Cast nit Cast	0	

LAMPUNG:

KAD : LAMPUNG TEMGAH

64 (1114)

LEMBIH : 9 Km

UPGRADE : 8.5m road bed, 4.5m road with surface Dressing (2)

				,				(Rp)
	ITEN	UNIT	ONT I LA	<<< UNIT Local	I COST >>> Foreign	((((Local	COST FOREIGN	>>>>> TUTAL

	te Clearance in Light Bush	ø2	0.0	144	90	0	0	0
	bgrade Preparation	ø2	0.0	18	11	0	()	. 0
No	rmal Fill	#3	0.0	1,494	857	0	0	0
	II In Snamp	£3	0.0	2,208	1,047	ű	Ú	, i
	rmal Excavation to Spoil	£a.	1260.0	873	520	1,097,780	655,200	1,755,180
Su	b Case Course	m3	2329.3	2,813	1,340	6,552,320	3,121,262	9,673,582
Pa	se Course	Ea	3240.0	3,861	2,290	12,509,640	7,419,600	19,929,240
51	oulder	a2	38000.0	256	145	9,216,000	5,220,000	14,436,000
As	phalt Patching	n2	0.0	3,079	1,371	0	911501000	ייטין סטרורנ)
Si	rface Dressing (Single)	a 2	0.0	601	595	0	0	. (
S u	rface Dressing (Double)	m2	40500.0	740	935	29,970,000	37,867,500	
	rth Drain	Đ	0.0	721	118	0	0 1007	0.1001.1000
٤a	rth Drain in Swamp (by machine)	m3	0.0	1,039	472	0	. 0	(
	pe Culvert DDOcm		0.0	39,324	48,854	Û	0.	. (
	sonry Cuivert (80x80cm)	A	0.0	51,373	38,938	0	0	0
	taining Wall and Wing Wall (Timber)	82	0.0	11,313	245	0	. 0	0
	taining Wall and Wing Wall (Masonry)	аJ	0.0	36,893	11,442	0	. 0	(
	bion Protection	n3	0,0	24,904	120	0	0	(
	н Bridge (Timber)	SET	1.0			Ů	. 0	(
	и Bridge (Concrete)	SET	1.0			Ô	0	Č
				Sub Total		59,347,940	54,283,562	113,631,502
0v	erhead (15%)					B,902,191	8,142,534	17,044,72
				TOTAL COST		68,250,131	62,426,096	130,676,227
			~~~~~~					
	nual routine maintenance of road	Ka	9.0	116,160	1,236	1,045,440	65,124	[,110,564
Ro	utine maintenance of asphalt road	Ka	9.0	307,900	137,100	2,771,100	1,233,900	4,005,000
	•			Sub Total		3,816,540	1,293,024	5,115,56
	intenance of Timber Bridge (New)	s-?	0.0	7,257	1,120	0	Û	,
	intenance of Concrete Bridge (New)	a2	0.0	1,676	2,866	0	0	
	intenance of Timber Bridge (Exist)	m2	24.5	6,957	2,400	170,446	59,800	229,24
Ha	intenance of Concrete Bridge (Exist)	#2	59.9	3,664	2,413	215,443	141,884	357,32
				Farthwork L	Pavenent Unil	Cast (Pa	/Ka) :	14,519,58
							/m2) :	111017100
					•		/m2) :	
					Value	•	Rp) :	12,721,17
					Rate without E		ηρ, . (1) :	3.7

LINK NO : 62 (111A) LENGTH : 15 Km

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

	~~-~~~						(Rp)
1 T E H				COST >>>			>>>>>
	UNIT	QUANTITY	LOCAL	FOREIGN	LOCAL	FOREIGN	TOTAL
							•
ite Clearance in Light Bush	. n2	0.0	144	90	. 0	4. a Q	
ubgrade Preparation	<b>m</b> ?	104000.0	18	$\mathcal{H}$	1,872,000	1,144,000	3,016,00
ormal Fill	e3	0.0	1,494	857	0	. 0	
ill in Swamp	m3	0.0	2,208	1,047	0	Q	4442
ormal Excavation to Spoil	. n3	384.0	873	520	335,232	135,680	534,91
nb Base Course	n3	7511.0	2,813	1,340	21,221,272	10,109,960	31,330,23
ase Course	аЗ	4800.0	3,861	2,290	18,532,800	10,992,000	29,524,80
houlder	<b>a</b> 2	60000.0	258	145	15,360,000	8,700,000	24,060,00
sphalt Patching	<b>#</b> 2	0.0	3,079	1,371	. 0	0	
urface Dressing (Single)	n2	0.0	601	595	0	Ú	
urface Dressing (Double)	. #2	60000.0	740	935	44,400,000	56,100,000	100,500,00
arth Drain	8	0.0	721	118	0	. 0	
arth Orain in Swamp (by machine)	a3	0.0	1,039	472	. 0	. 0	
ipe Culvert D80cm	P	0.0	38,324	48,854	. 0	. 0	
asonry Culvert (80x80cm)	8	0.0		38,93B	0	0	
etaining Wall and Wing Wall (Timber)	<b>8</b> 2	0.0	11,313	245	0	0	• *
etaining Hall and Hing Hall (Hasonry)	a3	0.0	36,883	11,442	0	0	· .
abion Protection	s.J	0.0	24,904	120	0	0	
ew Bridge (Timber)	SET	1.0			. 0	0	1. 1. 1.
ен Bridge (Eoncrete)	SET	1.0			10,424,442	13,359,224	23,783,68
			Sub Fotal		112,145,746	100,603,864	212,749,61
verhead 1 15% )				. <del>:</del>	16,621,661	15,090,579	31,912,41
		•	total eact		(70.027.163	115 (04 447	244 (12 05
$(\mathbf{v}_{i,j}, \mathbf{v}_{i,j}, v$			TOTAL COST		128,967,607	115,694,443	244,662,05
				· 	+		
anual routine maintenance of road	Ka	15.0	116,160	7,236	1,742,400	108,540	1,850,74
outing maintenance of asphalt road	Ka	15.0	307,900	137,100	4,618,500	•	6,675,00
Office marine cuance of mapping than			Sub Intal	,	6,360,900	2,165,040	8,525,9
aintenance of Timber Bridge (New)	æ2	0.0	. 7,257	1,120	0	0	-,,,
aintenance of Concrete Bridge (New)	n2	67.5	1,676	2,866	113,130	193,455	306,58
aintenance of Concrete Groupe (Exist)	<b>9</b> 2		6,957	2,400	0.		
aintenance of Concrete Bridge (Exist)	#2	0.0	3,664	2,413	0	0	*
etiticationice of contracte is inde textain			0,00	-1			
			*********	:			
			Earthwork & Timber			p/Km) : p/m21 :	.14,487,3
			Concrete	Bridge Ur	nit Cost (R	p/a2) :	403,2
				Bridge Ur Value			
		e ^t		Value		p/a2) ; {Rp} ; (%) ;	405,20 44,337,21 3.5

* LAMPUNG

KAB : LAMPUNG TENGAH.

