LINK NO : 67 (111A)

LENGTH : 6 Km

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

			:			-		(Rp)
ITEH :	UNET	QUANTITY	<<< UNIT	COST >>> FOREIGN	Loc	(((((COST FOREIGH	>>>>> TOTAL

iite Clearance in Light Bush	e 2	0.0	173	91		0	. 0	-4.
ubgrade Preparation	=2	29160.0	22	11	641,5		320,760	962,28
ormai Fill	43 ·		1,792	863	01110	. U	020 100	102120
ill in Swamp	#3.	3132.0	2,637	1,052	8,259,0	104 3	,294,864	11,553,94
ormal Excavation to Speil	#3	1260.0	1,047	522	4,460,2		,223,720	6,683,74
ub Base Course	m3	4441.5	3,363	1,347	14,936,7		,982,700	20,919,46
lase Course	#3	2160.0	1,622	2,299	9,983,5		965,840	
houlder	#3. #2	18000.0	313	116	5,634,0		628,000	8,262,00
· ·	#Z #2		3,728		2102210	/VV Z	Λ	Dirorioo
isphalt Patching		0.0		1,377		۸ .	0	
Surface Dressing (Single)	92	0.0	616	595	20.011.0	V 100 25		41 Ann aa
ourface Dressing (Double)	MŽ	27000.0	771	936	20,817,0	/0V 23	,272,000	45,089,00
arth Drain	. **	0.0	870	119	97 100 1	0	. 0 . 220 400	27 7/0 00
arth Drain in Swamp (by machine)	a 3	21600.0	1,256	474	27,129,8	200 10	,238,400	37,368,00
ipe Culvert 080cm	4	0.0	44,520	42,161		V	. V	
lasonry Culvert (80x80cm)		0.0	60,401	36,609		0	Ų	
tetaining Wall and Wing Wall (Timber)	# 2	0.0	9,691	246		0	₹	
etaining Wall and Wing Wall (Masonry)	a3	0.0	44,050	11,678		0	. 0	
abion Protection	m 3	0.0	11,979	120		0	0	
len Bridge (Timber)	SET	1.0			46,492,1	177 6	,592,062	53,084,23
lew Bridge (Concrete)	SĘT	1.0		. ***	i.	0 .	0	
	• *		Sub Total	ř	138,353,8	885 61	,518,346	199,872,23
verhead (15%)					20,753,0	82 9	,227,751	29,980,83
			TOTAL COST		159,106,9	367 70	,746,097	229,853,06
			.44 .75				47 406	001 5
anual routine maintenance of road	Ka Ka	6.0	140,672	7,248	844,0		43,488	887,57
outine maintenance of asphalt road	Κα	6.0		137,700	2,236,6		826,200	3,063,00
		410.0	Sub Iotal	1 212	3,080,6		869,688	3,950,5
aintenance of Timber Bridge (New)	#2	412.0	6,982	•	2,835,3		507,584	3,342,9
aintenance of Concrete Bridge (New)	#2	0.0	1,759	2,656		0	0	
laintenance of limber Bridge (Exist)	# 2	0.0	7,507	2,460		Ų		
laintenance of Concrete Bridge (Exist)	a 2	0.0	4,417	2,375		V	v	
		~~~~~~						
			Earthwork &	Pavesent Ur	nit Cost	(Rp/Km)	:	28,134,3
•			Timber	Bridge lk	nit Cost	(Rp/m2)	1	148,1
			Concrete	Bridge Un	nit Cost	(Rp/m2)		
			Sur vi ved	Value		(Rp)	:	20,472,91
*			201 11160	10100			-	
				Rate without	t Bridge	(7,)	:	ž.;

LINK NO : 63 (1118-2) LENGTH : 3 Km

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

~ # * * * * * * * * * * * * * * * * * *				*949*****				(Rp)
1 T E H	: Unit	QUANTETY	<<< UNIT	COST >>> FOREIGN	, ,,	<<<<<	COST FOREIGN	>>>>> TOTAL
			Lyonc	L OUC 1014	1.0	JHL 	FUNCION	A101
Cita Classes in Light Doub								
Site Clearance in Light Bush	92	16000,0	173	. 91	2,769,	900	1,455,000	1,221,00
Subgrade Preparation	92	15620.0	22	11	343,	640	171,820	515,46
Normal Fill	. <b>a</b> 3	0.0	1,792	863	•	0	0	•
Fill in Swamp	a3	174.0	2,637	1,052	458,	938	183,048	641,00
Normal Excavation to Spoil	#3	2221.0	1,047	522	2,325,	397	1,159,362	3,484,74
Sub Base Course	£ª.	1663.0	3,363	1,347	5,592,	569 7	2,240,061	7,832,73
Rase Course	<b>#</b> 3	720.0	1,622	2,299	3,327,	340 1	1,655,280	4,983,12
Shoutder	m2	9000.0	313	116	2,817,	000	314,000	4,131,00
Asphalt Patching	<b>a</b> 2	0.0	3,728	1,377		0	0	
Surface Dressing (Single)	<b>6</b> 2	0.0	616	595		0	0	
Surface Dressing (Double)	<b>2</b> 2	0.0	771	936		0	0	
Earth Drain		0.0	870	[19		Ô	ů	
Earth Drain in Swamp (by machine)	<b>a</b> 3	1200.0	1,256	474	1,507,	-	568,800	2,076,00
Pipe Culvert DBOca		44.0	11,520		1,958,1		,B55,0B4	
Hasonry Culvert (80x80c≥)	5	0.0	60,401	36,609	. Il moli	0	המטורהמני המטורהמני	3,813,96
Retaining Wall and Wing Wall (Tieber)	12	0.0	9,691	246		0		
Relaining Wall and Wing Wall (Masonry)	aš	12.8	44,050		517		0	313 71
Gabion Protection	B3	0.0	-	11,678	563,		149,478	713,31
New Bridge (Timber)			11,979	120		0	0	
New Bridge (Concrete)	132 132	1.0	***		2,326,		402,186	2,728,58
new birdge (concrete)	acı	1.0				0	0	
			Sub Iotal		23,997,	576 11	,155,119	35,144,79
Overhead ( 15% )					3,598,	<b>151</b> 1	i ,673,267	5,271,71
			TOTAL COST		27,588,	127 17	2,828,386	40,416,51
							·	
fanual routine maintenance of road	Ke	3.0	140,672	7,248	422,0	)16	21,744	443,76
Routine maintenance of gravel road	Km	3.0	202,224	88,047	606,	572	264,141	870,81
			Sub Total	•	1,028,		285,885	1,314,57
Haintenance of Timber Bridge (Hem)	<b>a</b> 2	12.0	6,882	1,232	82		14,784	97,36
Maintenance of Concrete Bridge (New)	•2		1,759	2,656	,	0 -	0	,,,,,,
Maintenance of Timber Bridge (Exist)	62		7,507	2,460	112,		36,900	149,50
Haintenance of Concrete Bridge (Exist)	m2		4,417	2,375	1114	0	00,100	117,01
sources of concrete of tage (cx150)	m 4	0.0		2,010				
			Earthwart I	Pavenent Un	il Cook	10a IV-1		17 636 27
						(Rp/Kp)		12,426,22
			Timber	•	it Cost	(Rp/m2)		261,48
•			Concrete	•	it Cost	(Rp/m2)		2 017 77
			Survived	Value	n. : 1	(Rp)		3,916,36
				Rate without	Br 1 dge	<b>(%)</b>	:	3.5
**			Hen Bridge	cost Hate		(7.)	1	7.7

PROV : KALIMANTAN SELATAN

KAB : BANJAR

LINK NO : 61 (IIIA)

LENGTH : 10 Km

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

(Ro)

							tuby
11EM	UNIT	QUANTITY	<<< UNIT	COST >>> FOREIGN	<< Local	CCCC COST	///// TOTAL
	* * * * * * * * *		Ang Ang Ang Sile Sile And And Ang Ang Ang Ang Ang Ang Ang				."
Site Clearance in Light Bush	<b>æ</b> 2	6,000	173	9 i	1,038,000		1,584,06
Subgrade Preparation	, s2	38070.0	22	11	837,540	418,770	1,256,31
Hormal Fill .	<b>a</b> 3	0.0	1,792	863		) (	
Fill in Swamp	93	6345.0	2,637	1,052	16,731,765	6,674,940	23,405,70
Normal Excavation to Spoil	a3	4200.0	1,047	522	4,397,400	2,192,400	6,589,80
Sub Base Course	23	7036.0	3,363	1,347	26,352,468	10,555,092	36,907,56
Pase Course	аŠ	3600.0	4,622	2,299	16,639,200	8,276,400	24,915,60
Shoulder	<b>±2</b>	30000.0	313	146	9,390,000	4,380,000	13,770,00
Asphalt Patching	<b>e</b> 2	0.0	3,728	1,377	. (	) 0	
Surface Dressing (Single)	<b>a</b> 2	0.0	616	595	(	0	
Surface Dressing (Double)	<b>e</b> 2	45000.0	771	936	34,695,000	12,120,000	76,815,00
Earth Drain		0.0	870	119	· (	) 0	
Earth Drain in Swamp (by machine)	п3	28200.0	1,256	474	35,419,200	13,366,800	48,786,00
Pipe Culvert DBOcm	p	36.0	11,520	42,161	1,602,720		3,120,51
Masonry Culvert (80x80cm)	. 4	0.0	60,101	36,609	(	) 0	- 44-54-5
Retaining Wall and Wing Wall (Timber)	я2	0.0	9,691	216	Ċ	) 0	
Retaining Wall and Wing Wall (Masonry)	<b>u</b> 3	6.0	44,050	11,678	264,300	70,068	334,36
Gabion Protection	<b>8</b> 3	0.0	11,979	120	101,000	· -	****
Hew Bridge (Timber)	SET	1.0	111///		18,304,836	•	21,019,07
New Bridge (Concrete)	SET	1.0			10,507,050	, 2,,,,,,,,,	11/01/10/
uen bilode reputieres	JLI	1.0			`		
			Sub Total		165,672,431	92,832,504	258,504,93
Overhead (152)					24,850,86	13,924,875	38,775,73
			TOTAL COST		190,523,295	5 106,757,379	297,280,67
Manual routine maintenance of road	Ka	10.0	140,672	7,248	1,406,720		1,479,20
Routine maintenance of asphalt road	K∎	10.0	372,800	137,700	3,728,000	1,377,000	5,105,0
			Sub iotal		5,134,720		6,581,20
Haintenance of Timber Bridge (Hew)	<b>m</b> 2	140.0	<b>გ,882</b>	1,232	963,480	172,480	1,135,9
Maintenance of Concrete Bridge (New)	#2 ·	0.0	1,759	2,656	(	) 0	
Maintenance of Timber Bridge (Exist)	a2	165.0	7,507	2,460	1,239,659	405,900	1,844,5
Maintenance of Concrete Bridge (Exist)	<b>a</b> 2	0.0	4,417	2,375	(	0	
			~~~~~				
				Dawarah He	ail Cach	ID-IV-1	91 324 4
				Pavement Ur		(Rp/Kg) :	27,310,8
				•		(Ro/#2) :	172,6
•			Concrete	Bridge Ur	nit Cost	(Rp/s2) :	35 351 -
			Suryived	Value		(Rp) :	35,754,9
						•	
				Rate without	t Bridge	(%) : (%) :	2. (8. 1

