# APPENDIX

INPUT DATA

Code	KECAMATAN	CULTIVATED	YIELD	FARMER'S POPULATION :	CIRCULATED COMMODITY :
No.	NAME	AREA : (PA)	RATE : (Y)	(AP)	(PG)
01	MENTOK	1,883	0.26	0	4,640
02	JEBUS	3,572	D.15	0	2,880
03	KELAPA	4.317	0.22	D,	2,930
04	BELINYU	3,785	0.24	D	4.860
05	SUNGAI LIAT	13.040	0.30	0	7,740
06	MERAWANG	1.758	0.31	0	2,970
07	MENDO BARAT	2,268	0.2/	0	2,300
08	PANGKALAN BARU	1.009	0.16	0	4.410
09	SUNGAI SELATAN	2,090	D.27	0	2,560
10	PAYUNG	4.990	0.79	0	2,000
11	KOBA	3.492	0.70	.0	2,610
12	TOBOALI	6.635	0.75	0	4,270
13	LEPAR PONDOK	312	0.19	6	850
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# FOR ESTIMATION OF THE PRODUCER'S SURPLUS BENEFIT

	n	ŕ2	ĩ3	TA	FARMER'S CONSUMPTION : (CD)	NON-AGRO REOUIRMENT : (NG)
ANNUAL AVERAGE GROWTH RATE		2.2		4.7	O Ton/head/year	0.15 Ton/ ton

	SEDAN	BUS	TRUCK	MOTOR CYCLE	AVERAGE	
RATE OF EACH VEHICLE TYPE %	15.09	13.94	16.66	54.30	FREIGHT TONAGE	1.0 Ton/Truck
		6	-4-1	•		· .

# Appendix A-2 Engineering Data

#### PROVINCE :Sumatera Selatan

KABUPATEN: Bangka

LINK	BEGINNING POINT	END POINT	LENGTH	THROUGH TH NAME & LEI	· ·	
NO.	(DESA NAME)	(DESA NAME)	(KM)	KEC. NAME	LENGTH (KM)	REMARKS
01	Parit III	Tanjung RU	27	Jebus	27	33
02	Kedondong	Rukam	15	Jebus	15	32
03	Jebus	Kampa	5	Jebus	5	· · · · · · · · · · · · · · · · · · ·
04	Jebus	Sungai Buluh	4	Jebus	4	
05	Pelawan	Parit III	16	Jebus	16	34
06	Parit III	Penganak	11	Jebus	11	
07	Gunung Muda	Silip	16	Belinyu	16	
08	Simpang Mapur	Kuala Mapur	4	Belinyu	4	
09	Pangkol	Air Mapur	7	Mendo Barat	7	
10	Simpang Rimba	Bangka kota	6	Payung	6	
11	Kota Waringin	Puding Besar	25	Merawang	25	16
12	Sangku	Simpang Buyan	10	Kelapa Merawang	4.5	17
13	Kd. Mentok	Simpang Mapur	8	Belinyu	8	24
14	Jelutung	Bedukang	6	Kota Sungai	6	
15	Simpang Rebo	Pantai Rebo	8	Liat Kota Sungai Liat	. 8	25
16	Simpang Jurung	Sempan	12	Merawang	12	
17	Batu Ampar	Simpang Ju - rung	4	Merawang	4	
18	Penegang	Petaling	11	Merawang	6	***************************************
19	Air Duren	Pangkal Pi - nang	. 8	Pk1.Pinang Pangkal Pi-	5 8	<u>}</u>
20	Terabek	Air Belo	9	nang Mentok	9	42
21	Teritip	Air Nyato	17	Mentok	17	
22	Kemang Masam	Rambat	18 ·	Mentok	18	· · ·
23	Mentok	Tanjung Ular	13	Mentok	13	
24	Pelangas	Kundi	24	Mentok	24	39

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

#### PROVINCE : Sumatera Selatan

### KABUPATEN: Bangka

LINK	BEGINNING POINT	END POINT	LENGTH	THROUGH TH NAME & LE		REMARKS
NO.	(DESA NAME)	(DESA NAME)	(KM)	KEC. NAME	LENGTH (KM)	
25	Tempilang	Tj.Niur	15	Kelapa	15	19
25 a	Sangku	Tempilang	9	Kelapa	9	I.L.N no. 121
26	Kelapa	Beruas	6	Kelapa	6	
26 a	Beruas	Pusuk	6	Kelapa	6	I.L.N no. 122
27	Kelapa	Kayu Arang	19	Kelapa	19	
28	Penyampak	Sangku	7	Kelapa	7	18
28 a	Simpang Yul	Penyampak	14	Kelapa	14	I.L.N no. 130
29	KD. Koba	KL.Mapur	15	Belinyu Kt.Sung.Liat	3 12	_
30	Petaling	PKL.Menduk	18	Mendo Barat	18	
31	Pangkal Pi- nang	Sampur	4	Pangkal Pi- nang	4	
32	Sampur	Pangkol	9	Mendo Barat Pkl.Pinang	9	43
33	Pangkol	Belilik	15	Mendo Barat	15	44
34	Sp.Air Mesu	Kebinti	6	Mendo Barat	6	
35	Sigembir	Penyamun	8	Kota Sungai Liat	8	
36	Tanjung Beri- kat	Lubuk Besar	32	Koba	32	7
37	Payung	Simpang Rim- ba	28	Payung	28	1
38	Simpang Rím- ba	Sebagian	19	Payung	19	2
39	Bedengung	Payung	16	Payung	16	3
40	Bedengung	Batu Betum- pang	23	Payung	23	4
41	Air Gegas	Bedengung	24	Payung Taboali	3 21	5
42	Simpang Tan- jung Antu	Tanjung Antu	3	Kota Sungai Liat	3	
43	Simpang Kepoh	Kepoh	13	Taboali	13	
44	Toboali	Tirem	24	Taboali	24	10
44 a	Tirem	Tukak	2	Taboali	2	I.L.N no. 123

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 : Sumatera Selatan

KABUPATEN: Bangka

LINK	BEGINNING POINT	END POINT	LENGTH	THROUGH TH NAME & LE		DEMADUC	
NO.	(DESA NAME)	(DESA NAME)	(км)	KEC. NAME	LENGTH (KM)	REMARKS	
45	Toboali	Sungai Gu- nung	16	Taboali	16	9	
46	Tirem	Pasir Putih	14	Taboali	14	11	
47	Sadai	Pinang Tung- gal	6	Taboali	6	12	
48	Simpang Tan- jung Sangkar	Tanjung Sang- kar	10	Lepar Pondok	10	· · · · · · · · · · · · · · · · · · ·	
49	Tanjung Labu	Penutuk	9	Lepar Pondok	9		
50	Lumut	Gedung	2.	Belinyu	2		
51	Sencong	Mengkudung	11	Belinyu	11		
52	Belinyu	Simpang Tiga	5	Belinyu	5		
52 a	Simpang Tiga	Simpang Pa - rit	5	Belinyu	5	I.L.N no. 124	
52 Ъ	Simpang Pa- rit	Parit	11	Belinyu	11	I.L.N no. 125	
52 c	Sp.Parit	Bubus	5	Belinyu	5	I.L.N no. 126	
53	Simpang Tiga	Simpang Pesa- ren	7	Belinyu	7	27	
54	Simpang Pesa- ren	Pesaren	9	Belinyu	9	29	
55	Simpang Pesa- ren	Pejem	13	Belinyu	13	28	
56	Simpang Ma- pur	Tuing	14	Belinyu	14	26	
57	Pantai Rebo	Sungai Liat	15	Kota Sungai Liat	15	22	
58	Sungai Liat	Bakam	39	Kota Sungai	39	21	
59	Kenanga	Tanjung Ratu	5	Liat Kota Sungai Liat	5		
60	Bedukang	Sungai Liat	8	Kota Sungaį Liat	8	23	
61	Balunijuk	Jabe	7	Merawang	7		
62	Batu Rusa	Pukan	6	Merawang	6	· · · · ·	
63	Buyan	Saing	5	Merawang	5		
64	Rukam	Petaling	14	Pangkal Pi- nang	14	13	
65	Ps.Garam	Rukam	-15	Mendo Barat Pkl. Pinang	<u> </u>	14	

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 : Sumatera Selatan

#### KABUPATEN: Bangka

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LINK	BEGINNING POINT	END POINT	LENGTH	THROUGH T NAME & LE		- REMARKS
NO.	(DESA NAME)	(DESA NAME)	(км)	KEC. NAME	LENGTH (KM)	
65 a	Rukam	Kota Kapur	23	Pkl.Pinang Merawang	15.5 7.5	I.L.N no. 128
66	Simpang Ma - nunggal	Tuik	5	Kelapa	5	
66 a	Tuik	Beruas	6	Kelapa	6	I.L.N no. 129
_67	Kacung	Pangkal Be – ras	12	Kelapa	12	
68	Simpang Bu- lin	Payak	9	Kelapa	9	30
69	Sungai Buluh	Pebuar	9	Jebus	9	
70	Pangkal Men- duk	Air Pandan	17	Merawang Pkl.Pinang	16.5 0.5	
71	Batu balai	Menjulang	3	Mentok	· 3	
72	Teluk Limau	Cupat	5	Jebus	5	35
73	Teluk Limau	Pala	4	Jebus	4	36
74	Pelawan	Teluk Limau	6	Jebus	6	37
75	Sinar Klabat	Pelawan	5	Jebus	5	38
76	Mayang	Rambat	12	Mentok	12	
77	Kampung Pa- sir	Simpang Kera- kas	-9	Sei.Selan	9	
78	Munggu	Simpang Kam- pung Pasir	4	Sei.Selan Payung	0.5	
79	Koba	Lubuk Besar	33	Koba	33	6
80	Simpang Tepus	Tepus	27	Taboali.	. 27	
81	Penganak	Jebu Darat	14	Jebus	14	
82	Jebus	Parit III	8	Jebus	8	-
83	Bangka Kota	Munggu	9	Sei.Selon	9	20
84	Rebo	Air Anyer	13	Sungai Liat Merawang	6.5	-
85	Lubuk Kelik	Simpang Pe - mali	8	Sungai Liat	8	
86	Tepus	Lubuk Besar	23	Koba	23	
87	J1.A.Yani	Martadinata	14	Sungai Liat	14	

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 : Sumatera Selatan

KABUPATEN: Bangka

LINK	BEGINNING POINT	END POINT	LENGTH	THROUGH TH NAME & LE		DEMADUO
NO.	(DESA NAME)	(DESA NAME)	(км)	KEC. NAME	LENGTH (KM)	- REMARKS
88	Kantor Camat	J1.Damai	3	Belinyu	3	
89	J1.Baru	Jl.Balai	2	Merawang	2	~
90	Sp.Air Duren	Sp.Surau	1	Petaling	1	-
91	J1.Begadang	Jl.Mari Ayu	2	Kelapa	2	
92	Jl.Tamansari		1	Jebus	1	
93	J1.Senanghati	J1.Yos.Sudar*	4	Mentok	4	
94	J1.Baru	Jl. Balar	2	Sei Selan	2	
95	Jl. Laut	J1.Senanghati	2	Koba	2	
96	J1.Sp.SMP	Sp.Terminal	· 1	Payung	1	
97	J1.Manunggal	Jl.Safri Rachmat	6	Taboali	6	
98	Simpang Mat- tras	Sungai Liat	5	Kota Sungai Liat	5	
99	Lampur	Keretak	9	Sungai Selan	9	
100	Payak	Rukam	7	Jebus Kelapa	1 6	31
101	Penyampak	Pancur	12	Kelapa	12	
102	Suka1	Terabek	13	Mentok	13	40
103	Kundi	Sukal	7	Mentok	7	41
104	Penagan	Tanjung Te- dung	10	Merawang	10	. 15
105	Bedukang	Deniang Laut	8	Sungai Liat	8	
106	Belanak	Kundi	3	Mentok	3	8
107	Sarang Mandi	Tanjung Te- dung	20	Sei.Selan Merawang	<u>14</u> 6	
108	J1.Dlm.Kota Sungai Liat		84	Sungai Liat	84	
109	J1.Dlm.Kota Belinyu		21	Belinyu	21	
110	Jl.Dlm.Kota Baturusa		7	Merawang	7	I.L.N no. 13 no. 13
111	J1.Dlm.Kota Petaling		2	Petaling	2	10, 13

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 : Sumatera Selatan

KABUPATEN: Bangka

LINK	BEGINNING POINT	END POINT	LENGTH	THROUGH T NAME & LI		REMARKS
NO.	(DESA NAME)	(DESA NAME)	(KM)	KEC. NAME	LENGTH (KM)	
112	Jl.Dlm.Kota Kelapa		5	Kelapa	5	I.L.N no. 13 no. 13
113	J1.D1m.Kota Jebus		5	Jebus	5	I.L.N no. 14 no. 14
114	J1.Dlm.Kota Mentok		17	Mentok	17	
115	J1.Dlm.Kota Sungai Selan J1.Dlm.Kota		5	Sei.Selan	5	
116	Koba		15	Koba	15	
117	J1.Dlm.Kota Payung		4	Payung	4	
118	Jl.Dlm.Kota Toboali		13	Taboali	13	
119	Simpang Ku- lur	Kulur Ilir	7	Koba	7	
120	Cengeb Ju- rung		4	Merawang	4	
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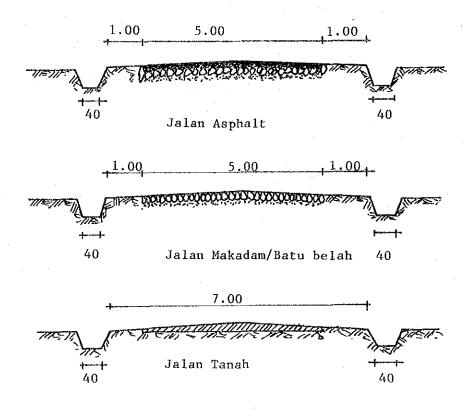
Please note the priority No. in the Remarks of this list for each links No. according to the each Kabupaten's development plan.

1.L.N = Input Link Number.

What Kind of Design Criteria has being applied for the new road construction and the improvement for the Kabupaten Road ? Kriteria Perencanaan yang dipakai pada program penanganan jalan Kabupaten, baik untuk jalan lama maupun pembangunan baru.

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

TYPICAL CROSS SECTION.



# KABUPATEN: Bangka

### LOCATION AND COSTS OF THE KABUPATEN

#### ROADS CONSTRUCTED OR INPROVED IN 1980/1981

### Biaya konstruksi penanganan

### jalan dan jembatan Kabupaten thn. 1980/1981

LINK NO .:	LOCATION From - To	Lebar per- kerasan(m)	Type per- kerasan	LENGTH Panjang	COSTS 'Harga	REMARKS Keterang;
Nomor Ruas	(dari - ke)	Lebar Jembatan 5	Type Jembatan Earth	( KM ) 7	(Rp 10 <sup>6</sup> )	an
60	SP. Matras - Hakok - Matra	1 <sup>S</sup> 6	Beton	5 m		
- 87	Dalam Kota Sungailiat	5	Asphalt -	4		
49	Penuntuk - Tj. Labu	5	Earth	23	81,325	
44	Toboali ~ Tirem ~ Tukak	<u>6</u> 5	<u>Timber/Beton</u> Earth	<u>39 m/3 m</u> 12.5	11,812	- <u></u>
		7	- Asphalt	22	28,472	······
87	Dalam Kota Sungailiat	5	- Earth	- 7		
46	Tirem - Pasir Putih	5	Earth	- 5	7,786	
47	Pinang Tunggal - Sadai	-			3,379	
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\* 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

6-A-10

E-03-(1)

E-03-(2)

#### KABUPATEN: Bangka

# LOCATION AND COSTS OF THE KABUPATEN

# ROADS CONSTRUCTED OR INPROVED IN 1981/1982

Biaya konstruksi penanganan

jalan dan jembatan Kabupaten thn. 1981/1982

LINK NO Nomor	LOCATION From - To	Lebar per- kerasan(m)	Type per- kerasan	LENGTH Panjang	COSTS Harga	REMARKS Keterang
Ruas	(dari ~ ke)	Lebar Jembatan	Type Jembatan Earth		(Rp 10 <sup>6</sup> )	an
58	Sungailiat - Bakan	5	Earth Beton	20.95 6 m	49,706	ana na mangangangang na mang kananan gina mang
: 20	Sp. Air Bello - Bellolaut	5	Earth	5	15,990	- <del>169 1000 (100) (1000 </del>
	· · · · · · · · · · · · · · · · · · ·	4 5	<u>    Timber</u> Earth	<u>21</u> 12.7		
43	Sp.Kepoh-Rindik-Kepoh	4	Timber	26	25,278	
77	Sp.Karakas-Sp.Kp. Pasir -	5	Earth	9.13	51,360	· · · · · · · · · · · · · · · · · · ·
	Kp. Pasir Petaling-Air Duren-Balu	4	Timber Earth	8		
18	nijuk - Penegang				28,539	
30	Petaling - Menduk	5	Earth	18	16,821	
15	Cimpana Daba Davida Davida	5	Asphałt	7.7		
	Simpang Rebo - Pantai Rebo	9	Asphalt			
89	Dalam Kota Sungailiat		- nophare		-	
64	Petaling - Rukom	5	Earth	15		
40		<u>6</u> 5	Beton Earth	<u> </u>		
	Bedengung - Batubetumbang		Earth	-	30,000	-
94	Dalam Kota Sungaiselan	5 4	Timber	2.8 12 m	15,000	
49	Tanjunglabu -Tunjungsangka	5 .	Earth	26	55,000	1
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\* 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

#### KABUPATEN:Bangka

#### LOCATION AND COSTS OF THE KABUPATEN

#### ROADS CONSTRUCTED OR INFROVED IN 1982/1983

### Biaya konstruksi penanganan

### jalan dan jembatan Kabupaten thn. 1982/1983

			موجعة المالية بين عن مالية اليوجع جمع وحصر وحصر المالية الم		h	
LINK	LOCATION	Lebar per- kerasan(m)	Type per- kerasan	LENGTH Panjang	COSTS Harga	REMARKS
NO Nomor	From - To		· · · · · · · · · · · · · · · · · · ·	raujang		Keterang
Ruas	(dari - ke)	Lebar Jembatan	Type Jembaran	( KM )	(Rp 10 <sup>6</sup> )	an
************************	Tirem - Pinang Tunggal -	<u>5</u>	Earth	20	94,050	
46-47	Pasir Putih - Sadai	6	Beton	23	94,050	
,	Sp. Pesaren - Tambang <sup>2</sup> -	5	Earth	8.2	77,900	************************
55	Pejam	6	Beton	54	17,200	•
37	Lubuk Besar - Sp.Batu Be	5	Earth	26	140,600	ana Maja di Katalan Inga menghintan di majang Kata
36	rigak - Berigak - Tanjung Berikat	6	Timber/Beton	54	140,000	
		9	Asphalt	11.73	171 750	
87	Dalam Kota Sungailiat	<b></b>			- 171,750	
0.0		9	Asphalt	4	70 760	
88.:	Dalam Kota Belinyu	6	Beton	3 m	79,769	
E ")	Quant 11 the Die Dates Date	5	Asphalt	25.2		and the state of t
57	Sungailiat-Bk.Batu-Rebo	· · · · ·			189,400	
39	Payung - Bedengung	5	Earth	21	20,120	
72	rayung - bedengung	4	Timber	99 m	20,120	
40	Bedengung - Batu Betimpang	5	Earth	23	28,350	
40	bedengung - bara berimpang	4	Timber	40 m	20,550	
69	Rungad Buluh - Dahuan	5	Earth	6	10,409	
09	Sungai Buluh - Bebuar		-		10,405	
67	Kasung - Denghal Paras	5	Earth	12	22,614	
07	Kacung - Pangkal Beras	4	Timber	18	22,014	
07		8	Asphalt	3	4,756	
87	Dalam Kota Sungailiat	No.	-		4,750	
11	Pudingbesar - Kotawaringin	5	Earth	23.5	41,000	
		4	Timber	24 m		
12	Saing - Sp. Buyan - Kelum	5.	Earth	12.2		
	bi - Sangku	4	Timber	6	20,000	
16	Simpang Jurung ~ Sempan	- 5	Asphalt	11.5	5,934	
					-	
87	Dalam Kota Sungailiat	8	Asphalt	7	- 18,463	
		5	Earth	16		
49	Tanjunglabu - Tanjung				12,994	
	Sangkar	4.5	Timber Apphalt	<u>6 m</u>		-
97	Dalam Kota Toboali		Asphalt		- 50,210	
·····	l	-	-	~		<u></u>

\* 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

6-A-12

E-03-(3)

#### E-03~(4)

### KABUPATEN: Bangka

# LOCATION AND COSTS OF THE KABUPATEN

# ROADS CONSTRUCTED OR INPROVED IN 1983/1984

### Biaya konstruksi penanganan

# <u>jalan dan jembatan Kabupaten thn. 1983/1984</u>

LINK NO Nomor Ruas	LOCATION From - To (dari - ke) Kd. Koba - Sp.Tj. Antu	Lebar per- kerasan(m) Lebar Jembatan	Type per- kerasan Type Jembatan	LENGTH Panjang ( KM )	COSTS Harga (Rp 10 <sup>6</sup> )	REMARKS Keterang <del>,</del> an
29	Bedukang - Kuala Mapur	6	Beton	20 m	8,725	
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\* 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: Bangka

# LOCATION AND COSTS OF THE KABUPATEN

## ROADS CONSTRUCTED OR INPROVED IN 1984/1985

### Biaya konstruksi penanganan

· jalan dan jembatan Kabupaten thn. 1984/1985

101	From - To (dari - ke) Payak - Rukam Penyampak-K.Manau-Bk.Batur	kerasan(m) Lebar Jembatan 5 <u>6</u> 5	Type _lembatan Earth	Panjang ( KM ) 4.85	Harga (Rp 10 <sup>6</sup> )	Keterang; an
100 101	Payak - Rukam	5 6	Earth			
	Penyampak~K.Manau ~Bk.Batur				101,000	ing and a second se
	Penyampak-K.Manau-Bk.Batur		<u>Beton</u> Earth	17 m 12		
98	وسترجيع والمراجع والمراجع والمراجع والمحال	6	Beton	30 m	270,750	
	Jln. Laut - Hakok	5	Earth	4.65	86,120	
		6	Timber	60 m		
02	Kedardong - Rukam	5	Earth	15	131,600	
		<u>6</u> 5	Timber/Beton	12m/19m 8.2		
85	Lubuk Kelik - Sp. Pemali	-	Asphalt		120,316	•
88	Dalam Kota Belinyu	5	Asphalt	3.7	87,703	
	baram Koca berinyu		Beton	2 m	07,705	
87	Dalam Kota Sungailiat	5	Asphalt	3.7	65,385	
		6 5/9	Beton Asphalt	3 m 2.3		
97	Dalam Kota Toboali	6	Beton	4	79,980	•
0.2		9	Asphalt	1.2	64,421	
93	Dalam Kota Mentok	**		-		
87	Dalam Kota Sungailiat	5/7/9	Asphalt	35.5	50,600	· · · .
30	Petaling - Menduk	5	Earth	18	40 570	
	recalling - menuuk	4	Timber	3.5 m	43,578	
11 '	Puding Besar - Menduk	-	-	-	22,753	-
		4	Timber	21 m	-	
30	Petaling - Menduk	6	Timber	2.5 m	7,500	
E0	Sungailiat - Penyamun				15,000	
58	- Bakam	6	Beton	3 m 3 m	15,000	
95	Dalam Kota Koba	4.5	Asphalt -	3 m	22,500	
1	Dalam Kota Sungailiat	5	Asphalt	12	17,069	
	Sp.Jurung - Sempan			12.5	**	
	Sukal - Tanjung Punai - Pangkal Ahoi - Trabek	5	Earth Timber/Beton	13.5 26 m	-235,350	

\* 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

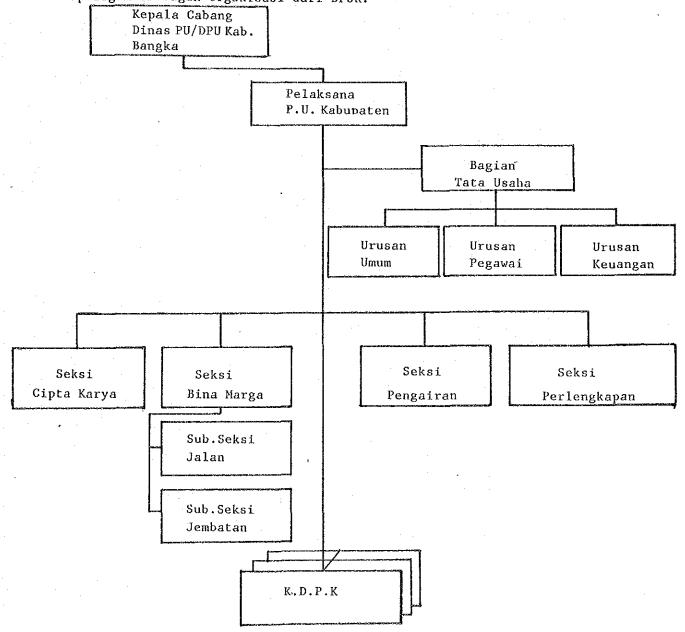
E-03-(5)

KABUPATEN:Bangka

### 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.



Note:

K.D.P.K : Koord Daerah Pengamatan Kerja (kecamatan).

# EXISTING STAFF RESOURCES OF BINA MARGA OF PU KABUPATEN

### Tenaga Dinas PUK yang ada

PROPINSI: Sumatera Selatan KABUPATEN:Bangka

DESCRIPTION /Uraian	NUMBER / Jumlah	REMARKS Keterangan
CONTROLING STAFF Staff teknis PUK	(25)	(8)
DPUK ENGINEED Sarjana Teknik	1	1
ASSISTANT ENGINEER Sarjana Mudā Teknik	3	1
TECHNICIAN STAFF Staff Teknik (STM)	21	6
ADMINISTRATION Tenaga Administrasi	12	4
SUPERVISOR Tenaga Pengawas	16	5
. WORKING FORCE Tenaga Pelaksana Lapangan	(15)	(9)
OPERATORS Operators	6	5
DRIVERS Supir	2	1
MECHANICS Nechanic	4	3
TRADESMAN Tukanğ	3	-
LABOUR Buruh / Pekerja	2000 - 2000	
OTHERS Lain-lain		
TOTAL / JUMLAN	68	26

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

### LOCATION AND AREA OF DPUK WORKSHOP

#### Lokasi Workshop DPUK

# PROPINSI : Sumatera Selatan

KABUPATEN: Bangka

LOCATI Lokasi		AREA (m2) Luas	NUMBER Jumlah	REMARKS Keterangan
Sungai	liat	20.000	1	Rencana
an in an		, and <sup>20</sup> Construction of a second		

# PROPINSI: Sumatera Selatan

KABUPATEN: Bangka

E-07

#### LAND ACQUISITION COST Daftar harga pembebasan tanah

DESCRIPTION Uraian	UNIT Satuan	RATE (RP) Harga	REMARKS Keterangan
CITY/kota	M2	5,000	na an a
VILLAGE / desa	M2		
RICE FIELD/sawah	M2		
DRY FIELD/1adang	N2		
MIX CROPS/ <b>p</b> anen	M2		
FOREST/hutan	M2		
SWAMP / rawa	M2		
OTHERS / lain-lain	M2		

### KABUPATEN, Bangka

•

# 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
2	A2	75,000,000	3	
2	B2	37,500,000	3	
6	C1	12,580,000	3	a a construction a co
29	C2	4,052,000	3	
4	C3	2,750,000	2	· · · ·
	:			
				······································
an sea an				
			and the set of the definition of the Chamman of the set	and the second
۲. / ۲	and the second			ىرىنى بىرىنى بىرىن بىرىنى بىرىنى بىرىنى بىرىنى
· · · · · · · · · · · · · · · · · · ·				
a lan anna a gu an anna an a				
				an dan sa <mark>mang kang kang kang kang kang kang kang k</mark>
			1	a na an internet and a start of the start of
·				
				the contract of the second

NOTE: DATI II

6-A-20

·

# KABUPATEN: Bangka

### LIST OF EXISTING EQUIPMENT OF LOCAL CONTRACTOR

Name of contractor

.

NAME OF EQUIPMENT	EXISTIN	g coni	DITION/	Kondi	si Peral	latan	REQUIRE -
Jenis peralatan	TYPE/	P.Y		R / Ju		REASON OF BAD CONDT	MENT / Ke- butuhan
	Tipe		GOOD Baik	BAD Rusak	TOTAL Jumlah	[ION/Sebal Kerusakan	peralatan baru
'Bulldozer			2	:3	2		-
Motor Grader			3,		3		and and a second se
Tyre Roller				· • • • • • • • • • • • • • • • • • • •			
Steel Whell Roller		A BOARDON	9	1	10	onderdil nothing	
Vibration Roller							
Wheel Loader			3	_	3		
Front End Loader and Backhoe							
Mobile Crane							
Concrete Mixer			1	-	1		
Stone Crusher							
Portable Compressor			2		2		
Nydraulic Excavator							
Asphalt Paving Machine							
Asphalt Sprayer			1	-	1		·
Asphalt Mixing Machine						-	
Mobile Workshop							
Mechanic Rammer							
Plate Tamper							
Pile Driver							 
Leg Drill				_			
Hand Hammer			5		5		\ <u>\</u>
Farm Tractor							
Dump Truck			4		4		
Water Tank Truck			1		1		
Fuel Tank Truck					-		
Pick Up			10		10	. : 	
Jeep			5		5		
Motorcycle			20		20		
Generator			3		3		
Water Pump	-						
Others							
-		<u> </u>					

6-A-21

E-09

KABUPATEN: Bangka

### LIST OF EXISTING EQUIPMENT OF P.U KABUPATEN

Name of contractor

.

NAME OF EQUIPMENT	EXISTI	NG CON	DITION	/ Kond	isi Pera	latan	REQUIRE -
Jenis peralatan	TYPE/ Tipe	P.Y	NUMB GOOD Baik	ER / Ju BAD Rusak	TOTAL	REASON OF BAD CONDT FION/Sebal Kerusakan	b 3 14 11
'Bulldozer							3
Motor Grader		-		-			4
Tyre Roller						**************************************	4
Steel Whell Roller	••••••••••••••••••••••••••••••••••••••	1	3	3	6		4
Vibration Roller	· · · · · · · · · · · · · · · · · · ·		1				2
Wheel Loader			1	-	1 ,		2
Front End Loader and Backhoe	<u></u>						1
Mobile Crane	<u> </u>						-
Concrete Mixer					-		2
Stone Crusher			·_ ·	1	1		1
Portable Compressor							2
Hydraulic Excavator							
Asphalt Paving Machine					- <u></u>		**
Asphalt Sprayer			:				3
Asphalt Mixing Machine							
Mobile Workshop							2
Mechanic Rammer							1
Plate Tamper			4	-	4		-
Pile Driver						н — 1, н н	1
Leg Drill	· ·						2
lland Nammer	A.	•					۱. 
Farm Tractor							
Dump Truck		******					8
Water Tank Truck	2.1						2
Fuel Tank Truck		1982	1	-	1		
Pick Up					-		
Jeep							2
Motorcycle			2	-	2		8
Generator					·····		2
Water Pump							2
Others (sheep foor roller)							2

Appendix A-3

CONSTRUCTION AND MAINTENANCE COST FOR PROPOSED ROAD LINKS

PROV	ä	SUMATERA SELATAN	Kab Bangka
LINK ND	:	103 (1119-2)	LENGTH : 7 Km

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

1 T E X	UNIT	Y T T TRAUG	. ((( UNIT	COST >>> FORELGN	<<< LOCAL	<<< COST Foreign	. <<<<<
Sile Clearance in Light Bush	#2	0.0	162	<b>D</b> 4			
Subgrade Preparation	m2		21	91	U O		
Normal Fill	. 63	0.0		- 11	0	U	ļ
Fill in Swamp		0.0	1,667	961	. 0	. U	(
Normal Excavation to Spoil	e3	0.0	2,449	1,050	0	0	
Sub Pase Course	#3 	0.0	974	521	9		
Base Course	83	1598.5	3,093	1,344	4,944,160		7,092,54
	<b>s</b> 3	1680.0	4,276	2,295	7,183,680	3,855,600	
Shoulder	. @2	21000.0	293	145	6,153,000	3,045,000	9,198,000
Asphalt Fatching	ล2	0.0	3,888	1,375	0	. 0	
Surface Dressing (Single)	a2	0.0	659	595	. 0	0	
Surface Dressing (Double)	× #2	• - •	813	935	0	0	
Earth Drain	A	0.0	986	117	0	Û	!
Earth Drain in Swamp (by machine)	· #3	0.0	1,205	473	0	0	4
Pipe Culvert D80cm	R.	0.0	45,443	44,495	0	0	ſ
Hasonry Culvert (80x80cm)	<u>a</u>	0.0	64,708	38,085	0	0	
Retaining Hall and Hing Hall (Timber)	s2	0.0	15,441	245	0	()	
Retaining Wall and Wing Wall (Masonry)	#3	0.0	46,893	11,775	. 0	0	
Gabion Protection	63	0.0	13,174	120	¢	()	1
Hen Bridge (Timber)	SET	1.0			0	0	
New Bridge (Concrete)	SET	1.0			0	0	
			Sub Total		18,280,840	9,048,984	27,329,82
Overhead (15%)					2,742,126	1,357,347	4,099,47
					21 023 077	10 402 771	
			TOTAL COST		21,022,966	10,408,331	31,429,29
Hanual routine maintenance of road	Ka	7.0	162,540	7,248	1,137,780	50,736	(,188,5)
Routine maintenance of gravel road	Ka	7.0	188,778	87,939	1,321,446		
sector = athreside of grater rood	P1.0		Sub Total	01101	2,459,226		3,125,53
laintenance of Timber Bridge (New)	<b>¤</b> 2	0.0	7,888	1,343	1,101,1220		01120100
Naintenance of Concrete Bridge (New)	#2		2,081	2,805	0	Ő	1
taintenance of Timber Bridge (Exist)	#Z		8,658	2,513	2,813,850		3,630,57
faintenance of Concrete Bridge (Exist)	#2		4,130	2,403	1,010,030	0101113	1000101
internance of outprete er toge startser		0.0	1,100			. •	
			Earthwork &			Rp/Ka} i	4,489,9(
			Timber	•		Rp/m2) :	
	÷.,		Concrete	Bridge l	Init Cost (	Rp/#2) :	
			Sur vi ved	Value		(Rp) :	3,546,27
			Kaintenance	Rate withou	ıt Bridge	(%) ;	9.9
			New Bridge	a 1 h 1 '		(%) :	

FROV : SUMATERA SELATAN KAB : BANGKA

LINK ND : 102 (IIIB-1)

LENGTH : 13 Km

(Rp)

UPGRADE : 7.0m road bed, 4.0m road with surface Dressing (1)

 ТТЕН			((( UNET	cost >>>	(((	((COST	<b>&gt;&gt;&gt;&gt;&gt;</b>
	UNIT	QUANTITY	LOCAL	FORELGN	LOCAL	FORELGH	TOTA
				**************************************			
Site Clearance in Light Bush	e2	16000.0	162	91	2,592,000	1,456,000	4,048,00
Subgrade Preparation	-2	35000.0	21	11	735,000	385,000	1,120.00
Normal Fill	43	0.0	1,667	861	. 0	0	
Fill in Shamp	#3	0.0	2,449	1,050	0	0	and the
Yormal Excavation to Spoil	#3	352.0	974	521	342,848	103,392	526,2
Sub Base Course	n3	5285.0	3,093	1,344	16,346,505	7,103,040	23,449.5
Base Course	#3	3640.0	4,276	2,295	15,564,640	8,353,800	23,918,44
Shoulder	#3 s2	39000.0	293	145	11,427,000	5,655,000	17,082.00
	#2	0.0	3,998	1,375	0	-0	
Asphalt Patching	62		5,000	595	34,268,000	30,940,000	65,208,00
Surface Dressing (Single)			813	935	011001000	0011101000	
Surface Dressing (Double)	#2	0.0			V A	. 0	· · · ·
Earth Drain	8	0.0	985	119	۰ ۱	N	
Earth Drain in Swamp (by machine)	ø3	0.0	1,205	473	U A	V A:	÷
Pipe Culvert D80cm	8	0.0	45,443	44,495	U	U	
Hasonry Culvert (80x80cm)	A	0.0		38,085	0		
Retaining Wall and Wing Wall (Timber)	<b>n</b> 2		15,441	245	U	U	
Retaining Wall and Wing Wall (Masonry)	e3	0.0	45,893	11,775	Q	0	
Gabion Protection	#3		13,174	120	0	0	
New Bridge (Timber)	SET	1.0		'	3,597,072	460,514	4,047,5
New Bridge (Concrete)	SET	1.0			0		
			Sub Total		84,863,065	54,536,745	139,399,8
Overhead (15%)	•				12,729,459	8,180,511	20,909,9
			TOTAL COST		97,592,524	62,717,257	160,309,7
lanua) routine maintenance of road	Ke	13.0	162,540	1,248	2,113,020	94,224	2,207,2
loutine maintenance of asphalt road	Ka	13.0	388,800	137,500	5,054,400	1,787,500	6,841,9
			Sub Total		7,167,420	1,801,724	9,049,1
laintenance of Timber Bridge (New)	a2	16.0	9,888	1,343	158,208	21,499	179,8
laintenance of Concrete Bridge (Nex)	#2		2,081	2,805	0	. 0	
laintenance of Timber Bridge (Exist)	#2		8,658	2,513	1,246,752	361,872	1,608,6
Maintenance of Concrete Bridge (Exist)	62		4,130	2,103	148,690	86,508	235,1
lencenance di Guncièce di Luge (Lalaci		0010	11100	.,	1101000	001000	- couji
******							
		· · · ·	Farthwork L	Pavement Un	nit Cost (f	lp/Kn) :	° 11,973,4
			Loi thindrik a				
				Bridge Un	nit Cost 🛛 (I	(p/m2) :	
			Tieber	Bridge Un	nit Cost 🛛 (I	(p/n2) : (p/n2) :	290,9
			Timber Concrete Survived	Bridge Ur Bridge Ur	nit Cost (l nit Cost (l	(p/m2) :	290,9 21,198,3 5.