LINK ND : 168 (LIB-1) LENGTH : 6 Km

UPGRADE : 8.5m road bed, 3.5m road with surface Dressing (1)

* * * * *							(Rp)
1161	UNIT	QUANTITY	<>< UNIT Local	COS1 >>> FOREIGN	(() Local	COST FOREIGN	>>>>> Total
Site Clearance in Light Rush		۸.۵					:
Subgrade Preparation	a?	0.0	144	90	0	0	. 0
Normal Fill		25500.0	19	11	459,000	-	739,500
	<b>a</b> 3	0.0	1,484	859	0		0
Fill in Swamp	En.	0.0	2,208	1,047	0	-	(
Hornal Excavation to Spoil	<b>#3</b>	17.0	873	570	67,221	40,040	107,241
Sub Dase Course	n3	1907.9	2,813	1,340	5,085,341		7,507,793
Base Course	<b>*</b> 3	1470.0	3,861	2,290	5,675,670		9,041,970
Shoulder	. a2		256	145	7,680,000		12,030,000
Asphalt Patching	a2	0.0	3,079	1,371	0		0
Surface Dressing (Single)	<b>a</b> 2	21000.0	103	595	12,621,000	12,495,000	25,116,000
Surface Dressing (Double)	<b>a</b> 2	0.0	740	935	0		
Earth Drain		0.0	721	118	0	0	(
Earth Drain in Swamp (by machine)	#3	0.0	1,039	472	0	0	. (
Pipe Culvert D80cm		0.0	39,324	40,054	0	0	. (
Hasonry Culvert (80x80cm)	8	0.0	51,373	38,938	0	0	(
Retaining Wall and Wing Wall (Timber)	n?	0.0	11,313	245	0	9	(
Retaining Wall and Wing Wall (Hasonry)	a3	0.0	36,883	11,442	0	0	(
Gabion Protection	£a:	0.0	24,904	120	0	.0	. (
New Bridge (Himber)	SET	1.0		~ ~	. 0	0	
New Bridge (Concrete)	SET	1.0			(	. 0	. (
			Sub Total		31,588,232	22,954,292	54,542,52
Overhead ( 15% )					4,730,234	3,443,143	8,181,37
			TOTAL COST		36,326,466	26,397,435	62,723,90
		· • · · · · · · · · · · · · · · · · · ·					
Manual routine maintenance of road	Ka	6.0	116,160	7,236	696,960	43,416	740,37
Routine maintenance of asphalt road	Kn	6.0	307,900	137,100	1,847,400	B22,600	2,670,00
			Sub lotal		2,544,360	866,016	3,410,37
Maintenance of Timber Bridge (Mem)	æ2	0.0	7,257	1,120	Ç	) ()	
Haintenance of Concrete Bridge (New)	e2	0.0	1,676	2,866	. (	0.	
Maintenance of limber Bridge (Exist)	n?	0.0	6,957	2,400		0	
Haintenance of Concrete Bridge (Exist)	<b>s</b> 2	96.0	3,664	2,413	351,744	231,648	583,39
· ·							
			Earthwork &	Favesent I	Init Cost (	Ro/Ka) :	10,453,98
			limber			Rp/m21 :	-
			Concrete	•		Fp/a2) :	
			Survived	Value		(Rp) :	7,063,84
	÷		Haintenance		ıt Bridge	(%) :	5,4
			New Bridge		3	(2)	w( )

LINK NO : 61 (IIIA) LENGTH : 4 Km

UPGRADE : 9.0m road bed, 4.5m road with surface Dressing (2)

ITEH	UNIT	QUANTITY	((( UNIT Local	COST >>> FOREIGN	((((( LOCAL	COST FOREIGN	>>>>> TOTAL
			چې پې کې د کې د br>د کې د کې				
lite Clearance in Light Bush	<b>#</b> 2	0.0	144	90	0	. 0	0
Subgrade Preparation	<b>6</b> 2	0.0	10		. 0	.0	(
lormal Fill	#3	0.0	1,404	659	0	. 0	(
ill in Swamp	. n3	0.0	2,208	1,047	. 0	0	
lormal Excavation to Spoil	<b>a</b> 3	560.0	973	520	489,880	291,200	780,080
Sub Rase Course	#3	1159.5	2,813	1,340	3,259,860	1,552,390	4,811,250
lase Course	ø3	1440.0	3,861	2,290	5,559,840	3,297,600	8,857,440
houlder	#2	18000.0	256	145	4,608,000	2,610,000	7,218,00
sphalt Patching	<b>e</b> 2	0.0	3,079	1,371	0	0	
burface Dressing (Single)	a2	0.0	901	595	. 0	0	(
Surface Dressing (Double)	<b>a</b> 2	18000.0	740	935	13,320,000	16,830,000	30,150,000
arth Drain	*	0.0	721	118	0	0	
arth Drain in Swamp (by machine)	a3	0.0	1,039	472	0	. 0	. !
ipe Culvert DBOca	8	0.0	38,324	48,854	0	0	
lasonry Culvert (80x80cm)	ā	0.0	51,373	38,938	0	0	
Retaining Hall and Ming Wall (Timber)	m2	0.0	11,313	245	0	0	
letaining Wall and Wing Wall (Masonry)	m3	0.0	36,883	11,442	0	0	•
abion Protection	аЗ	0.0	24,904	120	0	0	
len Bridge (Tinber)	SET	1.0			0	0	
lew Bridge (Concrete)	SET	9.1		·	. 0	0	
			Sub Total		27,235,590	24,581,190	51,816,77
lverhead ( 15% )	•				4,085,337	3,687,178	7,772,51
			TOTAL COST		31,320,917	28,268,368	59,589,28
ianual routine maintenance of road	Ka	1.0	116,160	7,236	464,640	28,944	433,58
Couting maintenance of asphalt road	Km	4.0	307,900	137,100	1,231,600	548,400	1,780,00
			Sub Total		1,696,240	577,344	2,273,58
laintenance of limber Bridge (Kex)	<b>a</b> 2	0.0	7,257	1,120	0	0	
laintenance of Concrete Bridge (New)	a2	0.0	1,676	2,866	0	0	
laintenance of Timber Bridge (Exist)	n2	0.0	6 ₁ 957	2,400	()	0 -	
laintenance of Concrete Bridge (Exist)	m2	68.6	3,664	2,413	251,350	165,531	416,88
				Pavenent Un		/Ya) :	14,877,37
			Timber			/#21 :	
			Concrete			/m2) :	1 617 7
			Survived	Value	(	ko) :	6,063,30
			M 7 - C	Rate without	tradition to	Z) :	3.8

: LAMPUNG KAB : LAMPUNG TENGAH

LINK NO : 60 (IIIB-2) LENGTH : 6 Km

UPGRADE : 9.0m road bed, 3.5m road with surface Base Cource

TTEK			777 BRIT	COS1 >>>	1111	t none	
	UNIT	QUANTITY	LOCAL	FOREIGN	(((() Local	COST FOREIGN	>>>>> TOTA
ite Clearance in Light Bush	_						
	<b>n</b> 2		144	90	0	0	
ubgrade Preparation	<b>#</b> 2	0.0	18	11	0	0	
ormal Fill	n3	0.0	1,484	859	0	0	
ill in Swamp	m3	0.0	2,200	1,047	0	0	
ormal Excavation to Spoil	ø3	0.0	873	520	. 0	0	
ub Pase Course	ВЗ	710.5	2,813	1,340	1,998,636	952,070	2,950,70
ase Course	#3	1260.0	3,861	2,290	4,864,860	2,885,400	7,750,20
houl der	n2	33000.0	256	145	8,448,000	4,785,000	13,233,00
sphalt Patching	<b>n</b> 2	0.0	3,079	1,371	0	0	
urface Dressing (Single)	<b>B</b> 2	0.0	103	595	0	0	
urlace Dressing (Double)	<b>#</b> 2	0.0	740	935	0	0	
arth Drain	8	0.0	721	118	0	. 0	
arth Drain in Swamp (by machine)	<b>#3</b>	0.0	1,039	472	0 -	Ó	
ipe Culvert 080co	8	0.0	39,324	48,854	0	ě	
asonry Culvert (80x80cm)	A	0.0	51,373	38,938	ò	ò	•
etaining Wall and Wing Wall (Timber)	si2	0.0	11,313	245	Ò	· À	
etaining Wall and Wing Wall (Masonry)	aЗ	0.0	36,883	11,442	ŏ	.0	
abion Protection	<b>a</b> 3	0.0	24,904	120	o	0	
ен Bridge (Timber)	SET	1.0			ů	0	
ен Bridge (Concrete)	SET	1.0			ŏ	0	
			Sub Total		15,311,476	8,622,470	23,933,9
verhead ( 15% )					2,296,724	1,293,370	3,590,0
			TOTAL COST		17,608,220	9,915,840	27,524,0
· ·			-,		**	7 At 1877 To 407 To 407 to see do not 407 no e	
anual routine maintenance of road	Ka	6.0	116,160	7,236	696,960	43,416	740,3
outine maintenance of gravel road	Ke	6.0	168,711	87,777	1,012,266	526,662	1,53B,9
			Sub Total		1,709,226	570,078	2,279,3
aintenance of Timber Bridge (New)	a2	0.0	7,257	1,170	0 .	. 0	
aintenance of Concrete Bridge (Hew)	a2	0.0	1,676	2,866	0	. 0	
aintenance of Timber Bridge (Exist)	*2	0.0	6,957	2,400	0	. 0 -	
aintenance of Concrete Bridge (Exist)	αZ	91.0	3,664	2,413	333,424	217,583	553,0
				Favement Uni			4,587,3
•					t Cost (Rp/		
•					t Cost (Rp/		
				Value		(p) :	1,475,3
			Haintenance	Rate without			8.