PROV

: KALIMANTAN SELATAN

KAB : BANJAR

LINK NO : 51 (IIIA) LENGTH : 7 Km

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

1 F E iii	UNIT	QUANTITY	<<< UNIT Local	COST >>> FOREIGN	Loca	CCCCC COST	<<<<<
							~~
Site Clearance in Light Bush	m2	6000.0	173	91	1,038,0	546,000	1,584,00
Subgrade Preparation	#2	52500.0	22	- 11	1,155,00		1,732,50
Rormal Fill	n3	0.0	1,772	863	1,100,1	0 0	11/02/00
ill in Swamp ,	e3	0.0	2,637	1,052		0 0	
lormal Excavation to Spoil	: a3	842.0	1,017	522	991,5		1,321,09
Sub Base Course	₩3	4410.0	3,363	1,347	14,830,83		20,771,10
Base Course	a3	2520.0	4,622	2,299	11,647,44		17,440,92
inovi der	a 2	21000.0	313	146	6,573,0		
Asphalt Patching	#2	0.0	3,728	1,377	0101010	0 3,000,000	9,639,00
Surface Dressing (Single)	•2	0.0	616	595		0 :0	
Surface Dressing (Double)	# 2	31500.0	771	936	24,286,50	-	53 330 E0
arth Drain	4. g	200.0	: B70	119			53,770,50
arth Drain in Swamp (by machine)	a3	0.0	1,256	474	174,00	•	197,00
ipe Culvert DBOca		54.0	44,520		2,401,0		1 (00.22
lasonry Culvert (80x80cm)		0.0	60,401	42,161	2,404,00		4,680,77
Retaining Wall and Wing Wall (Timber)	n2	0.0		36,609		0 . 0	
Retaining Wall and Wing Wall (Masonry)	- 82	16.0	9,691	246		0 0	
abion Protection	ns n3		,	11,678	704,80	•	871,64
len Bridge (Timber)		0.0	11,979	120	74 517 6	0 0	26 711 47
lew Bridge (Concrete)	SET	1.0			34,563,80		39,316,03
ien prinde reduction	SET	1.0				0 0	•
			Sub Total		98,259,0	53,086,344	151,345,37
Overhead (15%)			•		14,739,8	7,962,951	22,701,80
			TOTAL COST		112,997,8	85 61,049,295	174,047,18
					~ <u>.</u>		
lanual routine maintenance of road	. Ka	7.0	140,672	-7,218	984,70	04 50,738	1,035,4
Couline maintenance of asphalt road	K e	7.0	372,800	137,700	2,609,60	963,900	3,573,50
			Sub Total		3,594,30	04 1,014,636	4,608,94
laintenance of Timber Bridge (New)	. a2	308.0	6,882	1,232	2,119,69	56 379,456	2,499,11
laintenance of Concrete Bridge (New)	a2	0.0	1,759	2,656		0 0	
laintenance of Timber Bridge (Exist)	# 2	209.0	7,507	2,460	1,568,9	53 514,140	2,083,10
laintenance of Concrete Bridge (Exist)	62	0.0	4,417	2,375		0 0	
•	٠		Earthwork &		nit Cost	(Rp/Ka) ;	18,404,8
			liaber		hit Cost	(Rp/#2) :	146,7
•			Concrete	•	Init Cost	(Rp/s2) :	
			Survived	Value		(Rp) :	20,977,11
			Naintenance		ıt Bridge	(%) :	3,5
			New Bridge	Paul Dain		(%)	25.

LINK NO : 46 (IIID-1) LENGTH : 4 Km

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

•			4 .	100		: "		• (кр)
1 T E H	HNIT	QUANTITY	<<< UNIT	COST >>> FOREIGN	LOCA	, (((((COST Fore16H	\\\\\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
	0111	annii i i		TONCION				,
Att. Al., 2. 31-k3 Bunk	-0		127	nı	:	0	. ^	
Site Clearance in Light Bush	n2	0.0	173	91		٥	0	
Subgrade Preparation	m2	0.0	27			^		
Normal Fill	a 3	0.0	1,792	863		Δ	Α .	
Fill in Swamp	#3	0.0	•	1,052	-	ν Λ · ·	. 0	
Normal Excavation to Spoil	a 3	0.0	1,047	522	7 464 1	U 11 1	011 750	3,362,94
Sub Rase Course	#3	714.0		1,347	2,401,10		961,750	
Base Course	#3	1120.0	4,622	2,299	5,176,6		574,880	7,751,52
Shoulder	#2	16000.0	313	146	5,008,0		,336,000	7,344,00
Asphalt Patching	•2	0.0	3,728	1,377	# DEL 6	0	0	10 77/ 00
Surface Dressing (Single)	0.2	16000.0	616	595	9,856,0		,520,000	19,376,00
Surface Dressing (Double)	#2	0.0	771	936		0	700 000	5 1/1 DA
Earth Drain	. 6	3200.0	970	119	2,784,0	00	380,800	3,164,80
Earth Drain in Swamp (by machine)	a3	0.0	1,256	174		0	-0	
Pipe Culvert D80cm	P	12.0	44,520	42,161	534,2	40	505,932	1,040,17
Nasonry Culvert (80x80cm)	Æ	0.0	60,401	36,609		0	0	•
Retaining Hall and Hing Wall (Yimber)	a2	0.0	9,691	246		0	.0	
Retaining Wall and Wing Wall (Masonry)	, a.3	0.0	44,050	11,678		0	0	
Gabion Protection	83	0.0	11,979	120		Ó.	0	
New Bridge (Timber)	SE 1	1.0				0	0	
New Bridge (Concrete)	SET	1.0	,		:	0	0	
		•	Sub Total		25,760,0	62 : 16	,279,370	42,039,43
Overhead (15%)					3,864,0	09 2	,441,905	6,305,91
			FOTAL COST		29,624,0	71 18	,721,275	48,345,34

Manual routine maintenance of road	- Kas	4.0	140,672	7,248	562,6	98	28,992	571,6
Routine maintenance of asphalt road	Km	4.0	372,800	137,700	1,491,2	00	550,800	2,042,0
• •			Sub Total		2,053,8	88	579,792	2,633,68
Haintenance of limber Bridge (Hew)	#2	0.0	6,802	1,237		0	0	
Maintenance of Concrete Bridge (New)	a 2	0.0	1,759	2,656		0	0	
Naintenance of Timber Bridge (Exist)	9 2	21.0	7,507	2,460	157,6	47	51,660	209,30
mornice de la lance de loge lexisie	_	۸ ۸	4,417	2,375	*	0	0	
	s 2	0.0	11137	1,5,0				
	s 2 							
	6 7	······································		Pavement U	nit Cost	(Rp/Ka)		12,088,3
Maintenance of Concrete Bridge (Exist)	6 2			Pavement U	nit Cost nit Cost	(Rp/Ka)		12,088,3
	6 2		Earthwork &	Pavement Us Bridge Us			:	12,088,33
	6 2	0.0	Earthwork & Timber	Pavement Us Bridge Us	nit Cost	(Rp/m2)	:	
	8 2	0.0	Earthwork & Timber Concrete Survived	Pavenent Ui Bridge Ui Bridge Ui	nit Cost nit Cost	(Rp/m2) (Rp/m2)	:	12,088,33 3,904,36