PROV

KAB : BANGKA

LINK ND : 78 (111A)

ų

SUMATERA SELATAN

LENGTH : 5 Km

(Rp)

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

JIEN .	fini t	QUANTITY	COCAL	COST >>> Foreign			>>>>>>
		40801111	LUUHL	F OAL 18A	LOCAL	FOREIGN	TOTAL
Site Clearance in Light Bush	e2	0,0	162	91	0	. 0	
Sungrade Preparation	#2	0.0	21	- 11	0	Ú Ú	
Normal Fill	<b>m</b> 3	0.0	1,667	861	ů N	Ū A	
Fill in Swamp	ъЗ		2,449	1,050	ů	- 0	
Normal Excavation to Spoit	<b>a</b> 3	50.0	974	521	48,700	26,050	74,75
Sub Base Course	. e3	967.6	3,093	1,344	2,992,786	1,300,454	4,293,24
Base Course	e3	2000.0	4,276				
ihoul der	#2	15000.0	293	2,295	8,552,000	1,590,000	13,142,00
Asphalt Patching	#Z			145	4,395,000	2,175,000	6,570,00
Surface Dressing (Single)	#Z #2	0.0	3,888	1,375	. 0	0	
Surface Dressing (Double)	#Z #2	0.0	659 813	595	V 20 735 000	0	47 700 00
arth Drain				935	20,325,000	23,375,000	43,700,00
Earth Drain in Swamp (by wachine)	. R	2000.0	986	119	1,972,000	238,000	2,210,00
Pipe Culvert D80cm	B3	0.0	1,205	473		. O	
	a,	0.0	45,443	44,495	0	• 0	
Masonry Cuivert (80x80cm)	8	0.0	64,708	38,085	U	0	1.1
Retaining Wall and Wing Wall (limber)	m2		15,441	245	0	0	
tetaining Wall and Wing Wall (Nasonry)	#3		46,893	11,775	0	Q	
Gabion Protection	N3		13,174	120	0	0	
ien Bridge (Tinber)	SET	1.0			0	0	
lex Bridge (Concrete)	SET	1.0	<del></del>		0	0	
			Sub Total		39,285,486	31,704,504	69,989,99
Iverhead (15%)					5,742,822	4,755,675	10,498,49
			TOTAL COST		44,028,308	36,460,179	80,489,40
	۲.	5.0	112 540	7 240	010.000	71 940	D10 01
lanual routine maintenance of road	Ke		162,540	7,248	812,700	36,240	848,9
Routine maintenance of asphalt road	Ka	5.0	388,800 Cub Jakal	137,500	1,944,000	687,500	2,631,5
laintenaura al Timbur Deiden (Nou)	-1	ι. Λ Λ	Sub Total	1 747	2,756,700	723,740	3,480,4
laintenance of Timber Bridge (New)	#2		· 9,889	1,343	0	0	
faintenance of Concrete Bridge (New)			2,081	2,805		() 	2 333 F
faintenance of Timber Bridge (Exist)	n2 n2		8,659	2,513	3,572,724	949,914 0	4,222,6
laintenance of Concrete Bridge (Exist)	11 (	0.0	4,130	2,403			
· · · · · · · · · · · · · · · · · · ·			F				
			Earthwork &			/Ka) : :	16,097,6
			Tinber		•	/#2) ;	
	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		Concrete			/@2} +	
			Survived	Value		Rp) i	6,720,0
			Maintenance			X.) 1	4.
		the second second	New Bridge	Cost Rate	. (	χ) :	

PROV : SUMATERA SELATAN KAĐ : ĐANGKA LINK NO : 82 (IIIC) LENGTH : 8 Km

UPGRADE

: 7.0m road bed; 4.0m road with surface Subbase Cource

(Řp)

			1. Sec. 1.				intro 1
I T E #		*********		COST >>>		<< COST	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
	UNIT	QUANTITY	LOCAL	FOREIGN	LOCAL	FORELGN	TOTAL
Site Clearance in Light Bush	•2	0.0	162	91	. 0	, Q	0
Subgrade Preparation	#2 #2	0.0	21	11	.0	0	
Noraal Fill	#3	0.0	1 667	861	. 0	0	(
Fill in Swamp	#3	0.0	2,449	1,050	0	0	(
Normal Excavation to Spoil	#3	0.0	974	521	Ô.	- 0	
Sub Pase Course	#3 #3	615.0	3,093	1,344	1,902,195	876,560	2,720,75
Base Course	a3	1920.0	4,276	2,295	8,209,920	4,406,400	12,616,32
		24000.0	293	145	7,032,000	3,480,000	10,512,00
Shoulder	■2		and the second			314001000	104012100
Asphalt Patching		0.0	3,689	1,375	· 0	. V	
Surface Dressing (Single)	₽2	0.0	659	595	ų į	V	
Surface Dressing (Double)	•2	0.0	813	935	V		7 757 44
Earth Drain	1	3400.0	986	119	3,352,400	404,600	3,757,00
Earth Drain in Swamp (by machine)	, a3	0.0	1,205	473	0	0	
Pipe Culvert D80cm		0.0	45,443	44,495	0	. Q -	i.
Masonry Eulvert (80x80ca)	8	0.0	64,708	39,085	0		1
Retaining Wall and Wing Wall (Timber)	=2	0.0	15,441	245	0	0	
Retaining Wall and Wing Wall (Kasonry)		0.0	46,893	11,775	0	Q	
Gabion Protection	- m3	0.0	13,174	120	0	. · · 0	
New Bridge (Timber)	SET	1.0		÷	11,476,644	1,156,800	12,633,52
Nex Bridge (Cancrete)	SET	i.0			. 0	C	
		1. A.	Sub Total	• .	31,973,159	10,274,440	42,247,59
Overhead ( 15% )					4,795,973	1,541,166	6,337,13
			TOTAL CRET		71 310 673	11 015 101	10 601 11
			TOTAL COST	· · ·	36,769,132	11,915,606	48,584,73
Nanual routing maintenance of road	Ke	8.0	162,540	7,248	1.300.320	57,984	1,358,30
Routine waintenance of gravel road	Ks	8.0	188,778	87,939	1,510,224		2,213,73
noutine winterance of grater (page		0.11	Sub Total		2,810,514		3,572,0
Naintenance of Timber Bridge (New)	#2	80.0	9,886	1.343	791,040		878,46
Maintenance of Concrete Bridge (New)	#L #2		2,081	2,805	0		
Naintenance of Timber Bridge (Exist)	#2		8,658	2,513	1,519,479	and the second	1,960,5
Maintenance of Concrete Bridge (Exist)	a2		4,130	2,403	110171171	0	1110010
native hance of concrete of tuge (calst)	42	v.v	1,100	21100	· · · •	v	
			Earthwork &	Paymennt In	ik Cnek 10	()/(a) :	1,257,0
						lp/n2) :	181,6
						ا م م ا	10130
					ni cost (P		1 661 6
and the second				Yalue :		(Rp) :	1,091,5
			MainLaurer-	Dala	Orida-	(9)	
			Haintenance New Bridge		Bridge	(X) : : (X) : :	10.4 29.9

PROV

: LINK NO ŧ. SUMATERA SELATAN КАВ DANGKA ÷.

79 (IIIB-2) LENGTH : 33 Km

UPERADE \$

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

(Rp)

				1. A.		1	(Rp)
I T E H		see p	TIKU >>>	COST >>>	<b>}</b> }}}	<< COST	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
	UNIT	QUANTITY	LOCAL	FORELGN	LOCAL	-	TOTAL
······································		• <b></b> • • • • • •					
Site Clearance in Light Bush	#2	0.0	162		۵		
Subgrade Preparation	#Z		21	91	U IIII	Û Û	0
Normal Fill	8Z 83		-	11	(j	0	(I
Fill in Swaap	∎3 ≢3		1,667	861	v	Ű	Ų
Normal Excavation to Spoil	#J a3	0.0	2,447	1,050	Ų .	V	
Sub Base Course			974	521		V 101 316	U
Base Course	· 03	-	3,093	1,344	19,041,595	8,621,760	28,463,355
	e 2 - 3		4,276	2,295	33,865,920	18,176,400	52,042,320
Shoulder	e2		293	145	29,007,000	14,355,000	43,362,000
Asphalt Patching	÷ #2		3,880	1,375	0	0	0
Surface Dressing (Single)	· #2		659	595	. 0	• 0	0
Surface Dressing (Double)	#2		813	935	0	. 0	0
Earth Drain	ě	• • • • • •	986	119	986,000	119,000	1,105,000
Earth Drain in Swamp (by machine)	a3		1,205	473	0	0	0
Pipe Culvert D80cm	- 黄	0.0	45,443	44,495	0	0	0
Masonry Culvert (80x80cm)	- <b>-</b>	0.0	64,708	38,085	. 0	0	0
Retaining Wall and Wing Wall (Timber)	#2	0.0	15,441	245	0	0	0
Retaining Wall and Wing Wall (Nasonry)	- e3	Ò.O	46,893	11,775	0	0	0
6abion Protection	5a	0.0	13,174	120	0	0	0
Nex Dridge (liøber)	SET	1.0			0	0	0
New Bridge (Concrete)	SET	1.0	÷		0	0	0
			Sub Fotal		83,700,515	41,272,160	124,972,675
Overhead ( 15% )					12,555,077	6,190,824	18,745,901
		• .	TOTAL COST	 :	96,255,592	47,462,984	143,718,576
						· · · · · · · · · · · · · · · · · · ·	
Hanual routine maintenance of road	Ka		182,540	7,248	5,363,820	239 184	
Routine maintenance of gravel road	Ke	33.0	180,778	67,939	6,229,674	2,901,987	9,131,661
			Sub Total		11,593,494	3,141,171	[4,734,665
Naintenance of Timber Bridge (New)	s2	0.0	9,888	1,343	· 0	()	0
Naintenance of Concrete Bridge (New)	s2	0.0	2,081	2,805	0	0	. 0
Haintenance of Timber Bridge (Exist)	· #2	760.5	8,658	2,513	6,584,409	1,911,136	0,495,545
Maintenance of Concrete Bridge (Exist)	a2	0.0	4,130	2,403	· 0.	0	. 0
					÷		
·						*************	
			Earthwork &	Pavenent lk	it Cost (R	p/Km) :	4,355,108
			Tinper			p/m2) :	.,
		· · · ·	Concrete			p/m2) :	· · ·
			Survived	Value		(Rp) :	14,231,677
			Maintenance			(X) :	10.25
			nonnellanee	NOLE MILIUUU	011000	184 1	14.23

PROV SUMATERA SELATAN •

KAB BANGKA h

78 (IIIB-2) LENGTH : LINK NO ŝ

(Rp)

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

					· .		
ITEN	UNIT	QUANTITY	<<< UNIT Local	COST >>> Foreign	{{{{{{	COST FOREIGN	>>>>>> total
			***********		**********	*0*****	
NY OFFICIAL SET FALL BOAL	-9		162	. 91 .	0	··· 0	
Site Clearance in Light Bush	e2	0.0	21	1	0	ů.	ů N
Subgrade Preparation	#2	0.0		861	Ő	0	0
lormal Fill	ø3	0.0	1,667		0		А
ill in Swamp	#3	0.0	2,449	1,050			89,700
lormal Excavation to Spoil	#3	60.0	974	521	58,440	31,260	
ub Base Course	m3	868.0	3,093	1,344	2,684,724	1,166,592	
lase Course	a3	960.0	4,276	2,295	4,104,960		6,308,160
ihoul der	a2	12000.0	293	145	3,516,000	1,740,000	5,256,000
sphalt Fatching	· a2	0.0	3,909	L,375-	0	р бо <b>О</b> н	0
Curface Dressing (Single)	#2	0.0	659	575	0	. 0	ti ena la Q
urface Dressing (Double)	s2	0.0	813	935	0	0	. 0
arth Drain	B	0.0	988	117	<b>D</b>	. j. 0.	ſ
arth Drain in Swamp (by machine)	a 3	0.0	1,205	473	0	0	· C
Pipe Culvert DBOcm		38.0	45,443	44,495	1,726,834	1,690,810	3,417,644
lasonry Cutvert (80x80c#)		0.0	64,708	38,085	0.	0	<b>(</b>
Retaining Wall and Wing Wall (Timber)	»2	0.0	15,441	245	. 0.	0	
Retaining Nall and Wing Wall (Masonry)	nJ	12.8	45,893	11,775	600,230	150,720	750,950
abion Protection	#3	0.0	13,174	120	0	0	
	SET	1.0			. 0	Ó	(
lew Pridge (Timber)					0	0	
lew Bridge (Concrete)	SET	1.0			v	V.	
		n Ang tanàn	Sub Total	. *	12,691,188	6,982,582	19,673,770
Jverhead ( 152 )					1,903,678	1,047,387	2,951,065
				·			
			TOTAL COST	÷.,	14,594,866	8,029,969	22,624,835
·							
			:				
anual routine maintenance of road	Kæ	4.0	162,540	7,248			679,15
outine maintenance of gravel road	Ka	4.0	188,778	97,939	755,112	351,756	1,106,86
			Sub Total	;	1,405,272	380,748	1,786,020
laintenance of Timber Bridge (New)	#2	0.0	7,989	1,343	стан ( <b>1.0</b> ) на	0.	<ul> <li>111</li> </ul>
laintenance of Concrete Bridge (New)	#2	0.0	2,081	2,805	0	. 0	· · · · ·
laintenance of limber Bridge (Exist)	#Z	0.0	9,658	2,513		0	· (
laintenance of Concrete Bridge (Exist)	#Z	0.0	4,130	2,403		0	
							~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
			Farthwork L	Pavesent U	nit Cost (Rp/I	(a) :	5,656,20
					nit Cost (Rp/i		01030110
			Timber		•		
			Concrete		nit Cost (Rp/		
				Value	. (R)		1,925,65
· · · · · · · · · · · · · · · · · · ·				Rate withou			778
			New Bridge	Cost Rate	· (Z	) 1	

ΈRÔΥ SUMATERA SELATAN 2

KAB : BANGKA

LINK NO

2

77 (1118-2) LENGTH : 9 Km

UPGRADE : 8.0m road bed, 4.0m road with surface Base Cource

ITEX Sugar Second Digital	UNIT	QUANTITY	COCAL	COST >>> Foreign	>>> Local	<<< COST FORETON	>>>>>> Total
the ofference to the back		· · · ·					
ite Clearance in Light Bush	#2		162	91	0	0	0
ubgrade Preparation	i #2		21	· · · · · · · · · · · · · · · · · · ·	0	0	(
ornal Fill	63		1,667	861	0	Q	(
ill in Swamp	B.		2,449	1,050	0	0	(
lormal Excavation to Spoil	63		974	521	0	0	· (
ub Pase Course	B3		3,093	1,344	4,856,010	2,110,080	6,966,09
ase Course	R.		4,276	2,295	9,236,160	4,957,200	14,193,36
houlder	2		293	145	10,518,000	5,220,000	15,768,00
sphalt Fatching	: Rí		3,888	1,375	. 0	0	(
urlace Dressing (Single)	67		659	595	0	Q	· (
urface Dressing (Double)	\$.		813	935	0	0	
arth Drain			986	119	0	0	
arth Orain in Swamp (by machine)	<b>a</b> 3		1,205	473	÷ ÷ • 0	0	
ipe Culvert DBOcs	8		45,443	44,495	0	0	
lasonry Culvert (80x80c#)	6		64,708	38,085	0	0	
letaining Nall and Wing Wall (Timber)	₽2		15,441	245	0	0	
etaining Wall and Wing Wall (Masonry)			46,893	11,775	· · · · 0	0	
abion Protection	a.		13,174	120	0	0	
lew Bridge (Timber)	SE				Q	· 0	
lew Bridge (Concrete)	SEI	1.0	****		0	. 0	· · · ·
			Sub Total		24,640,170	12,287,280	36,927,45
lverhead ( 152 )					3,696,025	1,843,092	5,539,11
			TOTAL COST		28,336,195	14,130,372	42,466,56
anual routine maintenance of road	Ki	9.0	162,540	7,248	1,462,860		1,528,09
outine maintenance of gravel road	Ki	9.0	188,778	87,939	1,699,002	791,451	2,490,45
and a second			Sub Total		3,161,862	856,683	4,018,54
laintenance of Timber Bridge (New)	· #		4,888	1,343	0		•
laintenance of Concrete Bridge (New)	. A		•	2,805	0	-	
laintenance of limber Bridge (Exist)	<b>A</b> .		8,658	2,513			569,7
laintenance of Concrete Bridge (Exist)	<b>e</b> :	2 130.0	4,130	2,403 -	536,900	312,390	849,2
			······································				
			Earthwork &			(p/Ka) :	4,710,50
			linber			{p/#2} ;	
	1		Concrete		rit Cost (1	(p/a2) :	•
. · · · ·			Survived	Value Rate without		(Rp) : (X) :	3,483,04 9,4
						(2) :	

FROV

: SUMATERA SELATAN

74 (1110-2)

КАВ : ВОЛБКА

6 Km 🗉

(Rp)

LINK ND 👘

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

LENGTH :

ITEN			****	(( UNIT	COST >>>	))))))	COST	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
		UNIT	DUANTITY	LOCAL	FOREIGN	LOCAL	FOREIGN	101/
ite Clearance in Light Bush		#2	0.0	162	91	0	0.0	
ubgrade Preparation		n2	0.0	21	. 11	Q	0	1.1
loreal Fill		e3	0.0	1,667	861	0	• 0	
ill in Swamp		<b>8</b> 3.,	0.0	2,449	1,050	0	0	
ermal Excavation to Spoil	. •	aJ	0.0	974	521	• 0	0.	. <u>.</u>
ub Base Course		a3	1167.5	3,093	1,344	3,611,077	1,569,120	5,180,1
ase Course		23		4,276	2,295	6,157,440	3,304,800	9,462,2
houlder		a2	18000.0	293	145	5,274,000	2,610,000	7,884,0
sphalt Patching		<b>n</b> 2	0.0		1,375	-10	0	
urface Dressing (Single)	÷.,	a2-		659	595		Q	
urface Bressing (Bouble)		82	0.0	813	935	â	0	
arth Drain		्र भूर	1600.0	986	119	1,577,600	190,400	1,768,0
arth Drain in Swamp (by machine)		a a 3	0.0	1,205	473	1,377,000	130,100	
ipe Culvert DBOce		83. #	18.0	45,443	44,495	817,974	800,910	1,618,8
asonry Culvert (80x80c#)						/1/1 	000,110	1101010
etaining Wall and Wing Wall (Timber)			0.0	64,708	38,085 245	v	0	
		#2 	0.0	15,441		V	0	
etaining Wall and Wing Wall (Hasonry)		e 3	0.0	46,873	11,775		U	
abion Protection		63	0.0	13,174	120	U	Ų	
ew Bridge (limber)		SET	1.0			• 0	. 0	
еж Bridge (Concrete)		SET	1.0			Q	0	
				Sub Total		17,438,091	8,475,230	25,913,3
verhead (152)			•			2,615,713	1,271,284	3,886,9
				TOTAL COST	•	20,053,804	9,746,514	29,800,3
snual routine maintenance of road		K.	 6.0	162,540	7.248	975.240	43.488	1.018.1
			6.0 6.0	162,540 188.778	7,248	975,240	43,488 527,634	
		Ke Ko	6.0 6,0	188,778	7,248 87,939	1,132,668	527,634	1,660,
outine maintenance of gravel road		Kø	6.0	188,778 Sub Total	87,939	1,132,668 2,107,908	527,634 571,122	1,660,
outine maintenance of gravel road aintenance of Timber Bridge (New)	<b></b>	K 10 192	6.0 0.0	188,778 Sub Total 9,888	87,939 1,343	1,132,668 2,107,909 0	527,634 571,122 0	1,660,
outine maintenance of gravel road aintenance of Timber Bridge (New) aintenance of Concrete Bridge (New)	 	K 10 192 192	6.0 0.0 0.0	188,778 Sub Total 9,888 2,081	87,939 1,343 2,805	1,132,668 2,107,909 0 0	527,634 571,122 0 0	1,660, 2,679,0
utine maintenance of gravel road wintenance of Timber Bridge (New) wintenance of Concrete Bridge (New) wintenance of Timber Bridge (Exist)		K 10 192	6.0 0.0	188,778 Sub Total 9,888	87,939 1,343	1,132,668 2,107,909 0	527,634 571,122 0	1,660, 2,679,
outine maintenance of gravel road aintenance of Timber Bridge (New) aintenance of Concrete Bridge (New) aintenance of Timber Bridge (Exist)		KB 92 82 82	6.0 0.0 0.0 210.0	188,778 Sub Total 9,888 2,081 8,658	87,939 1,343 2,805 2,513	1,132,668 2,107,909 0 0	527,634 571,122 0 0 527,730	1,660, 2,679,0
outine maintenance of gravel road aintenance of Timber Bridge (New) aintenance of Concrete Bridge (New) aintenance of Timber Bridge (Exist)		KB 92 82 82	6.0 0.0 0.0 210.0	188,778 Sub Total 9,888 2,081 8,658 4,130	87,939 1,343 2,805 2,513	1,132,668 2,107,909 0 0 1,818,180 0	527,634 571,122 0 527,730 0	1,660, 2,679,0 2,345,0
outine maintenance of gravel road aintenance of Timber Bridge (New) aintenance of Concrete Bridge (New) aintenance of Timber Bridge (Exist)		KB 92 82 82	6.0 0.0 0.0 210.0	188,778 Sub Total 9,888 2,081 8,658 4,130	87,939 1,343 2,805 2,513 2,403 Pavement Un	1,132,668 2,107,909 0 0 1,818,180 0	527,634 571,122 0 527,730 0	1,660,3 2,679,0 2,345,9
outine maintenance of gravel road aintenance of Timber Bridge (New) aintenance of Concrete Bridge (New) aintenance of Timber Bridge (Exist)		KB 92 82 82	6.0 0.0 0.0 210.0	188,778 Sub Total 9,888 2,081 8,658 4,130 Earthwork \$	87,939 1,343 2,805 2,513 2,403 Pavement Un Bridge Un	1,132,668 2,107,909 0 0 1,818,180 0	527,634 571,122 0 527,730 0 Kel :	1,660,3 2,679,0 2,345,9
outine maintenance of gravel road aintenance of Timber Bridge (New) aintenance of Concrete Bridge (New) aintenance of Timber Bridge (Exist)		KB 92 82 82	6.0 0.0 0.0 210.0	188,778 Sub Total 9,888 2,081 8,658 4,130 Earthwork & Timber	87,939 1,343 2,805 2,513 2,403 Pavement Un Bridge Un	1,132,668 2,107,909 0 1,818,180 0 it Cost (Rp/1 it Cost (Rp/1 it Cost (Rp/1 it Cost (Rp/1	527,634 571,122 0 527,730 0 Kel 21 22 1	1,660,1 2,679,0 2,345,9 4,966,1
anual routine maintenance of road outine maintenance of gravel road aintenance of Timber Bridge (New) aintenance of Concrete Bridge (New) aintenance of Timber Bridge (Exist) aintenance of Concrete Bridge (Exist)		KB 92 82 82	6.0 0.0 0.0 210.0	188,778 Sub Total 9,888 2,081 8,658 4,130 Earthwork & Timber Concrete Survived	87,939 1,343 2,805 2,513 2,403 Pavement Un Bridge Un Bridge Un	1,132,668 2,107,909 0 1,818,180 0 it Cost (Rp/i it Cost (Rp/i it Cost (Rp/i (R) (R)	527,634 571,122 0 527,730 0 Kel 1 22 1 1 321 1 1 321 1 33 3 3 3 3 3 3 3 3 3 3 3 3	1,018,1 1,660,1 2,679,0 2,345,9 4,966,1 2,590,1 8

# PROV : SUMATERA SELATAN KAB : BANGKA

73 <u>(1110-1)</u>

LINK NO

UPGRADE

1

3

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

(Rp)

LENGTH : 4 Km

ITEN				COST >>>		((((	COST	»»»»»
	UNIT	QUANTITY	LOCAL	FORELGN	LOCA	L	FOREIGN	TOTA
Site Clearance in Light Bush	. <b>#</b> Z	0.0	162	91		0	0	
Subgrade Preparation	m2	0.0	21	́ Н		Q	0	
Normal Fill	83	0.0	1,667	861		0	0	
Fill in Swamp	<b>e</b> 3	0.0	2,449	1,050		0	0	
Normal Excavation to Spoil	a3	0.0	974	521		0	0	
Sub Base Course	<b>m</b> 3	780.0		1,344	2,412,54	0 1	048,320	3,460,80
Base Course	a3	1120.0	4,276	2,295	4,789,12		570,400	7,359,52
Shoulder	62		293	145	2,314,00		,160,000	3,504,0
Asphalt Patching	-2	0.0	3,898	1,375	• • •	0 1	0	01001100
Surface Dressing (Single)	#2	16000.0	659	595	10,544,00	-	,520,000	20,054,0
Surface Dressing (Double)	#2	0.0	813	935	101014100	<u>``</u>	10201000	1010010
Earth Drain	41L 8	1600.0	986	100	1,577,60	in in	•	1 760 0
Earth Drain in Swamp (by machine)	e 43	0.0	1,205	473	+1 <sup>1</sup> 111 <sup>100</sup>	Λ 	190,400	1,768,0
Pipe Culvert D90cm	6) 6	0.0	45,443	44,495		v 0	0	
fasonry Culvert (80x80cm)						ų A	V A	
	6	0.0	64,708	38,085		0	, Ų	
Retaining Wall and Wing Wall (Timber)	M2	0.0	15,441	245	• •	0	U A	
Retaining Wall and Wing Wall (Masonry)	- A3	0.0	46,893	11,775	1	U A	v	
Sabion Protection	a3 (57	0.0	13,174	120		0	Ų	
len Øridge (Tinber)	SET	1.0				0	. ŋ	
lew Bridge (Concrete)	SET	1.0				0.	0	
			Sub Total		21,667,28	i0 14	489,120	36,156,3
Dverhead ( 15% )					3,250,08	19 2	2,173,368	5,423,4
			TOTAL COST		24,917,34	9 18	662,488	41,579,8
fanual routine maintenance of road	Ke	4.0	162,540	7,248	650,10		28,992	679,1
loutine maintenance of asphalt road	Ka	4.0	380,000	137,500	1,555,20		550,000	2,105,2
			Sub Total		2,205,38	0	578,992	2,784,3
laintenance of Timber Bridge (New)	#Z	. 0.0	9,888	1,343		0	. 0	
faintenance of Concrete Bridge (New)	e2	0.0	2,081	2,805		0	0	
faintenance of Timber Bridge (Exist)	s2	120.0	8,658	2,513	1,038,9/	50	301,560	1,340,5
laintenance of Concrete Bridge (Exist)	a2	0.0	4,130	2,403		Q	Q	
			Tault	Deuters 1 H	5L 0	(D., 19. )	-	10 754 5
			Earthwork &		nit Cost	(Rp/Km)		10,394,9
	12		lisber	-	nt Cost	(Rp/e2)		
		÷	Concrete		uit Cost	(Rp/m2)		
			Survived	Value		(Rp f	:	3,694,5
				Rate without	. Or i dge	())	:	6.
			Nex Bridge	lost Rate		(7.)	:	

FRUV	\$	SUMATERA	SELATAN	KAB	ş	BANGKA
LINK NO	:	59 (111	Ð-1)	LENGTH	۲	5 Ka

UPGRADE : 7.0m road bed, 4.0m road with surface Dressing (1)

ITER	UNIT	QUANTITY	CCC UNIT	COST >>> Foreign	/////	COST FOREIGN	>>>>> TOTAL
te Clearance in Light Bush	#2	0.0	162	91	0	0	· (
byrade Preparation	#2	0.0	21	11	. 0	. 0	(
rmal Fill	<b>a</b> 3	0.0	1,667	861	0	0	2 <b>(</b>
11 in Swamp	nJ	0.0	2,449	1,050	. • 0	0	
rmal Excavation to Spoil	в3	0.0	974	521	. 0	0	1 - E I
b Rase Course	<b>#3</b>	936.0	3,093	1,344	2,895,048	1,257,984	4,153,03
se Course	#3	1400.0		2,295	5,986,400	3,213,000	9 199 10
oulder	<b>s</b> 2	15000.0	293	145	4,395,000	2,175,000	6,570,00
phall Patching	<b>5</b> 2	0.0	3,888	1,375	0	0	
rface Dressing (Single)	#2	20000.0	659	595	13,180,000	11,900,000	25,080,00
rface Dressing (Double)	a2	0.0	813	935	0	0	
rth Drain	9 9	0.0	986	119	ů	0	
rth Drain in Swamp (by machine)	#3	0.0		473		0	1. S.
pe Culvert D80cm	. 1	0.0	45,443	44,495	A	ů.	
sonry Culvert (80x80ca)		0.0	61,708	38,085	Ŷ	¢ A	
					0	v م`	
taining Wall and King Wall (Timber)	<b>≥</b> 2	0.0	15,441	245	v		
taining Wall and Wing Wall (Hasonry)	a3 - 7	0.0	46,893	11,775	v		•
bion Protection	₽3 art	0.0		120	0	v	
n Bridge (Tinber)	SET	1.0		~-	0	. 0	
n Bridge (Concrete)	SET	1.0	• • •		0	Ų.	. N.
			Sub Total		26,456,448	18,545,984	45,002,43
erhead (15%)					3,968,467	2,781,897	6,750,38
			TOTAL COST		30,424,915	21,327,881	51,752,79
nual routine maintenance of road	Ka	5.0	162,540	7,248	812,700	36,240	848,74
utine maintenance of asphalt road	Ku	5.0	388,800	137,500	1,744,000		2,631,50
			Sub Total	•	2,756,700	723,740	
intenance of limber Bridge (New)	₽2	0.0	9,988	1,343	0	0	
intenance of Concrete Bridge (New)	s2	0.0	2,081	2,805	. 0	0	- <u>1</u> -
intenance of Timber Bridge (Exist)	m2.		8,659	2 513		0	. · ·
intenance of Concrete Bridge (Exist)	#2	0.0	4,130	2,403	0	0	
						************	
				Paveaent Un		/Ka) :	10,350,55
			Timber			/#2} ;	
						/#2} ;	
			Survived	Value		Rp) :	4,747,0
			631026030C6	Rate without	HELDON I	7.) :	6.7

PROV

3

58

(1118-2)

SUMATERA SELATAN KAB : DANGKA

LENGTH : 39 Km

LINK NO :

UPGRADE : 7.0m road bed, 4.5m road with surface Base Cource

LIEN	INIT	QUANTETY	CCAL	COST >>> Foreton	LDCAL	<<< COST FOREIGN	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
	0411	40KA1111	LUGHL -	FURCION	LUGHL	*UNCION	TOTAL
ite Clearance in Light Bush	#2	0.0	162		.0		
ubgrade Preparation	#2 #2		21	91	:0	· · · •	(
oreal Fill	92 43	0.0		11	0	• 0	(
ill in Swamp	а) в3	0.0	1,667	861	0	0	
ormal Excavation to Spoil	n3	0.0	2,449	1,050	0	0	
ub Rase Course	n.s a.3	420.0	974	521		218,820	627,90
ase Course		7048.0	3,093	1,344	21,799,464		
houlder	83	9180.0	1,278	2,295	39,253,680		60,321,78
	a2	97500.0	293	145	28,567,500		42,705,00
sphalt Patching	\$2 •	86.0	3,888	1,375	334,368	•	452,61
urface Dressing (Single)	#2	0.0	659	595	. 0		
urface Dressing (Double)	ø2	0.0	813	935	· 0	0	
arth Drain	4	0.0	489	119		0	
arth Drain in Swamp (by machine)	<b>#</b> 3	0.0	1,205	473	. 0	• 0	
ipe Culvert DBOcs	4	0.0	451443	44,495	0	0	
asonry Culvert (80x80cm)	ß	0.0	64,708	38,085	0	. 0	÷
etaining Wall and Wing Wall (Timber)	<b>s</b> 2	0.0	15,441	245	0	0	
etaining Wall and Wing Wall (Hasonry)	a3	0.0	46,893	11,775	0	. 0	
abion Protection	a3	0.0	13,174	120	0	0	
ew Bridge (Timber)	SET	1.0		·	. 0	0	
ex Bridge (Concrete)	SET	1.0		·	0	0	
			Sub Total		90,364,092	45,015,182	135,379,27
verhead (15%)					13,554,613	6,752,277	20,305,89
			TOTAL COST		103,918,705	51,767,459	155,686,16
anual routine maintenance of road	Ke	39.0	162,540	7,248	6,339,060	282,672	6,621,73
outine maintenance of gravel road	: Ka	39.0	180,778	87,939	7,362,342	3,429,621	10,791,98
· .			Sub Total		13,701,402	3,712,293	17,413,69
aintenance of Timber Bridge (New)	s2	0.0	9,800	1,343	0	0	
aintenance of Concrete Bridge (New)	a2	0.0	2,081	2,805	0	0	
aintenance of Timber Bridge (Exist)	#2	303.0	8,650	2,513	2,623,374	\$ 761,439	3,384,81
aintenance of Concrete Bridge (Exist)	#2	256.0	4,130	2,403	1,057,280	615,168	1,672,44
		·······					
			Earthwork &	Pavenent Un	nit Cost d	Rp/Kat i	3,971,95
		1				Rp/m2) :	•
						Rp/#2) :	
10				Value		(Rp) :	15,635,96
			Naintenance		Bridge	(%)	11.1
•			New Bridge			(%)	

PROV	ŧ	SUMATERA	SELATAN	KAÐ	2	BANGKA

LINK ND : 46 (IIIB-1)

LENGTH : 14 Km

UPGRADE : 7.0m

7.0m road bed, 4.0m road with surface Dressing (1)

(Rp)