· · ·			New Bridge	Carl Dala	. 0	9 :	

LINK NO : 59 (IIIA) LENGTH : 7  $K_{\rm fl}$ 

UPGRADE : 7.0m road bed, 4.5m road with surface Dressing (2)

TIEM	UNIT	QUANTITY	CCAL LOCAL	COST >>> FOREIGN	(.ocal	CCCC COST FOREIGN	>>>>> TOTAL
Site Clearance in Light Bush	m2	0.0	144	90		) 0	. 0
Subgrade Preparation	a2		18	ii		0	0
Normal Fill	<b>83</b>	0.0	1,484	857		) (	. 0
fill in Swamp	e3	0.0	2,208	1,047		) 0	Q
Normal Excavation to Spoil	æ3	630.0	873	520	549,99	327,600	877,590
Sub Base Course	£3	1777.3		1,340	4,999,54		7,381,126
Base Course	<b>#</b> 3	2520.0		2,290			15,500,520
Shoulder	<b>#</b> 2	17500.0	254	145	4,480,00		
Asphalt Patching	<b>#</b> 2	0.0	3,079	1,371			100
Surface Oressing (Single)	<b>≥</b> 2		601	595		0 0	0
Surface Oressing (Double)	<b>a</b> 2		710	935	23,310,00	The state of the s	52,762,500
Earth Drain	B		721	118	, -, -, -, -,	0 0	0
Earth Drain in Swamp (by machine)	<b>a</b> 3		1,039	472		0. 0	
Pipe Culvert D80cm		0.0	38,324	48,854	-	0 0	· č
Hasonry Culvert (90x80cm)	9		51,373	38,938	871,96	8 623,008	1,444,978
Retaining Wall and Wing Wall (Timber)	<b>#</b> 2		11,313	215	311,15	Λ .	(
Retaining Wall and Wing Wall (Masonry)	a3		34,983	11,442		•	865,016
Gabion Protection	m3			120		0 0	000,111
New Bridge (Timber)	SET		21,141			0.9	· i
New Bridge (Concrete)	SET	1.0		·		0 0	(
			Sub Total	-	44,551,42	7 41,277,801	85,819,228
Overhead ( 15% )					6,682,71	4 6,194,670	12,877,38
	•		TOTAL COST		51,234,14	17,492,471	98,726,617
·					·	·	
Manual routine maintenance of road	Ka	7.0	116,160	7,236	813.12	0 50,652	863,77
Routine maintenance of asphalt road	Ka	7.0	307,900	137,100		0 959,700	
unifflie matinference of ashigit inen	6/18	7.0	Sub Total	1011100		0 1,010,352	
Maintonna of Tishas Deidna (New)	e2	0.0		1,120		0 .,0.0,002	(1,70,77,
Maintenance of Timber Bridge (New)	# £					0 0	
Naintenance of Concrete Bridge (New)	n2					0 0	
Haintenance of Timber Bridge (Exist)	я <i>с</i> в2		3,664	2,413		6 431,927	1,087,78
Haintenance of Concrete Bridge (Exist)	R.C	1/1.0	J;001	2,113	033103	0 131,111	11001110
						1	
			Earthwork &			(8p/Ka) :	14,103,80
					Jnit Cost	(Rp/a2) :	
			Concrete		Init Cost	(Rp/m2) i	
•				Value		(Rp) :	7,780,03
			Maintenance		ıt Bridge	(%) :	4.0
			New Bridge	Coat Date		(%) ;	

: LAMPUNG KAB : LAMPUNG TENGAH

LINK NO : 58 (IIIA) LENGTH : 16 Km

UPERADE : 7.0m road bed, 4.5m road with surface Dressing (2)

							(Rp)
to <b>1 to E.H</b> The second se	11110	QUANTITY	<<< UNIT Local	COST >> Foreign		CCCC CUST Foreign	>>>>> TOTAL
Site Clearance in Light Bush	n2	0.0	144				
Subgrade Preparation	62	0.0	18	90		0	. (
Norgal Fill	e.;	0.0		11	-	0	. (
Fill in Swamp	#3	0.0	1,484	859		Ų	(
Normal Excavation to Speil	m3	1750.0	2,208	1,047		()	(
Sub Base Course	#3	3083.0	873	520		•	2,437,750
Base Course	#13 #13		2,813	1,340			12,803,69
Shoulder	ы э в 2		3,861	2,290			19,929,240
Asphalt Fatching			256	145	,		16,040,000
Surface Dressing (Single)	n2		3,079	1,371			2,051,450
	n2	31500.0	104	595			37,674,000
Surface Dressing (Double)	e2		740	935		37,867,500	67,937,500
Earth Drain	8	0.0	721	118		. 0	(
Earth Drain in Swamp (by machine)	#3	0.0	1,039	472		0	. (
Pipe Culvert DBOca	ħ	0.0	38,324	48,854		0-	(
Masonry Culvert (80x80cm)	. 8	0.0	51,373	38,739	()	0	(
Retaining Hall and Hing Hall (Timber)	.a2	0.0	11,313	245	0	. 0	+
Retaining Wall and Wing Wall (Masonry)	<b>6</b> 3	0.0	34,883	11,442	0	0	
Gabion Protection	63	0.0	24,904	120	0	. 0	
Ren Bridge (limber)	SET	1.0			0	0	
New Bridge (Concrete)	SET	1.0			9,550,150	10,340,330	19,998,48
			Sub Total		92,828,946	85,843,181	178,672,127
Overhead ( 15% )					13,924,341	12,876,477	26,800,810
			TOTAL COST		106,753,287	98,719,658	205,472,945
·							+ + + + + + + + + + + + + + + + + +
Hanual routine maintenance of road	Ks		116,160	7,236			1,974,33
Routine maintenance of asphalt road	Ke	16.0	307,900	137,100			7,120,00
en en <del>e</del> n en			Sub Total		6,784,960	2,309,376	9,094,33
Maintenance of Timber Bridge (New)	95	0.0	7,257	1,120		•	
Maintenance of Concrete Bridge (New)	<b>a</b> 2	49.5	1,676	2,866	82,962	141,867	224,82
Haintenance of Timber Bridge (Exist)	e 2	0.0	6,957	2,400			
Haintenance of Concrete Bridge (Exist)	n2	213.7	3,664	2,413	783,143	515,754	(,298,89
							<u> </u>
			Earthwork &	Paveaent	Unit Cost (	Rp/Km) :	11,411,85
			limber.	Bridge	Unit Cost (	Rp/m2) :	
			Concrete	Bridge	Unit Cost (	Rp/m2) :	462,28
			Survived	Value		(Rp) :	25,037,70
			Maintenance	Rate witho	ut Bridge	());	4.9
•			Hex Bridge		-	(7) :	11.1

PROV : LAMPUNG KAB

KAB : LAMPUNG TENGAH

LINK NO : 55 (111B-1)

LENGTH : 10 Km

UPGRADE : 6.5m road bed, 4.0m road with surface Dressing (1)