LINK NO : 44 (IIIA) LENGTH : 4 Km

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

UANTITY LOCAL FOREIGN LOCAL FOREIGN TOTAL O. 0 173 91 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	,	40		*******	*********		to me for one may not any use any tao any spira had togo any	(кр)
0.0 173 91 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ITEN				COST >>>	32.	<<<< COST	>>>>>
30000.0 22 11 660,000 330,000 990,000 0.0 1,792 863 0 0 0 0.0 2,637 1,052 0 0 0 861.0 1,047 522 901,467 449,442 1,350,900 2520.0 3,363 1,347 8,474,760 3,394,440 11,869,200 1440.0 4,622 2,299 6,655,680 3,310,560 9,766,240 12000.0 313 146 3,756,000 1,752,000 5,508,000 0.0 3,728 1,377 0 0 0 0.0 616 595 0 0 0 18000.0 771 936 13,878,000 16,848,000 30,726,000 400.0 870 117 348,000 47,600 395,600 0.0 1,256 474 0 0 0 25.0 44,520 42,161 1,113,000 1,054,025 2,167,020 0.0 60,401 36,609 0 0 0 0.0 9,691 246 0 0 0 0.0 9,691 246 0 0 0 0.0 9,691 246 0 0 0 0.0 11,979 120 0 0 0 0 0.0 9,691 246 0 0 0 0.0 11,979 120 0 0 0 0 0.0 11,979 120 0 0 0 0 0.0 11,979 120 0 0 0 0 0.0 11,979 120 0 0 0 0 0.0 11,979 120 0 0 0 0 0.0 11,979 120 0 0 0 0 0.0 11,979 120 0 0 0 0 0.0 11,979 120 0 0 0 0 0.0 11,979 120 0 0 0 0 0.0 11,979 120 0 0 0 0 0.0 11,979 120 0 0 0 0 0.0 11,979 120 0 0 0 0 0.0 11,759 2,656 0 0 0 0.0 372,800 137,700 1,491,200 550,800 2,042,00 0.0 1,759 2,656 0 0 295.0 7,507 2,460 2,214,565 725,700 2,940,26 0.0 1,759 2,656 0 0 295.0 7,507 2,460 2,214,565 725,700 2,940,26 0.0 1,417 2,375 0 0		UNIT	QUANTITY	LOCAL	FOREIGN	LOCAL	FOREIGN	TOTAL
30000.0 22 11 660,000 330,000 990,000 0.0 1,792 863 0 0 0 0.0 2,637 1,052 0 0 0 861.0 1,047 522 901,467 449,442 1,350,900 2520.0 3,363 1,347 8,474,760 3,394,440 11,889,200 1440.0 4,622 2,299 6,655,600 3,310,560 9,766,240 12000.0 313 146 3,756,000 1,752,000 5,508,000 0.0 3,728 1,377 0 0 0 0.0 616 595 0 0 0 18000.0 771 936 13,878,000 16,848,000 30,726,000 400.0 870 117 348,000 47,600 395,600 0.0 1,256 474 0 0 0 25.0 44,520 42,161 1,113,000 1,054,025 2,167,02 0.0 60,401 36,609 0 0 0.0 9,691 246 0 0 0.0 9,691 246 0 0 0.0 9,691 246 0 0 0.0 11,979 120 0 0 0 0.0 9,691 246 0 0 0.0 11,979 120 0 0 0 1.0 88,552,118 13,409,943 101,962,06 1.0 88,552,118 13,409,943 101,962,06 1.0 88,552,118 13,409,943 101,962,06 1.0 98,552,118 13,409,943 101,962,06 1.0 1,759 2,656 0 0 295.0 7,507 2,460 2,214,565 725,700 2,940,26 0.0 1,759 2,656 0 0 295.0 7,507 2,460 2,214,565 725,700 2,940,26 0.0 1,759 2,656 0 0 295.0 7,507 2,460 2,214,565 725,700 2,940,26 0.0 1,417 2,375 0 0								
30000.0 22 11 660,000 330,000 990,000 0.0 1,792 863 0 0 0 0.0 2,637 1,052 0 0 0 861.0 1,047 522 901,467 449,442 1,350,900 2520.0 3,363 1,347 8,474,760 3,394,440 11,869,200 1440.0 4,622 2,299 6,655,680 3,310,560 9,766,240 12000.0 313 146 3,756,000 1,752,000 5,508,000 0.0 3,728 1,377 0 0 0 0.0 616 595 0 0 0 18000.0 771 936 13,878,000 16,848,000 30,726,000 400.0 870 117 348,000 47,600 395,600 0.0 1,256 474 0 0 0 25.0 44,520 42,161 1,113,000 1,054,025 2,167,020 0.0 60,401 36,609 0 0 0 0.0 9,691 246 0 0 0 0.0 9,691 246 0 0 0 0.0 9,691 246 0 0 0 0.0 11,979 120 0 0 0 0 0.0 9,691 246 0 0 0 0.0 11,979 120 0 0 0 0 0.0 11,979 120 0 0 0 0 0.0 11,979 120 0 0 0 0 0.0 11,979 120 0 0 0 0 0.0 11,979 120 0 0 0 0 0.0 11,979 120 0 0 0 0 0.0 11,979 120 0 0 0 0 0.0 11,979 120 0 0 0 0 0.0 11,979 120 0 0 0 0 0.0 11,979 120 0 0 0 0 0.0 11,979 120 0 0 0 0 0.0 11,979 120 0 0 0 0 0.0 11,759 2,656 0 0 0 0.0 372,800 137,700 1,491,200 550,800 2,042,00 0.0 1,759 2,656 0 0 295.0 7,507 2,460 2,214,565 725,700 2,940,26 0.0 1,759 2,656 0 0 295.0 7,507 2,460 2,214,565 725,700 2,940,26 0.0 1,417 2,375 0 0	Site Clearance in Light Bush	82	0.0	173	91	٨	٨	i
0.0 1,792 883 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Subgrade Preparation	=2					•	
0.0 2,637 1,052 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Normal Fill	- 3						
861.0 1,047 522 901,467 449,442 1,350,900 2520.0 3,363 1,347 8,474,760 3,394,440 11,889,200 1440.0 4,622 2,299 6,655,680 3,310,560 9,966,240 12000.0 313 146 3,756,000 1,752,000 5,508,000 0.0 3,728 1,377 0 0 0 0.0 616 595 0 0 18000.0 771 936 13,878,000 16,848,000 30,726,000 400.0 870 119 348,000 47,600 395,600 0.0 1,256 474 0 0 0 25.0 44,520 42,161 1,113,000 1,054,025 2,167,020 0.0 60,401 36,609 0 0 0 0.0 9,691 246 0 0 0 0.0 9,691 246 0 0 0 0.0 11,779 120 0 0 0 0 0.0 11,779 120 0 0 0 0 1.0 88,552,118 13,409,943 101,962,061 1.0 88,552,118 13,409,943 101,962,061 1.0 88,552,118 13,409,943 101,962,061 1.0 10 0 0 Sub Total 124,620,945 40,670,749 165,291,899 4.0 372,800 137,700 1,491,200 550,800 2,042,000 Sub Total 2,053,888 579,792 2,633,685 0.0 1,759 2,656 0 0 295.0 7,507 2,460 2,214,565 725,700 2,940,266 0.0 4,417 2,375 0 0	Fill in Swamp	a3				_		
2520.0 3,363 1,347 8,474,760 3,394,440 11,889,201 1440.0 4,622 2,299 6,655,680 3,310,560 9,766,241 12000.0 313 146 3,756,000 1,752,000 5,508,001 0.0 3,728 1,377 0 0 0.0 616 595 0 0 18000.0 771 936 13,878,000 16,848,000 30,726,000 400.0 870 119 349,000 47,600 395,600 0.0 1,256 474 0 0 0.0 1,256 474 0 0 0.0 6,401 36,609 0 0 0.0 9,691 246 0 0 0.0 9,691 246 0 0 0.0 1,479 120 0 0 0.0 11,979 120 0 0 11,979 120 0 0 0 11,079 120 0 0 0 11,079 120 0 0 0 11,079 120 0 0 0 11,079 120 0 0 0 11,0 88,552,118 13,409,943 101,762,06 1.0 88,552,118 13,409,943 101,762,06 1.0 10,413 124,620,945 40,670,749 165,291,69 18,693,141 6,100,612 24,793,75 101AL COST 143,314,086 46,771,361 190,085,44	Normal Excavation to Spoil	a3				•	•	1 100 000
1440.0	Sub Base Course	- a3					•	
12000.0 313 146 3,756,000 1,752,000 5,508,00 0.0 3,728 1,377 0 0 0.0 616 595 0 0 18000.0 771 936 13,878,000 16,848,000 30,726,00 400.0 870 119 348,000 47,600 395,60 0.0 1,256 474 0 0 25.0 44,520 42,161 1,113,000 1,054,025 2,167,02 0.0 60,401 36,609 0 0 0.0 9,691 246 0 0 6.4 44,050 11,678 291,920 74,737 356,65 0.0 11,979 120 0 0 1.0 88,552,118 13,409,943 101,962,06 1.0 88,552,118 13,409,943 101,962,06 1.0 88,552,118 13,409,943 101,962,06 1.0 10 0 Sub Total 124,620,945 40,670,749 165,291,69 18,693,141 6,100,612 24,793,75 18,693,141 6,100,612 24,793,75 18,693,141 6,100,612 24,793,75 18,693,141 6,100,612 24,793,75 0.0 1,759 2,656 0 0 295.0 7,507 2,460 2,214,565 725,700 2,940,26 0.0 4,417 2,375 0 0	Base Course	# 3		•	•			
0.0 3,728 1,377 0 0 0 0 18000.0 0 1816 595 0 0 0 18000.0 771 936 13,878,000 16,848,000 30,726,000 400.0 870 119 348,000 47,600 395,60 0.0 1,256 474 0 0 0 25.0 44,520 42,161 1,113,000 1,054,025 2,167,02 0.0 60,401 36,609 0 0 0 0 0 0.0 9,691 246 0 0 0 64.4 44,050 11,678 291,920 74,737 356,65 0.0 11,979 120 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shoulder	#3 #2			•			
0.0 616 595 0 0 0 18000.0 771 936 13,878,000 16,848,000 30,726,000 400.0 870 119 348,000 47,600 395,600 0.0 1,256 474 0 0 0 25.0 44,520 42,161 1,113,000 1,054,025 2,167,02 0.0 60,401 36,609 0 0 0 0 0 0.0 9,691 246 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Asphalt Patching	, 7						5,508,00
18000.0 771 936 13,878,000 16,848,000 30,726,000 400.0 870 119 348,000 47,600 395,600 0.0 1,256 474 0 0 0 25.0 44,520 42,161 1,113,000 1,054,025 2,167,02 0.0 60,401 36,609 0 0 0 0.0 9,691 246 0 0 0 6.4 44,050 11,678 291,920 74,737 356,65 0.0 11,979 120 0 0 0 1.0 88,552,118 13,409,943 101,962,06 1.0 88,552,118 13,409,943 101,962,06 1.0 10 0 0 Sub Total 124,620,945 40,670,749 165,291,69 4.0 372,800 137,700 1,491,200 550,800 2,042,00 Sub Total 2,053,888 579,792 2,633,68 584.0 6,882 1,232 4,019,088 719,488 4,738,57 0.0 1,759 2,656 0 0 295.0 7,507 2,460 2,214,565 725,700 2,940,26 0.0 4,417 2,375 0 0		#2			,	0	•	