112#	UHIT	QUANTITY	KKK UNII Local	COST ))) FORELGN	<<<< Local	K COST FOREIGN	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,			a yy ay la ya a la bi bi bi bi bi		
Site Clearance in Light Bush	#2	0.0	162		Q	0	0
Subgrade Preparation	#2	0.0	21	· 11	0	· Q .	0
Normal Fill	5a	0.0	1,667	168	Q ·	0	· 0
Fill in Shamp	<b>#3</b>	. 0.0	2,449	1,050	0	0	. i C
Normal Exception to Spoil	#3	0,0	974	521	0	e - 0	- <u>1</u> - 1 - 1 - 1 - 1 - (
Sub Base Course	æ3	2910.0	3,093	l,344	9,000,630	3,911,040	12,911,670
Base Course	RŠ	3920.0	4,276	2,295	16,761,920	8,996,400	25,758,320
Shoulder	#2	42000.0	293	145	12,306,000	6,070,000	18,396,000
Asphalt Patching	aZ	0.0	3,888	1,375	: <b>0</b>	0	· . (
Surface Dressing (Single)	#2	56000.0	659	595	36,904,000	33,320,000	70,224,000
Surface Dressing (Double)	#Z	.0.0	813	935	0	. 0	
Earth Drain	. 8	1800.0	986	117	1,774,800	214,200	1,989,000
Earth Drain in Swamp (by machine)	<b>a</b> 3	. 0.0	1,205	473	0	0	. (
Pipe Culvert D80cm		10.0	45,443	44,495	454,430	444,950	899,38
Masonry Culvert (80x80ca)	8	0.0	64,708	38,085	0	0	
Retaining Wall and Wing Wall (Timber)	ež	0.0	15,441	245	0	0	. 4
Retaining Wall and Wing Wall (Masonry)	a3	0.0	46,893	11,775	0	0	: 4
Gabion Protection	<b>8</b> 3	0.0	13,174	120	0	0	
lew Bridge (Tinber)	SET	1.0	·		0	. 0	
lew Bridge (Concrete)	SET	1.0		·	0	. 0.	
			Sub Total		77,201,780	52,976,590	130,178,37
Dverhead (15%)					11,590,267	7,946,488	19,526,75
			TOTAL COST		88,792,047	60,923,078	149,705,12
							- #
lanual routine maintenance of road	Kø	14.0	162,540	7,248	2,275,560	101,472	2,377,03
Routine maintenance of asphalt road	Ke	14.0	398,800	137,500	5,443,200	1,925,000	7,368,20
			Sub Total	,	7,718,760	2,026,472	9,745,23
faintenance of Timber Bridge (New)	#Z	0.0	9,880	1,343	0	0	
laintenance of Concrete Bridge (New)	#2	0.0	2,081	2,805	0	0	•
faintenance of Timber Bridge (Exist)	#2	.0.0	8,658	2,513	0	. 0	
faintenance of Concrete Bridge (Exist)	#2	290.0	4,130	2,403	1,197,700	696,870	1,894,57
······							
			Earthwork &			/Ka)	10,693,22
			Tinber			/a2i :	
	· · .		Concrete			/#2} :	
			Survived	Value		Rp) :	14,197,81
			Maintenance			X) :	6.5
			Nex Bridge	Cost Rale	(	ζί :	

PROV

45 (IIIB-1)

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SUNATERA SELATAN

KAB DANGKA 2

LENGTH :

LINK NO : :

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

16 Km

ITEN		÷		EOST >>>	(((	COST	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
	UNIT	QUANTITY	LOCAL	FOREIGN	LOCAL	FOREIGN	TOTAL
ite Clearance in Light Bush	#2	0.0	162	91	. Q	Q	(
ubgrade Preparation	m2	48000.0	21	11	1,008,000	528,000	1,536,00
lorsal Fill	e3	0.0	1,667	861	0	Q	
ill in Swamp	•3	0.0	2,449	1,050	Û	0	
lormal Excavation to Spoil	•3	1176.0	974	521	1,145,424	612,696	1,758,12
ub Base Course	<b>n</b> 3	5017.5	3,093	1,344	15,519,127	6,743,520	22,262,64
lase Course	63	4480.0	4,276	2,295	19,156,480	10,281,600	29,438,08
ihou i der	#2	64000.0	293	145	18,752,000	9,280,000	28,032,00
isphalt Patching	₩2	0,0	3 888	1,375	. 0	0	
wrface Dressing (Single)	<b>a</b> 2	64000.0	659	595	42,176,000	38,080,000	80,256,00
Gurface Dressing (Double)	a2	0.0	813	935	0	0	
arth Drain		500.0	986	117	493,000	59,500	552,50
arth Drain in Swamp (by machine)	83	0.0	1 205	473	0	0	•
ipe Culvert D80ca	9	0.0	45,443	44,495	0	0	
lasonry Culvert (80x80cm)	. 6	0.0	64,708	38,085	. 0	. 0	
Netaining Wall and Wing Wall (Timber)	a2	0.0	15,441	245	. 0	0	
Retaining Wall and Wing Wall (Masonry)	#3	0.0	46,893	11,775	0	0	
labion Protection	ø3	0.0	13,174	120	0	0	
len Bridge (finbert	\$ET	1.0			0	. 0	
lew Bridge (Concrete)	SET	1.0			0	0	· .
			Sub Total		98,250,031	65,505,316	163,835,34
Iverhead ( 15% )				·	14,737,504	9,837,797	24,575,3
			TOTAL COST		112,987,535	75,423,113	188,410,64
lenist sontfol sitchesses of soid	······		113 546	7 340	7 100 140	115 010	
lanual routine maintenance of road	Kn	16.0	•	7,248	2,600,640	115,968	2,716,6
outine maintenance of asphalt road	Ke	16.0	388,800	137,500	6,220,800	2,200,000	8,420,6
			Sub Total		8,821,440	2,315,968	11,137,40
laintenance of Timber Bridge (New)	6Z		9,888	1,343	0	0	
laintenance of Concrete Bridge (New)	¢2	0.0		2,805	9	0	
laintenance of Timber Bridge (Exist)	a2	22.0	8,658	2,513	190,476		245,7
laintenance of Concrete Bridge (Exist)	s2	86.9	4,130	2,403	359,062	208,916	567 (9)
			Earthwork &	Pavement Ur	nit Cost 👘 IR	p/Kał :	11,775,6
			liøber			p/m21 :	
			Concrete			p/#2) i	
						•	
			Sur vi ved	Value		(Ra) :	21.471.4
				Value Rate without		(Rp) : (%) :	21,471,4 5.1

PROV SUMATERA SELATAN 2

44 (IIIB-2)

(Rp)

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LINK ND.

LENGTH : 24 Km

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

ITEN				COST >>>	((((		
	UNLT	QUANTITY	LOCAL	FORELGN	LOCAL	FOREIGN	TOTAL
			· · ·			·. ·	·
Site Clearance in Light Bush	#2	0.0	1,62	91	0	. 0	0
Subgrade Preparation	#2	0.0	21	ļ1	. Q ·	0	0
formal Fill	a3	0.0	1,667	861	0	0	0
ill in Swamp	#3	0.0	2,449	1,050	0	0	0
formal Excavation to Spoil	వస	0.0	974	571	0	0	
Sub Pase Course	m3	5320.0	3,093	1,344		7,150,080	23,604,840
lase Course	<b>m</b> 3		4,276	2,295	23,603,520	12,668,400	36,271,920
shoulder	я2	72000.0	293	145	21,096,000	10,440,000	31,536,000
Asphalt Patching	≞2		3,888	1,375	194,400	69,750	263,150
Surface Dressing (Single)	#2	0.0	659	595	0	. U	Ű
Surface Dressing (Double)	a2		813	935	0	0.	(
Earth Drain	_ · · 🕴	0.0	786	119	0	0	(
Earth Drain in Swamp (by machine)	#3	0.0	1,205	473	0	0	
Pipe Culvert D80ca	i 🖪	17.0	45,443	44,495	772,531	756,415	1,528,940
lasonry Culvert (80x80cm)	i e la A	0.0	6,4,708	38,085	. 0.	0	(
Retaining Wall and Wing Wall (Tieber)	e2		15,441	245	Q	0	(
Retaining Wall and Wing Wall (Nasonry)	æ3		46,893	11,775	150,057	37,680	187,73
Sabion Protection	83		13,174	120	. 0	0	
len Bridge (Timber)	SE I	1.0		-,-	0	0	
lew Bridge (Concrete)	SEI	1.0			··· 0	· . : 0	
		. 1	Sub Total		62,271,269	31,121,325	93,392,59
Overhead ( 15% )					9,340,690	4,668,198	14,008,88
			TOTAL COST		71,611,958	35,789,523	107,401,48
							,,
		*********					
tanual routine maintenance of road	Ke	24.0	162,540	7,248	3,900,960	173,952	4,074,91
Routine maintenance of gravel road	Ke	24.0	188,778	87,939	4,530,672	2,110,536	6,641,20
			Sub Total	1	8,431,632	2,284,488	10,716,12
faintenance of Timber Bridge (New)	≥2		9,808	1,343	Q	0	
laintenance of Concrete Bridge (New)	R2		2,081	2,805	0	0	
laintenance of Timber Bridge (Exist)	. R2		0,650	2,513	3,506,490	1,017,765	4,524,25
Haintenance of Concrete Bridge (Exist)	#2	0.0	4,130	2,403	0	0	
			Earthwork &	Pavesent U	nit Cost (Rp	/Kal :	4,475,06
			lieber	Bridge U		(#2) ;	
			Concrete			i/#2) :	
							11 003 43
			Sur vi ved	Value		Kpl i	111002176
			Sur vived Naintenance			(Rp) : : (X) :	i1,802,42 9,9

#### KAB : BANGKA

(Rp)

LINK ND : 41 (IIID-2) LENGTH : 24 Km

UPGRADE : 8.0m road bed, 4.0m road with surface Base Cource

ITEN.			<<< UNIT			<<<< COS1	>>>>>
	UNIT	QUANTITY	LOCAL	FORELGN	LOCAL	FORELGN	TOTA
ite Clearance in Light Bush	#2	0.0	162	91	0	0	
ubgrade Preparation	#2	12960.0	- 21	11	272,160		414,72
oreat Fill	- a3	0.0		861	0		
ill in Swamp	a3	1392.0	2,449	1,050	3,409,008		4,870,60
ormal Excavation to Spoil	<b>#3</b>	0.0	974	521	0		.15.615
ub Base Course		4738.5	3,093	1,344	14,656,180	6,368,544	21,024,7
ase Course	<b>#</b> 3	5040.0	4,276	2,295	21,551,040		33,117,8
houlder	n2	96000.0	293	145	28,128,000		42,048,0
sphalt Patching	•2	94.0	3,808	1,375	365,472		494,7
urface Dressing (Single)	#2		659	595	000,172		1/1//
urface Dressing (Double)	#2	0.0	813	935	Ň	. 0	
arth Drain	B.	0.0	986	119	v	о С	
arth Drain in Swamp (by machine)	a3	9600.0	1,205	473	11,568,000	4,540,800	16,108,8
ipe Culvert 080cm	. B	0.0	45,443	44,495	11/2001000	עאסן ערפן ד	10114010
asonry Culvert (B0x80cm)	. 14	0.0			v o	0	
etaining Wall and Wing Wall (Timber)	# #2		64,708	38,085 245	· .		
etaining Wall and King Wall (Kasonry)			15,441		v v		
abion Protection	· #3	0.0	46,893	11,775			
	83	0.0	13,174				
ew Bridge (Timber)	SET		<b>.</b>		(	) U	
ен Bridge (Concrete)	SET	1.0		·	l	, Q	
			Sub Total		79,949,860	38,129,554	118,079,4
verhead (15%)					11,992,479	5,719,433	17,711,9
			TOTAL COST		91,942,339	43,848,987	135,791,3
anual routine maintenance of road	K.	21.0	162,540	7,240	3,700,960	173,952	4,074,9
outine maintenance of gravel road	K B	24.0	189,778	B7,939	4,530,672	•	6,641,2
ourtue asintenante pi diavei iono	78	1110	Sub Total	01101			
aintenance of Timber Bridge (New)	a2	0.0	-7,889	1,343	8,431,632	2,284,488	10,718,1
aintenance of Concrete Bridge (Nex)	a2 a2		2,081	2,805			
aintenance of Timber Bridge (Exist)	#2 #2	. 0.0		2,803			
aintenance of Concrete Bridge (Exist)	#2 #2		8,659 4,130	2,403	753,312	438,307	1,191,6
	~						
		<b></b>					
			Earthwork &			(Ro/Ka) :	5,657,9
			Timber			(Rp/n2) :	
			Concrete		Unit Cost	(Rp/#2) :	
•			Sur vi ved	Yalue		(Rp) :	10,512,3
		· · · ·	Naintenance		ut Bridge	(X) :	1.
			New Bridge	Cast Sate		. (%) :	

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39

SUMATERA SELATAN

(1118-2)

KAB : BANGKA

16 Km

LINK NO

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

LENGTH I

(Rp)	

ITEN	UNIT	QUANTITY	<<< UNIT Local	COST >>> Foreign	۷۷۷۸ Local	COST FOREIGN	>>>>> Total
	*****		, , _ , _ , _ , _ , _ , <b>, , , , ,</b>			, , , , , , , , , , , , , , , , , , ,	*===L******
ite Clearance in Light Bush	•2	0.0	162	91	0	. 0,	0
ubgrade Preparation	a2	0.0	- 7t	11	0	0	0
lormal Fill	a3	0.0	1,667	861	0	Ç.	Q
ill in Swamp	#3	0.0	2,419	1,050	. Q	0	(
lormal Excavation to Spoil	#3	0.0	971	521	0	0	
ub Pase Course	m3	1506.0	3,073	1,344	4,658,059	2,024,064	6,682,12
lase Course	e3	2640.0	4,276	2,295	11,288,640	6,058,800	17,347,44
ihoulder	₽2	48000.0	293	. 145	14,064,000	6,960,000	21,024,00
Sphalt Patching	æ2	128.0	3,989	1,375	497,664	176,000	673,66
Surface Dressing (Single)	a2	0.0	659	595	0	0	
Surface Dressing (Double)	#2	0.0	813	935	0	0	
arth Drain		0.0	986	119	0	0	
Carth Drain in Swamp (by machine)	#3	0.0	1,205	473	0	0	
Pipe Culvert D80cm		0.0	45,443	44,495	0	0	
tasonry Culvert (80x80cm)	a a			38,085	0	0	
Retaining Wall and Wing Wall (Timber)	a2		15,441	245	0	0	
Retaining Wall and Wing Wall (Masonry)	#3		46,873	11,775	0	Ő	
abion Protection	83		13,174	120	0	0	ta itali
		i.0		'	, N	0	
lex Bridge (Timber) lex Bridge (Concrete)	SET SET				ů.	n.	
en bridge (concrece)	961	1.0					e Service
			Sub Total		30,500,362	15,218,864	45,727,22
lverhead ( 15% )					4,576,254	2,282,029	6,059,08
			TOTAL COST		35,084,616	17,501,893	52,586,30
lanual routine maintenance of road		16.0	162,540	7,249	2,600,640	115,968	2,716,60
loutine maintenance of gravel road	Ke		198,778	07,939	3,020,448	1,407,024	4,427,4
			Sub Total		5,621,088	1,522,992	7,144,08
taintenance of Timber Bridge (New)	ē7	0.0	9,988	1,343	0	.0	
faintenance of Concrete Bridge (New)	#2		2,081	2,605	0	0	
Maintenance of Timber Bridge (Exist)	n2		•	2,513	0	0	
Naintenance of Concrete Bridge (Exist)			4,130	2,403	575,515	334,858	910,3
			Earthwork &	Paveaent ()	nit Cost (R	p7Ka) :	3,286,6
			linber			5/#2} :	
			Concrete	Bridge U		o/m21 :	
			Survived	Value		(Rp) :	3,341,0
				Rate withou		(%) :	13.
			New Bridge		•	(7.)	

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SUMATERA SELATAN

36 (1118-2)

KAB

LINK NO ĩ

UPGRADE

7.0m road bed, 4.5m road with surface Base Cource ħ

LENGTH - :

				**********		
: .	•	<<< UNIT	CUST >>>	((((	KK COST	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
UNIT	QUANTITY	LOCAL	FORELGN	LOCAL	FORELON	TOTA
						·····
62	0.0	162	91	0	. 0	
s2	0.0	21	11	0	0	
мJ	0.0	1,667	861	0	0	
m3	0.0	2,449	1,050	0	. 0	
a3	490.0	974	521	477,260	255,290	732,55
#3	3010.0	3,093	1,344	9,309,930	4,045,440	13,355,37
<b>#</b> 3	3240.0	4,276				21,290,04
<b>#</b> 2	47500.0	293				20,805,00
R2		3.868		• •		505,24
•2					•	
					-	
						994,50
				007,100		
				V A	V A	÷
			-	v		
			-	0	Ů,	
				ų į	U .	
			•	Ŷ	. 0	
		,		0	Q	
				-		
SET	1.0		·	.0	0	
		Sub Total		38,819,578	18,863,130	57,682,7
				5,822,936	2,829,469	0,652,4
		TOTAL COST		44,642,514	21,692,599	66,335,1
Ka		162.540	7.248	3.099.250	+17 717	3,225,9
					-	5,257,6
1.9	1110	•	01101			
.2	6.6		1 747			8,463,5
			-		-	
		•			-	
				-	•	374 0
	112.0	4,130	2,103	9091020	210,337	734,9
		Farthwork L	Paynenat III	ait Cost (Ro	/Ka) •	3,491,3
						611119
						1 111 1
					-	6,677,6
		naintenance	RALE MICHOUR	c 87100ê 🛛	X) 1	12.
	n2 n2 n3 n3 n3 n3 n3 n3 n3 n2 n2 n2 n2 n2 n2 n2 n3 n3 n3 n3 s3 SET SET SET	m2       0.0         m3       0.0         m3       490.0         m3       3010.0         m3       3240.0         m2       47500.0         m2       95.0         m2       0.0         m2       0.0         m3       0.0         m2       0.0         m3       0.0      <	UNIT QUANTITY LOCAL n2 0.0 162 n2 0.0 21 n3 0.0 2,449 n3 490.0 974 n3 3010.0 3,093 n3 3240.0 4,276 n2 47500.0 293 n2 96.0 3,888 n2 0.0 659 n2 0.0 913 n 900.0 986 n3 0.0 1,205 n 0.0 45,443 n 0.0 45,443 n 0.0 45,443 n 0.0 45,443 n 0.0 45,444 n 3 0.0 13,174 SET 1.0 SET 1.0 SET 1.0 SET 1.0 SET 1.0 SUB Total IBTAL COST Ka 19.0 162,540 Ka 19.0 188,770 Sub Total n2 0.0 9,888 n2 0.0 2,081 n 2 0.0 9,868 n 2 0.0 2,081 n 2 0.0 9,858 n 2 112.5 4,130 Earthwork & Timber Concrete Survived	n2       0.0       162       91         n2       0.0       21       11         n3       0.0       2,449       1,050         n3       0.0       2,449       1,050         n3       0.0       2,449       1,050         n3       490.0       974       521         n3       3010.0       3,093       1,344         n3       3240.0       4,276       2,295         n2       47500.0       293       145         n2       96.0       3,688       1,375         n2       0.0       659       595         n2       0.0       813       935         n2       0.0       1205       473         n3       0.0       1,205       473         n4       0.0       45,443       44,495         n4       0.0       45,443       44,495         n4       0.0       16,093       11,775         n3       0.0       13,174       120         SET       1.0           Sub       Total       145       147,939         Sub       Total       120       14,933	UNIT         QUANTITY         LOCAL         FOREIGN         LOCAL           n2         0.0         21         11         0           n3         0.0         1,667         861         0           n3         0.0         2,449         1,050         0           n3         0.0         2,449         1,050         0           n3         490.0         974         521         477,260           n3         3240.0         4,276         2,295         13,854,240           n2         47500.0         293         145         13,917,500           n2         47500.0         293         145         13,917,500           n2         96.0         3,968         1,375         373,248           n2         0.0         613         935         0           n2         0.0         143         944         495         0           n3         0.0         1,205         473         0         n           n0.0         45,443         44,495         0         n         n           n0.0         15,441         245         0         n         n         n           n0.0	UNIT         QUANTITY         LOCAL         FOREIGN         LOCAL         FOREIGN           n2         0.0         162         91         0         0           n3         0.0         1,667         861         0         0           n3         0.0         21         11         0         0           n3         0.0         2449         1,050         0         0           n3         490.0         974         521         477,260         255,270           n3         3010.0         3,093         1,344         9,309,750         4,045,440           n3         3240.0         4,276         2,295         13,854,240         7,435,800           n2         96.0         3,080         1,375         373,248         132,000           n2         0.0         813         935         0         0           n4         90.0         986         119         897,400         107,100           n3         0.0         1,205         473         0         0           n4         0.0         44,703         0         0         0           n40.0         15,441         245         0         <

6-A-39

#### BANGKA

19 Km

(Rp)

FROV	:	SUMATERA SELATAN	KAB :	DANGKA	
LINK ND	1	37 (IIIB-1)	LENGTH :	28 Km	

UPGRADE : 7.0m road bed, 4.0m road with surface Dressing (1)

(Ŕp)

	· · .			· · ·			
ITEX			((C UNIT	COST >>>	· · · · · · · · · · · · · · · · · · ·		>>>>>
	UNH	QUANTITY	LOCAL	FOREIGN	LOCAL	FOREIGN	TOTAL
Site Clearance in Light Bush	62	0.0	162	91	Ó	Û	<b>(</b>
Subgrade Preparation	e2	0.0	21	11	0	. 0	· (
Normal Fill	•3	0.0	1,867	861	0	0	(
Fill in Swamp	<b>a</b> 3	0.0	2,449	1,050	0	. 0	÷.(
Normal Excavation to Spoil	<b>E</b> 3	0.0	974	521	0	. 0	
Sub Base Course	m3	4062.0	3,093	1,344	12,563,766	5,459,328	18,023,09
Base Course	<b>m</b> 3	6440.0	4 276	2,295	27,537,440	14,779,800	42,317,24
Shoulder	n2	84000.0	293	145		12,180,000	36,792,00
Asphalt Patching	n2	70.0	3,888	1,375	272,160	96,250	368,410
Surface Dressing (Single)	#2	112000.0	659	595		66,640,000	140,448,000
Surface Dressing (Double)	<b>n</b> 2	0.0	813	935		0	. (
Earth Drain	6	200.0	986	119	197,200	23,800	221,000
Earth Drain in Swamp (by wachine)	#3	0.0	1,205	473		. 0	· · · ·
Pipe Culvert D80cm	· 14	0.0	45,443	44,495		0	
Masonry Culvert (80x80cm)		0.0	64,708	38,085		0	
Retaining Wall and Wing Wall (Timber)	#2	0.0	15,441	245		0	. 1
Retaining Wall and Wing Wall (Masonry)	#3	0.0	46,993	11,775			1
				120		. a	
Gabion Protection	<b>8</b> 3		13,174			A A	
New Bridge (Timber)	SET	1.0			0	ů.	
New Bridge (Concrete)	SET	1.0			v		
	.•	н 	Sub Total		138,990,566	99,179,178	238,169,74
Overhead (15%)					20,848,504	14,876,876	35,725,46
			TOTAL COST		157,837,150	114,056,054	273,895,20
Nanual routine maintenance of road	Ka	28.0	162,540	7,248	4,551,120	202,944	4,754,06
Routine maintenance of asphalt road	Ke	28.0	388,800	137,500	10,886,400	3,850,000	14,736,40
			Sub Total		15,437,520	4,052,944	19,490,46
Haintenance of Timber Bridge (New)	n2	0.0	<b>7,</b> 888	1,343	0	0	
Naintenance of Concrete Bridge (New)	ด2	0.0	2,081	2,805	0	0	
Haintenance of Timber Bridge (Exist)	· #2	0.0	8,658	2,513		0	
Maintenance of Concrete Bridge (Exist)	· 62	90.0	4,130	2,403	330,400	172,240	522,64
	••••••••••••••••••••••••••••••••••••••					- <b></b>	~~~
:			Earthwork &	Pavecent	Unit Cost (R	)/Ka) :	9,781,97
			Tieber	Bridge	Unit Cost (R	o/#21 :	
			Concrete	-		)/#2) ;	
· .			Survived	Value	:	(Rp) :	21,079,61
						(Rp) : (X) :	21,079,61 7.1

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SUMATERA SELATAN

36 (IIIB-1)

KAB : BANGKA

LENGTH : 32 Km

LINK NO

UPGRADE

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

(Rp)

J I E H		*********					
1150	1881 1	BUANTITY					>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
	UNTI	QUANTITY	LOCAL	FOREIGN	LOCAL	FOREIGN	TOTA
Site Clearance in Light Bush	a2		162	91	0	• 0	
Subgrade Preparation	82	0.0	21	11	• 0	0	
Normal Fill	<b>a</b> 3	0.0	1,667	861	0	0	
Fill in Swamp	a3	0.0	2,449	1,050	0	0	
Normal Excavation to Spoil	n3	0.0	974	521	. 0	0	
Sub Pase Course	· #3	6094.5	3,093	1,344	19,850,288	8,191,00B	27,041,2
Base Course	<b>#</b> 3	8760.0	4,276	2,295	38,312,960	20,563,200	58,876,1
Shoulder	e2	64000.0	293	145	18,752,000	9,280,000	28,032,0
Asphalt Patching	#2	0.0	3,888	1,375	0	. 0	
Surface Dressing (Single)	<b>6</b> 2		659		84,352,000	76,160,000	160,512,0
Surface Dressing (Double)	e2	0.0	813	935	0	0	,-
Earth Drain	Б.	3500.0	995	119	3,451,000	416,500	3,867,5
Earth Drain in Swamp (by machine)	a3	0.0	1,205	473	0	0	A1951 [9
Pipe Culvert D80ca		5.0	45,443	44,495	227,215	222,475	449,6
Hasonry Culvert (80x80cm)		0.0	64,708	38,085	0	0	11/30
Retaining Wall and Wing Wall (Timber)	s2	0.0	10.7	245	. 0	0 ·	
Retaining Wall and Wing Wall (Hasonry)	e3		15,441			U A	
Gabion Protection		0.0	46,893	11,775	0		
Nex Bridge (Tisber)	je T	0.0	13,174	120	. 0	0	
,	SET	1.0			0	. 0	
New Bridge (Concrete)	SET	1.0			0	Q	
			Sub Total		163,945,463	114,833,103	278,778,6
Overhead (15%)					24,591,019	17,224,977	41,816,7
			TOTAL COST		188,537,282	132,058,160	320,595,4
Manual routine maintenance of road	. Kn	32.0	162,540	7,248	5,201,280	231,936	5,433,2
Routine maintenance of asphalt road	Ka	-	388,800	137,500	12,441,600	4,400,000	16,841,6
manual of appoint road	N.16	3210	Sub Total	101 1000	17,642,880	4,631,936	22,274,8
Naintenance of Timber Bridge (Nex)	<b>¤</b> 2	0.0	500 FOCat 7,808	1,343	1710121000	1021120	2615130
Haintenance of Concrete Bridge (New)	. a2		2,081	2,805	. 0	0 0	
Haintenance of Timber Bridge (Exist)	#2		•	2,513	1,831,167		2,362,6
			-			531,499 173,016	
Haintenance of Concrete Bridge (Exist)	#2	72.0	4,130	2,403	297,360	173,010	470,3
· · · · · · · · · · · · · · · · · · ·			Earthwork &	Payeaent H	Init Cost (R	p/Ke) :	10,019,4
			Tisber			p/m21 t	
			Concrete	•		p/m2) :	
			Survived	orsoge o Value			70 704
						(Rp) :	30,704,1
· · · · · · · · · · · · · · · · · · ·			Naintenance New Deiden		•	(%) i	6.
·			New Bridge	LUSE KATE		(%) ;	

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SUMATERA SELATAN

32 (IIIB-1)

KAB : BANGKA

9 Km

(Rp)

LINK NO ::

UPGRADE : 7.0m road bed, 4.5m road with surface Dressing (1)

LENOTH :

	· ·		. 1				(80)
ITEN	UNIT	QUANTITY	<<< UNIT Local	COST >>> FOREIGN	, «« Local	<	>>>>>> TOTAL
				*********			
Mika Plassaca in Links Burk	n2	0.0	162	. 91	0	. 0	0
Site Clearance in Light Bush	a2	0.0	21	i ti	0	Ó	0
Subgrade Preparation Normal Fill	14 B3	0.0	1,667	861	, n	0 0	0
Fill in Smamp	#3 #3	0.0	2,449	1,050	, N	0	0
	m3 m3	0.0	974	521	ĥ	0	
Normal Excavation to Spoil Sub Base Course	a3	1615.5	3,093	1,344	4,996,741	2,171,232	7,167,973
-			•	•	12,122,460		18,628,785
Base Course	<b>a</b> 3	2835.0	4,276	2,295	· · ·	3,262,500	9,855,000
Shoulder	#2	22500.0	293		6,592,500 0	5,102,000	110001000
Asphalt Patching	₽2	0.0	3,888	1,375		54 007 500	50 707 000
Surface Dressing (Single)	#2	40500.0	659	595	26,689,500	24,097,500	50,787,000
Surface Dressing (Double)	a2	0.0	813	935	0	V 	
Earth Drain	<b>2</b>	4600.0	986	119	4,535,600	517,400	5,083,000
Earth Drain in Swamp (by machine)	e3	0.0	1,205	473	0	0	(
Pipe Culvert DBOca		0.0	45,443	44,495	0	. 0	(
Nasonry Culvert (80x80cm)		0.0	64,708	38,095	0	0	(
Retaining Hall and Wing Wall (Timber)	#2	0.0	15,441	245	0	0	. (
Retaining Wall and Wing Wall (Masonry)	<b>a</b> 3	0.0	46,893	11,775	0	0	(
Gabion Protection	<b>b</b> 3	0.0	13,174	120	. 0	0	
New Bridge (limber)	SET	1.0	·		0	. 0	
New Bridge (Concrete)	SET	1.0	·		0	0	. (
			Sub Total		54,936,80]	36,584,957	91,521,758
Overhead (15%)					8,240,520	5,487,743	13,728,26
			TOTAL - COST		63,177,321	42,072,700	105,250,021
		· · · · · · · · · · · ·					
Kanual routine saintenance of road	' Ka	9.0	162,540	7,248	1,462,860		1,528,09
Routine maintenance of asphalt road	Ke	9.0	300,800	137,500	3,499,200		4,736,70
			Sub Total		4,962,060	1,302,732	6,264,79
Haintenance of Timber Bridge (New)	a2	0.0	9,888	1,343	0	0	
Naintenance of Concrete Bridge (New)	#2	. 0.0	2,091	2,805	0	0	
Maintenance of Timber Bridge (Exist)	m2	78.0	8,658	2,513	675,324	, 196, 014	871,33
Maintenance of Concrete Bridge (Exist)	<b>≜</b> 2	<b>[4].</b> 0	4,130	2,403	582,330	338,823	921,15
			Earthwork &	Payesent II	nit Cost (	Rp/Ka) :	11,694,44
			linber			Rp/m2)	
						•	
			fancrote	Sridge P			
			Concrete		nił Cost (	Rg/a2) 1 (Pn) +	0 747 71
			Survived	Yalue		(Rp) :	
			Survived	Value Rate withou			8,743,33 5.9

KAÐ 🥲 BANGKA

(Rp)

LINK ND : 31

LENGTH : 4 Km

UPGRADE : 7.0m road bed, 4.5m road with surface Base Cource

(1118-2)

ITEN A SAN AND AND AND AND AND AND AND AND AND A	UNIT	QUANTITY	<<< UNIT Local	COST >>> Foreign	: { ( { Local		COST Orelgn	>>>>> Tota
		*******						
Site Clearance in Light Bush	#2	0.0	162	- 91	0		0	
Subgrade Preparation	<b>n</b> 2	0.0	21	11	Ň		Ň	
lorgal Fill	<b>B</b> 3	0.0	1,667	861	6		. 0	
Fill in Swamp	•3	0.0	2,449	1,050	Å		Ň.	
Yormal Excevation to Spoil	#3	0.0	974	521	ň		ů	
Sub Base Course	аĴ	0.0	3,093	1,344	0		. <u>`</u>	
lase Course	<b>5</b> e	0.0	4,276	2,295	0		ŏ	
ihoul der	n2	10000.0	293	145	2,930,000	14	50,000	4,380,00
Isphalt Patching	n2	103.0	3,889	1,375	400,464	,	41,625	542,08
Surface Dressing (Single)	62	0.0	659	595	0	•	0	, oregoe
Surface Dressing (Double)	n2	0.0	813	935	. 0		Õ	
arth Drain		0.0	986	119	0		õ	
arth Drain in Swamp (by machine)	#3	0.0	1,205	473	· 0		. 0	
Pipe Culvert DBOcm	3 80	0.0	45,443				•	
lasonry Eulvert (80x80cm)	2 Q	0.0		44,495	0		0	
Retaining Wall and Wing Wall (Timber)			64,708	38,085	v		v	
	#2 •7		15,441	245	U		0	
Retaining Wall and Wing Wall (Hasonry)	#J		46,893	11,775	U		0	
Gabien Protection	e3		•	120	0		0	
lew Bridge (Timber)	SET	1.0			0		0	
en Bridge (Concrete)	SET	1.0			0		0	
			Sub Total		3,330,464	`i,!	591,625	4,922,0
verhead (15%)					499,569	:	238,743	738,3
			TOTAL COST		3,830,033	1,0	930,368	5,660,4
anual routine maintenance of road	Ka		,	7,248	650,160		28,992	679,1
outine maintenance of gravel road	Ka	4.0		87,939	755,112		351,756	1,106,8
	-	<b>.</b> .	Sub Total		1,405,272		380,748	1,786,0
aintenance of Timber Bridge (New)	*2		9,888	1,343	0		. 0	
aintenance of Concrete Bridge (New)	#2		•	2,805	0		0	
aintenance of Timber Bridge (Exist)	#2		•	2,513	0		0	
aintenance of Concrete Bridge (Exist)	\$2	0.0	4,130	2,403	0		0	
			Egebburgh (	Daugant U-	ik fast /			• 41E *
			Earthwork &			Rp/Kø) Rp/coll	1	1,415,1
			limber Seconda			Rp/eZ)	1	
			Concrete	•	it Cost (	Rp/m2)	t	
			Survived	Value Patro altro t	n 1 1 <sup>°</sup>	(Rp)	1	
				Rate without	ør i dge	{%]	:	31.
			New Bridge	tost Kate		121	:	

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24

SUMATERA SELATAN

(1118-2)

Kab : Bangka

-24 Km

LINK NO

UPBRADE

: 6.0m road bed, 4.0m road with surface Base Cource

LENGTH :

(Rp	)

ITEN	UNIT	QUANTITY	LOCAL	COST >>> FOREIGN	LOCAL	(C COST Foreign	TOTAL
ite Clearance in Light-Bush	a2	0.0	162	91	0	0	(
ubgrade Preparation	n2	0.0	21	11	0	0	
ormal Fill	ตวั	0.0	1,657	861	0	0	· · (
ill in Swamp	#3	0.0	2,449	1,050	0	. 0	· · · · (
ormat Excavation to Spoil	±3	140.0	974	521	136,360	72,940	209,30
ub Base Course	• #3	3368.0	3,093	1,344	10,417,224	4,526,592	14,943,01
ase Course	#3	4560.0	4 276	2,295	19,498,560	10,465,200	29,963,76
houlder	=2	48000.0	293	145	14,054,000	6,960,000	21,024,00
sphalt Patching	#2	105.0	3 888	1,375	408,240	144,375	552,61
urface Dressing (Single)	#2	0.0	659	595	0	0	(
urface Dressing (Double)	•2	0.0	813	935	0	0	. (
arth Drain		2000.0	786	119	1,972,000	238,000	2,210,000
arth Drain in Swamp (by machine)	n3	0.0	1,205	473	0	.0	
ipe Culvert D80cm		0.0	45,443	44,495	0	0	
asonry Culvert (80x80cm)	- R	0.0	64,709	38,085	0	0	· .
etaining Wall and Wing Wall (Timber)	s2	0.0	15,441	245	. 0	ò	1
etaining Wall and Wing Wall (Hasonry)	•3	0.0	46,893	11,775	0	0	· · ·
abion Protection	-3	0.0	13,174	120	0	0	
ew Bridge (Timber)	SET	1.0			0	ò	
ew Bridge (Concrete)	SET	1.0			0	Ŭ,	
			Sub Total		46, 195, 384	22,407,107	68,903,49
verhead ( 15% )		·			6,974,457	3,361,066	10,335,52
		. • •	TOTAL COST		53,470,841	25,769,173	79,239,01
anual routine maintenance of road	Ka	24.0	162,540	7,249	3,900,960	173,952	4,074,91
nutine maintenance of gravel road	Ka	24.0	189,778	87,939	4,530,672	2,110,536	
			Sub Total	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	8,431,632	2,284,498	
aintenance of Timber Bridge (New)	m2	0.0	9,889	1,343	0	0	
aintenance of Concrete Bridge (New)	#2	0.0	2,081	2,805	õ	ŏ	
aintenance of Timber Bridge (Exist)	a2	0.0	0,658	2,513	- O	ò	· .
aintenance of Concrete Bridge (Exist)	#2	63.0	4,130	2,403	260,190	151,309	411,57
			**********	· · · · · · · · · · · · · · · · · · ·			
	•		Earthwork &	Pavement Un	it Cost (Rp	/Kal :	3,301,67
. · · · ·						/a2) :	· · ·
				-		/#2) :	
				Value		Rp] :	7,471,90
				Rate without		χ) :	13.5
			New Bridge		•	X) ;	

#### PROV SUMATERA SELATAN 5 KAB ٤. BANGKA

20 (1110)

LINK NO 1

LENGTH : 9 Ka

UPGRADE :

6.0m road bed, 4.0m road with surface Subbase Cource

1 T E H	UNIT	QUANTITY	(<< UNIT LOCAL	COST >>> ForeIgn	) Loca		COST Foreign	>>>>>> TOTAL
Alle Manness to Attack p. a							****	
Site Clearance in Light Bush	a2	0.0	165	91		0	. Q	- ()
Subgrade Preparation	#2	0.0	21	11		0	0	(
lormal fill	<b>B</b> 3	0.0	1,667	861		0	0	
ill in Swamp	83	0.0	2,449	1,050		0	0.	· · · (
Iormal Excavation to Spoil	n3	140.0	974	521	136,36		72,940	209,300
ub Base Course	#3	710.0	3,093	1,344	2,196,03		954 240	3,150,270
lase Course	<b>B</b> 3	2160.0	4,276	2,295	9,236,16	0 . 0	,957,200	14,193,36
Shoulder National Distance	#2	18000.0	293	145	5,274,00	ю ;	2,610,000	7,984,00
sphalt Patching	A2	0.0	3,888	1,375		Ç	Q	í
Burface Dressing (Single)	- <b>B</b> 2	0.0	659	595		0	. 0	(
Surface Dressing (Double)	#2	0.0	813	935		0.	. 0	I
arth Drain	,着	0.0	9B6	119		0	0	
arth Drain in Swamp (by gachine)	<b>s</b> 3	0.0	1,205	473	ALC: NO	0	. 0	
Pipe Culvert D80cø	8	0.0	45,443	44,495		0	0	1
asonry Culvert (80x80cm)	8	0.0	64,708	38,085		0	0	
letaining Hall and Hing Hall (Timber)	#Z	0.0	15,441	245		0	0	
Retaining Wall and Hing Wall (Hasonry)	#3	0.0	46,893	11,775		0	0	
abion Protection	63	0.0		120		0	Ó	
lew Bridge (linber)	SET	1.0				0	0	
lew Bridge (Concrete)	SET	1.0		· • •		0	0	
			Sub Total		16,842,55	i0 (	9,594,380	25,436,93
iverhead ( 15% )					2,528,38	12	289,157	3,815,53
			TOTAL COST	·	19,368,93	32 <b>·</b>	7,883,537	29,252,46
lanual routine maintenance of road	Ka	9.0	162,540	7,248	1,462,88	50 .	65,232	1,528,09
outine maintenance of gravel road	Xa	9.0	188,778	87,939	1,699,00		791,451	2,490,45
3			Sub Total	•	3,161,80		856,683	4,018,54
laintenance of Timber Bridge (New)	ø2	0.0	9,888	1,343		0.	0	-11
laintenance of Concrete Bridge (New)	#2	-	2,081	2,805		Ó	0	
laintenance of Timber Bridge (Exist)	<b>n</b> 2		8,650	2,513	909,09		1 263,865	1,172,95
laintenance of Concrete Bridge (Exist)	a2	0.0	4,130	2,403		0	Q	
·····								
		· .		Pavement Uni		(Rp/Ka		3,250,27
			Tinber	•	t Cost	(Rø/m2		
			Concrete		t Cost	(Rp/a2	) :	
			Gurvived	Value		(Rp)	1	1,260,10
				Rate without	8r i dge	(%)	1	13.7
		•	New Bridge	Cost Rate		(%)	:	

SUMATERA SELATAN PROV 5

LINK NO ž

18 (1118-1) LENGTH ; 11 Km

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

(Rp) . . . . . . . . .