(Rn) <<< UNIT COST >>> CUST **>>>>>**: 1 1 E H VIIIKAUD TIKU LOCAL FOREIGN LOCAL FOREIGN TOTAL 2500.0 144 360,000 225,000 585,000 Site Clearance in Light Bush **a**2 Subgrade Preparation 19500.0 19 11 351,000 214,500 565,500 1,484 Normal Fill 0.0859 - 0 0 Fill in Swamp æ3 0.0 2,208 1,047 A 0 Normal Excavation to Spoil 314,280 187,200 501,480 360.0 873 520 **m**3 8,157,700 3,886,000 12,043,700 Sub Base Course 2900.0 2,913 1,340 2,290 10,810,800 8,412,000 17,222,800 Base Course 2800.0 1,861 Shoulder 25000.0 256 145 6,400,000 3,625,000 10,025,000 Asphalt Patching :2 0.0 3,077 1,371 23,800,000 47,840,000 Surface Dressing (Single) 40000.0 601 595 24,040,000 Surface Dressing (Double) 740 935 0.0 Û Earth Drain 0.0 721 118 Earth Drain in Swamp (by machine) 0.0 1,039 472 38,324 48,854 û Pipe Culvert D80cm 0.0 Hasonry Culvert (80x80cm) 38,938 0.0 51,373 Retaining Wall and Wing Wall (Timber) ø2 0.0 11,313 245 171,830 11,442 553,245 Retaining Wall and Wing Wall (Masonry) аß 15.0 36,883 0.0 24,904 120 Gabion Protection 63 n 1.0 New Bridge (Timber) SET New Bridge (Concrete) SEI 1.0 38,521,330 89,508,355 Sub Yotal 50,987,025 7,648,053 5,778,199 13,426,252 Grechesd ( 15% ) 44,299,529 102,934,607 58,635,078 TOTAL COST 1,161,600 72,360 1,233,760 10.0 116,160 7,236 Manual routine maintenance of road 1,371,000 4,450,000 3,079,000 10.0 307,900 137,100 Routine maintenance of asphalt road 1,443,360 1,240,600 5,683,960 Sub Total 0 1,120 Haintenance of limber Bridge (Hew) 0.0 7,257 **£**2 0 2,866 0 Maintenance of Concrete Bridge (New) 0.0 1,676 ĸ2 0 2,400 0.0 6,957 Haintenance of Timber Bridge (Exist) #2 2,413 1,221,477 485,013 201.0 3,664 Haintenance of Concrete Bridge (Exist) (Rp/Ka) 10,293,461 Earthwork & Pavement Unit Cost Unit Cost (Rp/m2) Bridge limber Concrete Bridge Unit Cost (Ro/#2) 11,875,150 Survived Value (Rp) Maintenance Rate without Bridge 5.52 (2) (2) New Bridge Cost Rate

: LAMPUNG KAB : LAMPUNG TENGAH

LINK NO : 54 (111A) LENGTH : 4 Km

UPGRADE : 9.5m road bed, 4.0m road with surface Dressing (2)

							(Rp)
ITEH			11KU >>>	COST >>>	>>>	<<< cost	>>>>>
· · · · · · · · · · · · · · · · · · ·	TIKU	QUANTITY	LOCAL		LOCAL	FORELGN	TOTAL
				*******			
Site Clearance in Light Bush	<b>m2</b>	0.0	843	nA.			
Subgrade Preparation	R2		144 18	90	. 0	0	•
Normal Fill	a3	• • •		j j	0	0	
Fill in Swamp	e. Ee		1,484	859	0	0	1
Normal Excavation to Spoil	<b>a</b> 3	***	2,208	1,047	. 0	0	
Sub Base Course	e3	• • • •	873	520	0	0	
Pase Course	23 23		2,813	1,340	1,625,914	774,520	2,400,43
Shoul der	#2 #2		3,861	2,290	1,712,080	2,931,200	7,873,28
Asphalt Patching			256	145	5,632,000	3,190,000	9,822,00
Surface Dressing (Single)	#2	• • •	3,079	1,371	0	0	
	<b>B</b> 2		601	595	0	0	
Surface Dressing (Double)	a2		740	935	11,840,000	14,960,000	26,800,00
Earth Drain	9		721	118	0	0	
Earth Drain in Swamp (by machine)	a3		1,039	472	0	. 0	
Pipe Culvert DBOcm	9	0.0	38,324	48,954	0	(I	
Masonry Culvert (80×80cm)	9		51,373	38,339	0	0	
Retaining Wall and Wing Wall (Timber)	n?	0.0	11,313	245	0	0	
Retaining Wall and Wing Wall (Masonry)	ø3	0.0	36,883	11,442	0	0	
Gabion Protection	<b>a</b> 3	0.0	24,904	120	0	0	
Hen Bridge (lisber)	SET	1.0	= -		0	0	
New Bridge (Concrete)	SET	1.0	~-		Û	Û	
			Sub Total		24,039,994	21,855,720	45,895,71
Overhead (15%)					3,605,999	3,278,358	6,884,3
			TOTAL COST		27,645,993	25,134,078	52,780,0
······································							
fanual routine maintenance of road	Кя		116,160	7,236	464,640	28,944	493,5
Routine maintenance of asphalt road	Ke	4.0	307,900	137,100	1,231,600	548,400	1,760,0
			Sub Total		1,696,240	577,344	2,273,5
Maintenance of Timber Bridge (New)	n2		7,257	1,120	0	0	
Maintenance of Concrete Bridge (Next)	#2		1,676	2,866	0	9	•
Maintenance of Timber Bridge (Exist)	±2		•	2,400	0	0	
Maintenance of Concrete Bridge (Exist)	<b>6</b> 2	39.2	3,664	2,413	143,628	94,587	238,2
	er med der ene ere men mer mer m		F44	D 11-	it Cast 10	/V.)	17 10E A
			Earthwork &			g/Ka) :	13,195,0
						p/m21 :	
				,		(p/a2) :	7 455 1
				Value		(Kp) :	3,080,6
			Haintenance		•	(%) :	4.3
			New Bridge	cost Hate		(7.) :	

PROV : LAMPUNG

KAB : LAMPUNG TENGAH

LINK NO : 51 (111A)

-LENGTH : 10 Km

UPGRADE : 7.5m road bed, 4.0m road with surface Dressing (2)

(Rn)

·			4	1.			(Rp)
ITEN	IIVIT	QUANTITY		COST >>> FOREIGN	((( Local	<<< COST FOREIGN	>>>>> 1010F
	U,1,		LOUNL				101110
Site Clearance in Light Bush	<b>#2</b>	0.0	144	90	0	0	. 0
Subgrade Preparation	a2	0.0	18	11	0	0	o
Normal Fill	e3	0.0	1,484	859	0	- 0	Č
Fill in Swamp	<b>p</b> 3	0.0	2,209	1,047	0	.0	. (
Normal Excavation to Spoil	•3	0.0	873	520	Ò	á	
Sub Base Course	#3	1708.0	2,813	1,346	4,804,604	2,288,720	7,093,32
Pase Course	<b>n</b> 3	3200.0	3,861	2,290	12,355,200	7,328,000	19,683,200
Shoulder	#2	35000.0	256	145	8,960,000	5,075,000	14,035,00
Asphall Patching	-2		3,079	1,371	0,700,000	0	111000100
Surface Oressing (Single)	e 2	0.0	601	595	ŏ	n	
Surface Dressing (Double)	-2	10000.0	740	935	29,600,000	37,400,000	67,000,000
Earth Drain		4000.0	721	118	2,884,000	472,000	3,356,000
	<b>2</b> 3		1,039	472	Z,007,000 0	172,000	3,330,00
Earth Drain in Swamp (by machine)	83	0.0			0	0	
Pipe Culvert B80cm		0.0	38,324	18,851		0	
Masonry Culvert (80x80cm)	-1	0.0	51,373	38,938	0	0	
Retaining Wall and Wing Wall (Timber)	<b>#</b> 2		11,313	245	-	۷	
Retaining Wall and Wing Wall (Hasonry)	<b>3</b>	0.0	36,883	11,442	0	Ų	
Gabion Protection	<b>83</b>		24,904	120	0	U	
Hew Bridge (Timber)	SET	1.0		••	0	0	
New Bridge (Concrete)	SET	1.0			0	0	