400.0 870 119 348,000 47,600 395,600 0.0 1,256 474 0 0 0 25.0 44,520 42,161 1,113,000 1,054,025 2,167,020 0.0 60,401 36,609 0 0 0 0.0 9,691 246 0 0 0 6.4 44,050 11,678 281,920 74,739 356,650 0.0 11,979 120 0 0 0 1.0 88,552,118 13,409,943 101,962,060 1.0 88,552,118 13,409,943 101,962,060 1.0 88,552,118 13,409,943 101,962,060 1.0 124,620,945 40,670,749 165,291,690 Sub Total 124,620,945 40,670,749 165,291,690 18,693,141 6,100,612 24,793,750 143,314,086 46,771,361 190,085,440 4.0 140,672 7,248 562,688 28,992 591,680 4.0 372,800 137,700 1,491,200 550,800 2,042,000 Sub Total 2,053,888 579,792 2,633,680 584.0 6,882 1,232 4,019,088 719,488 4,738,570 0.0 1,759 2,656 0 0 295.0 7,507 2,460 2,214,565 725,700 2,940,260 0.0 4,417 2,375 0 0	Surface Dressing (Single)	e 2				0	. ()	
0.0 1,256 474 0 0 0 25.0 44,520 42,161 1,113,000 1,054,025 2,167,025 0.0 60,401 36,609 0 0 0 0.0 9,691 246 0 0 0 0 6.4 44,050 11,678 281,920 74,737 356,655 0.0 11,979 120 0 0 0 1.0 88,552,118 13,409,943 101,962,061 1.0 0 0 0 Sub Total 124,620,945 40,670,749 165,291,694 18,693,141 6,100,612 24,793,755 **YOTAL COST 143,314,086 46,771,361 190,085,445 4.0 372,800 137,700 1,491,200 550,800 2,042,000 Sub Total 2,053,888 579,792 2,633,680 584.0 6,882 1,232 4,019,088 719,488 4,738,576 0.0 1,759 2,656 0 0 295.0 7,507 2,460 2,214,565 725,700 2,940,266 0.0 4,417 2,375 0 0	Surface Dressing (Double)	e2		-	936	13,878,000	16,848,000	30,726,000
25.0 44,520 42,161 1,113,000 1,054,025 2,167,025 0.0 60,401 36,609 0 0 0 0.0 9,691 246 0 0 0 6.4 44,050 11,679 291,920 74,737 356,65 0.0 11,979 120 0 0 0 1.0 88,552,118 13,409,943 101,962,06 1.0 88,552,118 13,409,943 101,962,06 1.0 124,620,945 40,670,749 165,291,694 18,693,141 6,100,612 24,793,75 101AL COST 143,314,086 46,771,361 190,085,44 4.0 140,672 7,248 562,689 28,992 591,689 4.0 372,800 137,700 1,491,200 550,800 2,042,000 Sub Total 2,053,889 579,792 2,633,689 584.0 6,882 1,232 4,019,088 719,488 4,738,57 0.0 1,759 2,656 0 0 295.0 7,507 2,460 2,214,565 725,700 2,940,260 0.0 4,417 2,375 0 0	Earth Drain	ŧ	400.0	870	119	348,000	47,600	395,60
0.0 60,401 36,609 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Earth Drain in Swamp (by machine)	a 3	0.0	1,256	474	0	. 0	· · · · · · · · · · · · · · · · · · ·
0.0 60,401 36,609 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Pipe Culvert D80cm		25.0	44,520	42,161	1,113,000	1,054,025	2,167,02
0.0 9,691 246 0 0 0 6.4 44,050 11,678 291,920 74,737 356,65 0.0 11,979 120 0 0 0 1.0 88,552,118 13,409,943 101,962,06 1.0 0 0 Sub Total 124,620,945 40,670,749 165,291,69 18,693,141 6,100,612 24,793,75 101AL COST 143,314,086 46,771,361 190,085,44 4.0 140,672 7,248 562,688 28,992 591,68 4.0 372,800 137,700 1,491,200 550,800 2,042,00 Sub Total 2,053,888 579,792 2,633,68 584.0 6,882 1,232 4,019,088 719,488 4,738,57 0.0 1,759 2,656 0 0 295.0 7,507 2,460 2,214,565 725,700 2,940,26 0.0 4,417 2,375 0 0	Hasonry Culvert (80x80cm)		0.0	60,401	36,609	_	· · ·	
0.0 11,979 120 0 0 0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	Retaining Wall and Wing Wall (Timber)	m2	0.0		246	0	0	
0.0 11,979 120 0 0 0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	Retaining Wall and Wing Wall (Wasonry)	63	6.4	14,050	11,679	281.920	74.739	354.45
1.0	Gabion Protection	ъЗ			•		-	
1.0 0 0 0	New Bridge (Timber)	SET		•		-	-	An . CAP . Int
18,673,141 6,100,612 24,793,75 ***********************************	New Bridge (Concrete)	SET					• •	1011101100
18,693,141 6,100,612 24,793,755 ***YOTAL COST*** 143,314,086 46,771,361 190,085,445 4.0 140,672 7,248 562,688 28,992 591,686 4.0 372,800 137,700 1,491,200 550,800 2,042,000 Sub Total 2,053,888 579,792 2,633,688 584.0 6,682 1,232 4,019,088 719,488 4,738,576 0.0 1,759 2,656 0 0 295.0 7,507 2,460 2,214,565 725,700 2,940,266 0.0 4,417 2,375 0 0 Earthwork & Pavezent Unit Cost (Rp/Km) : 18,207,266	•			Sub Total		124,620,945	40,670,749	165,291,69
#OTAL COST 143,314,086 46,771,361 190,085,44 4.0 140,672 7,248 562,688 28,992 591,68 4.0 372,800 137,700 1,491,200 550,800 2,042,00 Sub Total 2,053,888 579,792 2,633,68 584.0 6,882 1,232 4,019,088 719,488 4,738,57 0.0 1,759 2,656 0 0 295.0 7,507 2,460 2,214,565 725,700 2,940,26 0.0 4,417 2,375 0 0 Earthwork & Pavezent Unit Cost (Rp/Ka) : 18,207,26			•					
4.0 140,672 1,248 562,688 28,992 591,68 4.0 372,800 137,700 1,491,200 550,800 2,042,00 Sub Total 2,053,888 577,792 2,633,68 584.0 6,882 1,232 4,019,088 719,488 4,738,57 0.0 1,759 2,656 0 0 295.0 7,507 2,460 2,214,565 725,700 2,940,26 0.0 4,417 2,375 0 0 Earthwork & Pavezent Unit Cost (Rp/Ks) : 18,207,26	Overhead (15%)					19,693,141	6,100,612	24,793,75
4.0 372,800 137,700 1,491,200 550,800 2,042,00 Sub Total 2,053,888 577,792 2,633,68 584.0 6,882 1,232 4,019,088 719,488 4,738,57 0.0 1,759 2,656 0 0 295.0 7,507 2,460 2,214,565 725,700 2,940,26 0.0 4,417 2,375 0 0 Earthwork & Pavezent Unit Cost (Rp/Ks) : 18,207,26				TOTAL COST		143,314,086	46,771,361	190,085,44
4.0 372,800 137,700 1,491,200 550,800 2,042,00 Sub Total 2,053,888 577,792 2,633,68 584.0 6,882 1,232 4,019,088 719,488 4,738,57 0.0 1,759 2,656 0 0 295.0 7,507 2,460 2,214,565 725,700 2,940,26 0.0 4,417 2,375 0 0 Earthwork & Pavezent Unit Cost (Rp/Ks) : 18,207,26		~						
Sub Total 2,053,888 577,792 2,633,686 584.0 6,882 1,232 4,019,088 719,488 4,738,57 0.0 1,759 2,656 0 0 295.0 7,507 2,460 2,214,565 725,700 2,940,26 0.0 4,417 2,375 0 0 Earthwork & Pavezent Unit Cost (Rp/Ks) : 18,207,26	Manual routine maintenance of road	K.a.	4.0	•	•		•	-
584.0 6,882 1,232 4,019,088 719,488 4,738,57 0.0 1,759 2,656 0 0 295.0 7,507 2,460 2,214,565 725,700 2,940,26 0.0 4,417 2,375 0 0 Earthwork & Pavezent Unit Cost (Rp/Ks) : 18,207,26	Routine maintenance of asphalt road	Ke	4.0	372,B00	137,700			2,042,00
0.0 1,759 2,656 0 0 295.0 7,507 2,460 2,214,565 725,700 2,940,26 0.0 4,417 2,375 0 0 Earthwork & Pavesent Unit Cost (Rp/Ks) : 18,207,26			*	Sub Total		2,053,889	577,792	2,633,68
295.0 7,507 2,460 2,214,565 725,700 2,940,26 0.0 4,417 2,375 0 0 Earthwork & Pavesent Unit Cost (Rp/Ks) : 18,207,26	Kaintenance of Timber Oridge (New)	* 2	581.0	6,882	1,232	4,019,088	719,489	4,738,57
0.0 4,417 2,375 0 0 Earthwork & Pavesent Unit Cost (Rp/Ks) : 18,297,26	Naintenance of Concrete Bridge (New)	. a2	0.0	1,759	2,656	. 0	0	
0.0 4,417 2,375 0 0 Earthwork & Pavesent Unit Cost (Rp/Ks) : 18,297,26	Haintenance of Timber Bridge (Exist)	n2	295.0	7,507	2,460	2,214,565	725,700	2,940,26
• • • • • • • • • • • • • • • • • • • •		a 2	0.0	4,417	2,375	0	0	
Concrete Bridge Unit Cost (Rp/m2) : Survived Value (Rp) :	Routine maintenance of asphalt road Haintenance of Timber Oridge (New) Haintenance of Concrete Oridge (New) Haintenance of Timber Oridge (Exist) Haintenance of Concrete Oridge (Exist)	#2 #2 #2	581.0 0.0 295.0	Sub Total 6,882 1,759 7,507 4,417 Earthwork & Timber Concrete	1,232 2,656 2,460 2,375 Pavement U Bridge U Bridge U	2,053,888 4,019,088 0 2,214,565 0 ait Cost (nit Cost (577,792 719,488 0 725,700 0 Rp/Km): Rp/m2): Rp/m2):	
	·		•	Haintenance	Rate withou	t Bridge	(X) :	3.6
Maintenance Rate without Bridge (1) : 3.6	•			Hew Bridge	Cost Rate		(7.)	61.6