ITEN	UNIT	DUANTITY	<<< UNIT Local	COST >>> FOREIGN	۷۷۷۷۵ Local	COST FORE LGN	>>>>>> Totai
	********			****			
Site Clearance in Light Bush	•2	0.0	162	91	0	0	11. A 11
Subgrade Preparation	a2	0.0	. 21	· 11	0	0 -	
Rormal Fill	. e3	0.0	1,667	861	0	• <b>Q</b>	
Fill in Swamp	e3	0.0	2,449	1,050	0	Q I	
formal Excevation to Spoil	a3.	0.0	974	521	0	Q.,	5. S. S. S.
Sub Base Course	<b>m</b> 3	1404.0	3,093	1,344	4,342,572	1,886,976	6,229,54
Pase Course	a3	2240.0		2,295	9,578,240	5,140,800	14,719,04
Shouider	<b>¤</b> 2	22000.0	293	145	6,446,000	3,190,000	9,636,00
Asphalt Patching	#2	175.0	3,888	1,375	684,280	212,000	926,28
Surface Dressing (Single)	#Z	44000.0	659	595	28,996,000	26,180.000	
Surface Dressing (Double)	•2	0.0	813	935	0	. 0	
Earth Drain		1800.0	906	117	1,774,800	214,200	1,989,00
Earth Drain in Swamp (by machine)	- 33	0.0	1,205		0	0	
	#3 #3	18.0	45,443	44,495	817,974	800,910	1,618,86
Pipe Culvert D80ca		0.0	64,708		01/1//3 A	000,710 A	.101010
Hasonry Culvert (80x80cm)	14 - 1		•	39,085 245	0	0	
Retaining Wall and Wing Wall (Timber)	æ2	0.0	15,441				187,7
Retaining Wall and Wing Wall (Masonry)	83	3.2		11,775	1	37,680	10/ 1/
Gabion Protection	#3	0.0	13,174	120	0	U A	•
New Bridge (fimber)	SET	1.0			0	0	
len Bridge (Concrete)	SET	1.0		·	U .	Ų	
· · ·			Sub Total		52,789,931	37,692,566	90,482,41
Overhead (15%)			•		7,918,499	5,653,884	13,572,3
			TOTAL COST		60,708,420	43,346,450	104,054,8
Nanual routine maintenance of road	Ka	11.0	162,540	7,248	1,787,940	79,728	1,967,6
Routine maintenance of asphalt road	Ka	11.0	388,800	137,500	4,276,800	1,512,500	5,789,3
······································			Sub Total	•	6,061,740	1,592,228	7,656,9
Naintenance of limber Bridge (New)	<b>B</b> 2	0.0	9,888	1,343	0.	0	
Maintenance of Concrete Bridge (New)	<b>s</b> 2			2,805	0	0	
Haintenance of Timber Bridge (Exist)	n2		0,659	2,513	0		· · ·
Haintenance of Concrete Bridge (Exist)	#2		4,130	2,403	0	0	
			Construct +	Deverat II.	all Post 10-1	P-1 -	9,459,5
			Earthwork &		nit Cost (Rp/ nit Cost (Rp/		11111
					· · · · · · · · · · · · · · · · · · ·		
					nit Cost (Rp/		3 741 4
				Value		(p) t	7,304,4
			Naintenance New Bridge		•	1) :	7.

PROV LINK NO

SUMATERA SELATAN

KAB **8** -BANGKA

:

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16 (111A)

UPGRADE : 0.0m road bed, 5.0m road with surface Dressing (2)

LENGTH 🔢 12 Km

(Rp)

							- (Rp)
ITEN .			((< UNET	COST >>>	( ·	(((( CUST	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
	UNIT	QUANTITY	LOCAL	FORELGN	LOCA	L FOREIGN	TOTAL
Site Clearance in Light Bush	#Z	12000.0	162			A L A80 A40	T ATL AN
Subgrade Preparation	n2	0.0	21	91	1,944,00		3,036,000
Normal Fill	#Z #J	0.0		- 11		0. 0	
Fill in Swamp	#3 #3	0.0	1,667	861		0 0	
Normal Excavation to Spoil	aJ aJ	0.0	2,449	1,050	1	0 0	· . · ·
Sub Base Course	a3		974	521		0 0	
Pase Course		2230.0	3,093	1,344	6,897,39		9,094,51
Shoulder	63 - 7	4600.0	4,276	2,295	20,524,80		
	#2	36000.0	293	145	10,548,00		15,768,00
Asphalt Patching	m2	0.0	3,880	1,375		0 0	•
Surface Dressing (Single)	a2	0.0	659	595		0 0	1
Surface Dressing (Double)	#2	60000.0	813	935	48,780,00		
Earth Drain	ħ	6000.0	986	119	5,916,00	0 714,000	6,630,00
Earth Drain in Swamp (by machine)	23	0.0	1,205	473		0 0	
Pipe Culvert D80ce	B	0.0	45,443	44,495		0 0	
Nasonry Culvert (90x80cm)	a	0.0	64,708	38,085		0 0	
Retaining Wall and Wing Wall (Timber)	#2	0.0	15,441	245		0 0	
Retaining Wall and Wing Wall (Nasonry)	#3	0.0	46,893	11,775		0 0	
Gabion Protection	•3	0.0	13,174	120		0 0	
New Oridge (limber)	SET	1.0				0 0	
lew Bridge (Concrete)	SET	5.0				0 0	
	0.1	.,.				• • • • •	
			Sub Total		94,610,19	0 77,139,120	171,749,31
Dverhead (15%)					14,191,52	8 11,570,869	25,762,39
·			TOTAL COST		108,801,71	8 88,709,988	197,511,70
lanual routine waintenance of road	Ka	12.0	162,540	7,248			
Routine maintenance of asphalt road	. Ke	12.0	388,800	137,500	4,665,60	0 1,650,000	6,315,60
			Sub Total		6,616,08	0 1,736,975	8,353,05
laintenance of Timber Bridge (Hew)	. ≥2	0.0	7,888	1,313		0 0	
Maintenance of Concrete Bridge (New)	#2	0.0	2,081	2,805		0 0	
Naintenance of Timber Bridge (Exist)	<b>5</b> 2	0.0	8,658	2,513		0.0	
Naintenance of Concrete Bridge (Exist)	s2	222.0	4,130	2,403	916,86	6 533,466	1,450,33
			,				
			Earthwork &			(Rp/Ka) I	16,459,3
			Ti <b>a</b> ber	•	Jnit Cost	(Rp/a2) :	
			Concrete	•	Jnit Cost	(Rp/#2) :	
		1	Survived	Value	· .	(Rp) :	15,800,80
			Maintenance	Rate withou	ut Bridge	(X) :	4,3
			Nex Bridge	Post Rate	-	(X) r	

11 (1118-1)

SUMATERA SELATAN

BANGKA KAB 2

LINK NO z LENGTH : 25 Km

6.0m road bed, 4.5m road with surface Dressing (1) UPGRADE 2

(Rp)

ITEN	UNIT	QUANTITY	<<< UNIT Local	COST >>> Foreign	S ((() LOCAL	((( COST Foreton	>>>>>> tota
		*****	نو ک ک کر ژن کی کر جو یو ک او سو مرد . د				
Site Clearance in Light Bush	87	. 0.0	162	91	. 0	0	
Subgrade Preparation	R)		21	-11		. 0	
Normal Fill	#2 #2		1 667	861		0	1. A.
Fill in Swamp	n3			1,050		0	
Normal Excavation to Speil				521	and a second	218.820	627,90
Sub Base Course	R		3,093	1,344			26,426,77
Base Course			. •	2,295			
Shoulder		37500.0	293	145		5,437,500	16,425,00
Asphalt Patching	9/ 9/		3,998	1,375			
Surface Dressing (Single)	-	2 112500.0	659	595			141,075,00
Surface Dressing (Double)	a)			935		0	• •
Earth Drain		i 17600.0		119		-	19,448.00
Earth Drain in Swamp (by machine)	· •			473		0	
		a 10.0		44,495		444,950	899,31
Pipe Culvert D80cm				38,095			21110
Masonry Culvert (80x80cm)							
Retaining Wall and Wing Wall (Timber)				245			
Retaining Wall and Wing Wall (Masonry)	N.		•	11,775			
Gabion Protection			•	120		0	0 100 0
Чен Oridge (Tiaber)	SE			•	7,724,764	-	8,708,0
New Bridge (Concrete)	SE	.0		"""	0	0	
	· .		Sub Total		163,162,282	102,194,395	265,356,6
Overhead (15%)					24,474,342	15,329,159	39,803,5
			TOTAL COST		187,636,624	117,523,554	305,160,1
		• - <del>•</del> •					
tanual routine maintenance of road	· K	25.0	162,540	7,248	4.063.500	181,200	4,244,7
Routine maintenance of asphalt road	K		•	137,500		3,437,500	
					13,783,500		
Naintenance of Timber Bridge (Rew)	B			1.343	316.416		
Maintenance of Concrete Bridge (New)		2 0.0	•	2,805	i 0		
Haintenance of Timber Bridge (Exist)		2 113.3	•	2,513	980,518	,284,597	1,265,1
Maintenance of Concrete Bridge (Exist)				2,403			
			Earthwork &	Pavenent	Unit Cost ()	ip/Km) :	11,805,8
			Tinber	Bridge		Rp/#21 r	312,9
· · · · · · · · · · · · · · · · · · ·			Concrete			Ro/m2) :	•
			Surviveð	Value	1.	(Rp) :	28,848,0
			Naintenance	Rate witho	out Bridge	(Z) :	5.
			New Bridge			(2) :	3.
						-	

KAB 🕴 BANGKA

LINK ND : 123

5

123 (IIIB-2) ..... LENBTH : 2 Km

(Rp)

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

SUMATERA SELATAN

						·	
ITEH		· · · · ·	<<< UNIT		(((((	COST	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
		QUANTITY	LOCAL	FORELGN	LOCAL	FORELGN	TOTAL
	-				************		
Site Clearance in Light Bush	s2	0.0	162	. 91	0	. 0	· 1
Subgrade Preparation	a2	1215.0	21	· · · · · · · · · · · · · · · · · · ·	25,515	13,365	38,99
Normal Fill	a3	0.0	1,667	861	0	. 0	
Fill in Swamp	สวี	165.9	2,449	1,050	406,289	174,195	580,48
Normal Excavation to Spoil	. <b>#3</b>	0.0	974	521	0	0	
Sub Base Course	n3	511.5	3,093	1,344	1,582,069	687,456	2,269,52
Base Course	6a	480.0	4,276	2,295	2,052,480	1,101,600	3,154,08
Shoulder	#2	6000.0	293	145	1,758,000	870,000	2,628,00
Asphalt Patching	∵ #2	0.0	3,888	1,375	0	0	
Surface Dressing (Single)	<b>⊫</b> 2	0.0	659	595	0	0	
Surface Dressing (Double)	• <b>a</b> 2	0.0	813	935	0	0	
Earth Drain	đ	0.0	986	117	0	0	
Earth Drain in Swamp (by machine)	<b>a</b> 3	900.0	1,205	473	1,084,500	425,700	1,510,20
Pipe Culvert DBOce	A	0.0	45,443	44,495	0	0	
Hasonry Culvert (80x80co)	A	0.0	64,708	38,085	0	. 0	
Retaining Wall and Wing Wall (Timber)	#2	0.0	15,441	245	0	0	
Retaining Wall and Wing Wall (Masonry)	a3	0.0	46,893	11,775	0	. 0	· · ·
Gabion Protection	e3	0.0	13,174	120	0	0	
New Bridge (Timber)	SET	1.0			Ô	ů Û	
New Bridge (Concrete)	SET	1.0			, O	i i	
		•	Sub Total		6,908,853	3,272,316	10,181,18
Overhead (15%)					1,036,327	490,847	1,527,13
and a state of the second			TOTAL COST		7,945,180	3,763,163	11,709,3
			101NL 0031		11101100	011001100	11110013.
Manual routine maintenance of road	Ka	2.0	162,540	7,248	325,080	14,496	339,5
Routine maintenance of gravel road	Ka	2.0	180,778	87 939	377,556	175,878	553,4
			Sub Total		702,636	190,374	893,0
Naintenance of Timber Bridge (New)	#2	0,0	9,888	1,343	. 0	0	,.
Maintenance of Concrete Bridge (New)	#2		2,081	2,805	0	0	
Naintenance of Timber Bridge (Exist)	#2	0.0	8,658	2,513	0	0	
Maintenance of Concrete Bridge (Exist)	÷ #2	0.0	4,130	2,403		Ó	
					*******		
			Earthwork &	Pavement Un	it Cost (Rp/)	(a) 1	5,854,1
· · ·			Tinber .		it Cost (Rp/		-111
			Concrete		it Cost (Rp/)		
•			Survived	Value Value	(R		1,134,7
				Rate without			7

(1118-2)

Kab : Bangka

LINK ND : 1

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LENGTH : 27 Km

(Rp)

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

UNIT         UDERL         FORETOR         LOCAL         FORETOR <th></th> <th></th> <th></th> <th>/// USIY</th> <th>CODE 111</th> <th></th> <th>&lt;&lt;&lt; C051</th> <th>&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;</th>				/// USIY	CODE 111		<<< C051	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
Subgrade Preparation #2 0.0 21 11 0 0 0 Normal Fill in \$3 0.0 1,667 861 0 0 Normal Excavation to Spoil \$3 0.0 2,447 1,650 0 Normal Excavation to Spoil \$3 0.0 2,447 1,650 0 Sub Base Course \$3 0.0 2,447 1,650 7,734,720 25,534 Rease Course \$3 0.0 2,447 1,250 7,734,720 25,534 Rease Course \$3 0.0 2,73 1,344 17,800,215 7,734,720 25,534 Rease Course \$3 0.0 2,73 1,45 22,733,00 11,745,00 35,470 Shoulder \$2 8100.0 723 145 22,733,00 11,745,00 35,470 Surface Dressing (Singlel \$2 0.0 889 1,375 0 Surface Dressing (Singlel \$2 0.0 889 1,935 0 Surface Dressing (Sunglel \$2 0.0 889 1,935 0 Surface Dressing (Sunglel \$2 0.0 883 935 0 Retaining Kall and Hing Kall (Hisber) \$2 0.0 15,441 4,495 227,215 222,475 449 Masonry Culvert (80x80cs) \$ Retaining Kall and Hing Kall (Nasonry) \$ Retaining Kall and Hing Kall (Nasonry) \$ Retaining Kall and Hing Kall (Nasonry) \$ Sub Totat \$77,554,110 35,549,575 113,103 Gverhead (157) \$ Hanust rowtine maintenance of road \$ Ka 27.0 162,510 7,248 4,389,580 155,696 4,594 Routine maintenance of gravel road \$ Ka 27.0 162,510 7,244 4,389,580 155,696 4,594 Routine maintenance of gravel road \$ Ka 27.0 162,510 7,244 4,389,580 155,696 4,594 Routine maintenance of gravel road \$ Ka 27.0 168,778 87,739 5,077,006 2,374,353 7,471 Sub Totat 77,554,110 35,549,575 113,103 Gverhead (157) \$ Hanust rowtine maintenance of gravel road \$ Ka 27.0 188,778 87,739 5,077,006 2,374,353 7,471 Sub Totat 77,554,110 35,549,575 113,103 Raintenance of Timber Bridge (New) \$ \$ Raintenance of Timber Bridge (New) \$ \$ Raintenance of Concrete Bridge (Kew) \$ Raintenance Rate without Bridge (Ci) \$		UNET	QUANTITY					TOTAL
Subgrade Preparation =	·							
Noraal Fill       a3       0.0       1,667       861       0       0         Fill in Swaap       a3       0.0       2,449       1,050       0       0         Sub Pase Course       a3       5755.0       3,073       1,344       17,800,157       7,734,720       25,534         Base Course       a3       5755.0       3,073       1,344       17,800,157       7,734,720       25,534         Base Course       a3       6480.0       4,276       22,733,000       11,745,000       35,470         Asphalt Patching       a2       0.0       3,888       1,375       0       0         Surface Dressing (Single)       a2       0.0       13       955       0       0         Surface Dressing (Bouble)       a2       0.0       13,975       0       0       0         Pipe Culvert B00cm       a3       0.0       45,443       44,495       227,215       222,475       449         Basen Course       a3       0.0       45,443       44,495       0       0       0         Retaining Malt and Ming Malt (Hasonry)       a5       0.0       13,174       120       0       0       0         Retaining Malt and Ming Malt	Site Clearance in Light Bush	#2	0.0	162	91	0	0	с. н. <b>С</b>
Norsal Fill       e3       0.0       1,667       661       0       0         Fill in Swap       e3       0.0       2,449       1,050       0       0         Sub Race Course       e3       0.0       7,44       521       0       0         Sub Race Course       e3       5755.0       3,073       1,344       17,000,157       7,734,720       25,534         Base Course       e3       6480.0       4,276       2,275       27,706,400       14,671,600       42,5380         Shoulder       e2       81000.0       273       145       25,733,000       11,475,000       35,540         Surface Dressing (Bouble)       e2       0.0       813       935       0       0         Surface Dressing (Bouble)       e3       0.0       1,265       473       0       0         Pipe Culvert B020ca       e       0.0       64,703       38,005       0       0         Retaining Nati Mad Hing Nati (Hasonry)       e3       0.0       13,174       120       0       0         Retaining Nati and Hing Mall (Hasonry)       e3       0.0       13,174       120       0       0         Retaining Nati and Hing Mall (Hasonry)       e3		#2	0.0	21	· 11	0	0	C
fill in Swaap       a3       0.0       2,449       1,050       0         Norwait Excavation to Spoil       a3       0.0       974       521       0         Norwait Excavation to Spoil       a3       0.0       974       521       0       0         Sub Base Course       a3       5753.0       3,093       1,341       17,800,215       7,734,720       25,534         Base Course       a3       5753.0       3,093       1,341       17,800,011       7,454,000       35,776         Shoulder       a2       0.0       3,888       1,375       0       0       0         Surface Dressing (Sougle)       a2       0.0       13       9,755       0       0       0         Earth Drain       Bxaap (Dy archine)       a3       0.0       1,205       473       0       0         Fipe Culvert 180x0cal       a       0.0       46,4703       38,005       0       0       0         Retaining Mail and Hing Mail (Hasonry)       a3       0.0       15,441       245       0       0         Retaining Mail and Hing Mail (Hasonry)       a5       0.0       46,493       11,175       0       0         Retaining Mail and Hing Mail		#3	0.0	1,667	861	0	0	· (
Noral Eccavation to Spoil       53       0.0       974       521       0       0         Sub Base Course       a3       5755.0       3.073       1.344       17.000,215       7.734,720       25,534         Shoulder       a2       8100.0       275       27.708,440       14.971.600       25,534         Shoulder       a2       81000.0       273       145       23,733,000       11,745,000       35,470         Asphalt Patching       a2       0.0       679       575       0       0         Surface Dressing (Single)       a2       0.0       813       935       0       0         Surface Dressing (buble)       a2       0.0       813       935       0       0         Earth Drain in Swaap (by aachine)       a3       0.0       1,205       473       0       0         Retaining Nall and Hing Mall (linker)       a2       0.0       15,441       245       0       0         Retaining Nall and Hing Mall (linker)       a2       0.0       15,441       245       0       0         Retaining Nall and Hing Mall (linker)       a2       0.0       15,441       245       0       0         Retaining Nall and Hing Mall (linker) <td>fill in Swamp</td> <td><b>a</b>3</td> <td>0.0</td> <td>2,449</td> <td>1,050</td> <td>, Ó</td> <td>- 0</td> <td>· · · · (</td>	fill in Swamp	<b>a</b> 3	0.0	2,449	1,050	, Ó	- 0	· · · · (
Sub Pase Course       a3       5755.0       3,093       1,344       17,000,115       7,734,720       25,534         Base Course       a3       6480.0       4,276       2,795       27,700,460       14,871,660       42,580         Shoulder       a2       8100.0       273       145       23,733,000       11,745,000       35,470         Asphalt Patching       a2       0.0       3,888       1,375       0       0         Surface Dressing (Single)       a2       0.0       659       595       0       0         Earth Drain in Swaap (by aachine)       a3       0.0       1,205       473       0       0         Pipe Cuivert 1080ca       a       5.0       45,443       44,975       227,215       449         Retaining Mail and Ming Mail (Hasonry)       a3       0.0       46,983       11,775       0       0         Retaining Mail and Ming Mail (Masonry)       a3       0.0       13,174       120       0       0         Retaining Mail and Ming Mail (Masonry)       SET       1.0         0       0         Retaining Mail and Ming Mail (Masonry)       SET       1.0        -       0       0	Normal Excavation to Spoil	<b>n</b> 3	0.0		521	0	0	(
Base Course       =3       6480.0       4,276       2,278       27,703,000       14,4871,600       42,580         Shoulder       =2       81000.0       273       145       23,733,000       11,745,000       35,470         Shoulder       =2       0.0       3,808       1,775       0       0         Surface Dressing (Souble)       =2       0.0       813       935       0       0         Surface Dressing (Souble)       =2       0.0       813       935       0       0       9,061         Earth Drain in Swap (by aachine)       =3       0.0       1,205       473       0       0       9,061         Sacony Culvert 1000ce       =       5.0       45,443       44,075       227,215       222,475       449         Resony Culvert 1000ce       =3       0.0       15,441       245       0       0         Retaining Wall and Ming Wall (Hasonry)       =3       0.0       15,411       20       0       0         Sub fortal       10,414,075       27,735,410       35,549,575       113,103       0       0         Retaining Wall and Ming Wall (Hasonry)       #3       1.0         0       0 <t< td=""><td></td><td>a3</td><td>5755.0</td><td>3,073</td><td>1,344</td><td>17,800,215</td><td>7,734,720</td><td>25,534,93</td></t<>		a3	5755.0	3,073	1,344	17,800,215	7,734,720	25,534,93
Shoulder       m2       B100.0       293       145       23,733,000       11,745,000       35,476         Asphalt Patching       m2       0.0       3,888       1,375       0       0         Surface Dressing (Bouble)       m2       0.0       659       595       0       0         Surface Dressing (Bouble)       m2       0.0       813       935       0       0         Earth Drain       m       B200.0       986       117       B,085,200       975,800       9,061         Earth Drain in Swaap (by machine)       m3       0.0       1,205       473       0       0         Pipe Culvert 080cm       m       3.0.0       1,205       473       0       0         Retaining Mall and Ming Nall (Timber)       m2       0.0       64,703       38,085       0       0         Retaining Mall and Ming Nall (Masonry)       m3       0.0       15,141       245       0       0         Retaining Mall and Ming Nall (Masonry)       m3       0.0       15,141       240       0       0         Reverbead       (Tiber Tridge (Concrete)       SET       1.0         0       0         New Bridge (Concrete)	Pase Course	#J					14,871,600	42,580,080
Asphalt Patching       a2       0.0       3,888       1,375       0       0         Surface Dressing (Souble)       a2       0.0       813       935       0       0         Surface Dressing (Souble)       a2       0.0       813       935       0       0         Sarth Drain       n       8200.0       986       119       9,065,200       975,800       9,061         Earth Drain       n       8200.0       986       119       9,065,200       975,800       9,061         Earth Drain       n       8200.0       986       119       9,065,200       975,800       9,061         Bascary Culvert (80x80cal       e       0.0       45,743       44,975       227,215       222,475       449         Retaining Mall and Ming Wall (Timber)       a2       0.0       15,441       245       0       0         Retaining Mall and Ming Wall (Masonry)       a3       0.0       15,174       120       0       0         Retaining Mall and Ming Wall (Masonry)       s3       0.0       13,174       120       0       0         New Bridge (Timber)       SET       1.0         0       0         Reataining Mall					-			35,478,000
Surface Dressing (Single)         m2         0.0         659         595         0         0           Surface Dressing (Bouble)         m2         0.0         813         935         0         0           Earth Drain         me 8200.0         986         119         B,085,200         975,800         97,061           Earth Drain in Swamp (by machine)         m3         0.0         1,205         473         0         0           Pipe Culvert 1800Cm         ma         3.0         45,443         44,952         227,215         222,475         449           Masonry Culvert 1800Cm         ma         0.0         15,441         245         0         0           Retaining Wall and Wing Mall (Himber)         m2         0.0         15,441         245         0         0           Retaining Wall and Wing Mall (Masonry)         m3         0.0         13,174         20         0         0           Retaining Wall and Wing Mall         Many Sall (Masonry)         Sall 0.0         13,174         120         0         0           Retaining Wall and Wing Mall         Sall 0.0         Sall 0.0         13,0131         11,653,116         5,332,439         16,955           Retaining Wall and Wing Wall         <							. 0	(
Surface Dressing (Bouble)       a2       0.0       B13       935       0       0         Earth Drain       n       B200.0       986       119       B,085,200       975,800       9,061         Earth Drain in Swaap (by machine)       a3       0.0       1,205       473       0       0         Pipe Culvert 1080cm       m       5.0       45,443       44,495       227,215       222,475       449         Masonry Culvert 1080x0cal       m       0.0       64,708       38,085       0       0         Retaining Mall and Hing Mall (Imber)       m.2       0.0       15,441       245       0       0         Retaining Mall and Hing Mall (Masonry)       m.3       0.0       13,174       120       0       0         Retaining Mall and Hing Mall (Masonry)       m.3       0.0       13,174       120       0       0         Retaining Mall and Hing Mall (Masonry)       m.3       0.0       13,174       120       0       0         Retaining Mall and Hing Mall (Masonry)       m.3       0.0       13,174       120       0       0         Rever       Bridge (Concretel)       SET       1.0         0       0				•		0	0	· · · · · · · · · (
Earth Drain   B200.0 906 119 B,085,200 975,800 9,061 Earth Drain in Swaap (by machine)  B 3 0.0 1,205 473 0 0  Pipe Culvert 180x80cal  B 0.0 64,700 38,085 0  Retaining Wall and Hing Mall (limber)  C 0.0 15,441 245 0  Retaining Wall and Hing Mall (Masonry)  B 0.0 46,893 11,775 0  Retaining Wall and Hing Mall (Masonry)  B 0.0 13,174 120 0  New Bridge (limber)  SEI 1.0 0  New Bridge (Concrete)  SEI 1.0 0  Sub Total  TOTAL CDST  B9,187,226 40,882,034 130,069  Nauel and Km  Sub Total  Sub Tota						. 0	· . · . 0	· · · (
Earth Drain in Swamp (by matchine) as 0.0 1,205 473 0 0 Pipe Culvert B80cm s 5.0 45,443 44,495 227,215 222,475 449 Masonry Culvert (80x80cm) s 0.0 64,708 38,085 0 0 Retaining Mall and Hing Mall (limber) s 0.0 15,441 245 0 0 Babion Protection s 0.0 46,893 11,775 0 0 Babion Protection s 0.0 13,174 120 0 0 New Bridge (limber) SET 1.0 0 0 New Bridge (Concrete) SET 1.0 0 0 Sub Total 77,554,110 35,549,595 113,103 Gverhead (15%) 11,633,116 5,332,439 16,965 Manual routine maintenance of road Km 27.0 162,540 7,248 4,388,580 195,696 4,584 Routine maintenance of gravel road Km 27.0 188,778 87,875 5,077,006 2,374,553 7,471 Sub Total 7,6584 2,570,049 12,055 Maintenance of Timber Bridge (New) m 2 0.0 7,081 2,805 0 0 Maintenance of Timber Bridge (New) m 2 0.0 7,081 2,805 0 0 Maintenance of Timber Bridge (New) m 2 0.0 7,081 2,805 0 0 Maintenance of Timber Bridge (New) m 2 0.0 7,081 2,805 0 0 Maintenance of Timber Bridge (New) m 2 0.0 4,130 2,403 0 0 Maintenance of Timber Bridge (New) m 2 0.0 4,130 2,403 0 0 Maintenance of Concrete Bridge (Kex) m 2 0.0 4,130 2,403 0 0 Maintenance of Concrete Bridge (Kex) m 2 0.0 4,130 2,403 0 0 Maintenance of Concrete Bridge (Kex) m 2 0.0 4,130 2,403 0 0 Maintenance of Concrete Bridge (Kex) m 2 0.0 4,130 2,403 0 0 Maintenance of Concrete Bridge (Kex) m 2 0.0 4,130 2,403 0 0 Maintenance of Concrete Bridge (Kex) m 2 0.0 4,130 2,403 0 0 Maintenance of Concrete Bridge (Kex) m 2 0.0 4,130 2,403 0 0 Kantenance Mine Cost (Rp/Ke) i 4,017 Timber Bridge Unit Cost (Rp/Ke) i 12,765 Maintenance Rate without Bridge (Xi t						8.085.200	975,800	7,061,000
Pipe Cuivert DBOcm = 5.0 45,443 44,495 227,215 222,475 449 Masonry Cuivert (BOxBoca) = 0.0 64,709 38,085 0 0 Retaining Mall and Hing Mall (Timber) = 2 0.0 15,441 245 0 0 Retaining Mall and Hing Mall (Masonry) = 3 0.0 46,987 11,775 0 0 Gabion Protection = 3 0.0 13,174 120 0 0 New Bridge (Timber) = SET 1.0 0 0 New Bridge (Concrete) = SET 1.0 0 0 Sub Total = 77,554,110 35,549,595 113,103 Gverhead (15%) = 11,653,116 5,332,439 16,965 TOTAL COST = 89,187,226 40,882,034 130,069 Manual rowtine maintenance of road Km 27.0 162,540 7,246 4,389,580 195,696 4,584 Routine maintenance of gravel road Km 27.0 188,778 B7,979 5,097,006 2,374,353 7,471 Sub Total = 9,485,586 2,570,017 (2,055 Maintenance of Concrete Bridge (New) = 2 0.0 9,889 1,343 0 0 Haintenance of Concrete Bridge (New) = 2 0.0 2,081 2,805 0 0 Haintenance of Concrete Bridge (Kew) = 2 0.0 4,130 2,403 0 0 Haintenance of Concrete Bridge (Exist) = 2 0.0 4,130 2,403 0 0 Haintenance of Concrete Bridge (Exist) = 2 0.0 4,130 2,403 0 0 Haintenance of Concrete Bridge (Exist) = 2 0.0 4,130 2,403 0 0 Haintenance of Concrete Bridge (Exist) = 2 0.0 4,130 2,403 0 0 Haintenance of Concrete Bridge (Exist) = 2 0.0 4,130 2,403 0 0 Haintenance of Concrete Bridge (Exist) = 2 0.0 4,130 2,403 0 0 Haintenance of Concrete Bridge (Exist) = 2 0.0 4,130 2,403 0 0 Haintenance of Concrete Bridge (Exist) = 2 0.0 4,130 2,403 0 0 Haintenance of Concrete Bridge (Exist) = 2 0.0 4,130 2,403 0 0 Kaintenance of Concrete Bridge (Exist) = 2 0.0 4,130 2,403 0 0 Haintenance of Concrete Bridge (Exist) = 2 0.0 4,130 2,403 0 0 Haintenance of Rp/A2) : Concrete Bridge Unit Cost (Rp/Ke) : 4,817 Haintenance (Rp) : 12,767 Haintenance Rate without Bridge (X) :						•		(
Masonry Culvert (80x80cs)       •       0.0       64,708       38,085       0       0         Retaining Mall and Hing Mall (linber)       •2       0.0       15,441       245       0       0         Retaining Mall and Wing Mall (Masonry)       •3       0.0       46,893       11,775       0       0         Reb Bridge (Timber)       SET       1.0         0       0         New Bridge (Concrete)       SET       1.0         0       0         New Bridge (Concrete)       SET       1.0         0       0         Sub Total       77,554,110       35,549,595       113,103       0       0         Overhead       (15%)       15,351       5,352,439       16,965       16,965         Manual routine maintenance of road       Km       27.0       162,540       7,248       4,388,580       195,696       4,588         Routine maintenance of gravel road       Km       27.0       162,540       7,248       4,388,580       195,696       4,584         Routine maintenance of Gravel road       Km       27.0       162,540       7,248       4,388,580       195,696       4,584         Maintenance							222.475	449,690
Anson y our filter       a       0.0       15,441       245       0         Retaining Wall and Wing Wall (Timber)       a       0.0       15,441       245       0         Retaining Wall and Wing Wall (Timber)       a       0.0       15,141       245       0         Retaining Wall and Wing Wall (Timber)       a       0.0       13,174       120       0       0         Retaining Wall and Wing Wall (Timber)       s       0.0       13,174       120       0       0         Rew Bridge (Timber)       SET       1.0         0       0         New Bridge (Concrete)       SET       1.0         0       0         Gverhead       (15Z)       TOTAL       COST       89,187,226       40,982,034       130,069         Manual routine maintenance of road       K#       27.0       162,540       7,248       4,388,580       195,696       4,594         Routine maintenance of gravel road       K#       27.0       188,778       87,937       5,097,006       2,374,353       7,471         Sub       Total       9,485,586       2,570,049       12,055        12,055         Haintenance of Concrete Bridge (New)								
Retaining Wall and Wing Wall (Nasonry)       a3       0.0       44,893       11,725       0       0         Gabion Protection       x3       0.0       13,174       120       0       0         New Bridge (Timber)       SET       1.0         0       0         New Bridge (Concrete)       SET       1.0         0       0         Sub Total       77,554,110       35,549,595       113,103         Gverhead       (15%)       11,633,116       5,332,439       16,965         Manual routine maintenance of road       Km       27.0       162,540       7,240       4,389,580       195,696       4,584         Routine maintenance of gravel road       Km       27.0       162,540       7,240       4,389,580       195,696       4,584         Routine maintenance of gravel road       Km       27.0       188,778       87,939       5,097,006       2,374,353       7,471         Sub Total       9,485,586       2,570,049       12,055       0       0         Haintenance of Concrete Bridge (New)       n2       0.0       9,888       1,343       0       0         Haintenance of Concrete Bridge (Kew)       n2       0.0							0	
And a						0		
Work Bridge (limber)       SET       1.0         0       0         New Bridge (limber)       SET       1.0         0       0         Sub Total       77,554,110       35,549,595       113,103         Gverhead       (15%)       11,633,116       5,332,439       16,965         Manual routine maintenance of road       Km       27.0       162,540       7,248       4,388,580       195,696       4,584         Routine maintenance of gravel road       Km       27.0       162,540       7,248       4,388,580       195,696       4,584         Naintenance of limber Bridge (New)       m2       0.0       9,887       5,087,905       2,374,353       7,471         Sub Total       9,489,586       2,570,049       12,055       0       0         Haintenance of Timber Bridge (New)       m2       0.0       9,885       0       0         Haintenance of Concrete Bridge (New)       m2       0.0       2,081       2,805       0       0         Haintenance of Concrete Bridge (Exist)       m2       0.0       4,130       2,403       0       0         Haintenance of Concrete Bridge (Exist)       m2       0.0       4,130       2,				•		. 0	-	. (
New Bridge (Concrete)       SET       1.0        0       0         Sub Total       77,554,110       35,549,595       113,103         Bverhead (15%)       11,633,116       5,332,439       16,965         TOTAL COST       89,187,226       40,082,034       130,069         Manual routine maintenance of road       Km       27.0       162,540       7,248       4,388,580       195,696       4,584         Routine maintenance of gravel road       Km       27.0       168,778       87,939       5,097,006       2,374,353       7,471         Sub Total       9,485,586       2,570,049       12,055         Maintenance of Imber Bridge (New)       m2       0.0       9,888       1,343       0       0         Maintenance of Concrete Bridge (Kew)       m2       0.0       2,081       2,805       0       0         Maintenance of Concrete Bridge (Exist)       m2       0.0       4,130       2,403       0       0         Ball       maintenance of Concrete Bridge (Exist)       m2       0.0       4,130       2,403       0       0         Maintenance of Concrete Bridge (Exist)       m2       0.0       4,130       2,403       0       0       0       0				•		· •	, v	
Sub Totał       77,554,110       35,549,595       113,103         Gverhead (15%)       11,633,116       5,332,439       16,965         TOTAL COST       89,187,226       40,882,034       130,069         Manual routine maintenance of road       Km       27.0       162,540       7,248       4,388,580       195,696       4,584         Routine maintenance of gravel road       Km       27.0       188,778       87,939       5,097,006       2,374,353       7,471         Sub Total       9,485,586       195,696       4,584         Maintenance of Goncrete Bridge (New)       m2       0.0       9,889       1,343       0       0         Maintenance of Concrete Bridge (Exist)       m2       0.0       2,081       2,805       0       0         Maintenance of Concrete Bridge (Exist)       m2       0.0       4,130       2,403       0       0         Maintenance of Concrete Bridge (Exist)       m2       0.0       4,130       2,403       0       0         Maintenance of Concrete Bridge (Exist)       m2       0.0       4,130       2,403       0       0         Maintenance of Concrete Bridge (Exist)       m2       0.0       4,130       2,403       0       0	,						· 0	
Gverhead (15%)       11,633,116       5,332,439       16,965         TOTAL COST       89,187,226       40,882,034       130,069         Manual routine maintenance of road       Km       27.0       162,540       7,248       4,388,580       195,696       4,584         Routine maintenance of gravet road       Km       27.0       188,778       87,939       5,097,006       2,374,353       7,471         Sub fotal       9,485,586       2,570,049       12,055         Maintenance of limber Bridge (New)       m2       0.0       2,081       2,805       0       0         Maintenance of Concrete Bridge (Exist)       m2       0.0       4,130       2,403       0       0         Maintenance of Concrete Bridge (Exist)       m2       0.0       2,688       2,513       7,619,040       2,211,440       9,830         Maintenance of Concrete Bridge (Exist)       m2       0.0       4,130       2,403       0       0         Kaintenance of Concrete Bridge (Exist)       m2       0.0       4,130       2,403       0       0         Maintenance of Concrete Bridge (Exist)       m2       0.0       4,130       2,403       0       0         Kaintenance of Concrete Bridge (Exist)       m2	NEN Bridge (Loncrete)	551	1.0			v	. <b>v</b>	
TOTAL COST       89,187,226       40,882,034       130,069         Nanual routine maintenance of road       Km       27.0       162,540       7,249       4,389,580       195,696       4,584         Routine maintenance of gravel road       Km       27.0       188,778       87,939       5,097,008       2,374,353       7,471         Sub Fotal       9,485,586       2,570,049       12,055         Maintenance of Timber Bridge (New)       m2       0.0       2,081       2,805       0       0         Maintenance of Timber Rridge (Exist)       m2       0.0       2,081       2,805       0       0         Maintenance of Concrete Bridge (Exist)       m2       0.0       4,130       2,403       0       0         Maintenance of Concrete Bridge (Exist)       m2       0.0       4,130       2,403       0       0         Maintenance of Concrete Bridge (Exist)       m2       0.0       4,130       2,403       0       0         Kaintenance of Concrete Bridge (Exist)       m2       0.0       4,130       2,403       0       0         Kaintenance of Concrete Bridge (Exist)       m2       0.0       4,130       2,403       0       0         Kaintenance Rate without Bridge				Sub Total	· .	77,554,110	35,549,595	113,103,70
Manual routine maintenance of road       Km       27.0       162,540       7,248       4,369,580       195,696       4,584         Routine maintenance of gravel road       Km       27.0       188,778       87,939       5,097,006       2,374,353       7,471         Sub Iotal       9,485,586       2,570,049       12,055         Maintenance of Timber Bridge (New)       m2       0.0       9,888       1,343       0       0         Naintenance of Concrete Bridge (New)       m2       0.0       2,081       2,805       0       0         Haintenance of Timber Bridge (Exist)       m2       0.0       8,658       2,513       7,619,040       2,211,440       9,830         Maintenance of Concrete Bridge (Exist)       m2       0.0       4,130       2,403       0       0         Kaintenance of Concrete Bridge (Exist)       m2       0.0       4,130       2,403       0       0         Kaintenance of Concrete Bridge (Exist)       m2       0.0       4,130       2,403       0       0         Kaintenance of Concrete Bridge (Exist)       m2       0.0       4,130       2,403       0       0         Kaintenance of Concrete Bridge (Exist)       m2       0.0       4,130       2,403	Overhead (15%)					11,633,116	5,332,439	16,965,55
Hanual routine maintenance of road Km 27.0 162,540 7,248 4,389,580 195,696 4,584 Routine maintenance of gravel road Km 27.0 188,778 87,939 5,097,006 2,374,353 7,471 Sub Iotal 9,485,586 2,570,049 12,055 Haintenance of Timber Bridge (New) m2 0.0 9,888 1,343 0 0 Haintenance of Concrete Bridge (New) m2 0.0 2,081 2,805 0 0 Haintenance of Timber Bridge (Exist) m2 BB0.0 8,658 2,513 7,619,040 2,211,440 9,830 Maintenance of Concrete Bridge (Exist) m2 0.0 4,130 2,403 0 0 Earthwork & Pavement Unit Cost (Rp/Km) : 4,817 Timber Bridge Unit Cost (Rp/Km) : 4,817 Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Survived Value (Rp) : 12,767 Naintenance Rate without Bridge (X) :				TATAL COST		89.187.226	40,882,034	130,069,26
Routine maintenance of gravel road Km 27.0 188,778 87,939 5,097,006 2,374,353 7,471 Sub Total 9,495,586 2,570,049 12,055 Maintenance of Timber Bridge (New) m2 0.0 9,888 1,343 0 0 Maintenance of Concrete Bridge (New) m2 0.0 2,081 2,805 0 0 Maintenance of Timber Bridge (Exist) m2 BB0.0 8,658 2,513 7,619,040 2,211,440 9,830 Maintenance of Concrete Bridge (Exist) m2 0.0 4,130 2,403 0 0 Earthwork & Pavement Unit Cost (Rp/Km) : 4,817 Timber Bridge Unit Cost (Rp/Km) : 4,817 Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Survived Value (Rp) : 12,767 Maintenance Rate without Bridge (X) :					:			
Routine maintenance of gravel road Km 27.0 188,778 87,939 5,097,006 2,374,353 7,471 Sub Total 9,485,586 2,570,049 12,055 Maintenance of Timber Bridge (New) m2 0.0 9,809 1,343 0 0 Maintenance of Concrete Bridge (New) m2 0.0 2,081 2,805 0 0 Maintenance of Timber Bridge (Exist) m2 BB0.0 8,658 2,513 7,619,040 2,211,440 9,830 Maintenance of Concrete Bridge (Exist) m2 0.0 4,130 2,403 0 0 Earthwork & Pavement Unit Cost (Rp/Km) : 4,817 Timber Bridge Unit Cost (Rp/Km) : 4,817 Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : 12,767 Maintenance Rate without Bridge (X) :								*
Sub Total         9,495,586         2,570,049         12,055           Maintenance of Timber Bridge (New)         m2         0.0         9,809         1,343         0         0           Maintenance of Concrete Bridge (New)         m2         0.0         2,081         2,805         0         0           Maintenance of Concrete Bridge (Exist)         m2         0.0         2,081         2,805         0         0           Maintenance of Timber Bridge (Exist)         m2         0.0         8,658         2,513         7,619,040         2,211,440         9,830           Maintenance of Concrete Bridge (Exist)         m2         0.0         4,130         2,403         0         0           Earthwork & Pavement Unit Cost (Rp/Ke):         4,817           Timber         Bridge         Unit Cost (Rp/Ke):         4,817           Timber         Bridge         Unit Cost (Rp/m2):         12,767           Survived         Value         (Rp):         12,767           Maintenance Rate without Bridge         (X):         12,767		· Ka		•	•			4,581,27
Maintenance of Timber Bridge (New)       m2       0.0       9,888       1,343       0       0         Naintenance of Concrete Bridge (New)       m2       0.0       2,081       2,805       0       0         Haintenance of Timber Bridge (Exist)       m2       0.0       2,081       2,805       0       0         Haintenance of Timber Bridge (Exist)       m2       0.0       8,658       2,513       7,619,040       2,211,440       9,830         Maintenance of Concrete Bridge (Exist)       m2       0.0       4,130       2,403       0       0         Kaintenance of Concrete Bridge (Exist)       m2       0.0       4,130       2,403       0       0         Kaintenance of Concrete Bridge (Exist)       m2       0.0       4,130       2,403       0       0         Kaintenance of Concrete Bridge (Exist)       m2       0.0       4,130       2,403       0       0         Kaintenance Bridge Unit Cost (Rp/Ke)       t       t       4,817       1       1       1       1       1       1         Kaintenance Bridge Unit Cost (Rp/m2)       t       t       Survived Value       (Rp)       1       1       1       1       1       1       1       1 <td< td=""><td>Routine maintenance of gravel road</td><td>Ka</td><td>27.0</td><td>•</td><td></td><td></td><td></td><td>7,471,35</td></td<>	Routine maintenance of gravel road	Ka	27.0	•				7,471,35
Naintenance of Concrete Bridge (New)m20.02,0812,80500Maintenance of Timber Bridge (Exist)m2BB0.0B,6582,5137,619,0402,211,4409,830Maintenance of Concrete Bridge (Exist)m20.04,1302,40300Earthwork & Pavement Unit Cost (Rp/Ke)fTimber Bridge Unit Cost (Rp/Ke)fConcrete Bridge Unit Cost (Rp/Ke)fSurvived ValuefBurvived Value(Rp)fNaintenance Rate without Bridge (X)								12,055,63
Haintenance of Timber Bridge (Exist) #2 BB0.0 B,658 2,513 7,619,040 2,211,440 9,830 Maintenance of Concrete Bridge (Exist) #2 0.0 4,130 2,403 0 0 Earthwork & Pavement Unit Cost (Rp/Ke) : 4,817 Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Survived Value (Rp) : 12,767 Naintenance Rate without Bridge (X) ;			· · ·	•		-		
Maintenance of Concrete Bridge (Exist) #2 0.0 4,130 2,403 0 0 Earthwork & Pavement Unit Cost (Rp/Ke) : 4,817 Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Burvived Value (Rp) : 12,767 Maintenance Rate without Bridge (X) ;		. в2	0.0	•				
Earthwork & Pavement Unit Cost (Rp/Ke) : 4,81) Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Survived Value (Rp) : 12,76) Naintenance Rate without Bridge (X) ;		#2	880.0	8,658	2,513	7,619,040		9,830,48
Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Burvived Value (Rp) : 12,767 Naintenance Rate without Bridge (%) ;	Maintenance of Concrete Bridge (Exist)	#2	0.0	4,130	2,403	Q	0	
Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Burvived Value (Rp) : 12,767 Naintenance Rate without Bridge (%) ;								
Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Burvived Value (Rp) : 12,767 Naintenance Rate without Bridge (%) ;								
Timber Bridge Unit Cost (Rp/m2) : Concrete Bridge Unit Cost (Rp/m2) : Burvived Value (Rp) : 12,767 Naintenance Rate without Bridge (%) ;				Earthwork &	Pavement U	nit Cost (l	(p/Ke) i	4,817,38
Concrete Bridge Unit Cost (Rp/#2) : Survived Value (Rp) : 12,767 Naintenance Rate without Bridge (X) ;								
Survived Value (Rp) : 12,76) Naintenance Rate without Bridge (%) ;								
Naintenance Rate without Bridge (X) :	· · · · · · · · · · · · · · · · · · ·		é e					12,767,46
						t Bridge		9.2
NED DIAGE ODDE NEEE - INT - 3	• • • • •					*		
				ten strade				