			Sub Total		58,603,804	52,563,720	111,167,52
Overhead ( 15% )					8,790,570	7,884,558	18,675,12
			TOTAL COST		67,394,374	60,448,278	127,842,65
Manual routine maintenance of road	Kø		116,160	7,238	1,161,600		• •
Routine maintenance of asphalt road	Ke	10.0	307,900	137,100	3,079,000		4,450,00
			Sub Total		4,240,500		5,683,96
Haintenance of Timber Oridge (New)	62		1,257	1,120	0		
Haintenance of Concrete Bridge (Hew)	<b>s</b> 2	0.0	1,676	2,866	0		
Maintenance of Timber Bridge (Exist)	a2	0.0	6,957	2,400	0		
Maintenance of Concrete Bridge (Exist)	#2	34.3	3,664	2,413	125,675	82,765	208,44
·							
			Earthwork &	•		Rp/Kal :	12,784,28
			Timber	Bridge Un	nit Cost 🛚 (1	Rp/≈21 :	
				-			
			Concrete	•	nit Cost (1	Rp/#2} :	
			Survived	Value		(Rp) :	
		÷	Survived	Value Rate without		•	10,595,45 4,4

: LAMPUNG

KAB : LAMPUNG TENGAH

LINK NO :

49 (IIIA)

LENGTH : 9 Km

UPGRADE : 9.5m road bed, 4.0m road with surface Dressing (2)

LIEN			((C DND	COST >>>	(((	((( CUST	
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	UNLT	YIITAAUD	LOCAL	FOREIGN	LOCAL	FOREIGN	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
ite Clearance in Light Bush	s 12	0.0	144	90	4		
ubgrade Preparation	#2	0.0	18	90 11	0	0	
ormal fill	a 3	0.0	l,484	859	0	0	
ill in Swamp	. m3	0.0	2,708	1,047	0	V	
ormal Excavation to Spoil	a 3	0.0	873	520	0	0	;
ub Base Course	m3	1506.0	2,813		0	0 105 046	
ase Course	n3	2880.0	3,861	1,340	4,461,418	2,125,240	6,586,65
houlder	e2		256	2,290		6,595,200	17,714,86
sphalt Patching	m2	0.0		145	17,672,000	7,177,500	19,849,50
urface Dressing (Single)	#2 #2	0.0	3,079	1,371	0	0	*
urface Dressing (Double)	#2	36900.0	601 740	595	0	0	10.00
arth Drain	9 24.			935	26,640,000	33,860,000	60,300,00
arth Drain in Swamp (by machine)	a 3	• • • •	721	118	0	0	
ipe Culvert DBOcm		0.0	1,039	472	0	0	
asonry Culvert (80x80cm)	9	0.0	38,324	49,954	0	0	
etaining Wall and Hing Wall (Timber)	# -3		51,373	38,939	0	0	
etaining Wall and Wing Wall (Hasonry)	#2 -7	• • • •	11,313	245	0	0	
abion Protection	6.3 -7		36,883	11,442	0	0	100
en Bridge (limber)	B3		24,904	120	0	0	
en bridge (Concrete)	SET SET	1.0 1.0			0	. 0	
	021		Sub Total		54,893,098	47,557,940	104,451,03
			200 10(81				101,131,03
verhead (15%)					8,233,964	7,433,691	15,667,65
			TOTAL COST		63,127,067	56,991,631	120,118,65
anual routine maintenance of road	Ka	9.0	116,160	7,236	1,045,440	65,124	1,110,58
outine maintenance of asphalt road	Kn	7.0	307,900	137,100	2,771,100	1,233,900	4,005,00
•			Sub Total	-	3,816,540	1,299,024	5,115,50
aintenance of Timber Bridge (Nex)	#2	0.0	7,257	1,120	0	0	
aintenance of Concrete Bridge (New)	n 2		1,676	2,866	0	0	
aintenance of Tiaber Bridge (Exist)	a 2	0.0	6,957	2,400	Ð	. 0	
aintenance of Concrete Bridge (Exist)	a2	27.0	3,664	2,413	78,728	65,151	164,07
······································							
		•	Earthwork &			p/Ka) :	13,346,5
			limber			p/m21 :	
			Concrete	,		p/m2) :	
			Survived	Value		(Rp) ;	9,698,0
			Maintenance			(7.)	4.2

LAMPUNG KAR : LAMPUNG TENGAH

LINK NO : 45 (1118-2) LENGTH : 4 Km

UPGRADE : 8.5m road bed, 3.5m road with surface Base Cource (Rp)

ITEN	1111	QUANTITY	(((UNIT LOCAL	CUST >>> FOREIGN	\\\\\\ Local	COST FOREIGN	>>>>> TOTAL
							· . · .
Site Clearance in Light Bush	· a2	0.0	144	90	. 0	0	. 0
Subgrade Preparation	#2	0.0	16	- 11	. 0	0	0
Normal Fill	a3	0.0	1,484	859	0	0	0
Fill in Swamp	*3	0.0	2,208	1,047	. 0	0	0
Rormal Excavation to Spoil	#3	37.0	873	520	32,301	19,240	51,541
Sub Base Course	- a 3	645.0	2,813	1,340	1,814,385	864,300	2,678,685
Base Course	ลรั	840.0	3,861	2,290	3,243,240	1,923,600	5,166,840
Shoulder	= 2	20000.0	256	145	5,120,000	2,900,000	0,020,000
Asphalt Patching	•2	0.0	3,079	1,371	0	0	. (
Surface Dressing (Single)	£ 2	0.0	601	595	0	0	0
Surface Dressing (Double)	= 2	0.0	710	935	0	0	(
Earth Drain	. 1	0.0	721	119	0	0	(
Earth Drain in Swamp (by machine)	#3	0.0	1,039	472	0	0	
Pipe Culvert D80cm	2	8.0	38,324	48,854	308,592	390,832	697,424
Nasonry Culvert (80x80cm)	4	0.0	51,373	38,938	0	0	
Retaining Wall and Wing Wall (Timber)	62	0.0	11,313	245	0	0	
Retaining Hall and Wing Hall (Masonry)	#3	40.2	36,883	11,412	1,482,696	459,968	1,942,66
Gabion Protection	n3	0.0		120	0 .	0	, , ,
Kem Bridge (Timber)	SET	1.0			. 0	0	
New Bridge (Concrete)	SEI	1.0	***		0:	0	
			Sub Total		11,999,214	6,557,940	19,557,15
Overhead (15%)					1,799,882	783,691	2,783,57
	·		TOTAL COST		13,799,096	7,541,631	21,340,72
Manual routine maintenance of road	Ka	4.0	116,160	7,236	464,640	28,744	193,58
Routine maintenance of gravel road	Kæ	4.0	168,711	97,777	674,844	351,108	1,025,95
			Sub Total		1,139,484	380,052	1,519,53
Haintenance of Timber Bridge (New)	- a2	0.0	7,257	1,120	0	0	•
Haintenance of Concrete Bridge (New)	a 2	0.0	1,676	2,866	0	0	
Haintenance of Timber Bridge (Exist)	•2	10.0	6,957	2,400	0	0	
Maintenance of Concrete Bridge (Exist)	m 2	0.0	3,664	2,413	0	0	
			Farthwork t	Pavement Uni	t Cost (Rp/K	ai .	5,335,18
							01494111
			Timber	•	t Cost (Rp/e		
			Concrete		t Cost (Rp/s		1,339,34
			Survived	Value) :	7.1
				Rate without	Bridge (%)		fil
			Hen Bridge	PAR 1507	141	1.	