PROV : KALIMANTAN SELATAN

KAB : BANJAR

LINK NO : 40 (1118-1)

LENGTH : 7 Km

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

		:				1.324	(Rp)
1188				cos1 >>>	((((>>>>>
	UNIT	PTITHAUD	LOCAL	FOREIGN	LOCAL	FOREIGN	TOTAL
Site Clearance in Light Bush	s 2	17000.0	173	. : 91	2,941,000	1,547,000	4,488,000
Subgrade Preparation	•2	0.0	22	ii	0	0	. (
formal Fill	a3	0.0	1,792	692	, å	ò	(
ill in Swamp	. m3	0.0	2,637	1,052	Ô	Ò	1
formal Excavation to Spoil	a 3	2380.0	1,047	\$22	2,491,860	1,242,360	3,734,22
Oub Base Course	a3	1994.5	3,363	1,347	6,337,573	2,538,121	8,875,99
lase Course	£3	1960.0	4,622	2,299	9,059,120	4,506,040	13,565,16
houl der	a2.	21000.0	313	146	6,573,000	3,066,000	9,639,00
sphalt Patching	•2	0.0	3,728	1,377	0	010001004	7,007,100
birface Dressing (Single)	B 2	28000.0	. 616	595	17,248,000	14,660,000	33,908,00
Surface Dressing (Double)	. 2	0.0	771	736		0	001100160
arth Drain		3500.0	870	119	3,045,000	416,500	3,461,50
arth Drain in Swamp (by machine)	a 3	0.0	1,258	474	0,013,000	סטבוסור	יייניוטרןט
ipe Culvert DBOce		18.0	14,520	42,161	801,360	758,898	1,560,25
(asonry Culvert (80x80cm)		0.0	60,401	36,609	0	0.00,000	1100150
retaining Hall and Ming Hall (Timber)	2	0.0	9,491	246	. 0	Ŏ	
etaining Wall and Wing Wall (Masonry)	e3	3.2	44,050	11,678	140,960	37,369	178,32
abion Protection	io Es		11,979	120	144,100	31,301	malar
anson rrocection ex Bridge (Timber)		0.0	11,177	114	0		
em Bridge (Concrete)	SET SET				V	. 0	
en Brinde (Concrete)	951	1.0			v	v	
			Sub Total		48,637,873	30,772,588	79,410,46
verhead (15%)					7,295,680	4,615,888	11,911,56
			TOTAL COST		55,933,553	35,308,476	91,322,02
					~~~		
anual routine maintenance of road	Κa	7.0		7,248	984,704	50,736	1,035,44
outine maintenance of asphalt road	Ku	7.0		137,700	2,409,600	963,900	3,573,50
			Sub Total	:	3,594,304	1,014,536	4,608,94
aintenance of Timber Bridge (New)	<b>a</b> 2	0.0	6,882	1,232	0.	0	1
aintenance of Concrete Bridge (Kew)	. e2	0.0	1,759	2,656	0	0	
aintenance of Timber Bridge (Exist)	<b>s</b> 2	107.0	7,507	2,460	803,249	263,220	1,066,46
aintenance of Concrete Bridge (Exist)	<b>a</b> 2	0.0	4,417	2,375	. • 0	0	
				Pavement Un			13,046,00
				•	it Cost (Rp/		• -
					it Cost (Rp/		
				Yalue		{p} :	8,926,22
•				Rate without	•		5.0
			Hen Bridge	Cost Hate	(1	()	

PROV : KALIMANTAN SELATAN KAD : TABALONG

LINK NO : 89 (IIIC) LENGTH : 4 Km

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

	******							
ITEK			DHAUTAYU		T COST >>>	-		>>>>>
		11KU	QUANTITY	LOCAL	FOREIGN	LOCAL	FOREIGN	1101
Site Clearance i	in Linht Burh	-0						
Subgrade Prepara		<b>s</b> 2		174	91	174,000	91,000	265,00
Normal Fill	161011	a2		22	11	528,000	264,000	792,00
•	•	#3	• • •	1,796	863	0	0	
Fill in Swamp		e3		2,656	1,052	5,776,800	2,288,100	8,064,90
Normal Excavatio		£a		1,051	522	3,640,664	1,808,208	5,448,8
Sub Pase Course		. a3		3,379	1,347	8,650,240	3,448,320	12,098,5
Base Course		. a3		4,637	2,299	0	0	
Shoul der		m2	8000.0	314	146	2,512,000	1,168,000	3,680,0
Asphalt Patching		m2		3,900	1,377	0	0	
Surface Dressing		a2	0.0	621	595	0	0	
Surface Dressing	•	. a2	0.0	177	936	.0	. 0	
•	grant som grant	- 9	6000.0	939	119	5,634,000	714,000	6,34B,0
	Gwamp (by machine)	<b>a</b> 3	15000.0	1,271	474	19,065,000	7,110,000	26,175,0
Pipe Culvert D80	(ca	. j. p	15.0	46,069	51,386	691,035	770,790	1,461,8
Nasonry Culvert		. 2	0.0	63,136	41,554	0	0	-,,-
Retaining Hall a	and Ming Wall (Timber)	) a2	0.0	10,758	246	0	0	
Retaining Wall a	and Wing Wall (Nasonr	yl e3	0.0	46,111	848,11	0	0	
Sabion Protectio		#3		13,146	120	0	Ů	
len Bridge (Ti	aberl	šet			~-	7,785,450	963,880	8,749,3
len Bridge (Co	increte)	SET			. *	0	0	411110
et e				Sub lotat		54,457,189	18,626,278	73,083,40
lverhead (15	<b>32 )</b>					B,168,57B	2,793,944	10,962,5
				TOTAL COST		62,625,767	21,420,742	84,046,0
:				10111		02 10201707	1114501545	07,010,0
lanual routine ø	maintenance of road	. Ko	4.0	152,384	7,248	609,536	28,992	638,5
Routine maintena	once of gravel road	Ke	4.0	203,196	88,047	812,781	352,199	1,164,9
				Sub Total		1,422,320	381,180	1,803,5
laintenance of T	imber Bridge (New)	n2	59.8	7,532	1,121	442,881	65,914	508,7
laintenance of C	ancrete Bridge (New)	я2	0.0	1,864	3,135	0	0	•
	imber Bridge (Exist)	•2	0.0	7,858	2,404	0	0	
Naintenance of C	oncrete Bridge (Exis	t) #2	0.0	4,464	2,471	0	. 0	
		-		Earthwork &	Pavesent Un	uit Cost (Rp/i	Ka) ;	18,498,0
				Jimber		it Cost (Rp/		171.3
				Concrete	•	it Cost (Rp/		,,
				Survived	Value	(R		4,839,4
					Rate without			. 2.
	•			New Bridge		(%		11.9
						• •	•	÷.

PROV

: KALIMANTAN SELATAN

KAB : BANJAR

LINK NO :