KAB : BANGKA

LINK NO :

7 (1110-1) LENDTH : 7 Km

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

1 Y E H	UNIT	QUANTERY	<<< UNIT LOCAL	COST >>> Forelgn	<<< LOCAL	<<< COST Fore Ign	>>>>>> Total
					) an an in in in an an an an an an an an		******
lite Clearance in Light Bush	. #2	0.0	162	91	0	. 0	. 0
Subgrade Preparation	#Z	0.0	21	11	0	0	0
lormal Fill	e3	0.0	1,667	861	0	0	. 0
ill in Swamp	æ3	0.0	2,449	1,050	0	0	
formal Excavation to Spoil	#3	0.0	974	521	0	0	
Sub Base Course	a 3		3,093	1,344	3,730,158	1,620,864	5,351,022
lase Course	#3	1960.0	1,276	2,295	8,380,960	4,498,200	12,879,160
Shoulder	s2	14000.0	293	145	4,102,000	2,030,000	6,132,000
Isphalt Patching	#2	0.0	3,899		.,	0	offorfor
Surface Dressing (Single)	m2	28000.0	659	595	18,452,000		35,112,000
Surface Dressing (Double)	a2	0.0	813	935	101102,000	101000,000	3011141000
arth Drain	. 8	4500.0	986	119	4,437,000	535,500	4,972,500
arth Drain in Swamp (by machine)	#3	0.0	1,205	473	1,107,000	000,000	1,111,100
Pipe Culvert D80cm		0.0	45,443	44,495		. V A	. (
lasonry Culvert (80x80cm)	-	0.0	64,705	38,085	0	0	
letaining Wall and Wing Wall (Timber)	#2	0.0		245	0	0	(
Retaining Wall and Wing Wall (Masonry)	#L #3				. 0	U A	
Gabion Protection		0.0	46,893	11,775	0	. U	
lew Bridge (Tinber)	R3 CCI	0.0	13,174	120	0	0	4
lew Bridge (Concrete)	SET	1.0	·		. 0	0	
ea prioge concreter	SET	1.0			U	0	
			Sub Total		39,102,118	25,344,564	64,446,68
							• •
lverhead (15%)					5,865,317	3,801,684	9,667,00
			TOTAL COST		44,967,435	29,146,248	74,113,68
· · · · · · · · · · ·			•			·	
lanual routine maintenance of road	Ka	7.0		7,249	1,137,780	50,736	1,180,51
coutine maintenance of asphalt road	Ke	7.0	388,800	137,500	2,721,600		3,684,10
	_		Sub Total		3,859,380		4,872,61
laintenance of Timber Bridge (New)	в2	0.0	9,888	1,343	0		
laintenance of Concrete Bridge (New)	a2		2,081	2,805	0		
laintenance of Timber Bridge (Exist)	a2			2,513	, Q	, Ο.	
laintenance of Concrete Bridge (Exist)	s?	0.0	4,130	2,403	0	0	
				· · · · ·			
				Pavement Un		Rp/Ka) :	10,587,86
			limber			Rp/m2} :	
			Concrete		it Cost (	Rp/m2ł i	
			Sur vi ved	Value		(Rp) ;	6,321,51
				Rate without	Bridge	(%) :	6.5
			New Bridge	Cost Rate		(2) :	

\$

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5 (IIIC)

SUMATERA SELATAN KAB : BANGKA

16. Km

LINK NO

UPGRADE : 6.0m road bed, 4.0m road with surface Subbase Cource (Rp)

LENGTH :

					•>>>	((( COST	>>>>>>
ITEN	ÍNIT	QUANTITY	LOCAL	COST >>> FOREIGN	LOCAL	FOREIGN	TOTAL
ite Clearance in Light Bush	•2	0.0	162	. 91	. 0	0	(
ubgrade Preparation	•2		21	11	0	0	1
ormal Fill	aJ		1,667	861	. 0	0	. i
ill in Swamp	<b>m</b> 3		2,449	1,050	0	0	
ormal Excavation to Spoil	<b>m</b> 3	0.0	974	521	0	0	
nb Base Course	#3	0.0	3,093	1,344	. 0	0	
ase Course	a3		4,276	2,295	0	0	100
houlder	#2	1	293	145	9,376,000	4,640,000	14,016,00
sphalt Patching	#2	2236.0	3,888	1,375	8,693,569	3,074,500	11,768,06
urface Dressing (Single)	#2		659	595	0	0	
urface Dressing (Bouble)	=2	0.0	813	935	0	0	
arth Drain	. 8	3800.0	986	119	3,746,800	452,200	4,199,00
arth Drain in Swamp (by machine)	#3	0.0	1,205	473	0	0	
ipe Culvert DBOca		0.0	45,443	44,495	÷0	0	
asonry Culvert (80x80c#)		0.0	64,708	38,095	0	0	
etaining Wall and Wing Wall (Timber)	•2		15,441	245	D	0	
	#3		46,893	11,775	Ň	. 0	
etaining Wall and Wing Wall (Nasonry)	. #3		13,174	120	. v		
abion Protection			131114	1 Z V	ů N	0	
ен Bridge (limber)	SET.				v 0	Ň	11.11
en Bridge (Concrete)	SET	1.0		· · · · ·	v	V .	
			Sub Tatal		21,816,368	8,166,700	29,983,00
verhead (15%)					3,272,455	1,225,005	4,497.4
			TOTAL COST		25,080,823	9,391,705	34,480,57
					5 100 140	115 010	5 TIL L
anual routing maintenance of road	Ka	· · ·	162,540	7,249			2,716,6
outine maintenance of gravel road	Kn	16.0	108,778	87,939			4,427,4
	-		Sub Total		5,621,088	1,522,992	7,144;0
aintenance of Timber Bridge (New)	#2		7,888	1,343		0	
aintenance of Concrete Bridge (New)	#2		2,081	2,805		() 100 010	
aintenance of Timber Bridge (Exist)	#2		0,659				9,774,8
aintenance of Concrete Bridge (Exist)	#2	0,0	4,130	2,403	v	. 0	
· · · · · · · · · · · · · · · · · · ·			Earthwork &	Pavement	Unit Cost (1	Rp/Ka) s	2,155,0
			linber			Rp/m2) 1	:
			Concrete			Rp/#2) :	
· · · · · ·			Survived	Value		(Rp) 1	
				S. C			50
		100 B	Maintenance	Kace Alcuo	ut ørlage	(%) 1	20.

FROV	:	SUM	ATERA SELATAN	KAB	:	BANGKA	
LINK ND	P '	10	(1118-2)	LENGTH	- <b>H</b>	6 Km	

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

ITEH	UNIT	QUANTETY	KKK UNIT Local	COST >>> Foreign		<<<<<<	COST Fore Lon	
ite Clearance in Light Bush	<b>n</b> 2	0.0	162	91		0	: (	
ubgrade Preparation	#Z	0.0	21	ii.		ŏ	(	)
ormal Fill	•3		1,667			ò	, i	, }
ill in Swamp	#3	0.0	2,449	1,050		ŏ		
preal Excavation to Spoil	#3	0.0	974	521		õ		
ub Base Course	=3	894.0	3,093	1,344	2,734	-	1,188,098	1. S.
ase Course	<b>n</b> 3	1440.0	4,276	2,295	6,157	440	3,304,800	•. •
toulder	#2	18000.0	293	145				
sphalt Patching	A2	0.0	3,999				2,610,000	•
urface Dressing (Single)	#2 #2	0.0	51000	1,375		0		
urface Dressing (Double)				595		. 0		)
anth Basta	•2	0.0	813	935		0	(	
arth Drain in Swamp (by machine)		0.0	986	117		0 ·	(	
ipe Culvert DBOce	#3	0.0	1,205	473		0	. (	
	1 <b>1</b>	0.0	45,443	44,495		0	(	)
asonry Culvert (80x80c#)		0.0	64,708	38,085		0	(	)
etaining Wall and Hing Wall (Timber)	#2	0.0	15,411	245		Ø		)
etaining Wall and Wing Wall (Masonry)	<b>6</b> 3	0.0	46,893	11,775		0	(	)
abion Protection	ø3	0.0	13,174	120		0	(	)
ew Bridge (Timber)	SET	1.0	•-			0	(	)
ew Bridge (Concrete)	SET	1.0				0	2 A (	) <sub>211</sub>
· .			Sub Total		14,165	,652	7,102,89	5 21,268,54
verhead ( 15% )					2,124	,847	1,065,43	3,190,28
			TOTAL COST		16,290	,499	8,168,33	0 24,458,82
			· · · · · · · · · · · · · · · · · · ·					
anual routine maintenance of road	Kø	6.0	162,540	7,248	975	.240	43,48	1,018,72
outine maintenance of gravel road	Ka	6.0	100,770		1,132		527,63	•
service autorentiate of grater road		010	Sub Total	0,1,0,	2,107		571,12	
aintenance of Timber Bridge (New)	#2	0.0	<b>300 10(3)</b>	1,343		0		)
aintenance of Concrete Bridge (New)	#2 #2	0.0	2 000	2,805		õ		, )
aintenance of Timber Bridge (Exist)	=2	0.0	2,081 8,658	2,503		õ		0
	#2 #2	0.0	4,130	2,403		v 0	۰	ĥ
aintenance of Concrete Bridge (Exist)	M.C.	V.V	1,150	1,103		<b>v</b> .		
	·				*******	- <b>*-***</b> **		
			Earthwork &			(Rp/K		4,076,4
			Tinber		Unit Cost	(Rp/m		
			Concrete		Unit Cost	(Rp/m		
			Survived	Yalue		{Rp		1,961,1
			Maintenance		ut Bridge	(1)		10.5
			Hew Bridge	Cost Rate		(7.)	1	

Appendix A-4

Paint

Reinforcing Steel

Equivalent Royalty

Tying Wire

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

I T E N	UNIT	< 1988 >	< 1989 >	< 1990 >	( 1991 )	< 1992 >	( TOTAL
			<u> </u>				
UIPHENT :	· .				1997) 1997 - 1997 1997 - 1997	·*	
Bulldozer/Ripper	hr	431.4	731.4	1166.9	1764.0	1322.9	5416.0
Swaap Bulldozer	hr	0.0	0.0	0.0	0.0	51.9	
Hotor Grader	hr	1046.2	2009.9	3026.5	4070 B	3105.8	13279.3
Hand-guide Vib. Roller	hr	15.4		121.8		36.6	792.3
Tire Roller	hr	870.8	1775.4	1362.0		1399.9	6552.
Vibratory Roller (D&T)	hr	724.1	1370.4		2698.4	2099.4	8912.
Hydraulic Excavator; Wheel	hr	0.0	0.0		0.0	787.5	787.
Wheel Loader	hr	1346.6	2929.7	4101.1	5226.3	3999.1	17602.
Kater Tank Truck	hr	404.6	901.2	1225.3	1465.1	1135.6	5131.
Dump Truck	hr	9773.6	21337.0	30364.4	38411.0		128952.
Flat Bed Truck with Crane	hr	0.0	147.0	75.7	46.5	8.0	279.
Flat Bed Truck	hr	1045.0	2184.2	1670.8	1391.3	1602.8	7974.
Portable Crusher/Screening	hr	353.7	864.0	1105.6	1282.8	983.8	4589.
Concrete Mixer	hr	0.0	1.3	16. L	12.8	1.7	31.
Kater Pump	hr	0.0	1.3	13.6	11.5	17	28.
Concrete Vibrator	hr	0.0	1.3	8.5	9.0	1.7	20.
Asphalt Sprayer	hr	870.8	1775.4	1362.0	1144.3	1399.9	6552.
BOUR :			· .				· · ·
<b>.</b> .		1.01.4	1370 3		2308.7	1769.1	8518.
Handur	wan day	671.4	1730.7			865.7	5849.
Skilled Labourer	nan day			1112.9	3.0	0.5	3097. 822.
Carpenter	ean day		682.8 0.0	136.5 12.8	6.4	0.0	19.
Nason Labourer	nan day	0.0		20741.7		15217.9	
Driver	nan day nan day	2010 7	107JU.7	5955.8	7777.9	5661.6	
Operator	nan day nan day	6803.7 2060.7 1143.6	2341.3	3168.1	4053.1	3326.0	14032.
TERIAL :			н. Н				
· · ·		•	· ·				a di a
Bitumen	- 1	178659.8	363960.4	297452.0	256820.6	287267.7	1384160.
Asphalt Oil	Ì	35704.L	72792.0	52112.0	43099.9	57400.0	261108.
Kerosene	s 1 <b>1</b>	42686.2	86995,4	66291.0	56010.5	68629.6	320612.
Sand	#3	525.0	1071.9	795.9	730.1	953.3	3976.
Cement	bag	0.0	20.0	129.8	134.9	25.0	309.
River Stone	n3	0.0	0.0	12.8	6.4	0.0	19.
Steel Houlds Tisber	set n3	0.0	8.0 62.0	50.0 12.1	53.0 0.0	10.0 0.0	121. 74.

6-A-54

433.5

255.2

2.3

40600.3

0.0

0.0

0.0

17262.3

1.

kg

kg

**a**3

0.0

1690.7

15.3

64731.8

0.0

319.0

2.9

50443.9

529.3

3859.9

227743.2

35,0

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95.8

1595.0

54704.9

14.5

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

PROV : SUMATER	A SELAT	FAN	KAB :	BANGKA	) Alexandria Alexandria		•
ITEN	UNIT	< 1988 >	< 1909 >	< 1990 >	( 1991 )	< 1992 >	< TOTAL >
VIPHENT :							× .
Bulldozer/Ripper	hr	0.0	0.0		0.0	0.0	0.0
Swaap Bulldozer	hr	0.0	0.0		0.0	.0.0	0.0
Notor Brader	hr	481.5	.991.0	1014.7	1175.8	1413.9	
Hand-guide Vib. Roller	hr	1552.5	3450.0	3712.5	4275.0	4545.0	17535.0
Tire Roller	hr	481.5	981.0	1014.7	1175.8	1413.9	5066.9
Vibratory Roller (D&I)	hr	0.0	0.0	0.0	0.0	0.0	0.0
Hydraulic Excavator; Wheel	hr	0.0	0.0	0.0	0.0	0.0	0.0
Nheel Loader	hr	265.4	564.2		697.1	802.4	2925.6
Nater Tank Truck	hr	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	hr	4695.4	10280.2	10998.8	12727.0	13897.3	52590.7
Flat Bed Truck with Crane	hr	1810.8	3970.6	4464.7	5959.4	8010.9	24216.4
Flat Bed Truck	hr	3032.3	6406.9	6740.6	7781.6	8870.8	32832.2
Portable Crusher/Screening	hr		288.7	305.3		409.9	1476.3
Concrete Nixer	hr	2.4	5.7	5.7	6.6	7.5	27.9
Water Pump	hr	2.4	5.7	5.7	6.6	7.5	27.9
Concrete Vibrator	hr	2.4	5.7	5.7	6.6		27.9
Asphalt Sprayer	hr	0.0	0.0	0.0	0.0	0.0	0.0
BOUR :							
Handur	man day	1537.9	3313.2	3530.4	4110.3	4605.9	17097.7
Skilled Labourer	nan day	1363.6	2994.3	3305.3	4084 I	4734.5	16491.9
Carpenter	wan day	174.7	368.9	442.0	658.2	910.2	2554.0
Nason	nan day	0.0	0.0	0.0	0.0	0.0	0.0
Labourer	san day	18132.6	39087.3	41542.1	48026.4	53381.6	200170.0
Driver	ean day	1666.4	3610.0	3870.9	4671.7	5482.7	19321.7
Operator	nan day	250.7	519.2	541.4	629,4	744.3	2685.0
IERIAL :							
Bitusen	1	13972.5	31050.0	33412.5	38475.0	40905.0	157815.0
Asphalt Oil	ł	0.0	0.0	0.0	0.0	0.0	0.0
Kerosene	1	1552.5	3450.0	3712.5	4275.0	4545.0	17535.0
Sand	#3	261.1	580.7	624.4	719.1	765.0	2950.3
Cenent	bag	35.6	83.4	83.7	96,8	109.0	409.3
River Stone	e.Ĵ	0.0	0.0	0.0	0.0	0.0	0.0
Steel Houlds	set	0.0	¥ 0.0	0.0	0.0	0.0	0.0
linber	<b>B</b> 3	15.7	33.0	39.7	59.3	02.2	229.9
Paint	1	109.1	229.4	276.6	415,1	576.9	1607.1
Reinforcing Steel	kg	193.0	428.9	430.1	497.9	564.7	2104.6
Tying Wire	kg	1.6	3.0	3.9	4.5	5.1	18.9
Equivalent Royalty	Са	3759.2	7989.5	8446.9	9872.7	11361.5	41429.8

6-A-55

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

PROV : SUMATER	A SELA	TAN	KAB :	BANGKA	1 .	·	÷
ITEM	UNIT	< 1989 >		< 1990 >	< 1991 >	< 1992 >	< TOTAL >
UTPHENT :							
BILITERI F						· .	
Bulldozer/Ripper	hr	431.4	731.4	1166.9	1764.0	1322.9	5416.6
Swamp Bulldozer	hr	0.0	0.0	0.0	0.0	51.9	51.9
Hotor Grader	hr	1527.7	2990.9	4041.2	5766.6	4519.7	18346.1
Hand-guide Vib. Roller	hr	1567.9	3610.0	3834.3	4733.5	4501.8	18327.3
Tire Roller	hr	1352.3	2756.4	2376.7	2320.1	2813.8	11619.3
Vibratory Roller (D&T)	hr	724.1	1370.4	2019.8	2698.4	2099.4	8912.1
Hydraulic Excavator; Wheel	hr	0.0	0.0	0.0	0.0	787.5	787.5
Wheel Loader	hr	1612.0	3493 9	4697.6	5923.4	4801.5	20528.4
Water Tank Truck	hr	404.6	901.2	1225.3	1465.1		5131.8
Dump Truck	hr	14469.0	31617.2	41363.2	51138.0	42964.2	181551.6
Flat Bed Truck with Crane	hr	1810.0	4119.6	4540.4	6005.9	B018.9	24495.6
Flat Bed Iruck	hr	4077.3	8591.1	8411.4	9172.9	10553.6	40806.3
Portable Crusher/Screening	hr	489.3	1152.7	1410.7	1639.6	1393.7	6086.2
Concrete Hixer	hr	2.4	7.0	21.8	19.4	9.2	
Water Puop	hr	2.4	7.0	19.3	18.1	9.2	56.0
Concrete Vibrator	hr	2.4	7.0	14.2	15.6	9.2	
Asphalt Sprayer	hr	, 870.8	1775.4	1362.0	1144.3	1399.9	6552.4
BOUR :			,				
Mandur	man day	2229.3	5043.9	5548.5	6419.0	6375.0	25615.7
Skilled Labourer	wan day		5334.0	4418.2	5081.0	5601.2	22331.6
Carpenter	nan day	174.7	1051.7	579.5	661.2	910.7	3376.8
Nason	gan day	0.0	0.0	12.8	6.4	0.0	19.2
Labourer	ean day	24936.3	56038.2	62283.8	69816.2	68599.5	281674.0
Driver	wan day	3727.1	8155.0	9846.7	11905.5	11144.3	44778.6
Operator	san day	1394.3	2860.5	3709.5	4682.5	4070.3	16717.1
TERTAL :	,						
Bituaen	1	192632.3	395010.4	330864.5	295295.6	328172.7	1541975.5
Asphalt Oil		35704.1	72792.0	52112.0	43099.9	57400.0	261108.0
Kerosene	1	44238.7	90445.4	70003.5	60285.5	73174.6	338147.7
Sand	#3	786,1	1652.6	1420.3	1449.2	1618.3	6926.5
Cement	bag	35.6	103.4	213.5	231.7	134.8	719.0
River Stone	a3	0.0	0.0	12.9	6.4	0.0	19.2
Steel Koulds	set	0.0	8.0	50.0	53.0	10.0	121.0
Tinber	£3	15.7	95.0	51.8	59.3	82.2	304.0
Paint	1	107.1	662.9	372.4	415.1	576.9	2136.4
Reinforcing Steel	kg	183.0	684. j	2025.1	2188.6	883.7	5964.5
Tying Hire		1.6	6.1	10.4	19.B	8.0	53.9
Equivalent Royalty	aĴ	21021.5	40509.8	63151.0	74604.5	61805.4	269173.0