LINK NO : 44 (IIIA) LENGTH : 10 Km

UPGRADE : 9.5m road bed, 4.0m road with surface Dressing (2)

			i.			a caarrig	(Rp)
11 E H				COST >>>	****	::::::::::::::::::::::::::::::::::::::))))))
	UNII	QUANTITY	LOCAL	FOREIGN	LOCAL	FOREIGN	ATOI
							*
Site Clearance in Light Bush	a2	0.0	[44	90	٥		
Subgrade Preparation	a2	0.0	18	11	0	0	
Normal Fill	a 3	0.0	1,484	859	0	0	
Fill in Swamp	a3	0.0	2,208	1,047	0	0	
formal Excavation to Spoil	a 3	0.0	873	520	. 0	Ų	
Sub Base Course	а3	1698.0	2,813	1,340	1 11/ 42/	0	7 051 7
ase Course	a3	3200.0	3,861		4,776,474	2,275,320	7,051,7
houlder	a?	55000.0	756	2,290	12,355,200	7,328,000	19,683;20
sphalt Patching	e2	0.0		145	14,080,000	7,975,000	22,055,00
ourlace Oressing (Single)	m2	0.0	3,079	1,371	0	0	1
urface Dressing (Double)	a2		601	575	0	0	
arth Drain		40000.0	740	935	29,600,000	37,400,000	67,000,00
arth Drain in Swamp (by machine)	a a វិ	0.0	721	118	0	0	
ipe Culvert D8Oca		0.0	1,039	472	0	0	
asonry Culvert (80x80cm)	8	0.0	38,324	48,854	0	.0	
•	4	0.0	51,373	38,930	0	0	
etaining Wall and Wing Wall (Timber)	5 2	0.0	11,313	245	0	0	
etaining Wall and Wing Wall (Masonry)	m3	0.0	36,893	11,442	0	0	
abion Protection	R:3	0.0	24,904	120	0	0	
lew Bridge (Timber)	SET	1.0		~-	0	0	
em Bridge (Concrete)	SET	1.0	***		0	0	
			Sub Total		60,811,674	54,978,320	115,789,99
verhead (15%)					9,121,751	8,246,748	17,369,4
			TOTAL COST		69,933,425	63,225,068	133,158,49
***************************************	~*						
anual routine maintenance of road	K.a	10.0	116,160	7,236	1,161,600		
outine maintenance of asphalt road	K∎	10.0	307,900	137,100	3,079,000	1,371,000	
A A MARK THE STATE OF THE STATE			Sub Total		1,240,600	1,443,360	5,683,7
aintenance of limber Bridge (Hex)	a2	0.0	7,257	1,120	0		
aintenance of Concrete Bridge (New)	= 2	0.0	1,676	2,866	0	0	
aintenance of Timber Bridge (Exist)	a2	0.0	6,957	2,400	0	0	
aintenance of Concrete Bridge (Exist)	#2	0.0	3,864	2,413	0	0	
			Earthwork &	Pave≉ent Ur	nit Cost (f	tp/Km)	13,315,8
			liaber	Bridge Ur	rit Cost - (F	lp/m21 :	
			Concrete	Bridge Ur	nit Cost (F	(p/m2) :	
•				Value		(Rp) ;	10,562,2
			Haintenance	Rate without	Bridge	(7.)	4.3
			New Bridge			(2) :	

PROV : LAMPUNG

KAD : LAMPUNG TENGAH

LINK NO : 38 (IIIA)

LENGTH : 17 Km

UPGRADE : 9.5m road bed, 4.0m road with surface Dressing (2)

(Rp)

LIER	11811	QUANTITY	<<< UNIT	COST >>> FOREIGN	(((LOCAL	COST FOREIGN	>>>>> TOTAL
Site Clearance in Light Bush	: #2	0.0	144	90	0	0	0
Subgrade Preparation	n 2	0.0	. 18	11	0	0	0
formal Fill	a 3	0.0	L,484	857	. 0	0	0
ill in Swamp	a 3	0.0	2,208	1,047	0	. 0	0
lornal Excavation to Spoil	æ3	190.0	873	520	165,870	78,800	264,670
Gub Base Course	#3	2846.0	2,813	1,340	8,005,798	3,813,640	11,817,430
Pase Course	a 3	5440.0	3,861	2,290	21,003,840		33,161,440
Shou l de r	m 2	93500.0	256	145	23,936,000		37,493,500
Asphalt Patching	e2	0.0	3,079	1,371	0	0	(
Ourface Dressing (Single)	e2	0.0	601	595	. 0	0	(
Ourface Dressing (Double)	#2	69000.0	740	935	50,320,000	63,580,000	113,900,000
arth Drain	R	0.0	721	118	0	0	1
arth Drain in Swamp (by machine)	e 3	0.0	1,039	472	0	0	
ipe Culvert D80cm		0.0	38,324	40,854	0	0	
Masonry Culvert (80x80cm)		33.0	51,373	38,938	1,695,309	1,284,954	2,980,263
Retaining Wall and Ming Wall (Timber)	= 2	0.0	11,313	245	0	0	
Retaining Wall and Wing Wall (Masonry)	# 3	33.8	36,883	11,442	1,246,645	386,737	1,633,38
Fabion Protection	#3	0.0	24,904	120	0	0	
lew Bridge (fimber)	SET	1.0			0	. 0	
Rew Bridge (Concrete)	SET	1.0			0	o o	•
ica erroge robitreter	72.	240					
			Sub Total		106,373,462	95,179,233	201,552,69
Overhead (15%)					15,956,019	14,276,984	30,232,90
		*	TOTAL COST		122,329,481	109,456,117	231,785,57
fanual routine maintenance of road	Ka	17.0	116,160	7,236	1,974,720		2,097,73
Routine maintenance of asphalt road	· Ka	17.0	307,900	137,100	5,231,300		7,565,00
			Sub Total		7,209,020		9,662,73
laintenance of Timber Bridge (New)	m 2	0.0	7,257	1,120	0		
Maintenance of Concrete Bridge (New)	a2	0.0	1,676	2,866	0		
faintenance of Timber Bridge (Exist)	m?		6 ₁ 957	2,400	0	0.	
faintenance of Concrete Bridge (Exist)	s 2	186.2	3,664	2,413	682,236	449,300	1,131,53
······································						**************************************	
			Éarthwork &	Pavecent U	Init Cost (Ro/Kal :	13,634,44
			limber			Rp/#21 :	;
			Concrete	Bridge U	hit Cost (Rp/m2) :	
			Survived	Value		(Rp) :	17,820,91
			Maintenance	Rate withou	ıl Bridge	(7,)	4,1
			Hen Bridge		-	(%) :	

LINK NO : 36 (IIII-1) LENGTH : 9 Km

UPGRADE : 7.5m road bed, 3.5m road with surface Dressing (1)

Site Clearance in Light Bush	1 T E H		-	11 ({ { { { { { { { { { { { I } } } } } } }	[COST >>>	27.	7/// cper	
Subgrade Preparation 82 30000.0 18 11 540,000 330,000 870 Noraal Fit1		URIT	QUANTITY					////// Intot
Subgrade Preparation					***************************************		*******	
Subgrade Preparation a2 30000.0 18 11 540,000 330,000 870 Bitl in Swamp		a2	0.0	144	. 30	٨	n	
Normal Fill m3		ø2	30000.0			_	•	
Fill in Sease	· · · · · · · · · · · · · · · · · · ·	m3	0.0				•	010,00
Normal Excavation to Spoil 83 322.0 873 520 281,106 167,440 448	The state of the s	Em .	0.0					:
Sub Base Course	Normal Excavation to Spoil	a 3			•	-		
Dase Course 13 2205.0 3,861 7,290 8,513,505 5,049,450 13,562 13,562 145 9,216,000 5,220,000 14,436 13,562 145 9,216,000 5,220,000 14,436 13,562 145 9,216,000 5,220,000 14,436 13,562 13,562 13,571 0 0 0 0 0 0 0 0 0	Sub Rase Course	n3						
Shoulder	Dase Course	вJ	2205.0	-				
Asphalt Patching	Shoulder	m 2						
Surface Bressing (Single) Surface Bressing (Bouble) Surface Bressing (Asphalt Patching							14,130,00
Surface Dressing (Double) 62 0.0 740 935 0 0 Carth Drain	Surface Dressing (Single)						•	77 174 80
B								37,674,00
Earth Drain in Swamp (by machine) a3 0.0 1,039 472 0 0 0 Pipe Culvert DBOcm a 0.0 38,324 48,854 0 0 0 Retaining Waif and Ming Hall (Timber) a2 0.0 11,313 245 0 0 Retaining Waif and Ming Hall (Timber) a3 0.0 36,883 11,442 0 0 Retaining Waif and Ming Waif (Hasonry) a3 0.0 36,883 11,442 0 0 Retaining Waif and Ming Waif (Hasonry) a3 0.0 24,904 120 0 0 Rew Bridge (Timber) SET 1.0 0 0 Sub Total 45,209,422 33,190,370 78,399 Rew Bridge (Concrete) SET 1.0 0 0 Sub Total 45,209,422 33,190,370 78,399 Remark (15%) Remark (15							Ť	
Pipe Culvert DBOcm	The second secon					0	V	
Assonry Culvert (80x80cm)						Ų	0	•