38 (IIIB-1) LENGTH : 11 Km

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

ITEH	11M17	VITTHAUD	<>< UNIT	COST >>>	// Local	(<< COST FOREIGH	)))))) Total
	UNIT	ROKULLEL	COCHE	runcium		t Air 101	
Site Clearance in Light Bush	<b>a</b> 2	22000.0	173	91	3,806,000	2,002,000	5,808,00
Subgrade Preparation	m2	7000.0	. 22	ii	154,000	77,000	231,00
Normal Fill	#3	0.0	1,792	863	0	1	200,00
	eu En	0.0	2,637	1,052	0	ñ	
Fill in Swamp	#3 #3			522	3,702,192	1,845,792	5,547,98
Normal Excavation to Spoil	#3	3536.0 3362.5	1,047	1,347	11,308,087	4,529,287	15,837,37
Sub Base Course		3080.0	3,363	•	14,235,760	7,080,920	21,316,69
Pase Course	#3		1,622	2,299		4,818,000	
Shoulder	s7	33000.0	313	146	10,329,000	4.0101000	15,147,00
Asphalt Patching	a2	0.0	3,728	1,377	0	U 150 000	E3 AB2 AA
Surface Dressing (Single)	<b>*</b> 2	44000.0	616	575	27,104,000	26,180,000	53,284,00
Gurface Dressing (Double)	a2	0.0	771	936	0	0	
Earth Drain		22000.0	870	119	19,110,000	2,618,000	21,758,00
Earth Drain in Swamp (by machine)	สรี	0.0	1,256	474	0	0	
Pipe Culvert DBOcm		58.0	44,520	42,161	2,582,160	2,445,339	5,027,49
lasonry Culvert (80x80cm)	. 8	0.0	60,401	36,609	0	0	
Retaining Wall and Wing Wall (Timber)	#2	0.0	9,491	246	0	0	
Retaining Wall and Wing Wall (Masonry)	<b>a</b> 3	12.8	44,050	11,679	563,840	149,478	713,31
Sabion Protection	<b>#</b> 3	0.0	11,979	120	0	0	•
len Bridge (Timber)	SET	1.0			8	0	
len Bridge (Concrete)	SET	1.0			0	0	
· · · · · · · · · · · · · · · · · · ·			Sub Total	.*	72,725,039	51,745,815	144,670,85
Overhead ( 15% )				•	13,938,755	7,761,972	21,700,62
•			•				
			TOTAL COST		106,863,794	59,507,687	166,371,48
	ν.	11 A		i 280			
fanua) routine maintenance of road	Ka Ka	11.0 11.0	140,672 372,800	7,248 137,700	1,547,392 4,100,800	77,728 1,514,700	1,627,17 5,615,50
danua) routine maintenance of road Coutine maintenance of asphalt road	Ka	11.0	140,672 372,800 Sub Total	137,700	1,547,392	77,728 1,514,700 1,574,428	1,627,17 5,615,50
danua) routine maintenance of road Routine maintenance of asphalt road daintenance of Timber Bridge (New)	Ka e2	0.0	140,672 372,800 Sub Total 6,882	137,700	1,547,392 4,100,800 5,848,192	77,728 1,514,700 1,594,428	1,627,12 5,615,50
Nanua) routine maintenance of road Routine maintenance of asphalt road Naintenance of Timber Bridge (New) Naintenance of Concrete Bridge (New)	Ke	0.0 0.0	140,672 372,800 Sub Total 6,882 1,759	137,700 1,232 2,656	1,547,392 4,100,800 5,848,192 0	77,728 1,514,700 1,594,428 0	1,627,12 5,615,50
Nanua) routine maintenance of road Routine maintenance of asphalt road Naintenance of Timber Bridge (New) Naintenance of Concrete Bridge (New) Naintenance of Timber Bridge (Exist)	62 82 82	0.0 0.0 0.0	140,672 372,800 Sub Total 6,882 1,759 7,507	137,700 1,232 2,656 2,460	1,547,392 4,100,800 5,648,192 0 0	77,728 1,514,700 1,594,428	1,627,17 5,615,50
Nanua) routine maintenance of road Routine maintenance of asphalt road Naintenance of Timber Bridge (New) Naintenance of Concrete Bridge (New) Naintenance of Timber Bridge (Exist)	Ke	0.0 0.0	140,672 372,800 Sub Total 6,882 1,759	137,700 1,232 2,656	1,547,392 4,100,800 5,848,192 0	77,728 1,514,700 1,594,428 0	1,627,12 5,615,50
danua) routine maintenance of road Routine maintenance of asphalt road	62 82 82	0.0 0.0 0.0	140,672 372,800 Sub Total 6,882 1,759 7,507	137,700 1,232 2,656 2,460	1,547,392 4,100,800 5,648,192 0 0	77,728 1,514,700 1,594,428 0	1,627,12 5,615,50 7,242,62
Nanua) routine maintenance of road Routine maintenance of asphalt road Naintenance of Timber Bridge (New) Naintenance of Concrete Bridge (New) Naintenance of Timber Bridge (Exist)	62 82 82	0.0 0.0 0.0	140,672 372,800 Sub Total 6,882 1,759 7,507 4,417	137,700 1,232 2,656 2,460 2,375	1,547,392 4,100,800 5,648,192 0 0	77,728 1,514,700 1,594,428 0 0	1,627,17 5,615,50 7,242,67
Nanua) routine maintenance of road Routine maintenance of asphalt road Naintenance of Timber Bridge (New) Naintenance of Concrete Bridge (New) Naintenance of Timber Bridge (Exist)	62 82 82	0.0 0.0 0.0	140,672 372,800 Sub Total 6,882 1,759 7,507 4,417	137,700 1,232 2,656 2,460 2,375	1,547,392 4,100,800 5,648,192 0 0	77,728 1,514,700 1,594,428 0	1,627,17 5,615,50 7,242,67
Nanua) routine maintenance of road Routine maintenance of asphalt road Naintenance of Timber Bridge (New) Naintenance of Concrete Bridge (New) Naintenance of Timber Bridge (Exist)	62 82 82	0.0 0.0 0.0	140,672 372,800 Sub Total 6,882 1,759 7,507 4,417	137,700 1,232 2,656 2,460 2,375	1,547,392 4,100,800 5,648,192 0 0 0	77,728 1,514,700 1,594,428 0 0	1,627,12 5,615,50 7,242,62
Nanua) routine maintenance of road Routine maintenance of asphalt road Naintenance of Timber Bridge (New) Naintenance of Concrete Bridge (New) Naintenance of Timber Bridge (Exist)	62 82 82	0.0 0.0 0.0	140,672 372,800 Sub Total 6,882 1,759 7,507 4,417 Earthwork & Timber	1,7700 1,232 2,656 2,460 2,375 Pavement Un	1,547,392 4,100,800 5,648,192 0 0 0 0	77,728 1,514,700 1,594,428 0 0 0	1,627,12 5,615,50 7,242,62
Nanua) routine maintenance of road Routine maintenance of asphalt road Naintenance of Timber Bridge (New) Naintenance of Concrete Bridge (New) Naintenance of Timber Bridge (Exist)	62 82 82	0.0 0.0 0.0	140,672 372,800 Sub Total 6,882 1,759 7,507 4,417 Earthwork & Timber Concrete	1,7700 1,232 2,656 2,460 2,375 Pavement Un	1,547,392 4,100,800 5,648,192 0 0 0 0	77,728 1,514,700 1,594,428 0 0 0 0 Ro/Ka) : Rp/m2) :	1,627,12 5,615,50 7,242,62 15,124,68
Nanua) routine maintenance of road Routine maintenance of asphalt road Naintenance of Timber Bridge (New) Naintenance of Concrete Bridge (New) Naintenance of Timber Bridge (Exist)	62 82 82	0.0 0.0 0.0	140,672 372,800 Sub Total 6,882 1,759 7,507 4,417 Earthwork & Timber Concrete	1,232 2,656 2,460 2,375 Pavement Un Bridge Un Bridge Un Value	1,547,392 4,100,800 5,648,192 0 0 0 0 0	77,728 1,514,700 1,594,428 0 0 0 0 0 Ro/Ka) :Rp/m2) :Rp/m2)	1,627,12 5,615,50 7,242,62 15,124,68 15,349,49

LINK NO : 36 (IIIA) LENGTH : 12 Km

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

TTER	HH1+	OHAMTETY	((( UNIT			cost (	<b>&gt;&gt;&gt;&gt;&gt;</b>
	1110	QUANTITY	LOCAL	FOREIGN	LOCAL	FOREIGN	TOTA
Site Clearance in Light Bush	a2	0.0	173	01			
Subgrade Preparation	n2	7000.0	22	91	. 0	0	
Normal Fill	<b>a</b> 3	0.0		11	154,000	77,000	521,00
Fill in Swamp	- R3	0.0	1,792	863	. 0	. 0	
Mormal Excavation to Spoil	<b>a</b> 3	2376.0	2,637	1,052	0	0	
Sub Pase Course	e3		1,047	522	2,487,672	1,210,272	3,727,94
Base Course	#3		3,363	1,347	14,457,537	5,790,753	20,248,29
Shoulder		4320.0	1,622	2,299	19,967,040	9,931,680	29,898,72
Asphalt Patching	e2	30000.0	313	146	9,390,000	4,380,000	13,770,00
	<b>a</b> 2	0.0	3,728	1,377	0	0	
Surface Dressing (Single)	•2	0.0	616	-595	0	0	
Surface Dressing (Double)	<b>a</b> 2	54000.0	. 771	936	41,634,000	50,544,000	92,178,00
Earth Drain	R	0.0	870	119	. 0	0	
Earth Drain in Swamp (by machine)	æ3	0.0	1,256	474	0	0	
Pipe Culvert D80cm	8	0.0	44,520	: 42,16}	0	0	
Masonry Culvert (80x80cm)		0.0	60,401	36,609	0	0	
Retaining Hall and King Wall (Timber)	<b>6</b> 2	0.0	9,691	246	0	0	
Retaining Hall and Hing Hall (Masonry)	43	0.0	44,050	11,678	0	0	
Gabion Protection	<b>m</b> 3	0.0	11,979	120	0	0	
New Bridge (Timber)	SET	1.0		<u></u>	0	0	
Hew Dridge (Concrete)	SET	1.0			. 0	0	
			Sub Total		88,090,249	71,963,705	160,053,95
Overhead ( 15% )					13,213,537	10,794,555	24,008,09
			TOTAL COST		101,303,786	82,758,260	184,062,04
danual manking anishmanan at maid	 V.	12 A	140 170	7 240	1 100 ALA	01 671	
Manual routine maintenance of road	Ke	12.0	140,672	7,248	1,688,064	86,976	1,775,04
Routine maintenance of asphalt road	Ka	12.0	372,800	137,700	4,473,600		6,126,00
J 72.4 211			Sub lotai	1. 223	6,161,664	1,739,376	7,901,04
Maintenance of Timber Bridge (New)	97	0.0	6,882	1,232	0	. 0	
Maintenance of Concrete Bridge (New)	<b>#</b> 2	0.0	1,759	2,456	0	0	2 226 12
Maintenance of limber Bridge (Exist)		284.0	•	2,460	2,131,980	698,640	2,830,62
Maintenance of Concrete Bridge (Exist)	•2	0.0	4,417	2,375	0	0	
•			Earthwork &	Pavement Ur	nit Cost (	Rp/Kal :	15,338,50
•			limber	Bridge Ur		Rp/m2) :	•
			Concrete	•		(p/a2) :	
0			-	Value o.		(Rp)	23,673,31
			Maintenance		Bridge	(λ) :	1.2

LINK NO : 1 (IIIA)

LENGTH : 5 Km

UPGRADE : 7.0m road bed, 4.0m road with surface Dressing (2)