# Appendix A-5

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

PROV : SUMATERA	₩₽L916.1711		r (f 14, y - 4	BANGKA			1 1000 Rp 1
1 T E H				< 1990 >			( TOTAL )
EQUIPHENT :		130,581	279,656	375,816	470,139	376,069	1,632,261
Bulldozer/Ripper	15621	6,739	11,425	18,228	27,555	20,665	04,611
Swamp Bulldozer	11524	0	0	0	0	598	598
Hotor Grader	13336	13,952	26,804	40,361	54,554	41,418	177,089
Hand-guide Vib. Roller		23	242	184	695	55	1,199
Tire Roller	10648	9,270	18,900	14,499	12,182	14,903	69,754
Vibratory Roller (D&T)	6653	4.R17	9,117	13,437	17,952	13,967	59,290
Hydraulic Excavator; Wheel	12517	0	0	13,437 0	0	9,857	9,857
Wheel Loader	16468	22,175	48,246	67,536	86,066	65,857	289,880
Hater Tank Truck	3864	1,563	3,482	4,734	5,661		
Dump Truck	5280	51,604	112,659	160,324	202,810		
Flat Bed Truck with Crane	4956		738	375	230		1,382
Flat Ded Truck				5,470			
Portable Crusher/Screening					55.514	42.574	
Concrete Nixer	8457	0	10	136	108	14	272
Nater Pump	467	0	0	6	5	0	. 11
Concrete Vibrator	308	. Ö	0	2	5 2	0	4
Asphalt Sprayer	1967	1,712	3,492	2,679	2,250	2,753	12,886
ABOUR		29,031	73,985	85,258	94,612	70,556	353,442
Handur	3000	2,074	5,192	6,054	6,926	5,307	
Skilled Labourer	2750	1,465	6,436	3,060	2,741	2,383	16,085 2,877
Carpenter	3500	0 0	2,389	. 4//	. 10	<b>1</b>	
Mason	3500				22	0	60
Labourer	2250			46,668			183,38
Driver	3000	6,182	13,635	17,867	21,701	16,984	76,36
Operator	3500	4,002	8,194	11,088	14,185	11,641	49,110
IATERIAL :		100,955	218,309	169,989	147,077	167,356	803,680
Bituaen	300	53,597	109,188	89,235	77,045	86,180	415,24
Asphalt Oil	850	30,348	61,873	44,295	36,634	48,790	221,94
Kerosene	250	10,671	21,748	16,572	14,002	17,157	80,150
Sand	5500	2,887	5,895	4,377	4,015	4,693	21,86
Cerent	4800	. 0	98	623	647	120	1,48
River Stone	7500	0	0	96	48	0	14
Steel Houlds	7000	0	56	350	371	70	84
t i nber	155000	0	9,610	L,875	0	0	11,40
Paint	3500	0	1,517	335	• 0	0	1,85
Reinforcing Steel	800	0	204	1,276	1,352	255	3,08
Tying Wire	1100	0	2	15	16	3	
Equivalent Royalty	200	3,452	8,120	10,940	12,946	10,088	45,54

6-A-57

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

	****		******	****		***	( 1000 Rp )
ITEN	UNIT	< 1988 >	< 1989 >	< 1990 >	< 1991 >	< 1992 >	< TOTAL >
DUIPHENT :		67,951	145,523	155,316	183,864	213,937	766,491
Bulldozer/Ripper	15621	. 0	0	0	0	• · <b>0</b>	0
Swamp Bulldozer	11524		· O	۵.	. 0	·· 0	0
Notor Grader	13336	6,421	13,082	13,532	15,680	10,855	67,570
Hand-quide Vib. Roller	1516	2,353	13,082 5,230 10,443 0	5,628	6,480	6,890	26,581
Tire Roller	10646	5,126	10,443	10,802	12,517	15,052	53,940
Vibratory Roller (D&T)	6653	0	0	0	J ()	0	0
Hydraulic Excavator; Wheel	12517	0	0 -	0	0	<b>0</b>	0
Wheel Loader	16468	4,370	9,291	9,823	11,479	13,213	48,176
Nater Tank Truck	3864	0	0	0	0	0	0
Dusp Truck	5280	24,791	54,279	58,073	67,198	73,377	277,718
Flat Bed Truck with Crane	4956		19,678		29,534	39,702	120,015
Flat Bed Truck	3274	9,927	20,975	22,068	25,476	29,042	107,489
Portable Crusher/Screening	43276	5,869	12,493	13,212	15,440	17,738	64,751
Concrete Mixer	8457	20	48	48	55	63	234
Water Pump	467	1	2		3	3	11
Concrete Vibrator	308	0	1	2 1	2	2	6
Asphalt Sprayer	1967	. 0	. 0	0	0	· · · 0	0
ABOUR :		55,647	120,057	128,262	150,140	169,182	623,288
Handur	3000	4,613	9,939 8,234 1,291	10,591	12,330	13,817	51,290
Skilled Labourer	2750	3,749	8,234	9,089	11,231	13,019	45,322
Carpenter	3500	611	1,291	1,547	2,303	3,185	8,937
Mason	3500	0	0.	0	. 0	0	· 0
Labourer	2250	40,798	87,946	93,469	108,059	120,108	450,380
Driver	3000	4,999	10,930	11,672	14,015	15,448	57,964
Operator	3500	877	1,817	1,894	2,202	2,605	9,395
ATERIAL :		9,897	21,631	23,944	30,048	35,629	121,149
Bitumen	300	4,191	9,315	10,023	11,542	12,271	47,342
Asphalt Oil	850	· 0 ·	0	0	0	0	0
Kerosene	250	388	862	928	1,068	1,136	4,382
Sand	5500	1,436	3,193	3,434	3,955	4,207	16,225
Cenent	4800	170	400	401	464	527	1,962
River Stone	7500	0	0	0	0	÷ 0	Q
Steel Houlds	7000	0	0	Q	· 0	. 0	. 0
Tinber	155000	2,433	5,115	6,153	9,191	12,741	35,633
Paint	3500	381	802	960	1,452	2,019	5,622
Reinforcing Steel	800	146	343	344	398	451	1,682
Tying Nire	1100	1	4	4	4	- 5	18
Equivalent Royalty	200	751	1,597	1,689	1,974	2,272	8,283

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

	ته کار می کند است (بی دی) کند ا						( 1000 Rp
ITEN	UNIT	< 1988 >	( 1989 )	< 1790 >	< 1991 >	< 1992 >	< TOTAL
DUIPNENT :		198,432	425,179	531,132	654,003	590,006	2,398,752
Bulldozer/Ripper	15621	6,730	11,425	18,228	27,555	20,465	84,611
Swamp Bulldozer	11524	. 0		. 0	0	578	598
Hotor Grader	13336	20,373	39,886		70.234		
Hand-guide Vib. Roller	1516		5,472				
Tire Roller	10646		29,343			29,955	
Vibratory Roller (D&T)	6653	4,817		13,437			
Hydraulic Excavator; Wheel	12517		0	. 0	0	9,857	9,857
Wheel Loader	16468	26.545	57.537	77,359	97,545	79.070	338.05/
Water Tank Truck	3864	1,563	0 57,537 3,482	4,734	5,661	4.397	19.827
Dump Truck	5280	76,395	166,938	218,397	270,008	228,850	958,580
Flat Bed Truck with Crane		8,974	20,416	22.502	29.764	39.741	121,39
Flat Bed Truck		13,349	28,127	27.538	30,031	34.551	133,59
Portable Crusher/Screening			49,883				
Concrete Nixer	8457	20	58	184	163		502
Hater Pump	467	1	2	8	8	3	22
Concrete Vibrator	308	0		3	4	2	
Asphalt Sprayer			3,492				
BOUR :		84,678	194,042	213,520	244,752	239,738	976,730
Handur	3000	6,687	15,131	16,645	19,256	19,124	76,84
Skilled Labourer	2750	5,214	14,670	12,149	13,972	15,402	61,407
Carpenter	3500	611	3,680	2,024	2,313		11,81
Nason	3500	0	0	44	22		61
Labourer	2250	56,106	126,085	140,137	157,086	151,348	633,76
Driver	3000		24,465				
Operator	3500	4,879	10,011	12,982	16,387	14,246	58,50
ITERIAL :		110,852	239,940	193,933	177,125	202,985	924,83
Bitunen	300	57,788	118,503	99,258	88,588	78,451	462,58
Asphalt Dil	850	30,348	61,873	44,295	36,634	48,790	221,94
Kerosene	250	11,059	22,610	17,500	15,070		84,53
Sand	5500	4,323	9,088	7,811	7,970	8,900	38,09
Ceaent	4800	170	496	1,024	1,111	647	3,44
River Stone	7500	0	0	96	48	0	14
Steel Houlds	7000	0	56	350	371	70	84)
Tinber	155000	2,433	14,725	8,028	9,191	12,741	47,118
Paint	3500	381	2,319	1,303	1,452	2,019	7,47
Reinforcing Steel	800	146	547	1,620	1,750	706	4,76
Tying Wire	1100	L	6	19	20	8	5
Equivalent Royalty	200	4,203	9,717	12,629	14,920	12,360	53,82

# Appendix A-6

	FR	OV	1	. S	UMATERA	SELF				i Bi		1		а 1. с		
INK NO	BRIDGE			From	<< TYPE > {EXIST}- (NE	n inai	IN SPAN	LENGTH	SPAN No	SPAN LENGTH	WIDTH	AREA (EXIST)	(NEN)		ABUT	CLASS
								(a)	(no)	(a)	(a)	(#2)	(#2)	(60)	(no)	
17	N. T			KPSR	KK			6.00			6.00	36.00		1	2	1119-2
	N.I			KPSR	KK			3.00	· 1	3.00	5,00	15.00		0	2	
	N. 1		8	KPSR	KÐ			2.00	1	2.00	5,00	10.00		Q	2	
	N, I			 K08A	KK			7.00		7.00	4.50	31.50		0	2	1110-1
11	Na Li		-	KODA	KK			7.00	-		4.50	31.50		i	2	
	N.I			KOBA	KK			13.00	ļ		4.50	58.50		3	-	
	-N.I			KOBA	KK			7.00	2		4.50	31.50		1	2	
	N, L			KOBA	KK			10.00	Ĵ		4.50	45.00		2	2	
	N.I			KOBA	KK			7.00			4.50	31.50	-	i	2	
	N.I			KOBA	KK			13.00	5		4.50	58.50		- i	2	
	N.I			KOBA	KK			20.00	5		4.50	90.00		4	2	
	N.1			KOBA	KK			5.00		2.50	4.50	22.50		i	2	
	N. I			KOBA	KK			B.00	2		4.50	36.00		i	2	
	N. I			KOBA	KK			16.00	5		4.50	72.00		4	2	
	N. I			KOBA	KK			4.00	1		4.50	18.00		0	2	
	N. I			KOBA	KK			12.00	4		4.50	54.00		. 3	2	
	N.I			KOBA	KK			6.00	-	6.00		27.00		. 0	2	
	N.I			KOSA	KX			5.00			4.50	22.50		0	2	
	N.1			KOBA	KK			9,00		3.00	4.50	40.50		2	. 2	
	N.I			KOBA	KK			7.00		3,50	4.50			1	2	
	N, I			KOBA	KK			13.00		2.60	4.50			4	2	
				JHAR	 KK			5.00		5.00	4.50	22.50		0	·	3111
82	N. I N. I			JHAR JHAR	KK			9.00	-	3.00	4.50			2		1110
				JHAR -	KK			6.00		6.00	4.50			ō	-	
	N.I		9		KK			5.00		5.00	4.50			Ŏ	. –	
	N. I			JHAR		M 10	r (n)	20.00		5.67		90.00		-		
	H. I			JHAR	KK	n 10	1 191	8,00				36.00	00100	Ō		
	n. 1 N. 1			JHAR	кк КК			6.00		6.00		27.00		.Ŏ		. • .
 98	 ж. I		 7	SHIR	 КК	******		30.00	i0	3.00		180.00		 9	 2	1116
70	N. I		4	SHIR	KK			33,00	10	3,30		198.00				
102	 N. I			SKAL	T		r (B)	4.00		4.00	4.00	0.00	16.00	. 0	2	1118-
-	N. I			SKAL	KK			8.00		4.00		64.00		1		
	N. I			SKAL	X8			2.00			9.00	18.00		0		
					KB			2.00						0		
	N. I		13	SKAL	KK			10.00		F 88	8.00	18.00 80.00		ł	2	
				KNDT	KK			65.00		4.06	E 00	TOE 60			 7	

SUMATERA SELATAN

KAB : BANGKA

INK B No	RIDGE NANE	Kn	From	<< TYP (EXIST)	E >> (HEN)	DESIGN Load	SPAN Class	LENGTH (B)	HO	SPAN LENGTH (#)	NIDTH (a)	(EXIST)	AREA (NEW) (#2)		ABUT (no)	RDAD Class
46 A	IR SENGKENG 1	3	TTRN	KB				5.00	 J	5.00		25.00		. 0		
A	TR SENGKENG 2		TIRN	KB				5.00	i	5.00	5.00			0	2	1118-1
N	.1	4	TIRM	KB		· .		7.00	i	7.00	5.00			Ő	2	
К	.1	8	TIRN	KB				4.00	i	4.00	5.00	20.00		Ő	2	
N	<b>.1</b>	8	TIRN	KB				4.00	. i	1.00	5.00	20.00		ŏ	2	
X	ANUNGGAL I	9	TIRN	KB				4.00	i	4.00	5.00	20.00		ŏ	ź	
M	ANUNGGAL 2	9	TIRN	KB				6.00	- i	6.00	5.00	30,00		ŏ	2	
H	ANUNGGAL 3	9	TIRM	KB				4.00	i	4.00	5.00	20.00		ŏ	2	
N	.1	11	TIRM	KB				4.00	i	4.00	5,00	20.00		Ō	2	
N	.1	12	TIRN	KB				6.00	1	6.00	5.00			Ő	2	
N	.1		TIRN	KB				4.00	ł	4.00	5.00	20.00		0	2	
	.1		SULI	KK				5,00	2	2.50	5.00	25.00		1	2	1118-2
	.1		SULI	KK				10.00	3	3.33	5.00	50.00		2	2	
	.1		SUL I	KK				2.00	i	2.00	4.00	B.00		0	2	
	.1		SULI	KK				2.00	1	2.00	4.00	8.00		0	2	
	.1		SULI	KK				3.00	1	3.00	5.00	15.00		0	2	
	.1		SULI	KK				2.00	i	2.00	5.00	10.00		0	2	
	EBET KALOK		SULT	KK				2.00	1	2.00	5.00	10.00		0	2	
~	.1		SULI	KK				2.00	1	2.00	5.00	10.00		0	2	
	<b>.1</b>		SULI	KK				2.00	1	2.00	5.00	10.00		0	2	
	EBET		SULI	KK				5.00	2	2.50	5.00	25.00		1	2	
	.1		SULI	KØ				3.00	1	3.00	5,00	15,00		• • •	2	
	,1		SULI	XB				3.00	1	3.00	5.00	15.00		0	2	
	.1		SUL I	KB				2.00	1	2.00	5.00			0	2	
	1		SULT	KB				4.00	Ţ	4.00	6.00	24.00		0	2	
	AYANG		SUL 1	KK				22.00	2	11.00	6.00			i	2	
	.1		SULI	K8				2.00	1	2.00	5.00	10.00		0	2	
	.]		SULI	K9				3.00	1	3.00	5.00	15.00		0	2	
	ABAT .		SULI	KB				12.00	I	12.00	6.00	72.00		0	2	
	•I		SULI	KB				3.00	1	3.00	5.00	15.00		0	2	
	.1		SULI	K8				2.00	Į.	2.00	5.00	10.00		0	2	
	.I .I		SUL I SUL I	KB KD				12.00 2.00	3	4.00 2.00	5.00 5.00			2· 0	2 2	
73 H.	 1	 \$	TLLH	XX		· · · · · · · · ·		8.00	 1	8.00		32,00	**	. 0	 7	1118-
	.1		TELN	KK				8.00	í	B.00	4.00			0	2	1110-
	.1		TELN	XK				5.00	i	5.00	4.00			Ō	2	
	.1		TLLN	KK				9.00	1	9.00		36.00		0	2	
74 A	IR PALANAN I	i	PL NN	 KK				6.00	 1	6.00	5.00	30,00		0	<b>-</b> - 2	 1110-
	.1		PL WN	KK				6.00	1	6.00	5.00	30.00		Ő	2	
	, I		PLKX	KK				5.00	I.	6.00	5,00	30,00		Ō	2	
	E.		PLWN	KK				6.00	I.	6.00	5.00	30.00		Ó	2	
	.1		PLWN	KK				7.00	1	7.00	5.00	35.00		0	2	
	.t -		PLWN	KK				7.00	Ľ.	7.00	5.00			0	2	
	.1		PLWN	KK		•		5,00	1	5.00	4.00	20.00		0	2	
77 N.	.1	í	KPSR	KB				20.00	1	20.00		100.00		0	2	
N.	I.	1	KPSR	KB				2.00	1	2.00		10:00		0	2	
Н.	.1	2	KPSR	KB				2.00	i	2.00	5.00	10.00		0	2	

FROV

: SUMATERA SELATAN

BANGKA КАВ 🚦

. ENK Nd	BRIDGE NANE	Ka	From	(EXIST)			LENGTH (a)		SPAN LENGTH (#)		AREA (EXIST) (02)	(REM)	PIER (no)		ROAD Class
	N. I	 77	PYNG	 K9		 	2.00	1	2.00		10.00		 0	2	1118-
37	8.1		PYNG	KB			2,00	1	2.00	. 5.00	10.00		0	2	
38		2	SRN	K8	*****	 	2.00	1	2.00	5.00	10.00		0	2	1118-1
	N. I	6	SRM	KØ			2.00	i	2.00	5.00	10.00		0	2	
	N. I	7	SRN	KB			2.00	1	2.00	5.00	10.00		0	. 2	
	N. 1	П	SRM	KB			4.00	1	4.00	5.00	20.00		0	2	
	N. 1	- 14	SRM	KB			3.50	1	3.50	5.00	17.50		0	2	
	N.I	17	SRM	KB			3.50	1	3.50	5.00	17.50		) Q	2	
	N.I	18	SRH	KB			3.50	1	3.50	5.00	17.50		0	2	
	N.1	18	SRM	KB		 	2.00	1	2.00	5.00	10.00		0	2	
39	NENGGRIS	5	BDXG	ΧB			3.00	1	3.00		18.00		0	2	1118-
	RATU	7	BDNG	KB			11.50	1	11.50	6.90	79.35		0	2	
	HENBAYAH	0	BONG	KB.			2.00	i	2.00	6.00	12.00		0	2	
	PLESET	8	BDNG	XB			2.00	1	2.00	6.00	12.00		0	2	
	PAYUNG	14	BDNG	K8		 	3.00	1	3,00	6.00	19.00		0	2	
41	AIR BEGAS	2	ARGG	KB		 	2.00	1	2.00	6.00	12.00		0	2	-8111
	ATONG	7	ARGS	K8			2.00	1	2.00	6.00	12.00		0	2	
	GERTAK	8	ARGG	68			8.00	i	8.00	4.20	33.60		0	2	
	LABANTAN	14	ARGS	K8			4.80	1	4.80	6.00	28.80	•	0	2	
	NYELANDING	-14	ARGG	KB			4.70	<b>1</b>	4.70	6.00	28.20		. 0	2	
	DEKAT		ARGS	68			9.00	1	9.00	4.20	37.80		0	- 2	
	BEDENGUNG	4 	AR66	КВ		 	5.00	ا 	5.00	6,00			0	2	
44	H. I		TBAL	ĸĸ			6.00	I	6.00	5.00	30.00		0	2	1118-
	R. I		TBAL	KK			5.00	i	5.00	5.00	25.00		0	2	
	H.1	3	18AL	KK			7.00	2	3.50	5.00			l	2	
	N.1	4	TBAL	KK			5.00	1	5.00	5.00			Q	2	
	N.1	4	TBAL	KK			6.00	i	6.00	5.00	30.00		0	2	
	N. I	5	TBÁL	KK			4.00	1	4.00	5.00	20.00		Ø	2	
	H. I	5	TBAL	. KK			4.00	ł	4.00	5.00	20.00		0	2	
	N.1	6	TBAL	KK			5.00	1	5.00	5.00	25.00		0	. 2	
	N.I .	8	TBAL	KK			4.00	1	4.00	5.00	20.00		Û	2	
	N.I	9	TØAL	KK			4.00	1	4.00	5.00	20.00		0	2	
	N. I	9	TBAL	KK			5.00	1	5.00	5,00	25.00		0	2	
	H.]	.9	TBAL	KK			5.00	1	5.00	5.00	25.00		0	2	
	H. I	10		KK			5.00	l	5.00				0	2	
	H.1		TBAL	KK			6.00	I	6,00	5.00	30.00		Û	2	
	N. I N. J		TBAL TBAL	KK KK			5.00 5.00	- 1	5.00 5.00	5.00 5.00	25.00 25.00		0	2	
45	*******					 								******	
л'n	TENAYANG RIAS I		TØLI Tøli	K8 K8			3.20	2	1.60	4.20	13,44		1	2	1118-
	RIAS II		TBLI	KK VV			2.00	1	2.00	4.00	8.00	÷	0	2	
	NENGKUBANG		TBLI	KK	:		3,50	1	3.50	4.00	14.00		0	2	
	PUXPUNG		TBLI	KB CQ			2.50	1	2.50	4.20	10.50		0	2	
	RIAS		TBLI	69 68			8.00 7.00	_1 1	8.00 7.00	4.20	33.60 29.40		0	2 2	
46 46	AIR TIRAN	 1	TIRX	KB	4	 	5.00		5.00			**-****	0		[]]B·

Kab : Bangka

NO		Ka	From	( TYPE )) (Exist) (New)	LOAD	CLASS	. (p)		SPAN Length (@)	WIDTH (a)	AREA (EXIST) (#2)	AREA (NEH) (82)	PIER	(no)	ROAD Class
			*****	-	***		********					184)	1110/	1101	
11			KTWR	KK			3.00	1	3.00	4.00	12,00		0	2	1118-1
	N.1		KTWR	KK			4.00	1	4.00	4.50	16.00		0	2	
	N. 1		KIWR	KK			3.00	1	3.00	4.50	13.50		0	2	
	N.I		KINR	KB			4.00	1	4.00	5.00	20.00		0	2	
	N.I		KTNR	KB			6.00	1	6.00	5.00	30.00		0	2	
	N, I N T		KTWR	K8			12.00	3	4.00	5.00	40.00		2	2	
	N. I N. I		KTNR Ktwr	KB			6.00	1	6.00	5.00	30.00		0	2	
	N. 1		KTHR	KB			5.00	1	5.00	5.00	25.00		Q	2	
	AIR PUDING	24	KT₩R	KB K8			5.00 5.00	1	5.00 5.00	5.00 5.00	25.00 25.00		0 0	2 2	
16	N. I		SPJR	KB		<b>u</b>	7.00	1	7.00	6.00	42.00			·2	 111A
	N. I		SPJR	KB			4.00	i	4.00	6.00	24,00		ŏ	2	1110
	H. I	5	SPJR	KÐ			4.00	i	4.00	6.00	24.00		0 0	2	
	N.I	9	SPJR	KB .			4.00	1	4.00	6.00	24.00		0	2	
	H'I	10	SPJR	KB			5.00	1	5.00	6.00	30.00		0	2	
	N. I	10	SPJR	KÐ			5.00	1	5.00	5.00	30.00		0	2	
	N.1		SPJR	KB			4.00	<b>1</b>	4.00	6.00	24.00		0	2	
	N.1	10	SPJR	KB			4.00	}	4.00	6.00	24.00		0	2	
20	N.I		TRBK	KK			12.50	4	3.13	5.00	62.50		3	2	IIIC
	N.I		TRBK	KK			5.50	2	2.75	5.00	27.50		i	2	
	N. I	/	TRBK	KK .			3.00	1	3.00	5.00	15.00	******	0 	2	
24	N.I		PL6S	KB			3.00	1	-	5.00	15.00		0	2	[]]8-3
	N. I		PLGS	KB			2.00	1	2.00	4.00	8.00		Q	2	
	N.I		PLGS	. K8			2.00	1	2.00	5.00	10.00		0	2	
	N.I		PLGS	KB			2.00	l	2.00	5.00	10.00		0	2	
	N.T		PL6S PL6S	KB K9			2.00	1	2.00 2.00	5.00 5.00	10.00 10.00	·	0 0	2 2	
32	AIR KEBINTI 1		SPSP				9.00		9.00	6.00	54.00			2	111B-
	AIR KEDINTI 2		SPSP	ίι.			13.00	1	13.00	6.00	78.00		ŏ	2	1110
	AIR KEBINTI 3		SPSP	KB			7.00	i	7.00	6.00	42.00		Ō	2	
	AIR PANSKOL		SPSP	KB			9.00	1		5.00	45.00		0	2	
36	N. I	3	TJBK	KK			13.00	3	4,33	4.50	58.50		2	2	IIIB-:
	N.I	8	TJBK	KÐ			4.00	1	4.00	6.00	24.00		0	2	
	N. T		TJBK	KB			4.00	1	4.00	6.00	24.00		0	2	
	N. I		TJBK	KB			4.00	1	4.00	6.00	24.00		0	2	
	N. I		TJBK	ĸĸ			13.00	3	4.33	4.50	58.50		2	2	
	H. I		TJBK	KK			13.00	5	2.60	4.50	58,50		4	2	
	N.I		TJØK	KK			4.00	1	4.00	4,50	18.00		0	2	
	N, I	22	TJBK 	KK			4.00	1	4.00	4.50	18.00		0 	2	
37	NADUNG		PYNG	KB			2.00	1	2.00	5.00	10.00		0	2	[[]8-
	H.1 ·	6		KB			2.00	1	2.00	5.00	10.00		0	2	
	R. I		PYNG	K8 V 0			2.00	1	2.00	5.00	10.00		0 0	2	
	PETALING N.I		PYNG Pyng	<u>қ</u> в Кв			2.00 2.00	1	2.00 2.00	5.00 5.00	10.00 10.00		V A	2	
	nel	1.0	C 180	NU			£ • V V	1	L + VV	3.VV	14144		v	2	

PROV : SUM

: SUMATERA SELATAN

KAB : BANGKA

I N. I N. I N. I N. I N. I N. I N. I N.			i					CLASS	( <b>n</b> )		LENGTH ( n )	(a)	(EXIST) (#2)	(NEH) (n2)	(no)	(no)	CLASS
N. I N. I N. I N. I N. I N. I N. I N. I			-	PRIJ	 KK			14 BC P4 54 14 40 au	\$.00		6.00	5.00	30.00		0	2	11(8-2
N. I N. I N. I N. I N. I N. I N. I N. I			3	PRT3	KK				6.00	j	6.00	5.00	30.00		0	2	
N. I N. I N. I N. I N. I N. I N. I N. I	·			PRT3	KK				6.00	1	6.00	5.00	30.00		0	2	
N. I N. I N. I N. I N. I N. I N. I N. I			. 9	PR13	KK				15.00	. 4	3.75	5.00	75.00		- 3	2	
H. I N. I N. I N. I N. I H. I H. I H. I H. I H. I H. I H. I H			6	PRIJ	KK				6.00	1	6.00	5.00	30.00		0	2	
N. 1 N. 1 N. 1 N. 1 N. 1 N. 1 N. 1 N. 1			7	PRT3	KK				6.00	1	6.00	5.00	30.00		0	2	
N. 1 N. 1 N. 1 N. 1 N. 1 N. 1 N. 1 N. 1			7	PR13	. KK				6.00	1	6.00	5.00	30.00		0	2	
N. I N. I I N. I N.			8	PR13	KK				11.00	3	3.67	5.00	55.00		2	2	
H. H H. H H. I H. I H. I H. I H. I H. I			9	PRT3	KK				5.00	1	5.00	5.00	25.00		0	2	
N. I N. I N. I N. I N. I N. I N. I N. I			11	PRT3	KK		. 1		6.00	1	6.00	5.00	30.00		0	2	
H. I H. I H. I H. I H. I H. I H. I H. I			12	PRT3	KK				11.00	2	5.50	5.00	55.00		1	2	
N. I N. I N. I N. I N. I N. I N. I N. I			12	PRT3	KK				6,00	1	6.00	5.00	30.00		0	2	
N. I N. I N. I N. I N. I N. I N. I N. I			12	PRT3	KK				6,00	1	6.00	5.00	30.00		0	2	
N. 1 N. 1 N. 1 N. 1 N. 1 N. 1 N. 1 N. 1			13	PRIJ	KK				6.00	1	6.00	5.00	30.00		0	2	
N. I N. I N. I N. I N. I N. I N. I N. I				PRT3	KK				7.00	1	7.00	5.00	35.00		Û	2	
N. 1 N. 1 N. 1 N. 1 N. 1 N. 1 N. 1 N. 1			15	PRT3	KK				7.00	i	7,00	5,00	35.00		0	2	
N. 1 N. 1 N. 1 N. 1 N. 1 N. 1 N. 1 N. 1				PRI3	KK				6.00	1	8.00	5.00	30.00		0	2	
N. 1 N. 1 N. 1 S N. 1 N. 1 N. 1 N. 1 N. 1 N. 1 N. 1 N. 1				PRI3	, KK				6.00	1	6.00	5.00	30.00		0	2	
N. I N. I N. I N. I N. I N. I N. I N. I				PR13	KK				6.00	i	6.00	5.00	30.00		0	2	
N. 1 5 N. 1 N. 1 N. 1 N. 1 N. 1 N. 1 N. 1 N. 1				PRI3	KK				6.00	1		5.00	30.00		0	2	
5 N. 1 N. 1 N. 1 N. 1 N. 1 N. 1 N. 1 N. 1				PRT3	KK				20.00	5	4.00	5.00	100.00		4	2	
N. 1 N. 1 N. 1 N. 1 N. 1 N. 1 N. 1 N. 1			26	PRT3					16.00	2	8.00	5.00	80.00		} 	2	
N. 1 N. 1 N. 1 N. 1 N. 1 N. 1 N. 1 N. 1			1	PLNN	KK				10.00	. 2	5.00	5.00	50.00		i		1110
N. 1 N. 1 N. 1 N. 1 N. 1 N. 1 N. 1 N. 1				PLNN	KK				6.00	· 2	3.00	5.00	30.00		1	-	
N. 1 N. 1 N. 1 N. 1 N. 1 N. 1 N. 1 N. 1			1	PLWN	KK				6.00	1	6.00	5.00	30.00		0	2	
N. 1 H. 1 N. 1 N. 1 N. 1 N. 1 N. 1 N. 1 N. 1 N				PLNN	KK				10.00	2	5.00	5.00	50.00		1	2	
H. ] H. ] N. ] N. ] H. ] H. ] H. ] H. ] H. ] H. ] H. ]				PLWN	KK				9.00	2	4.00	5.00	40.00	•	1	2	
H. J N. I N. I N. I N. I N. I N. I N. I N. I				PLWN	KK				6.00	1	6.00	5.00	30,00		0	2	
N. I N. I N. I N. I N. I N. I N. I N. I	·			PLWN	KK				10.00	2	5.00	5.00	50,00		1	2	
N. 1 N. 1 N. 1 N. 1 N. 1 N. 1 N. 1 N. 1				PENN	XK				5.00	1	6.00	5.00	30,00		. 0	2	
N. I N. I N. I N. I N. I N. I N. I N. I				PLWH	KK				6.00	1	6.00	5.00	30.00		0	2	
N. I N. I N. I N. I N. I N. I N. I N. I			8	PLWH	KK				7.00	1	7.00	5.00	35.00		0	2	
H. I N. I N. I N. I N. I H. I N. I				PLNN	KK				7.00	1	7.00	5,00	35.00		0	2	
N. I N. I N. I N. I N. I N. I			8	PLYN	· KK				6.00	1	6.00	5.00	30.00		0	2	
N. I N. I N. I N. I N. I N. I N. I			9	PLWN	KK				6.00	1	6.00	5,00	30.00		0	2	
N. I N. I N. I N. I N. I N. I			9	PLWN	KK				6.00	1	6.00	5.00	30.00		0	2	
N. 1 N. 1 N. 1 N. 1 N. 1 N. 1			10	PLWH	KK				12.00	3	4.00	5.00	60.00		2	2	
N. I H. I H. I			13		KK.				10,00	2		5.00	50.00		1	2	
H.I H.I N.I				PLKN	KK				8.00	2	4.00	5.00	40.00		1	2	
N. I N. I				PLWN	ĸĸ				6.00	1	8.00	5.00	30.00		0	2	
N. I				PLWN	KK				15.00	3		5.00	75.00		2	2	
				PLWN	KK				7.00	ļ	7.00	5.00	35.00		0	2	
				PLNN Plnn	· KK				7.00 10.00	1 2	7.00 5.00	5.00 5.00	35.00 50.00		0 1	2 2	
		~	 1	KTNR	KK	 T¥			A===-//				****				****
				KTRA KTRA		ŤĦ	IOT	(8)	4.00	1	4.00	4,00		16,00	0	2	1118-1
	NYTIKO 4	1		KTHR	. KK	ĪK	107	101	5.00	2	2.50	4.50	22.50		1	2	
N.I	NYIUR 1 NYIUR 2			KTHR	KK KK	14	191	(8)	4.00	. 1	4,00	4.00	18.00	16.00	0	. 2	
N. I	NYIUR 1 NYIUR 2	2	7	ការដង	KK				6.00	2	3.00 4.50	4.50	27.00 20.25		1 0	2 2	

# CONSTRUCTION AND MAINTENANCE COST OF BRIDGES ON PROPOSED ROAD LINKS

	PRDV	Ŧ	ទបា	IATER	A SE	_ATAN	КАВ	5	BAN	эка		
	LINK NO	3	1	(111	B-2)		LENGTH	:	27 1	<m< th=""><th></th><th></th></m<>		
*****												( Rp )
1 T E H			*******		UNIT	QUANTITY	<<< UNIT LOCAL	FOREL	GN	<<<<< LOCAL	COSI Foreign	>>>>>> IOTAL
Superstein	icture (Timber)	50.20	3au 101	ł	-1	0.00	\$c (3)					
	cture (Timber)				M2	0.00	55,634	1,6		0	0	
	icture (Timber)				P2	0.00	61,623	5,1		0	0	4
Cunaretza	icture (Timber) icture (Timber)	Shan	Cajivi Tanur	ן או	82	0.00	91,622	6,7		0	. 0	I
	icture (limber) icture (limber)				∎2	0.00	68,984	5,7		0	0	(
	icture (Timber) icture (Timber)				s2	0.00	75,311	6,1 7,8	93	0	0	(
					#2	0.00	95,515	7,8	39	0	0	(
	icture (Concret				#2	0.00	59,900	. 9016	13	0	0	I
	icture (Concret				<b>#</b> 2	0.00	61,331	101,1		0	0	
	icture (Concrel				#2	0.00	63,036	110,1		. 0	0	
auperstru	icture (Concrel	e; 5p;	an sun ; B	H501	n2	0.00	68,850	125,0		Q	0	1
superstru	icture (Concret	.e; 5p	10124;8	K501	#2		73,924	147,1		0	0	I
	ure (Pier;for				NO	0.00	484,615	43,1	11	. 0	0	
	ure (Abut)for				NO	0.00	1,300,552	189,4		0	0	
	ure (Pier;for				NO	0.00	712,725	63,8	25	0	0	:
	ure (Abut;for				NO	0,00	1,472,611	212,4	26	0	Û	. 1
	ure (Pier;for				NO	0.00	1,882,835	472,5	99	0	0	
	ure (Abut;for				NO	0.00	3,892,798	991,4	43	. 0	0	
	on of Bridge ()				a2	0.00	15,295	1,7	28	0	0	
Demolitio	n of Bridge (	isber	->Conc	retel	¢2	0.00	15,295	1,7	28	0	0	ł
	n of Bridge ((				n2	0.00	92,556	70,5	95	0	. 0	
	ice of Timber A				#2	0.00	9,888	1,3	43	. 0	0	
Naintenan	ice of Concrete	e Brid	lge (Ne	к)	•2	0.00	2,081	2,8	05	0	0	
Haintenan	ice of Timber I	didge	e (Exis	Ð	a2	880.00	8,658	2,5	13	7,619,040	2,211,440	9,830,48
Naintenan	ice of Concrete	Brid	lge (Ex	ist)	a2	0.00	4,130	2,4	03	0	0	
	( Nithout	Overt	nead }		 Ti	DIAL COST	llinber Bridg					
							(Concrete Bri			Ū	0	
					Ţ	JTAL COST	(without Main		1	0	0	
	( Overhead	15			Ti	NTAL EOST	(Timber Bridg		******		0	
	1 DICINCOL				•		(Concrete Bri			ŏ	ů 0	
					71	TAL COST	(without Hain		1	ő	õ	

Appendix A-7

PROV : SUMATERA SELATAN KAB : BANGKA

LINK NO : 5 (IIIC)

LENGTH : 16 Km

(Rp)