Retaining Wall and Wing Wall (Timber)							•	
Retaining Mail and Ming Mail (Hasonry) #3 0.0 36,883 11,442 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						V	0	
Sabium Protection #3 0.0 24,704 120 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					_	V	0	•
SET 1.0 0 0 0					-		-	
SET 1.0 0 0 Sub Total 45,209,422 33,190,370 78,399 Everhead (15%) 10TAL COST 51,990,835 38,168,725 90,159 FOUND COST 51,990,835 38,168,925 90,159 FOU	and the second of the second o			•		•	•	
Sub Total 45,209,422 33,190,370 78,399 Perhead (15%) 6,781,413 4,978,555 11,759 TOTAL COST 51,990,835 38,168,725 90,159 Sub Total 7,236 1,045,440 65,124 1,110 Routine maintenance of road Km 9.0 307,900 137,100 2,771,100 1,233,900 4,005 Sub Total 3,816,540 1,299,024 5,115 Raintenance of Timber Bridge (New) m2 0.0 7,257 1,120 0 0 Raintenance of Concrete Bridge (New) m2 0.0 1,676 2,866 0 0 Raintenance of Timber Bridge (Exist) m2 0.0 6,957 2,400 0 0						_	-	
101AL COST 51,990,835 38,168,725 90,159 101AL COST 51,990,835 38,168,725 90,159 101AL COST 51,990,835 38,168,725 90,159 101AL COST 1	sen bringe touncreter	561	1.0			0	. 0	
TOTAL COST 51,990,835 38,168,725 90,159 Idanual routine maintenance of road Km 9.0 116,160 7,236 1,045,440 65,124 1,110 Routine maintenance of asphalt road Km 9.0 307,900 137,100 2,771,100 1,233,900 4,005 Sub Total 3,816,540 1,299,024 5,115 Idaintenance of Timber Bridge (New) m2 0.0 7,257 1,120 0 0 Idaintenance of Concrete Bridge (New) m2 0.0 1,676 2,866 0 0 Idaintenance of Timber Bridge (Exist) m2 0.0 6,957 2,400 0 0				Sub Total		45,209,422	33,190,370	78,399,79
lanual routine maintenance of road Km 9.0 116,160 7,236 1,045,440 65,124 1,110 loutine maintenance of asphalt road Km 9.0 307,900 137,100 2,771,100 1,233,900 4,005 Sub Total 3,816,540 1,299,024 5,115 laintenance of Timber Bridge (New) m2 0.0 7,257 1,120 0 0 laintenance of Concrete Bridge (New) m2 0.0 1,676 2,866 0 0 laintenance of Timber Bridge (Exist) m2 0.0 6,957 2,400 0 0	overhead (15%)					6,781,413	4,978,555	11,759,98
Routine maintenance of asphalt road Km 9.0 307,900 137,100 2,771,100 1,233,900 4,005 Sub Total 3,816,540 1,299,024 5,115 faintenance of Timber Bridge (New) m2 0.0 7,257 1,120 0 0 faintenance of Concrete Bridge (New) m2 0.0 1,676 2,866 0 0 faintenance of Timber Bridge (Exist) m2 0.0 6,957 2,400 0 0				IOTAL COST	-	51,990,835	39,169,925	90,159,78
Routine maintenance of asphalt road Km 9.0 307,900 137,100 2,771,100 1,233,900 4,005 Sub Total 3,816,540 1,299,024 5,115 Inintenance of Timber Bridge (New) m2 0.0 7,257 1,120 0 0 Inintenance of Concrete Bridge (New) m2 0.0 1,676 2,866 0 0 Inintenance of Timber Bridge (Exist) m2 0.0 6,757 2,400 0 0							**	
Sub Total 3,816,540 1,299,024 5,115 Saintenance of Timber Bridge (New) m2 0.0 7,257 1,120 0 0 Saintenance of Concrete Bridge (New) m2 0.0 1,676 2,866 0 0 Saintenance of Timber Bridge (Exist) m2 0.0 6,957 2,400 0 0	anual routine maintenance of road	Kα	9.0	116,160	7,236	1,045,440	65,124	1,110,58
laintenance of Timber Bridge (New)	outine maintenance of asphalt road	Ke	7.0		137,100			4,005,0
aintenance of Concrete Bridge (New) #2 0.0 1,676 2,866 0 0 laintenance of Timber Bridge (Exist) #2 0.0 6,757 2,400 0 0	· · · · ·					3,816,540	1,299,024	5,115,5
aintenance of Timber Bridge (Exist) m2 0.0 6,957 2,400 0 0		a2	0.0	7,257		0	0	
		#2	0.0	1,676	2,866	0	0	
Adalanama at Cananata Galdan (Culat) a2 200 1 1 1 2 417 1 000 100 127 171 1 001	laintenance of Timber Bridge (Exist)	a 2	0.0	6,957	2,400	0	(1	
THE CHARGE OF CONCLECE RELOGE LEXISES BY CITE SPORT CHARGE INVIOLUM (CO. 110 140K)	laintenance of Concrete Bridge (Exist)	a 2	233.7	3,664	2,413	1,078,100	723,176	1,871,2
naintenance of concrete gridge (Exist) at 211.1 3,009 2,413 1,010,100 123,110	Routine maintenance of asphalt road Maintenance of Timber Bridge (New) Maintenance of Concrete Bridge (New)	Ка a2 a2	9.0 0.0 0.0 0.0	307,900 Sub Total 7,257 1,676 6,957	137,100 1,120 2,866 2,400	2,771,100 3,816,540 0 0	1,233,900 1,299,024 0 0	-
							•	10,017,7
					,		•	
Timber Bridge Unit Cost (Rp/m2) :					•	t Cost (•	10 180 =
Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) :							•	10,698,39
Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Survived Value (Rp) : 10,698						Br i dge		5.8
Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Survived Value (Rp) : 10,690 Haintenance Rate without Bridge (%) :				New Bridge	Cost Rate		(Ž) :	

LAMPUNG

LAMPUNG TENGAH KAD

LINK NO

35 (11119~2) LENGTH : 4 Km

: 6.5m road bed, 3.5m road with surface Base Cource

<<< UNIT COST >>> **/////// >>>>>** LIEH UNIT QUANTITY LOCAL FORE LGN LOCAL FOREIGN TOTAL 90 Site Clearance in Light Bush 0.0 144 Subgrade Preparation 0.0 18 11 0 **#2** Normal Fill 0.0 1,484 859 23 Fill in Swamp 0.0 2,208 1,047 43 873 520 0 Normal Excavation to Spoil 0.0 2,813 1,902,994 706,510 Sub Base Course 83 676.5 1,340 2,809,504 Dase Course 840.0 3,861 2,290 3,243,240 1,923,600 5,166,840 m3 12000.0 256 145 3,072,000 1,740,000 Shoulder **a**2 4,812,000 3,079 1,371 Asphalt Fatching 12 0.0 Surface Dressing (Single) 0.0 601 595 **6**2 Surface Dressing (Double) €2 0.0 740 935 119 721 Earth Drain 0.0 Earth Drain in Swamp (by machine) 1,039 472 0.0 *3 38,324 48,854 Pipe Culvert 080cm 0.0 Hasonry Culvert (80x80cm) 0.0 51,373 38,938 Retaining Wall and Hing Wall (Timber) 245 11,313 •2 0.0 Retaining Wall and Wing Wall (Masonry) 0.0 36,883 11,442 83 24,904 Gabion Protection а3 0.0 120 SET 0 Hem Bridge (Timber) 1.0 SET 1.0 New Bridge (Concrete) Sub Total 8,218,231 4,570,110 12,788,344 695,516 1,232,735 1,918,251 { 15% } Overhead TOTAL COST 9,450,969 5,255,626 14,706,595 193,581 116,160 7,236 464,640 28,944 4.0 Hanual routine maintenance of road Y.a B7,771 351,108 1,025,952 169,711 674,944 Routine maintenance of gravel road 1,139,484 380,052 1,519,536 Sub Total 7,257 1,120 Haintenance of Timber Bridge (Hew) 0.0 ŋ 0 Haintenance of Concrete Bridge (Hew) 1,676 2,866 0 æ2 0.0 6,957 2,400 Haintenance of Timber Bridge (Exist) 82 0.0 2,413 0.0 3,664 Haintenance of Concrete Oridge (Exist) 62

> Earthwork & Pavement Unit Cost (Rp/Xa) 3,676,649 Bridge Unit Cost (Rp/a2) Tieber Concrete Bridge Unit Cost (Rp/a2) 1,404,752 Survived Value (Rp) Maintenance Rate without Bridge (7,1 10.33 Hen Bridge Cost Rate (2)

88-A-8

LAMPUNG

KAB I LAMPUNG TENGAH.