ITEN	i i i i i	QUANTITY	CCAL LOCAL	COST >>> FOREIGN	(((((	COST FOREIGN	>>>>> total
			endure.	- TONCION		1000100	
ite Elearance in Light Bush	æ2	2000.0	173	.91	346,000	182,000	528,00
ubgrade Preparation	m2	28000.0	22	11	616,000	309,000	924,00
ormal Fill	e3	0.0	1,792	863	0	0	
ill in Swamp	a3	0.0	2,637	1,052	0	0	
ormal Excavation to Spoil	яŠ	10265.0	1,047	•	10,747,455	5,359,330	16,105,78
ub Base Course	<b>a</b> 3	2398.0		1,347	8,030,844	3,216,636	11,247,40
ase Course	<b>£</b> 3		1,622	2,299	7,395,200	3,678,400	11,073,60
houlder	a2	15000.0	313	146		2,190,000	8,885,00
sphalt Patching	m2	0.0		1,377	0	0	
urface Dressing (Single)	<b>m</b> 2	0.0	616	595	0	0	
urface Dressing (Double)	<b>s</b> 2	20000.0	771	936	15,420,000	18,720,000	34,140,00
arth Drain	e.	400.0	970	116	348,000	47,600	395,60
arth Drain in Swamp (by machine)	<b>a</b> 3	0.0	1,256	474	0	0	0,0,0,
ipe Culvert DBOca		56.0	44,520	12,161	2,493,120	2,361,016	
The state of the s		0.0		36,609	0	210011010	41001110
asonry Culvert (80x80ca)					0	0.	
etaining Wall and Ning Wall (Timber)	e2 -7	0.0	196,9	246	016 -119		
etaining Hall and Hing Hall (Hasonry)	<b>a</b> 3	19.2	44,050	11,678	845,760	224,217	1,069,97
abion Protection	<b>8</b> 3	0.0	11,979	120	0	0	41 401 50
ен Bridge (Tiaber)	SET	1.0			9,918,536	1,576,063	11,494,59
ex Bridge (Concrete)	SET	1.0		<del></del> :	0	0	
		•	Sub Total		60,855,915	37,862,262	98,718,17
verhead ( 15% )					9,128,397	5,679,339	14,807,77
			TOTAL COST		69,981,302	43,541,601	113,525,90
		**********					
anual routine maintenance of road	. Ke		140,672	7,248		36,240	739,6
outine maintenance of asphalt road	K∎	5.0	372,800	137,700	1,864,000	488,500	2,552,5
			Sub Total		2,567,360	724,740	3,272,1
aintenance of Timber Bridge (Kew)	<b>a</b> ?	64.0		1,232	440,448	78,848	519,2
aintenance of Concrete Bridge (New)	<b>#</b> 2		1,759	2,656	. 0	0	
aintenance of Timber Bridge (Exist)	ь2	264.0	7,507	2,460	1,981,848	649,440	2,631,20
aintenance of Concrete Bridge (Exist)	₽2	0.0	4,417	2,375	0	. 0	
, , , , , , , , , , , , , , , , , , ,				<b></b>			<b></b>
			Earthwork &	Paveoent Un	it Cost (Rp/	Ke) :	20,061,4
± 1			Tiaber	Bridge Un	it Cost (Rp/	<b>=2}</b> :	206,5
			Concrete	Bridge Un	it Cost {Rp/	12)	
					4.0		11,766,31
			Survived	Yalue	{R	p) :	11,700,31
			Survived Haintenance				3.1 3.1 11.4

: KALIMANTAN SELATAN KAB :

LINK NO : 27 (IIIA) LENGTH : 6 Km

UPGRADE : 7.0m road bed, 4.0m road with surface Dressing (2)