					·	•	t np i
JTEX	UNIT	QUANTITY	<<< UNIT Local	COST >>> Foreign	//////////////////////////////////////		>>>>> Total
Superstructure (Timber;Span 3m;10T)	#2	0.00	55,634	1,625	. 0	0	
Superstructure (limber;Span 5#;101)	42		61,623	5,106	U	V	
Superstructure (Timber;Span 8m;101)	±2	0.00	81,622	6,704	0	V	
Superstructure (limber;Span 3m;BNSO)	#2	0.00	68,784	5,718	0	U	
Superstructure (limber;Span 5m;BHSO)	P2		75,311	6,193	0	U	
Superstructure (Timber;Span 8m;BN50)	#2		95,515	7,839	. 0	U	
Superstructure (Concrete;Span 3#;DH50)	#2		59,900	90,643	0	0	i
Superstructure (Concrete;Span 5a;BN50)	B2		61,331	101,196	. Q	0	
Superstructure (Concrete;Span 8#;BHSO)	#2		63,036	110,169	0	0	
Superstructure (Concrete;Span10m;BN50)	n2	0.00	68,850	125,030	0	Q	
Superstructure (Concrete;Span15ø;BH50)	#2	0.00	73,924	147,158	0	0	
Substructure (Pier;for Timber;101)	HO	0.00	484,615	43,111	0	0	
Substructure (Abut;for Timber;101)	NO	0.00	1,300,552	189,409	0	0	
Substructure (Piersfor Timbers8N50)	NO	0.00	712,725	63,825	0	0	
Substructure (Abut:for fimber;8NSO)	NO	0.00	1,472,611	212,426	0	0	
Substructure (Pier;for Concrete;8850)	DK	0.00	1,882,835	472,599	0	0	
Substructure (Abut;for Concrete;8NSO)	NO	0.00	3,892,798	991,443	· Q	.0	
Devolition of Bridge (Timber-)Timber)	62		15.295	1,728	0	, Ó	
Demolition of Bridge (Timber-)Concrete)	#2		15,295	1,728	- 0 .	0	
Demolition of Bridge (Concrete)	<b>m</b> 2		92,556	70,585	0	0	
laintenance of Timber Bridge (New)	e?	0.00	9,888	1,343	0	0	
laintenance of Concrete Bridge (New)	m2		2,081	2,805	. 0	0	÷
laintenance of Timber Bridge (Exist)	82	875.00	8,659	2,513	7,575,750	2,198,875	9,774,62
laintenance of Concrete Bridge (Exist)	B2		4,130	2,403	0	0	
					·		
( Without Overhead )	1	IUTAL COST	(limber Bride		. 0	. 0	
			(Concrete Bri		0	· U	
	]	IOTAL COST	(without Main	ntenance)		Ų	
( Overhead : 15% )	1	IOTAL COST	(Timber Bride		0	0	
			(Concrete Bri	idge]	0	0	
		1201	(without Main		'n	Û	

KAB : BANGKA

LINK NO : 11 (IIIB-1)

LENGTH : 25 Km

(Rp)

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ITEN	UNIT	QUANTITY	<<< UNIT LOCAL		///// Local	COST FORE IGN	>>>>>> Total
Superstructure (limber;Span 3m;101)	#2	0.00	55,634	4,625		. 0	۵
Superstructure (limber;Span 5m;10T)	62	32,00	61,623	5,106	1,971,936	163,392	2,135,328
Superstructure (limber;Span 8m;101)	#2	0.00	81,622	6,704	0	0	0 ×11001010
Superstructure (Timber;Span 3m;BH50)	e2	0.00	68,984	5,718	. 0	0	
Superstructure (Timber;Span 5m;BK50)	a2	0.00	75,311	6,193	0	0	. 0
Superstructure (Timber;Span 8m;BH50)	a2	0.00	95,515	7,839	0	ů.	0
Superstructure (Concrete;Span 3m;BH50)	ø2	0.00	59,900	90,643	0	0	
Superstructure (Concrete;Span 5m;BN50)	#2		61,331	101,196	0	0	
Superstructure (Concrete;Span 8m;8H50)	ø2	0.00	63,036	110,168	Ó	0	0
Superstructure (Concrete;Span1Om;BH50)	#2	0.00	68,850	125,030	0.	O	0
Superstructure (Concrete;Spani5m;BK50)	#2	0.00	73,924	147,159	0	. 0	0
Substructure (Pier;for Timber;101)	NO	0,00		43,111	0	0	0
Substructure (Abut;for Timber;101)	NO	4.00	1,300,552	189,409	5,202,208	757,636	5,959,844
Substructure (Pier;for Timber;BN50)	ND	0.00	712,725	63,825	0	0	0
Substructure (Abut;for Timber;BN50)	NO	0.00	1,472,611	212,426	0	0	· 0
Substructure (Pier;for Concrete;BNSO)	ND	0.00	1,882,835	472,599	0	0	(
Substructure (Abut;for Concrete;BMSO)	NO	0.00	3,892,798	991,443	0	0	0
Depolition of Bridge (Timber->Timber)	<b>£</b> 2	36.00	15,295	1,729	550,620	62,209	612,828
Demolition of Bridge (Timber-)Concrete)	\$2	0.00	15 295	1,728	0	. 0	0
Demolition of Bridge (Concrete)	#2	0.00	92,556	70,585	0	0	C
Naintenance of Timber Bridge (New)	#2	32.00	9,888 2,081	1,343	316,416	42,975	359,392
Naintenance of Concrete Bridge (New)	62	0.00		2,805	0	0	(
		113.25	8,658	2,513	780,518	284,597	1,265,115
Haintenance of Concrete Bridge (Exist)	s?	215.00	4,130	2,403	887,950	516,645	1,404,59
( Withoul Overhead )		OTAL COST	(Tieber Bride		7.724.764	783,236	8,708,00
· · · · · · · · · · · · · · · · · · ·			(Concrete Bri		0	0	9,100,000
	ľ	OTAL COST	(without Main		7,724,764	983,236	8,708,00
· · · · · · · · · ·							
( Overhead : 15% )	ĩ	UTAL COST	(Timber Brid		0,883,479	1,130,721	
		0141 0001	(Concrete Bri		0	0	10.011.00
	I	UTAL COST	(without Nai)	itenance)	B <sub>1</sub> 883,479	1,130,721	10,014,20

PROV : SUMATERA BELATAN KAR :

BANGKA

LINK NO : 16 (IIIA) LENGTH : 12 Km

	*****		******							( Rp
ITEN	Ľ	INIT	QUANTITY	<<< UNIT Local	COSI >>> Foreign	LOC	<<<<< AL	COST Foreign		>>>>> tota
norskruskuus //iskay.Com 7a.(AT)		_7		EE 174	4 295			 A		
perstructure (Timber;Span 3#;101)		<b>#</b> 2	0.00	55,634	4,625		υ. A	۲		
perstructure (Timber;Span 5x;101)		\$2	0.00	61,623	5,105		U A	U A		
perstructure (Timber;Span 8m;10T)		#2	0,00	81,622	6,704		U	U A		
perstructure (Timber;Span 3m;BHSO)	· .	#2	0.00	68,984	5,718		0	· U	• •	
perstructure (Timber;Span 5m;BHSO)		#2	0.00	75,311	6,193		0	U		
perstructure (Timber;Span Ba;BN50)		#2	0.00	95,515	7,839		Q	0		
perstructure (Concrete;Span 3m;BN50		e2	0.00	59,900	90,643		0	0		
perstructure (Concrete;Span 5x;BH50		e?	0.00	61,331	101,196		0	Q		
perstructure (Concrete;Span 8#;BH50		e2	0.00	63,036	110,169		0	0		
perstructure (Concrete;Spani0x;BH50		#2	0.00	68,850	125,030		0	0		
perstructure (Concrete;Span15e;8850	) i i i	#2	0.00	73,924	147,158	100 B	0 .	0		
bstructure (Piergfor Timberg10T)		NØ	0.00	484,615	43,111		0	. 0		
bstructure (Abut;for Timber;101)		NO	0.00	1,300,552	189,409	· · · · ·	0	Û		
bstructure (Piersfor Timber;BH50)		NO	0.00	712,725	63,825		0	. 0		
bstructure (Abut;for Timber;BH50)		NO	0,00	1,472,611	212 426		0	0		
hstructure (Pier;for Concrete;BN50)		NO	0.00	1,882,835	472 599		0	0		
bstructure (Abut;for Concrete;BM50)		NO	0.00	3,892,798	991 443		0	0		
eclition of Bridge (lisber->Timber)		82	0.00	15,295	1,728		0	. 0		
molition of Bridge (limber-)Concret		#2	0.00	15,295	1,728		0	0		
aolition of Bridge (Concrete)		#2	0.00	92,556	70,585		0	0		·
intenance of Timber Bridge (New)		#2	0.00	9,898	1,343		0	0		
intenance of Concrete Bridge (New)		• •2	0.00	2,081	2,805		0	. 0		
Intenance of Timber Bridge (Exist)	· .	2		8,658	2,513		0	0		
Intenance of Contrete Bridge (Exist		-2		4,130	2,403	916,6	160	533,466		1,450,3
( Without Overhead )		·	ntal cost	(Timber Bridg	 		û	0	••	*****
CALINGE OFFICEN /				(Concrete Bri			ŏ	0		
		• 1	CIAL COST	(without Mair			0	Õ		
·····	*******		******			*********			•••••	
( Overhead : 15% )		. 1	OTAL COST	(Timber Bridg			0.	0		
		:		(Concrete Bri			0	. 0		
		1	OTAL COST	(without Hair	tenance)		0	0		

KAB : BANGKA

LINK NO : 20

SUMATERA SELATAN

(IIIC)

LENGTH : 9 Km 🖓

(Rp)

	UNIT				(((((	COST	
	*****	PUANTITY	LOCAL	FOREIGN	LOCAL	FOREIGN	>>>>>> Total
uperstructure (fimber;Span 3m;101)		6 64	PE 174	4 105			
Superstructure (Timber;Span 5s;101)	#2 #2	0.00 0.00	55,634	4,625	. 0	0	
Superstructure (Timber;Span Sm;101)	#2 #2	0.00	61,623 81,622	5,106 6,704	. 0	v	
Superstructure (Timber;Span Ja;BHSO)	# <u>r</u>	0.00		-	Ű	0	•
Superstructure (Timber;Span 5m;BNSO)	#2	0.00	68,984 75,311	5,718 6,193	- U -	. U	
Superstructure (Timber;Span 8m;BHSO)	#2 #2	0.00			0	0.2	
Superstructure (Concrete;Span 3a;BH50)	.≡£ #2	0.00	95,515 59,900	7,839 90,643	Ų.	0	
Superstructure (Concrete;Span Swj8K50)	#2 #2			•	U A	· U	
Superstructure (Concrete;Span Swj6n30)	## .: #2	0.00	61,331	101,196	0	· U	
Superstructure (Concrete;Span 0#;BNSO)		0.00	63,036	110,168	U D	U	
uperstructure (Concrete;Spanion;BNSO)	#2 -7		68,850	125,030	0	0	
Aubstructure (Pier;for Timber;101)	R2	0.00	73,924	147,158	0	0	
ubstructure (Abutjfor Timberj101)	NO	0.00	484,615	43,111	• 0	Q	
	NO	0.00	1,300,552	189,109	- 0	0	
ubstructure (Pier;for Timber;DNSO)	NO	0.00	712,725	63,825	0	0	
Substructure (Abut; for Timber; BASO)	NO	0.00	1,472,611	212,426	0	0	
Substructure (Pier; for Concrete; 8850)	NO	0.00	1,982,835	472,599	0	0	
Substructure (Abut; for Concrete; BN50)	ND	0.00	3,892,798	991,443	0	.0	
emplition of Bridge (Timber-)Timber)	s2	0.00	15,295	1,728	0	0	
emolition of Bridge (limber-)Concrete)	#2		15,295	1,728	0	0	
emalition of Bridge (Concrete)	*2	0.00	92,556	70,585	0	0	·
laintenance of Timber Bridge (New)	a2	0.00	9,888	1,343	0	0	· .
laintenance of Concrete Bridge (New)	<b>u</b> 2	0.00	2,081	2,805	0	. 0	1
aintenance of Timber Bridge (Exist)	a2	105.00	8,658	2,513	909,090	263,865	1,172,9
laintenance of Concrete Bridge (Exist)	<b>\$</b> 2	0.00	4,130	2,403	0	0	
( Without Overhead )		1916] [616]	(Timber Bride		. 0		
t mithout Gielnedu I		018C 0031	(Concrete Bri		U A	v A	
	1	IDIAL CREAT	Without Main		0	0	
	*******		1#1411896 Hall		v	v	
( Overhead : 15% )	١	IOTAL COST	(Tisber Bride	je)	0	0	
			(Concrete Bri		0	0	
	. 1	IOTAL COST	(without Main		0	0	

LINK NU : 24 (IIIB-2) LENGTH : 24 Km

							t Rp
I T E H	UNIT	QUANTITY		COST >>> Foreign	>>>>> LOCAL	COST Fore Ign	>>>>> tota
operstructure (finber;Span 3a;101)	#2	0.00		4,625	Ų	. U	· · ·
operstructure (Timber;Span 5m;101)	e2		61,623	5,106	0	V	
uperstructure (Timber;Span 8m;10T)	±2			6,704	0	,U	
uperstructure (Timber;Span 3m;8H5O)	∎2	0.00	68,984	5,710	Q.	0	
uperstructure (Timber;Span Sm;BH50)	a2		75,311	6,193	0	0	
uperstructure (Timber;Span 8a;BHSO)	a2	0.00	95,515	7,839	0	0	
operstructure (Concrete;Span 3#;BN50)	#2		59,900	90,643	0	0	· · · ·
uperstructure (Concrete;Span 5#;BH50)	#2		61,331	101,196	0	0	
uperstructure (Concrete;Span 8a;BM50)	a2	0.00	\$3,035	110,168	0	0	
uperstructure (Concrete;Span10#;8H50)	æ2	0.00	68,850	125,030	0	0	
uperstructure (Concrete;Span15a;BN50)	s2		73,924	147,158	0	0	$(1,1) \in [n_{1}^{-1}] \times [n_{2}^{-1}]$
ubstructure (Pier;for Timber;101)	NO	0.00	484,615	43,111	0	0	
ubstructure (Abutyfor Timber;101)	NO	0.00	1,300,552	189,409	0	0	
ubstructure (Pier;for limber;8H50)	NO	0.00	712,725	63,825	0	0	
ubstructure (Abut;for Timber;BN50)	NO	0,00	1,472,611	212,426	0	0	
ubstructure (Pier;for Concrete;BN50)	ND	0.00	1,882,835	472,599	0	0	
ubstructure (Abut;for Concrete;8N50)	NO	0.00	3,892,798	991,443	0	. 0	
esolition of Bridge (Timber->Timber)	ə2	0.00	15,295	1,728	0	0	
exolition of Bridge (Timber-)Concrete)	#2	0,00	15,295	1,728	- 0	0	
emplition of Bridge (Concrete)	. e2	0.00	92,556	70,585	· • 0	0	
aintenance of Timber Bridge (New)	<b>s</b> 2	0.00	9,888	1,343	0	. 0	· · ·
aintenance of Concrete Bridge (New)	•2	0.00	2,081	2,805	· 0	0	
aintenance of Timber Bridge (Exist)	<b>s</b> 2	0.00	8,658	2,513	0	0	19 J. 19 1
aintenance of Concrete Bridge (Exist)	a2		4,130	2,403	260,190	151,389	411,5
			****		·	· · · ·	
( Without Overhead )	1	UTAL LUST	(Timber Bridg		0	. 0	
		ATAL COOP	(Concrete Bri	•	v	. U	
		UTAL LUST	lwithout Main	ilenance/		v	****
( Overhead : 15% )	I	OTAL COST	(linber Brid		0	. 0	
			(Concrete Bri	idge)	0	· 0	
		ATA1 8887	(without Hal	1	•	9	

FROV	8	SUMATERA SELATAN	KAB	BANGKA
LINK NO	:	32 (IIIB-1)	LENGTH :	9 Km

		-1 <b>-</b>					( Rp
IIEN		· · ·		COST >>>		COST	>>>>>>
	UNIT	QUANTLIY	LOCAL	FOREIGN	LOCAL	FOREIGN	TOTA
				*****		***	
Superstructure (Timber;Span Ja;LOI)	a2	0.00	55,634	4,625	Û	0	
Superstructure (Timber;Span 5#;101)	#2	0.00	61,623	5,106	0	0	
Superstructure (Timber;Span 8m;10T)	a2	0.00	81,622	6,704	0	0	
Superstructure (limber;Span 3m;BHSO)	- <b></b>	0.00	60,984	5,718	0	0	
Superstructure (Timber;Span 5m;8K50)	#2	0.00	75,311	6,193	0	0	
Superstructure (Timber;Span 8#19HSO)	e2	0.00	95,515	7,839	0	0	
Superstructure (Concrete;Span 3a;BNSO)	*2	0.00	59,900	90,643	0	0	
Superstructure (Concrete;Span Sm;BH50)	n2	0.00	61,331	101,196	0	Ó	
Superstructure (Concrete;Span 8x;BHSO)	<b>*</b> 2	0.00		110,168	0	Ō	
Superstructure (Concrete;Span10m;BN50)	#2	0.00	68,850	175,030	Ō	0	
Superstructure (Concrete;Span15m;BM50)	#2	0.00	73,924	147,158	0	0	
Substructure (Pier;for Timber;101)	NU		484,615	43,111	0	0	
Substructure (Abut;for Timber;101)	NO	0.00	1,300,552	187,409	0	0	
Substructure (Pier; for Timber; 8850)	ND	0.00	712,725	63,825	ŏ	õ	
Substructure (Abul;for Timber;8N50)	NO		1,472,611	212,426	Ō	ñ	
Rubstructure (Pier; for Concrete; BN50)	NO		1,862,835	472,599	Ŭ.	ů	
Substructure (Abut;for Concrete;BHSO)	KO	0.00	3,892,798	991,443	0	0	
Demolition of Bridge (Timber->Timber)	82		15,295	1,729	ů l	Ŏ	
Demolition of Bridge (limber-)Concrete)	#2		15,295	1,728	õ	ŏ	
Demolition of Bridge (Concrete)	#2		92,556	70,585	0	Ŏ	
sempirition by bridge (abacterer	=1	0.00	14 1000	101000	V.	ν.	
laintenance of Timber Bridge (New)	e2	0.00	9,888	1,343	0	0	
laintenance of Concrete Bridge (New)	#2	0.00	2,081	2,805	0	0	
faintenance of Timber Bridge (Exist)	#2	78.00	8,658	2,513	675,324	196,014	871,3
faintenance of Concrete Bridge (Exist)	<b>a</b> 2	141.00	4,130	2,103	582,330	338,823	921,1
( Without Overhead )		19101 COST	(Timber Brid		0		
V ALCHUNC UTERNEBU /		IDINE UVOI	(Concrete Br		0	0	
	,	101AL 2021	lwithout Hair		0	0	
		UINL 6031	(#1(UVU( DOL		V	v	
( Overhead ; 15% )	1	IOTAL COST	(Tiøber Brid	ge)	0	0	
			lConcrete Br		0	0	
	1	INTAL COST	(without Main		0	0	

PROV	:	SUM	ATERA BELATAN	KAB I	:	BANGKA
LINK NO	:	36	(1118-1)	LENGTH	;	32 Km

t	0n	1	

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ITEH	UNIT	QUANTITY	<<< UNIT Local	COST >>> Foreign	\\\\\ Local	COST Foreten	>>>>>> tota
Superstructure (Timber;Span 3m;10T)	e2	0,00	55,634	4,625	. 0	ò	
Superstructure (Timber;Span 5m;10T)	E BZ	0,00	61,623	5,106	0	0	
Superstructure (Tigber;Span BajlOT)	s2		81,622	6,704	. 0.	Ō	
Superstructure (Timber;Span 3m;BMSO)	#2	0.00	68,984	5,718	0	0	
Superstructure (Timber;Span Sm;BHSO)	#Z	0.00	75,311	6,193	0	- 0	
Superstructure (Timber;Span Ba;BH50)	#2		95,515	7,839	0	, 0	
Superstructure (Concrete;Span 3a;BH50)	s2	0.00	59,900	90,643	Ō	0	
Superstructure (Concrete;Span 54;BHSO)	#2	0.00	61,331	101,195	0	Û	
Superstructure (Concrete(Span Ba(BN50)	•2	0.00	63,035	110,169	0	Ô	
Superstructure (Concrete;Spanion;BNSO)	\$2	0.00	68,850	125,030	Ň	Ô	
Superstructure (Concrete;Span150;BMSO)	n2		73,924	147,159	0	Õ	
Substructure (Pier;for Timber;101)	NO	0.00	484,615	43,111	ů	Ô	
Substructure (Abut;for Timber;107)	NO	0.00	1,300,552	189,409	· û	0	
Substructure (Pier;for Timber;BH50)	NO	0.00	712,725	63,825		ů.	
Substructure (Abut;for Timber;BNSO)	NO	0.00	1,472,611	212,426	Ő	ň	
ubstructure (Pier;for Concrete;BNSO)	NO	0.00	1,892,935	472,599	Ô	ů	
Substructure (Abut;for Concrete;BH50)	NO	0.00	3,892,798	991,443	· .	'n	
emolition of Bridge (limber-)limber)	no #2	0.00	15,295	1,728	Ň	ŏ	
exolition of Bridge (limber-)Concrete)	e2	0.00	15,295	1,728	ň	ñ	
exolition of Bridge (Concrete)	#2	0.00	92,556	70,585	ŏ	0	
•							
aintenance of Timber Bridge (New)	#2	0.00	9,889	1,343	0	. 0	
aintenance of Concrete Bridge (New)	a2	0.00	2,081	2,805	0	0	
aintenance of Timber Bridge (Exist)	,#2	211.50	8,658	2,513	1,831,167	531,499	2,362,60
laintenance of Concrete Bridge (Exist)	#2	72.00	4,130	2,403	297,360	173,016	470,3
( Without Overhead }	 ĭ	ATAL COST	(lisber Bridg	······		0	
, national dictionant (			(Concrete Brl		0	ů 0	
	Ţ	OTAL COST	fwithout Main		0	0	
{ Overhead : 15% }	÷.,		(Timber Bridg (Concrete Bri (without Hair	dge)	0 0 0	0 0 0	

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BANGKA

PROV	\$	SUMATERA SELATAN	KAB : BANGKA	
LINK NO	:	37 (1118-1)	LENGTH : 20 Km	

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				-	i.		( Rp )
ITEN			<<< UNIT	COST >>>	))))))	COST	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
	UNIT	QUANTITY	LOCAL	FOREIGN	LOCAL	FOREIGN	IOTAL
Superstructure (Tigber;Span 3m;107)	-1	A 44	FC 174	1 107			
Superstructure (Timber;Span 5m;101)	62 #2		55,634		0		(
uperstructure (Timber;Span 9m;101)	#Z #2		61,623	5,106	0	Ű	
Superstructure (fimber;Span 3m;BM50)	82 82		81,622	6,704	0	Ū.	1
Superstructure (Timber;Span Sm;DNSO)	#4 #2		68,984	5,718	0	. U	
Superstructure (Timber;Span 8s;8H50)	#2		75,311	6,193	•	0	· .
Superstructure (Concrete;Span 3a;BNSO)	#2 #2		95,515	7,839	0	. 0	
Superstructure (Concrete;Span Sm;BNSO)	#Z		59,900	90,643	0	0	
Superstructure (Concrete;Span 8a;BNSO)	87 82		61,331	101,176	0	V	
Superstructure (Concrete;SpanlOm;BNSO)	97 112		63,036	110,168	0	·· 0	. 1
Superstructure (Concrete;Spani5#;BKSO)	#2		69,850	125,030	U G	0	
Substructure (Pier;for Tinber;107)	NO		73,924	147,158	v	-	1
Substructure (Abut;for Timber;101)	NO		484,615	43,111	0	Ū,	
Substructure (Pier;for Timber;BNSO)	on M	*	1,300,552	189,409	•	0	
Substructure (Abut;for Timber;BHSO)			712,725	63,825	0	U	
Substructure (Pier;for Concrete;BNSO)	NO		1,472,611	212,426	0	U	
Substructure (Abut;for Concrete;BNSO)	NO		1,802,835	472,599	0	0	
	HO		3,892,798	991,443	0	0	
Demolition of Bridge (limber-)limber)	82		15,295	1,728	0	0	
Demolition of Bridge (limber-)Concrete)	#2		15,295	1,728	0	0	
Demolition of Bridge (Concrete)	#2	0.00	92,556	70,585	0	0	
laintenance of Timber Bridge (New)	<b>s</b> 2	0.00	9,808	1,343	0	0	
laintenance of Concrete Bridge (New)	e2		2,091	2,805	0	0	
laintenance of limber Bridge (Exist)	÷ \$2	0.00	8,658	2,513	0	0	
faintenance of Concrete Bridge (Exist)	<b>a</b> 2	80.00	4,130	2,403	330,400	192,240	522,64
( Without Overhead )		IDTAL COST	(Timber Bridg	16]	0	0	
			(Concrete Bri		ů.	õ	
	1	IOTAL COST	(without Main		0	Ō	
{ Overhead t 15% }			(Timber Bridg (Concrete Bri (without Kaia	idgel.	0 0	0	

PROV	:	SUMATERA SELATAN	КАВ	:	BANGKA
LINK NO	:	38 (1118-2)	LENGTH	;	19 Km

(Rp)

							( кр
ITEN	דואט	QUANTITY	COCAL	COST >>> Foreign	\\\\\\ LOCAL	COST FORE I GN	>>>>> TOTA
Superstructure (Timber;Span 3m;101)		0.00	55,634	4,625	. 0	0.	
Superstructure (Yimber;Span 5m;10T)	•2	0.00	61 623	5,106	0	0	: 1
Superstructure (Timber;Span 80;107)	#2	0.00	81,622	6,704	· 0 · · ·	0	
Superstructure (limber:Span 30;8850)	e2	0.00	60,984	5,718	0	0	
Superstructure (Timber:Span 5m;8H50)	<b>#</b> 2	0.00	75,311	6,193	: Q · · ·	0	
Superstructure (Timber;Span 8m;BH50)	<b>a</b> 2	0.00	95,515	7,839	0	0	
Superstructure (Concrete;Span 3#;BNSO)	s2	0.00	59,900	90,643	<b>0</b>	0	
Superstructure (Concrete;Span 5#;BH50)	-2	0.00	61,331	101,196	. 0	0	
Superstructure (Concrete;Span 8a;BHSO)	∎2	0.00	63,036	110,168	0	0	
Superstructure (Concrete;Span10m;BMSO)	#2	0.00	68,850	125,030	0	0	
Superstructure (Concrete;Span15#;BNSO)	•2	0.00	73,924	147,158	0	0	
Substructure (Pier;for Timber;10T)	NO	0.00	484,615	43,111	0	0	
Substructure (Abut;for Timber;101)	NO	0.00	1,300,552	189,409	0	Ó	
Substructure (Pier; for Timber; 8850)	ND	0.00	712,725	63,825	0	0	
Substructure (Abut;for Timber;BNSO)	NO	0.00	1,472,611	212,426	0	0	
Substructure (Pier;for Concrete;BH50)	NO	0.00	1,882,835	472,599	0	0	
Substructure (Abut;for Concrete;BNSO)	NO	0.00	3,892,798	991,443	· · · 0	0	
Demolition of Bridge (Timber-)Timber)	<b>n</b> 2	0.00		1,728	· 0	0	
Demolition of Bridge (Timber-)Concrete)	#2	0.00	15,295	1,728	· 0	0	1.1.1
Demolition of Bridge (Concrete)	• •2	0.00	92,556	70,585	· 0	0	
laintenance of limber Bridge (New)	<b>a</b> 2	0.00	9,889	1,343	. ()	. 0	
laintenance of Concrete Bridge (New)	<b>a</b> 2	0.00	2,081	2,805	0	· · · · ·	
faintenance of Timber Bridge (Exist)	∎2	0.00	8,658	2,513	0	0	
laintenance of Concrete Bridge (Exist)	•2	112.50	4,130	2,103	464,625	270,337	734,90
		•••••				~~~~~~~~	*********
( Without Overhead )	ĩ	OTAL COST	(Timber Bride		0	Q	
		·	(Concrete Bri		0	Q	
	I	OTAL COST	(without Hair	itenance)	0	0	
( Overhead : 15% )	 T	1203 1410	(Timber Bride		. 0	0	
i Uyetincau i 104 /		VIAC DODI	(Concrete Bri		õ	Ő	
	T	OTAL COST	(without Hair		õ	ò	
	*******						**, ** = = = = * = = =

## PROV : SUMATERA SELATAN KAD :

LINK ND : 39

(IIIB-2) LENGTH : 16 Km

BANGKA

							( Rp )
I T E H	UNIT	QUANTITY	<<< UNIT Local	COST >>> Foreign	<<<<< LOCAL	COST Foreign	>>>>>> Total
Superstructure (Timber;Span 3m;10T)		0.00	55,634	4,625	0	0	. 0
Superstructure (Timber;Span 5m;101)	#2	0.00	61,623	5,105	0	V A	V A
Superstructure (limber;Span Bm;107)	•2	0.00	81,622	6,704	Û.	0	ب م
Superstructure (Timber;Span Jm(BH50)	#2	0.00	68,984	5,719	. 0	Д	
Superstructure (Himber; Span 5#; BM50)	n2	0.00	75,311	6,193	. 0	· 0	
Superstructure (limber;Span 8m;BN50)	a2	0.00	95,515	7,039	0	0	
Superstructure (Concrete;Span 3m;BK50)	a2	0.00	59,900	90,643	0	0	
Superstructure (Concrete;Span 5m;BNSO)	82	0.00	61,331	101,196	0	· 0	
Superstructure (Concrete;Span 8m;BMSO)	#2	0.00	63,036	110,168	. U	0	
Superstructure (Concrete;Span10#;BM50)	#Z	0.00	68,850	125,030	0	ů 0	
Superstructure (Concrete;Span15m;BHSO)	a2	0.00	73,924	147,158	Ň	0	
Substructure (Pier;for Timber;101)	NO	0.00	484,615	43,111	ů.	. 0	
ubstructure (Abut;for Timber;10T)	NO	0.00	1,300,552	189,409	Ŭ.	- 0	
Substructure (Pier;for Timber;BH50)	NO	0.00	712,725	63,825	0	. 0	
Substructure (Abut;for Timber;BHSO)	HO	0.00	1,472,611	212,426	0	. 0	
ubstructure (Pier;for Concrete;BN50)	NO	0.00	1,002,035	472,599	i n		
Substructure (Abut)for Concrete;BNSO)	NO	0.00	3,892,798	991,443	0	0 0	
enviition of Bridge (Timber-)Timber)	#2	0.00	15,295	1,728	ő	Õ	
emolition of Bridge (limber-)Concrete)	a2		15,295	1,728	Ň	0	
evolition of Bridge (Concrete)	#2 #2	0.00	92,556	70,595	· 0	0	
evolution of pringe someraces	41	0100	11 220	101202	Υ.	v	
aintenance of Timber Bridge (New)	ø2	0.00	7,888	1,343	0	0	
laintenance of Concrete Bridge (New)		0.00	2,081	2,805	0	0	
aintenance of Timber Bridge (Exist)	s2		8,658	2,513	Ō	Ő	
lainlenance of Concrete Bridge (Exist)	o2	139,35	4,130	2,403	575,515	334,858	910,37
( Without Overhead )	•••••••••• !	OTAL COST	(Timber Bridg	je)	0		
		÷	(Concrete Bri		0	0	
	1	OTAL COST	fwithout Main	itenance)	0	0	
( Overhead : 15% )		OTAL COST	(linber Bride		. (	. 0	
			(Concrete Bri		0	0	
		INTAL COST	(without Nair	tenance)	0	0	

KAB BANGKA

LINK NO : 41 (IIIB-2)

LENGTH : 24 Km

( Rp ) -----ITEN <<< UNIT COST >>> COST UNIT QUANTITY LOCAL FOREIGN LOCAL FOREIGN TOTAL 4,625 Superstructure (Timber;Span 3m;101) #2 0.00 55,634 0 Û Û 61,623 Superstructure (Timber;Span 5m;101) **e**2 0.00 5,106 Û 0 Ô Superstructure (Timber;Span 0m;10T) 6,704 #2 0.00 81,622 0 0 0 Superstructure (Timber;Span 30;BH50) 5,718 0 #2 0.00 68,984 0 Ô 6,193 Superstructure (Timber;Span 5m;BN50) 0 ø2 0.00 75,311 0 0 7,839 Superstructure (Timber;Span 8m;BMSO) **n**2 0.00 95,515 0 A Û 90,643 Superstructure (Concrete;Span 3m;BNSO) #2 0.00 59,900 Ð 0 0 Superstructure (Concrete; Span 5m; BMSO) 0.00 101,196 **n**2 61,331 Û 0 0 Superstructure (Concrete;Span 80;BN50) £2 0.00 63,036 110,169 Û 0 0 Superstructure (Concrete;Span10m;8H50) 0.00 125,030 •2 68,850 0 0 Ô Superstructure (Concrete;Span15;BH50) 0.00 73,924 147,158 0 Q a2. Ô Substructure (Pier;for Timber;101) NO 0.00 484,615 43,111 0 0 Ð Substructure (Abut; for Timber; 101) NO 0.00 1,300,552 189,109 £. Û Ô Substructure (Pier;for Timber;BHSO) NO 0.00 63,825 0 712,725 0 Û Substructure (Abut; for Timber; BMSO) NO 0.00 1,472,611 212,426 0 0 0 Substructure (Pier; for Concrete; 0850). 472,599 NØ 0.00 1,892,835 0 0 0 Substructure (Abut; for Concrete; 0H50) NO 0.00 3,892,798 991,443 0 0 ø 1,728 Deaplition of Bridge (limber->limber) 0.00 R2 15,295 ٥ 0 ð Demolition of Bridge (Timber-)Concrete) a2 0.00 15,295 1,728 0 0 0 Demolition of Bridge (Concrete) ₽2 0.00 92,556 70,585 Ô ð 0 Naintenance of Timber Bridge (New) 0.00 7,988 1,343 ¥2 Ô 0 Ô Maintenance of Concrete Bridge (New) **a**2 0.00 2,081 2,805 Ô Ô 0 Haintenance of Timber Bridge (Exist) 0.00 8,658 2,513 0 #2 A Ô 753,312 Maintenance of Concrete Bridge (Exist) 4,130 182.40 2,403 438,307 1,191,619 ¥2 ( Without Overhead ) TOTAL COST (Timber Bridge) Ō 0 Ō (Concrete Bridge) 0 0 0 TOTAL COST (without Haintenance) n A ۵ Ō

(Overhead : 15%) TDTAL COST (Tipber Bridge) 0 0 0 (Concrete Bridge) 0 0 0 TOTAL COST (Without Haintenance) 0 0 0

KAB : BANGKA

LINK NO : 44 (IIIB-2)