LINK NO

30 (1110-2) LENGTH : 7 Km

.UPGRADE

: 9.5m road bed, 4.0m road with surface Base Cource

1168	tossit	QUARTITY		COS()))		1203	>>>>>
	UALI		LOCAL	FOREIGH	LOCAL	FOREIGN	A101
Site Clearance in Light Dush	n2						
Subgrade Preparation	n 2 a 2	0.0	144	. 90	0	0	
Normal Fill	_	0.0	18	11	. 0	0	
Fill in Swamp	A3	0.0	1,484	857	0	9	
Mormal Excavation to Spoil	ia Ta	0.0	2,208	1,047	. 0	0	
Sub Pase Course	#3 -7	0.0	873	570	0	. 0	
Base Course	m3	1184.0	2,913	1,340	3,330,592	1,586,560	4,917,15
Shoul der	#3 .~	1690.0	3,861	2,290	6,496,480	3,847,200	10,333,68
Asphalt Patching	#2	3B500.0	256	145	9,856,000	5,582,500	15,439,50
Surface Dressing (Single)	#2	0.0	3,079	1,371	0	0	•
Surface Dressing (Double)	e? - 2	0.0	101	595	0	0	•
Earth Drain	•2	0.0	740	935	0	0 -	
Earth Drain in Swamp (by machine)	9	0.0	721	118	0	0	
Pipe Culvert DBOCa	a3	0.0	1,039	472	0	. 0	
Hasonry Culvert (80x80cm)	e	0.0	38,324	48,854	0	0	
Retaining Wall and Wing Wall (Timber)	ä	24.0	51,373	38,939	1,232,952	934,512	2,167,46
Retaining Wall and Wing Wall (Hasonry)	62	0.0	11,313	215	0	Q	
Gabion Protection	#3	34.4	36,893	11,442	1,268,775	393,604	1,662,37
	23	0.0	24,904	120	0	0	
Hew Bridge (Timber)	SEI	1.0			0	0	
Hew Bridge (Concrete)	SEF	1.0		+-	0	. 0	
			Sub lotal		22,174,799	12,344,376	34,517,17
Overhead (15%)					3,326,219	1,851,656	5,177,97
			TOTAL COST		25,501,018	14,176,032	37,697,05
			111 44				
lanual routine maintenance of road	Ka	7.0	116,160	7,236	813,120	*	863,77
Routine maintenance of gravel road	K.a.	7.0	169,711	87,777	1,180,977	614,439	1,795,41
	_		Sub lotal		1,794,097	665,091	2,659,16
faintenance of Timber Bridge (Kex)	#2 -3	0.0	7,257	1,170	0	0	
faintenance of Concrete Bridge (New)	A ?	0.0	1,676	2,866	0	0	
Maintenance of Timber Bridge (Exist)	a?	0.0	6,957	2,400	715 447		757 74
faintenance of Concrete Bridge (Exist)	e ?	50.0	3,664	2,413	215,1≰3	141,804	357,32
		*********		,			
			Earthwork &	Pavement Un	it Cost (A	tp/Ke) :	5,671,00
			Ti∍ber			lp/m21 :	
			Concrete	Bridge Un	it Cost (A	ip/a2) :	
			Survived	Value		(Rp) ;	2,458,57
			Kaintenance	Rate without	Bridge	(7.)	6.7
			New Bridge	Cost Rate	-	(2)	

EINK NO : 34 (IIIA) LENGTH : 9 Km

UPGRADE : 9.0m road bed, 4.5m road with surface Dressing (2)

ITEN	UNIT	QUANTITY	(((UNIT Local	COST >>> FORE16N	(((((LOCAL	COST FOREIGN	>>>>> TOTAL
			***********		*******		
Site Clearance in Light Bush	a 2	0.0	144	90	0	. 0	(
Subgrade Preparation	- 2	0.0	18	11	0	0	- i (
Normal Fill	m3	0.0	1,484	859	0	0.	
Fill in Swamp	ža.	0.0	2,208	1,047	. 0	0	71.4
Mormal Excavation to Spoil		1190.0	873	520	1,038,870	618,800	1,657,67
Sub Base Course	a3	2430.8	2,813	1,340	6,837,840	3,257,272	10,095,11
Pase Course	43	3240.0	3,861	2,290	12,507,640	7,417,600	19,929,24
Shoul der	9 2	40500.0	256	145	10,368,000	5,872,500	16,240,50
Asphall Fatching	#2	0.0	3,079	1,371	0	0	
Surface Dressing (Single)	m2	0.0	601	595	. 0	. 0	
Surface Dressing (Double)	a2	40500.0	740	935	29,970,000	37,867,500	67,837,50
Earth Drain	n.	0.0	721	118	1,,,,,,,,,,	0.100.1000	011001100
Earth Drain in Swamp (by machine)	= 3	0.0	1,039	472	0	ŏ	
Pipe Culvert DBOca	#3 \$	0.0	38.324	48,854	Ů	0	
		0.0	•	•	0	0	
Hasonry Culvert (80x80ca)			51,373	38,938 245	Ů	0	
Retaining Wall and Wing Wall (Timber)	n2	0.0	11,313			•	1 410 75
Retaining Wall and Wing Wall (Masonry)	43	30.0	36,883	11,447	1,106,470	343,260	1,419,75
Sabion Protection	e 3	0.0	24,904	120	0	0	
Nex Bridge (Timber)	SET	1.0	·		0	. 0	
Hen Bridge (Concrete)	SET	1.0		The san	0	. 0	
			Sub Total		61,830,840	55,378,932	117,209,77
Overhead (15%)				•	9,274,626	8,306,839	17,581,46
			TOTAL COST		71,105,466	63,685,771	134,791,23
					445	ir 141	
lanual routine maintenance of road	Ka		116,160	7,236	1,045,440	65,124	1,110,50
loutine maintenance of asphalt road	Ks	9.0	307,900	137,100	2,771,100	1,233,900	4,005,0
			Sub Total		3,816,540	1,299,024	5,115,5
aintenance of Timber Bridge (Newl	@ 2		7,257	1,120	0	0	
laintenance of Concrete Bridge (New)	#2		1,676	2,866	0	0	
daintenance of Timber Bridge (Exist)	#2		6,951	2,400	0	(0.000	1. 1 mg - 11
Haintenance of Concrete Bridge (Exist)	# 2	25.2	3,664	2,413	92,332	60,807	153,13
***************************************							11 421 4
				Pavement Un		/Ka) :	14,776,8
			limber		•	/82) ;	
	•		Concrete			/#21 ; n_1 .	17 /60 7
			Survived	Value		Rp) :	13,058,3
				Rate without		7.)	3,1
			Hen Bridge	Lost Hate	ı	%) :	