LENGTH : 24 Km

ITEN							
	UNIT	QUANTITY	<<< UNIT LOCAL	COST >>> Foreign	<<<<< Local	COST Foreton	>>>>> Tota
uperstructure (Timber;Span 3e;101)	-1	• • •	PF / 14				
operstructure (Timber;Span 5s;101)	62 .#2		55,634	1,625	0 -	. 0	·
perstructure (limber;Span 8m;101)			61,623	5,106	0	, Q	
uperstructure (Timber;Span 3m;BN50)	#2	0.00	81,622	6,704	0	0	
uperstructure (Timber;Span Sm;BH30)	#2 - 2	• • • •	68,984	5,718	0	0	
	#2		75,311	6,193	0	0	
uperstructure (Timber;Span 8m;RH50)	a2			7,839	0	0	
uperstructure (Concrete;Span 3#;BH50)	E2		59,900	90,643	Q i	0	
uperstructure (Concrete;Span 5a;BN50)	s2		61,331	101,196	<b>0</b>	0 .	
uperstructure (Concrete;Span Ba;BH50)	#2		63,036	110,168	0	0	
operstructure (Concrete;Span10x;BN50)	#2		68,850	125,030	0	0	
uperstructure (Concrete;Span15m;BH50)	a2		73,924	147,159	0	0	
ubstructure (Pier;for Timber;101)	ND	0.00	484,615	43,111	0	0	
ubstructure (Abut;for Timber;101)	NO	0.00	1,300,552	189,409	0	0	
ubstructure (Pier;for Timber;BN50)	HO	0.00	712,725	63,825	0	. 0	
ubstructure (Abut;for Timber;BHSO)	HO	0.00	1,472,611	212,426	0	0	
ubstructure (Pier;for Concrete;BH50)	ŇO	0,00	1,892,935	472,599	0	0	
ubstructure (Abut;for Concrete;BNSO)	NO	0.00	3,892,798	991,443	0	0	
exolition of Bridge (limber-)limber)	<b>#</b> 2	0.00	15,295	1,728	0	0	
exolition of Bridge (Timber-)Concrete)	e2	0.00	15,295	1,728	0	0	
emolition of Bridge (Concrete)	a?	0.00		70,585	0	0	
aintenance of Tisber Bridge (New)	#2	0.00	9,888	1,343	0	0	
alutenance of Concrete Bridge (New)	#2	0.00	-	2,805	0	0	· · .
aintenance of Timber Bridge (Exist)		405.00	8,658	2,513	3,506,490	1.017.765	4,524,2
aintenance of Concrete Bridge (Exist)	aZ	0.00	4,130	2,403	0	0	
( Without Overhead )		INTAL COST	(limber Brid)	np)	0		
			(Concrete Br		0	Ô	
	Ì	IDTAL COST	(without Main		0	0	
( Øverhead : 15% )		IOTAL COST	(lisber Brid	ne)			
			(Concrete Br	4	Ő	ů 0	
	1	IOTAL COST	(without Main		.0	ů	

(IIIB-1)

KAB I BANGKA

LINK NO : 45

LENGTH : 16 Km

(Rp)

							(Rp)
I T E K	INU	T QUANTITY	<<< UNIT LDCAL	COST >>> Foreign		COST FORE16N	>>>>> Total
Superstructure (Timber;Span 3m	•		55,634	1,625	0	0	1 1 1 1 ( 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Superstructure (limber;Span 5m			61,623	5,106	0	0	(
uperstructure (limber;Span 8m			81,622	6,704	v	U	
operstructure (limber;Span 3m			68,984	5,718	. 0	0	
uperstructure (Timber)Span 5m			75,311	6,193	Ű	0	
uperstructure (Timber;Span 8m			95,515	7,839	Ø	0	
uperstructure (Concrete;Span			59,900	90,643	0	0	11.1
uperstructure (Concrete;Span			61,331	101,196	0	0	
uperstructure (Concrete;Span			63,036	110,168	Q .	0	
uperstructure (Concrete;Span)			68,850	125,030	0	0	
uperstructure (Concrete;Spant)	50;8H50) el		•	147,158	0	· 0	
ubstructure (Pier;for Timber;	LOT) N	0.00	484,615	43,111	0	Q.,	
ubstructure (Abut)for Timber;	101) N	0.00	1,300,552	189,409	0	· 0	
ubstructure (Pier;for Timber;	BH50) N	0,00	712,725	63,825	0	0	
ubstructure (Abut;for Timber;	BHSO) H	0 0,00	1,472,611	212,426	0	0	
ubstructure (Pier;for Concret	e;8K50) N	0.00	1,882,835	472,599	0	0	
ubstructure (Abut;for Concret	e;8N50) N	0.00	3,892,798	991,443	• 0	0	
emolition of Bridge (limber-)	linber) n	2 0.00	15,295	1,728	0	0	
emolition of Bridge (limber-)	Concrete) ø	2 0.00	15,295	1,728	0	0	
emplition of Bridge (Concrete	) <u> </u>	2 0.00	92,556	70,585	Ð	0	
aintenance of Timber Bridge (		2 0.00	9,888	1,343	0	0	
aintenance of Concrete Bridge	(Nen) 🔹	2 0.00	2,081	2,805	. 0	0	
aintenance of Timber Bridge G	Exist) 🔹	2 22.00	8,658	2,513	190,476	55,286	245,78
aintenance of Concrete Bridge	(Exist) a	2 86.94	4,130	2,403	359,062	208,916	567 , 97
( Without Overhea		10101 0051	(Timber Brid		0		
t mithout overhed		.01/12 0001	(Concrete Br		Ф. О	Ó	
		TOTAL COST	(without Main		õ	Ō	
( Overhead : 15%	}	TOTAL COST	(Tiaber Brid		0		··
			(Concrete Br		0	0	
			(without Main			0	

PROV SUMATERA SELATAN ž LINK NO :

KAB BANGKA

46 (IIIB-1)

LENGTH I 14 Km

			•				(Rp)
ITEN				cost >>>	›››››››	COST	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
	UKII	QUANTITY	LOCAL	FORELGN	LOCAL	FOREIGN	TOTAL
Superstructure (Timber;Span 3m;10T)	<b>n</b> 2	0.00	55,634	1 100		.:	
Superstructure (lisber;Span 5#;107)	#2			4,625	0	0	0
Superstructure (Timber;Span 8a;101)	82 82		61,623	5,106	0	0	0
Superstructure (limber; Span 3m; DHSO)	a2		81,622	6,704	0	0	0
Superstructure (Timber;Span Sa;BHSO)	#2		68,984	5,718	0	0	0
Superstructure (Timber;Span 8#;BHSO)	. a2		75,311	6,193	0	0	0
Superstructure (Concrete;Span Je;BNSO)	a2 a2		<b>75,515</b>	7,839	0	0	0
Superstructure (Concrete;Span Sa;BNSO)	-		59,900	90,643	0	0	0
Superstructure (Concrete;Span Sajanso) Superstructure (Concrete;Span Sajanso)	a2		61,331	101,196	0	0	0
Superstructure (Concrete;Spanlom;BH50)	#2	••••	63,036	110,168	0	0	0
Superstructure (Concrete;Span15m;BH50)	#2		68,850	125,030	0	0	0
	e2		73,924	147,158	0	0	0
Substructure (Pier;for Timber;10T)	NO		484,615	43,111	. 0	. 0	0
Substructure (Abut; for Timber; 101)	HO		1,300,552	189,409	0	0	. 0
Substructure (Pier;for Timber;BH50)	NO		712,725	63,825	0	0	Ç
Substructure (Abut; for Timber; BNSO)	NO		1,472,611	212, 126	0	0	(
Substructure (Pier;for Concrete;8850)	NO		i,882,835	472,599	0	0	0
Substructure (Abut; for Concrete; BH50)	NO		3,892,798	991,443	0	0	0
Demolition of Bridge (Timber~>Timber)	\$2		15,295	1,728	0	0	0
Demolition of Bridge (Timber~)Concrete)	@2		15,295	1,728	0	0	C
Demolition of Bridge (Concrete)	#2	0.00	92,556	70,585	0	0	0
Maintenance of Tisber Bridge (Nex)	#2	0.00	9,889	1,343	0	0	C
Naintenance of Concrete Bridge (New)	#2	0.00	2,081		0	0	0
Maintenance of Timber Bridge (Exist)	· a2	0.00	8,658	2,513	• O	· 0	0
Maintenance of Concrete Bridge (Exist)	e?	290.00	4,130	2,403	1,197,700	696,870	1,894,570
( Nithout Overhead )	1	IOTAL COST	(Vinber Brid	ne}			
			(Concrete Br		ů.	0	Č
	1	IDTAL COST	(without Hal		Ō	Ö	Q
		•••••					
f Overhead : 15% )	۱	IOTAL COST	{Ti∎ber 8rid		0	0	(
			(Concrete Br		0	. 0	(
	1	IOTAL COST	(without Mai	ntenance)	0	0	0

LINK NO : 58 (	11192	)	LENGT	H : 3	9 Km		
						· ·	( Rp )
I L E H	UHIT	QUANTETY	<<< UNIT Local	CUST >>> Foreign	////// Local	COST Fore I gn	>>>>>> Total
uperstructure (Tieber;Span 3e;101)	#2	0.00	55,634	4,625	0	0	(
	#2	0.00	61,623		0	Ő	
uperstructure (Timber;Span 5m;10T)			•	5,106	0	0	
uperstructure (Timber)Span 8#;10T)	•2	0.00	81,622	6,704	ů 0	0	
uperstructure (Timber;Span 3m;BNSO)	₽2	0.00	68,984	5,710		•	
uperstructure (limber;Span 5m;BNSO)	#2	0.00	75,311	6,193	- 0	. 0	1
uperstructure (Timber;Span Bm;BN50)	#2	0.00	95,515	7,839	0	0	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
uperstructure (Concrete;Span 3#;BNSO)	••• <b>•</b> 2	0.00	59,900	90,643	0.	0	
uperstructure (Concrete;Span 5m;BH50)	•2		61,331	101,195	19 A. 19	0	
ugerstructure (Concrete;Span 8x;BNSO)	•2	0.00	63,036	110,168	0	Q	
uperstructure (Concrete;Span10a;B#50)	#2	0.00	69,850	125,030	0	0	
uperstructure (Concrete;Span15m;BN50)	e2	0.00	73,924	147,158	0	0	
ubstructure (Pier;for Timber;101)	NO	0.00	484,615	43,111	0	0	
ubstructure (Abut;for Timber;101)	NO	0.00	1,300,552	187,409	· 0	0	
ubstructure (Pier;for Timber;DN50)	NO	0.00	712,725	63,925	·· 0	Q	
ubstructure (Abut;for Timber;BH50)	NO	0.00	1,472,611	212,426	0	0	
ubstructure (Pier;for Concrete;8N50)	KD	0.00	1,882,835	472,599	. 0	0	
ubstructure (Abut;for Concrete;8850)	NO	0.00	3,892,798	991,443	0	0	
exolition of Bridge (Timber->Timber)	#2	0.00	15,295	1,728	0	0.	
emolition of Bridge (limber-)Concrete)		0.00	15,295	1,728	0	0	
emolition of Bridge (Concrete)	m2	0.00	92,556	-	0	0	
aintenance of Timber Bridge (New)	#2	0.00	9,688	1,343	0	0	
ainienance of Concrete Bridge (New)	a2	0.00	2,081	2,805	. 0	0	A State of the second
aintenance of Timber Bridge (Exist)	n2		8,658	2,513	2,623,374	761,439	3,384,91
aintenance of Concrete Bridge (Exist)			4,130	2,403	1,057,280	615,168	1,672,44
( Without Overhead )		OTAL COST	(lisher Brid	16)	0	0	
			(Concrete Br	-	0	Q	
	· . Ţ	OTAL COST	fwithout Hai	ntenance)	0	0	
( Overhead : 15% )		OTAL COST	(lisber Brid	 1e}		0	
·	•		(Concrete Br		0	0	
			(without Main		0	ò	

## 6-A-80

KAB : BANGKA

LINK NO : 73 (IIIE-1)

LENGTH : 4 Km

			******				( Rp
I T E H				COST >>>		COST	>>>>>
	URIT	QUANTITY	LOCAL	FOREIGN	LOCAL	FOREIGN	A101
Superstructure (limber;Span 3m;101)	#2	0.00	55,634	4,625	0	. 0	
Superstructure (Timber;Span Sa;101)	e2	0.00	61,623	5,106	· · ·	. 0	
Superstructure (limber;Span 8m;101)	#2	0.00	81,622	6,704	. 0	. 0	
Superstructure (limber(Span Jm;BH50)	h2	0.00	69,984	5,719	. 0	ő	
uperstructure (Timber;Span Sm;DNSO)	#2	0.00	75,311	6,193		- Å	
Superstructure (Timber;Span Bo;DH50)	<b>₽</b> 2	0.00	95,515	7,839	ĥ	. 0	
uperstructure (Concrete;Span 3a:BH50)	#2	0.00	59,700	90,643	0	Ő	
Superstructure (Concrete;Span Sa;BN50)	<b>#</b> 2	0.00	61,331	101,196	0	0	
Superstructure (Concrete;Span 8a;BMSO)	#2	0.00	63,036	110,168	0	0	
Superstructure (Concrete(Span10m;BH50)	<b>h</b> 2	0.00	68,850	125,030	. 0	Ō	
Superstructure (Concrete;Span15a;BH50)	a2	0.00	73,924	147,158	0	6	
Substructure (Pier;for Timber;101)	NO	0.00	484,615	43,111	0	ů	
Substructure (Abut; for Timber; 101)	NO	0.00	1,300,552	187,409	Ď	0	
Substructure (Pier;for Timber;BNSO)	ND	0.00	712,725	63,925	0	Ō	
Substructure (Abut;for Timber;BN50)	NO	0.00	1,472,611	212, 126	ò ···	0	
Substructure (Pierjfor Concrete(BMSO)	ND	0,00	1,882,935	472,599	0	0	
Substructure (Abut;for Concrete;DH50)	NO	0.00	3,892,798	991.443	0	Ō	
eaolition of Bridge (Tiober-)Timber)	¥2	0.00	15,295	1,728	0	0	
emolition of Bridge (Timber-)Concrete)	#2	0.00	15,295	1,728	0	0	
lemolition of Bridge (Concrete)	#2	0.00	92,556	70,585	0	0	
aintenance of Timber Bridge (New)	<b>\$</b> 2	0.00	9,888	1,343	0	0	
faintenance of Concrete Bridge (New)	<b>e</b> 2	0.00	2,081	2,805	0	0	
laintenance of Timber Bridge (Exist)	<b>a</b> 2	120.00	8,658	2,513	1,038,960	301,560	1,340,5
aintenance of Concrete Bridge (Exist)	a2	0.00	4,130	2,403	0	0	
( Without Overhead )		OTAL COST	(Timber Brid	ge}		0	
		а — н н	(Concrete Br		0	0	
	1	OTAL COST	(without Hai	ntenance)	0	0	
( Overhead ; 15% )	1	DTAL COST	(Timber Brid		0 •	0	
			(Concrete Br		0	0	
	1	DIAL COST	(without Mai	ntenancel	0	0	

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(1118-2)

KAB : BANGKA

LINK NO

LENGTH : 6 Km

			· · · · ·				(Rp )
1 J E H	UNIT	QUANTITY	<<< UNIT LOCAL	COST >>> Foreign	<<<<< LOCAL	COST FORE I GN	>>>>> Total
Superstructure (Timber;Span 3m;101)	<b>a</b> 2	0.00	55,634	4,625	0	0	!
uperstructure (Timber;Span 5a;101)	a2	0.00	61,623	5,106	0	.: 0	
uperstructure (Timber;Span Ba;101)	#2	0.00	81,622	6,704	0	0	1. A.
uperstructure (Timber;Span 3a:8H50)	<b>s</b> 2	0.00	68,984	5,718	0	0	
uperstructure (Timber;Span Sm;BH50)	e2	· · · · · ·	75,311	6,193	0	0	
uperstructure (limber;Span 8x;BH50)	e2	0.00	95,515	7,839	0	0	
uperstructure (Concrete;Span 3a;BN50)	e2		59,900	90,643	0	. 0	
uperstructure (Concrete;Span 5m;BH50)	#2		61,331	101,196	0	0	
uperstructure (Concrete;Span 8#;BH50)	ø2		63,036	110,168	0	Q .,	
uperstructure (Concrete;Span10a;BN50)	. #2			125,030	• • •	0	
uperstructure (Concrete;Span15#;BN50)	£2	0.00	73,924	147,158	0	. 0	
ubstructure (Pier;for Timber;101)	ŇD	0.00	484,615	43,111	0	0	
ubstructure (Abut;for Timber;101)	NO	0.00	1,300,552	189,409	0	0	
ubstructure (Pier;for Timber;BHS0)	ND	0.00	712,725	63,825	0	0	
ubstructure (Abut;for Timber;PH50)	NO	0.00	1,472,611	212,426	0	0.	
ubstructure (Pier;for Concrete;BH50)	NO	0.00	1,882,835	472,599	0	0	
ubstructure (Abut;for Concrete;BN50)	NO	0.00	3,892,798	991,443	0	0	
emolition of Bridge (limber-)limber)	e2	0.00	15,295	1,728	0	0	
emolition of Bridge (Timber-)Concrete)	<b>#2</b>	0.00	15,295	1,728	. 0	0	
eaclition of Fridge (Concrete)	#2	0.00	92,556	70,585	0	0	
aintenance of Timber Bridge (New)	∎2	0.00	7,899	1,343	. 0	. 0	
aintenance of Concrete Bridge (New)	e2	0.00	2,081	2,805	0	0	
aintenance of Timber Bridge (Exist)	a2	210.00	8,658	2,513	1,818,180	527,730	2,345,9
aintenance of Concrete Bridge (Exist)	<b>a</b> 2	0.00	4,130	2,403	0	0	
( Without Overhead )	·	INTAL COST	flieber Brid	ael.	0		• = • • • • • • • • • • • • • • • • • •
• ••• ••• •• •• •• •• •			(Concrete Br		0	Ö	
	1	IDTAL COST	Without Hai		0	0	
· · · · · · · · · · · · · · · · · · ·						******	- 6
( Overhead : 15% )	]	IOTAL COST	(Timber Brid		Ç	0	
			(Concrete Br		0	0	
	ĺ	IOTAL COST	(without Mai	ntenance)	. 0	· 0	
		1					

PROV

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SUMATERA SELATAN KAB :

(1118-2)

LINK NO : 77

LENGTH :

BANGKA

9 Km -

(Ro)

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	*****						( Rp
ITEN	UNIT	QUANTITY	<<< UNIT LOCAL	COST >>> Foreign	\\\\\\ LOCAL	COST FOREIGN	>>>>>> tota
	*******	*********	**************				
Superstructure (Timber;Span 3m;10T)	32	0.00	55,634	1 (25		۵	
Superstructure (Timber;Span 5#;101)	s2	0.00	61,623	4,625	0	0	
Superstructure (Timber;Span 8m;101)	e2	0.00	81,622	6,704	0	0	
Superstructure (Timber;Span 3m;BH50)	a2	0.00	68,994	5,718	0	. 0	
Superstructure (Timber(Span 5m; BH50)	62	0.00	75,311	6,193	0	. 0	
Superstructure (Timber;Span 9x;0H50)	62	0.00		7,839	ψ Λ	0	
Superstructure (Concrete;Span 3a;BMSO)	a2	0.00		90,643	v o	0	
Superstructure (Concrete;Span 5x;BH50)	#2	0.00	61,331	101,196	. 0	· 0	
Superstructure (Concrete;Span 84;8850)	#2	0.00	63,036	110,169	: V A .	. 0	1
Superstructure (Concrete;Span10#;BH50)	#2	0.00	68,850	125,030	0	0	
Superstructure (Concrete; Span15#; BHSO)	#2	0.00	73,924	147,158	0.		
Substructure (Pier; for Timber; 101)	ND	0.00	484,615	43,111		0	
Substructure (Abut; for Timber; 101)	NO	0.00	1,300,552	189,409	0	0	
Substructure (Pier; for limber; BH50)	NO		712,725	63,925	0	V 0	
Substructure (Abut;for Timber;BH50)	NO	0.00	1,472,611	212,426	0	0	
Substructure (Pier;for Concrete;BASO)	NO		1,882,935	472,599	0	· 0·	
Substructure (Abut; for Concrete; BNSO)	NO NO	0.00	3,892,798	991,443	0	0	
Demolition of Bridge (limber-)Timber)	no s2	0.00	15,295	1,728		0	
Deaolition of Bridge (limber-)Concrete)	a2	0.00	15,295	1,728	. 0	0	
Demolition of Bridge (Concrete)	a2	0.00	92,556	70,585	0	0	
enatives of bridge (bunchede)		0.00	12,000	10,100	,v	v	
Naintenance of Timber Bridge (New)	<b>≞</b> 2	0.00	9,888	1,343	0	•	
Maintenance of Concrete Bridge (New)	<del>s</del> 2	0.00	2,081	2,805	. <b>0</b>	0	· ·
Maintenance of Timber Bridge (Exist)	<b>\$</b> 2	51,00	8,658	2,513	441,558	128,163	569,7
Maintenance of Concrete Bridge (Exist)	#2	130.00	4,130	2,403	536,900	312,390	849,2
( Nithout Overhead )		OTAL COST	(Timber Bridg	·	0	0	
· ····································	•		{Concrete Sri		0	0	
	Ĭ	OTAL COST	(without Main		0	Û	
( Overhead ; j5% )		01A) COST	(limber Dridg	IP}			
1 UTETHERU 4 506 7		5 MIL 0491	(Concrete Bri		Ŏ	ů 0	
	· _		Anithout Hair		ò	ò	

PROV	1	SUMATERA SELATA	an kab i bangka
LINK NO	1	79 (1118-2)	LENGTH : 33 Km

1	Řp	1

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							( Rp
ITEH	UNIT	QUANTITY	<<< UNIT LOCAL	COST >>> Foreign	،/// ۲۰۱۲ Local	COST Foreign	>>>>>> Tota
		*********					
uperstructure (Timber;Span Jm;101)	#2	0.00	55,634	4,625	0	V	ا ب ب ب
uperstructure (Timber;Span 5m;101)	• <b>e</b> 2	0.00	61,623	5,106	0	U D	
uperstructure (Timber;Span Ba;10T)	. a2	0.00	81,622	6,704	0	0	
uperstructure (Timber;Span 3m;BN50)	<b>\$</b> 2	0.00	68,984	5,718	0		1.
uperstructure (Tiøber;Span Sø;BNSO)	#2	0.00	75,311	6,193	0	Q	
uperstructure (Timber;Span Ba;BH50)	#2	0.00	95,515	7,839	0	0	
uperstructure (Concrete;Span Ja;BH50)	ø2	0.00	59,900	90,643	Q	0	
uperstructure (Concrete;Span 5e;BH50)	a2		61,331	101,196	0	. Q*	
uperstructure (Concrete;Span 8m;BNSO)	<b>₽</b> 2	0.00	63,036	110,168	0	. <b>Q</b>	
uperstructure (Concrete;SpanlOm;BX50)	•2	0.00	58,850	125,030	9	0	
uperstructure (Concrete;Span15a;BH50)	<b>\$</b> 2	0.00	73,924	147,150	0	0	· · ·
ubstructure (Pier;for Timber;10T)	NO	0.00	484,615	13,111	0	0	
ubstructure (Abut;for Timber;101)	NO	0.00	1,300,552	189,409	0	0	
ubstructure (Pier;for Timber;BH50)	ND	0.00	712,725	63,825	0	0	
ubstructure (Abut;for Timber;BN50)	NO	0.00	1,472,611	212,425	.0	0	
ubstructure (Pier;for Concrete;BNSO)	NO	0.00	1,882,835	472,599	0	. O	
ubstructure (Abut;for Concrete;BN50)	KO	0.00	3,892,798	991,443	0	0	
emolition of Bridge (Timber-)Timber)	₽2	0.00	15,295	1,720	0	0	a de la seconda
eaolition of Bridge (Timber->Concrete)	s2	0.00	15,295	1,728	. 0	0	
emolition of Bridge (Concrete)	e2	0.00	92,556	70,585	0	0	
aintenance of Timber Bridge (New)	<b>a</b> 2	0.00	9,888	1,343	0	· ··· 0	•
aintenance of Concrete Bridge (New)	∎2	0.00	2,081	2,805	0	0	1997 - 1997 1997 - 1997 - 1997 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 19
aintenance of Timber Bridge (Exist)	a2	760.50	8,658	2,513	6,584,409	1,911,136	8,495,5
aintenance of Concrete Bridge (Exist)	a2	0.00	4,130	2,403	0	0 -	
( Without Overhead )	I	OTAL COST	(Timber Bride (Concrete Bri		0	· 0	
	τ	TAN CAST	(without Hair		ñ	ò	
		0100 0001	retribat hav		· · · ·	•	
( Overhead : 15% )	1	OTAL COST	(Timber Brid		0	0	
			(Concrete Br		0	0	
	Į	OTAL COST	<b>Cwithout Hai</b>	atenancel	· 0	0	

: SUMATERA SELATAN

5

KAB : BANGKA

LINK NO

PROV

02 (IIIC) LENGTH :

TH : 8Km

( Rp )

								( Kp )
ITEN		UNIT	QUANTITY	<<< UNIT Local	COST >>> FORE16N	\\\\\ LOCAL	COST FORE LGN	>>>>>> Total
Superstructure (	Timber:Span 3mj10T)	n2	0.00	55,634	4,625	۵. ۲		
	limber;Span 5m;101)	2	0.00	61,623	5,106		υ 	
	Tinber;Span 80;1011	82	80.00	81,622	6,704	6,529,760	571 700	3 A27 A97
	Timber Span Ja: BH501	•2	0.00	68,984	5,718	0,327,700	536,320	7,066,08
	Tieber; Span 5s; BH50)	:2	0.00	75,311	6,193	V	· · ·	
	Timber:Span Bm:BH50)	92	0.00	95,515	7,839	V	0	
	Concrete;Span 3m; BN50)	e2	0.00	59,900	90,643	0.0	. 0	
	Concrete;Span 5#;BN50)	- 2	0.00	61,331	101,196	0		
	Concrete;Span Ba;BN50)	R2	0.00	63,036	110,168	۰ ۵	. V	
	Concrete; Spani0a; BH50)	a2	0.00	68,850	125,030	0	V 0	
	Concrete; Span154; BH50)	#2	0.00	73,924	147,158	Å	v A	
	er;for Timber;101)	NO	2.00	404,615	43,111	969,230	01 777	1,055,45
	ut;for Timber;101)	NO	2.00	1,300,552	189,409	2,601,104	85,222	
Substructure (Pi	er;for Timber;BH501	ND	0.00	712,725	63,825		370,818 0	2,979,92
	ut;for Timber;BH501	NO	0.00	1,472,611		0	0	
	erifor Concrete;BH50)	NO	0.00		212,426		•	1
	utifor Concrete:0050)	NO		1,882,835	472,599	0	0	
	idge (linber-)linber)		0.00	3,892,799	991,443	0	0	
	idge (limber-)Concrete)	*2	90.00	15,295	1,728	1,376,550	155,520	1,532,07
		B2		15,295	1,728	0	0	
nswolfflou Di Qi	idge (Concrete)	#2	0,00	92,556	70,595	0	0	· ·
Maintenance of 1	inber Bridge (New)	ø2	80.00	9,889	1,343	791,040	107,440	878,48
	Concrete Bridge (New)	62		2,081	2,805	0	. 0	
	inber Bridge (Exist)	#2		8,659	2,513	1,519,479	441,031	1,960,51
	concrete Bridge (Exist)	<b>e</b> 2		4,130	2,403	0	0	
******								
( 1	lithout Overhead 1	1	ITAL COST	(linber Bridg		11,476,644	1,156,880	12,633,52
· ·			e t	(Concrete Bri		0	0	
		1	IOTAL COST	(without Hair	ntenance)	11,476,644	1,156,880	12,633,5
i t	lverhead : (5%)	I		(Timber Bride		13,198,141	1,330,412	14,528,5
				(Concrete Bri		0	0	
	•	3	TRUE LATO	(without Main	fanancal	13,198,141	1,330,412	14,528,5

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98

LINK MO

LENGTH : 5 Km

							( Rp: )
J T E H	UNIT	QUANTITY	<<< UNIT Local	COST >>> Foreign	\\\\\ LOCAL	COST Fore Ign	>>>>>> total
uperstructure (Timber;Span 3m;10T)	e2	0.00	55,634	4,625	0	٨	
uperstructure (Timber;Span 5#;101)	D2	0.00	61,623	5,106	ů ů		
operstructure (linber;Span Ba;101)	#2	0.00	81,622	6,704	õ	à	
operstructure (linber;Span 3m;BMSO)	e2	0.00	40,984	5,718	ŏ	ò	
uperstructure (TimberjSpan Sm;BNSO)	#2	0.00	75.311	6,193	Ň	Ň	· ·
uperstructure (fiaber;Span 8m;BHSO)	12	0.00	95,515	7,839	. 0	0	
uperstructure (Concrete;Span Ja;BH50)	a2		59,900	90,643	0	0	
uperstructure (Concrete;Span Sm;BHSO)	a2		61,331	101,196	Ő	ŏ	· ·
uperstructure (Concrete;Span 84;8MSO)			63,036	110,169	Ő.	Ċ	
uperstructure (Concrete; Span10#; BN50)	#2	0.00	68,950	125,030		0	
uperstructure (Concrete;SpanISm;BKSO)			73,924	147,159	Ó	- 0	
ubstructure (Pier;for Timber;101)	NO	0.00	484,615	43,111	0	۰ ۵	· ·
ubstructure (Abut;for Timber;101)	NO	0.00	1,300,552	189,409	0	Ô	
ubstructure (Pier;for Timber;BNSO)	NO	0.00	712,725	63,825	. 0	Ō	
ubstructure (Abut;for Timber;BN50)	HO	0.00	1,472,611	212,426	0	Ô	
ubstructure (Pier;for Concrete;8N50)	約	0.00	1,892,835	472,599	0	0	
ubstructure (Abut;for Concrete;BN50)	NO	0.00	3,892,798	991,443	. 0	Ŏ	
emolition of Bridge (Timber->Timber)	62	0.00	15,295	1,729	0	0	
emolition of Bridge (Timber-)Concrete)	a2		15,295	1,728	0	0	
emolition of Bridge (Concrete)		0.00	92,556	70,585	0	0	
aintenance of Timber Bridge (New)	* #2	0.00	9,898	1,343	0	0	
aintenance of Concrete Bridge (New)	e2	0.00	2,081	2,805	0	0	
aintenance of Timber Bridge (Exist)	#2	378.00	8,658	2,513	3,272,724	949,914	4,222,63
aintenance of Concrete Bridge (Exist)	€2	0.00	4,130	2,403	0	0	
( Without Overhead )		INTAL COST	(limber Brid	10)	0		· · · · · · · · · · · · · · · · · · ·
			(Concrete Bri		Ő	Ŏ	
		INTAL COST	(without Main		Õ	ů,	
( Overhead ; 15% )		IDTAL COST	(Tiaber Brid (Concrete Bri		0 0	0 0	

KAB : BANGKA

LINK ND : 102 (IIIB-1)

LENGTH : 13 Km

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I I E H Superstructure (liab Superstructure (liab Superstructure (liab Superstructure (liab Superstructure (liab	er;Span 5m;101) er;Span 8m;101)	UNIT e2 g2	QUANTITY 0.00	<<< UNIT Local	COST >>> Foreign	\\\\\ LOCAL	COST Foreign	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
Superstructure (linb Superstructure (linb Superstructure (linb	er;Span 5m;101) er;Span 8m;101)	-						
Superstructure (linb Superstructure (linb Superstructure (linb	er;Span 5m;101) er;Span 8m;101)	-		55,634	4,625	0	0	
Superstructure (linb Superstructure (linb	er;Span 8 <b>s</b> ;101)		15.00	61,623	5,105	985,968	81,695	1,057,654
Superstructure (limb		a2	0.00	81,622	6,704	0 001	011070 0	1,007,001
	er:Soan Je:98501	a2	0.00	68,984	5,718	0	. v	· · · (
		#2	0.00	75,311	6,193	0	. 0	
Superstructure (Timb		#2	0.00	95,515	7,839	Ŭ.	0	
Superstructure (Conc		<b>#</b> 2	0.00	59,900	71637	ν - · · · · · · · ·	. 0	
Superstructure (Conc		62	0.00			Ų.	U A	
Superstructure (Conc		#2 #2	0.00	61,331	101,196	U	Ű	
Superstructure (Conc				63,036	110,169	, U	. 0	
Superstructure (Conc		s7	0.00	68,850	125,030	0		ł
Substructure (Pier; f		#2	0.00	73,924	147,158	0	0	
		NO	0.00	484,615	43,111	0	0	
Substructure (Abut: )	OF ITADEF (191)	NO	2.00	1,300,552	189,409	2,601,104	378,818	2,979,92
Substructure (Pier:f	or limber; Bhou	NO	0.00	712,725	63,825	0	0	
Substructure (Abut; f		NO	0.00	1,472,611	212,426	0	Q	
Substructure (Pier; (		NO	0.00	1,802,935	472,599	0	0	
Substructure (Abut)f		NO	0.00	3,892,798	991,443	0	0	
Demolition of Bridge		a2	0.00	15,295	1,728	0	0	
Demolition of Bridge		až	0.00	15,295	1,728	0	0	
Demolition of Bridge	(Concrete)	m2	0.00	92,556	70,585	0	0	
Haintenance of Timbe	r Bridge (New)	#2	16.00	9,889	1,343	158,208	21,488	179,69
Maintenance of Concr	ete Bridge (New)	s2	0.00	2,081	2,805	0	0	
Maintenance of Timbe	r Bridge (Exist)	#2	144.00	8,658	2,513	1,246,752	361,872	1,808,62
Haintenance of Concr	ete Bridge (Exist)	a2		4,130	2,403	148,680	86,508	235,18
( Withe	ut Overhead )		IOTAL COST	(Timber Brid		3,587,072	460,514	4,047,58
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		•		(Concrete Bri		0	0	.1
		' I	IOTAL COST	Inithout Main		3,587,072	460,514	4,047,51
( Dyprh	ead : 15% )		IDIAL COST	(Timber Brid	ne)	4,125,133	529,591	4,654,72
. vicin				(Concrete Br		0	0	. [
		1	IOTAL COST	Without Main		4,125,133	529,591	4,654,72

PROV	<b>t</b> .	SUMATERA	BELATAN

KAB : BANGKA

LINK NO : 103 (IIIB-2)

LENGTH : 7 Km

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ITEH	UNIT	QUANTITY	<<< UNIT LOCAL	COST >>> Foreign	((((() Local	COSI Fore Ign	>>>>> 101Al
			CF 114	1 195	0	Λ.	(
uperstructure (limber;Span 3m;101) uperstructure (limber;Span 5m;101)	•2 •2	0.00	55,634 61,623	4,625	. V A	٥ ۵	
uperstructure (Timber;Span Bm;101)	62	0.00	81,822	6,704	ů.	ń	
uperstructure (lieber;Span 3x;BHSO)	#2 #2		68,984	5,710	0		
uperstructure (limber;Span Sm;BNSO)	a2		75,311	6,193	ů ů	6	
uperstructure (lieber;Span 8m;BMSO)	32		95,515	7,639	0	. Å	
uperstructure (Concrete;Span 3m;BHSO)	82	0.00	59,900	90,643	. <b>0</b>	0	
uperstructure (Concrete;Span Sa;BNSO)	#2	· ·	61,331	101,196	Δ	Ň	
uperstructure (Concrete;Span Bm;BHSO)	+2	0.00	63,036	110,168	0	ň	
uperstructure (Concrete;Spanion;BHSO)	#2	0.00	68,850	125,030	0	Ň	
uperstructure (Concrete;Spani54;BNSO)	#2	0.00	73,924	147,158		Ó	•
ubstructure (Piersfor Hisbers10))	NO	0.00	484,615	43,111	v. 0	· ^	
ubstructure (Abutjfor Timberj101)	NO	0.00	1,300,552	189,409	Ô.	Ò	
ubstructure (Pierifor TisberiBNSO)	NO	0.00	712,725	63,825	. •	0	
ubstructure (Abut;for Timber;BH50)	XQ		1,472,611	212,426	. 0	0	· ·
ubstructure (Piersfor Concrete;8850)	NO	0.00	1,002,035	472,599		0	
ubstructure (Abut;for Concrete;BNSO)	NO NO	0.00	3,892,798	991,443	ō	Ŏ	
emolition of Bridge (limber-)limber)	= a2		15,295	1,728	0	Ŏ	
exolition of Bridge (limber-)Concrete)	62		15,295	1,728	Ó	0	
emolition of Bridge (Concrete)	a2		92,556	70,585	0	0	
aintenance of Timber Bridge (New)	<b>\$</b> 2	0.00	9,888	1,343		0	
aintenance of Concrete Bridge (New)	•2	0.00	2,081	2,805	0	0	
aintenance of limber Bridge (Exist)	a2	325.00	8,658	2,513	2,813,850	816,725	3,630,51
aintenance of Concrete Bridge (Exist)	a2	0.00	4,130	2,403	0	0	· · ·
( Without Overhead )		IQTAL COST	(liaber Brid	gel	0	0	
			(Concrete Br		0	0	·
	I	IOTAL COST	(without Nal)	ntenancel	0	0	
{ Overhead : 15% }	********	IOTAL COST	(linber Brid		0	0	*************
			(Concrete Br		0	0	
	1	OTAL COST	(without Hal	ntenancel	0	0	