			·				(Rp)
116#	lmst	MIANTERN		COST >>>		:<<< cos1	>>>>>
	UNE1	YTTHAUD	LOCAL	FOREIGN	LOCAL	FORETGN	101A
Site Ctearance in Light Bush	. <b>a</b> 2	12000.0	173	- 91	2,078,000	1,092,000	3,168,00
Subgrade Preparation	. 02	14000.0	22	11	300,000		462,00
Normal Fill	£a	0.0	1,792	863	0	0	100,000
Fill in Swamp	<b>m3</b>	0.0	2,637	1,052	'n	. 0	
Normal Excavation to Spoil	<b>a</b> 3		1,047	522	2,598,184	•	3,078,58
Sub Base Course	ล์	1638.0	3,363	1,347	5,508,594		7,714,98
Base Course	23		4,622	2,299	8,874,240		13,288,3
Shoulder	m2		313	146	5,634,000	2,628,000	8,262,00
Asphalt Patching	<b>e</b> 2		3,728	1,377	0,400,1000	0	01202100
Surface Dressing (Single)	<b>a</b> 2		616	595	ň	. 0	
Surface Dressing (Double)	e2			936	18,504,000	-	40,968,00
arth Drain			870		10,001,000	25,101,000	10,100,00
Earth Drain in Swamp (by machine)	e3	0.0	1,256	474	0	0	
ipe Culvert D80ca		0.0	•	42,161	-	•	
Masonry Culvert (80x80cm)		0.0	•		0	0	
Retaining Wall and Wing Wall (Timbe			60,401	36,609	0	. 0	
Retaining Wall and Wing Wall (Mason			9,691	246	U	0	
Sabion Protection	•	0.0	44,050	11,678	U	U	
	. R3		11,979	120	0	0	
lex Bridge (Timber)	SET			. ==	0	0	
Hen Bridge (Concrete)	SET	1.0	<b></b>		0	0	
			Sub Total		43,493,018	34,248,850	77,741,88
Overhead (15%)					6,523,952	5,137,327	11,661,27
			TOTAL COST		50,016,970	39,386,177	89,403,14
fanual routine maintenance of road	Kn	6.0	140,672	7,248	844,032	43,498	887,5
Routine maintenance of asphalt road		6.0	372,800	137,700	2,236,800	826,200	3,063,0
			Sub Total	,	3,080,832		3,950,5
laintenance of Timber Bridge (New)	: <b>a</b> ?	0.0		1,232	, , 0	. 0	
laintenance of Concrete Bridge (New			•	2,656	0	. 0	
laintenance of Timber Bridge (Exist			_	2,460	1,456,358	477,240	1,933,5
laintenance of Concrete Bridge (Exi			4,417	2,375	0	-	•
~~~					* <b></b>		
			Earthwork &	Pavenent Un	it Cost (F	Rp/Ka) ;	14,900,5
•						Rp/a2) :	
				-		Rp/#2) :	
				Value		(Rp) :	9,494.0
•			Maintenance		Bridge	(2)	1.4
			New Bridge			(7,)	
			ruge				

LINK NO : 19 (IIIC) LENGTH : 3 Km

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

1 F E 8	44			COST >>>	\\\\		>>>>>
	UNIT	VITTANUO	LOCAL	FOREIGN	LOCAL	FOREIGN	JATOT
Site Clearance in Light Bush	.2	0.0	173	91		0	(
Subgrade Preparation	.2	21000.0	22	11.	462,000	231,000	693,000
Normal Fill	a3	0.0	1,792	862	0 0	201,000	070,000
Fill in Swamp	a 3	0.0	2,637	1,052	ħ	. 0	. (
Normal Excavation to Spoil	± 3	510.0	1,047	522	533,970	266,220	800,190
Sub Base Course	#3	1920.0	3,363	1,347	6,456,960	2,586,240	9,043,200
Base Course	m3		1,822	2,299	0	10001210	110101501
Shoulder	.2	9000.0	313	146	2,817,000	1,314,000	4,131,000
Asphalt Patching	a2	0.0	3,728		V ************************************	1,311,000	1,131,000
Surface Dressing (Single)	n 2	0.0	- 616	1,377 595	o o	. 0.	
Surface Dressing (Double)	.2	0.0	771	936	,	Ô	
Earth Drain		300.0	B70	119	000 115	15 300	יחד גמר
Earth Orain in Swamp (by machine)	# #3	0.0		. 474	261,000 0	35,700 0	298,700
Pipe Culvert D8Ocm	80	200	1,236	12,161	44,520	12,161	86,48
Hasonry Culvert (80x80cm)	5	0.0	60,401	36,609	11,320	72;101	
Retaining Wall and Hing Wall (Timber)	#2	0.0	9,691	246	^	۷	. ,
Retaining Wall and Wing Wall (Masonry)	a3	0.0	44,050	11,678	4	0	ì
Gabion Protection	a3	0.0	11,979	120	0	۸	
Nex Bridge (Timber)	SET	1.0	11,1/7		γ Λ	, (i	. (
New Bridge (Concrete)	138	1.0			0	۷	
usa orrode requereces	961	1.0				v	,
			Sub Total		10,575,450	4,475,321	15,050,77
Overhead (15%)		÷			1,586,317	671,298	2,257,61
			TOTAL COST		12,161,767	5,146,619	17,308,38
			******	7 045	***************		
Manual routine maintenance of road	Κø	3.0	140,672	7,248	422,016	21,744	443,76
Routine maintenance of gravel road	K≢	3.0	202,224	88,047	606,672	264,141	870,81
daintemanne of Tistes M idea (Mr.)	А		Sub Total	: 070	1,029,688	285,885	1,314,57
Haintenance of Timber Bridge (New)	e 2		6,882	1,232	. 0	. 0	
Maintenance of Concrete Bridge (New)	82		1,759	-	0	0	177 70
Maintenance of Timber Bridge (Exist)	# 2	•	7,507	2,160	510,476	167,280	677,75
Haintenance of Concrete Bridge (Exist)	6 2	0.0	4,417	2,375	. 0	0	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Earthwork &	Pavneant III	nit Cost (Rp/)	Y=1 .	5,769,46
							4,101,10
					•		
					nit Cost (Rp/		9 / 23 nn
				Value	R) El cables (1	-	3,617,28
			Maintenance Nov Peidon		t Bridge 12 12		7.6
			New Bridge	COSE NAIL	14) ;	

PROV KALIMANTAN SELATAN

KAB : BANJAR

LINK ND (IIIC)

LENGTH : 8 Km

UPGRADE 6.0m road bed, 3.0m road with surface Subbase Cource

<<< UNIT COST >>> COST **>>>>** UNIT QUANTITY LOCAL FOREIGN LOCAL FOREIGN TOTAL Site Clearance in Light Bush 2000.0 346,000 182,000 Subgrade Preparation 0 **a**2 0.0 27 11 0 . 0 Normal Fill 13 0.0 1,792 863 Fill in Swamp вЗ 0.0 2,637 1,052 A Normal Excavation to Spoil 2500.0 43 2,617,500 1,047 522 1,305,000 3,922,500 Sub Pase Course **a**3 463.5 3,363 1,347 1,558,750 624,334 2,183,084 Base Course ВĴ 1440.0 4,622 2,299 6,655,680 3,310,560 9,966,240 Shoul der e? 24000.0 7,512,000 313 146 3,504,000 11,016,000 Asphalt Patching •2 0.0 3,728 1,377 Surface Dressing (Single) n2 0.0 616 595 Surface Dressing (Double) **a**2 0.0 771 935 Earth Drain . 0.0 870 119 0 Earth Drain in Swamp (by machine) 0.0 1,256 474 0 0 Pipe Culvert DBOca 1,113,000 25.0 42,161 44,520 1,051,025 2,167,025 Masonry Culvert (80x80cm) 0.0 * 60,401 36,609 Retaining Wall and Wing Wall (Timber) 9,691 42 0.0 246 ٥ Retaining Wall and Wing Wall (Masonry) ьš 44,050 11,678 6.4 281,920 74,739 356,659 Gabion Protection аĴ 0.0 11,979 120 0 New Bridge (Timber) SET 1.0 9,416,480 --10,782,040 1,365,552 New Bridge (Concrete) SET 1.0 Sub Total 29,501,338 11,420,210 40,921,548 Overhead (15%) 4,425,200 1,713,031 6,138,231 TOTAL COST 33,926,538 13,133,241 Manual routine maintenance of road 8.0 140,672 7,248 1,125,376 57,984 1,103,360 Routine maintenance of gravel road 8.0 202,224 88,047 1,617,792 704,376 2,327,168 Ke 2,743,168 Sub Total 762,360 3,505,528 6,982 Maintenance of Timber Bridge (New) **a**2 96.0 1,232 660,672 118,272 778,944 Maintenance of Concrete Bridge (New) 0.0 1,759 2,656 0 0 0 1,020,952 334,560 1,355,512 Haintenance of Timber Bridge (Exist) 7,507 2,460 82 136.0 Haintenance of Concrete Bridge (Exist) 4,417 2,375 0.0 Earthwork & Pavement Unit Cost (Rp/Ka) 4,332,554 limber Bridge Unit Cost (Rp/m21 129,160 ; Concrete Bridge Unit Cost (Rp/m2)

Value Survived (Ro) B73,233 . Kaintenance Rate without Bridge (%) t 10.11 New Bridge Cost Rate (X) 26,35

LINK NO : 5 (IIID-1) LENGTH : 3 Km

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

(Rp)

ITEN	UNIT	YTTTHAUD	<<< UNET	COST >>> FOREIGN)) Local	((((COST FOREIGN	>>>>> 101AL
					ng ay ay Per 40 AP 40 M tak ay be 14 ay 14.		
Site Clearance in Light Bush	a 2	0.0	173	91	0	0	
Subgrade Preparation	•2	0.0	22	11	0	0	(
Normal Fill	m3	0.0	1,792	863	0	0	,
Fill in Swamp	a3	0.0	2,637	1,052	0	0	
Normal Excavation to Spoil	e3	1300.0	1,047	522	1,341,100		2,039,70
Sub Base Course	æ3	492.0	3,363	1,347	1,654,596	662,724	2,317,32
Base Course	Ea.	840.0	4,822	2,299	3,882,480		5,813,64
Shoulder	0 2	6000.0	313	146	1,878,000	, -	2,754,00
Asphalt Patching	#2	0.0	3,728	1,377			
Surface Dressing (Single)	m2	12000.0	616	595	7,392,000		14,532,00
Surface Dressing (Double)	n2	0.0	771	936	0		(
Earth Drain	# E	0.0	870	117	Ö		
Earth Drain in Swamp (by machine)	a 3	0.0	1,256	171		0	
Pipe Culvert D80cm	#3 #	0.0	44,520	42,161		0	
• •		0.0		•	۷	0	
Masonry Culvert (80x80cm)	9		80,401	36,609	0	. 0	
Retaining Wall and Wing Wali (Timber)	a 2	0.0	9,691	246	0		
Retaining Hall and Wing Hall (Masonry)	#3	0.0	44,050	11,678	U	0	.1
Gabion Protection	£a	0.0	11,979	120	0	, v	1
Rex Bridge (Tieber)	SET	1.0	**		U	U	
New Bridge (Concrete)	SET	1.0			0	. 0	:
			Sub Total		16,168,176	11,288,484	27,456,66
Overhead (15%)					2,425,226	1,693,272	4,118,49
			TOTAL COST		18,593,402	12,981,758	31,575,15
data 1 and 1 and 1 and 1		7 A	140 175	7 220	122 At	01 944	447 7/
Manual routine maintenance of road	Ke.		140,672	7,248	422,016		
Routine maintenance of asphalt road	Ka	3.0	372,800	137,700	1,118,400		1,531,50
			Sub Total	/ 07-	1,540,416		1,975,26
Maintenance of Timber Bridge (New)	#2	0.0		1,232	0		
Maintenance of Concrete Bridge (Hew)	e2		1,759	2,656	0		
Haintenance of Timber Bridge (Exist)	#2			2,460	840,784		1,116,30
Maintenance of Concrete Dridge (Exist)	02	0.0	4,417	2,375		0	
			Carthuneb 1	Pavement U	ait Cock	Rp/Ka) :	10,525,05
			limber a				101959109
				_			
			Concrete		nit Cast (Ro/a2) ;	9 705 05
				Value	L D_1J	(Rp) :	2,781,05
	-			Rate withou	t Briage	(%) ;	6.2
			New Bridge	Lost Kate		(X) ;	

PROV : KALIMANTAN SELATAN

KAB : BANJAR

LINK NO : 3 (IIIB-1) LENGTH : 10 Km

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

	Resuggiae			1			(Rp)
1 T E H	•		(((UNIT	COST >>>		<<<<< col> cost	>>>>>
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	UNIT	PUANTITY	LOCAL	FORE1GN	LOCA	L FOREIGN	TOTA
Otto Olevene to that much		••••					
Site Clearance in Light Bush	<b>e</b> 2	0.0008	173	91	1,384,00	0 728,000	2,112,00
Subgrade Preparation	ø2 -	0.0	22	11		0 0	
Normal Fill	e3	0.0	1,792	863		0 0	
Fill in Swamp	m3	0.0	2,637	1,052		0 0	
Normal Excavation to Spoil	#3	3400.0	1,047	522	3,559,80	0 1,774,800	5,334,60
Sub Rase Course	Ea	2478.5	3,363	1,347	8,335,19		11,673,73
Base Course	<b>a</b> 3	2800.0	4,622	2,299	12,941,60		19,378,80
Shoul der	<b>6</b> 2	20000.0	313	146	6,260,00		9,180,00
Asphalt Patching	<b>a</b> 2	0.0	3,728	1,377		0 0	
Surface Dressing (Single)	<b>#</b> 2	40000.0	616	595	24,640,00		48,440,00
Surface Dressing (Double)	<b>8</b> 2	0.0	771	936		0 0	,,
Earth Drain		0.0	870	119		0 0	
Earth Drain in Swamp (by machine)	<b>a</b> 3	0.0	1,256	474		0 0	
Pige Culvert DBOca	5	0.0	44,520	42,161		0 0	
Hasonry Culvert (80x80cm)	'a	0.0	60,401	36,609		0 0	
Retaining Wall and Wing Wall (Timber)	e2	0.0	9,691	246		0 0	•
Retaining Wall and Wing Wall (Masonry)	#3		44,050	11,678		0 0	
Gabion Protection	e3	0.0	•	120		0	
New Bridge (Timber)			11,979	120		0 0	
New Bridge (Concrete)	SET SET	1.0 1.0				0 0	
nen brioge toutcreter	JC1	1.0				•	
			Sub Total		57,120,59	5 38,998,539	96,119,13
Overhead ( 15% )					8,589,08	9 5,849,780	14,417,86
			10TAL COST		65,698,69	44,848,319	110,537,00
Nanual routine maintenance of road	Ka	10.0	140,672	7,218	1,406,72		1,479,20
Routine maintenance of asphalt road	Ke	10.0	•	137,700	3,728,00		5,105,00
		•	Sub Total		5,134,72		6,581,20
Haintenance of Timber Bridge (New)	a2	0.0	6,882	1,232		0 0	
Haintenance of Concrete Bridge (Hew)	#2	0.0	1,759	2,656		0 0	
Haintenance of Timber Bridge (Exist)	•2	201.0	7,507	2,460	1,508,90	•	2,003,36
Maintenance of Concrete Bridge (Exist)	<b>a</b> 2	0.0	4,417	2,375		0 0	•
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						*****	
			Earthwork &	Pavegent U	nit Cost	(Rp/Ke) :	11,053,70
			Timber	Bridge U	nit Cost	(Rp/s2) :	
					nit Cost	(Rp/e2) :	
				Value		(Rp) :	12,047,37
			Maintenance	Rate withou	t Bridge	(1) :	5.9
					•	{X} 1	

PROV : KALIMANTAN BELATAN

KAB : BANJAR

LINK NO : 26 (IIIB-2)

LENGTH : 3 Km

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

(Ro

							(Rp)
1 T E N			(/\ UNIT	(( T203	(((((	COST	<b>&gt;&gt;&gt;&gt;&gt;</b>
	UNIT	QUANTITY	LOCAL	FOREIGN	LOCAL	FORE IGN	ATOTA
	_		199		781 224	100 666	enn aa
Site Clearance in Light Bush	<b>#</b> 2	2000.0	173	91	346,000	192,000	528,00
Subgrade Preparation	#2	0.0	27	11	0	0	
Normal Fill	•3	0.0	1,792	863	. 0	Ų	
Fill in Swamp	<b>a</b> 3	0.0	2,637	1,052	0	0	
Hormal Excavation to Spoil	<b>a</b> 3		1,047	522	0	.0, .	
Sub Base Course	#3	428.0	3,363	1,347	1,439,364	576,516	2,015,88
Base Course	<b>a</b> 3	720.0	1,622	2,299	3,327,840	1,655,280	4,983,12
Shoul der	<b>a</b> 2	6000.0	313	146	1,878,000	876,000	2,751,00
Asphalt Patching	۵2	0.0	3,728	1,377	0	0	
Surface Dressing (Single)	#2	0.0		595	. 0	0	
Surface Dressing (Double)	<b>*</b> 2	0.0	771	936	. 0	0	
Earth Drain	· · · · · · · · · · · · · · · · · · ·	0.0	870	117	0	0	
Earth Drain in Swamp (by machine)	a3	0.0	1,256	474	0 .	- 0	
Pipe Culvert D80cm		0.0	44,520	42,161	0	0	
Hasonry Culvert (80x80cm)	#	0.0	60,401	36,609	0	0	
Retaining Wall and Wing Wall (Timber)	<b>#2</b>	0.0	9,691	246	0	. 0	
Retaining Wall and Wing Wall (Hasonry)	e3	0.0	44,050	11,678	. 0	0	
Sabion Protection	aJ	0.0	11,979	120	0	0	
len Bridge (Timber)	SET	1.0	**		Ô	Ö	
lew Bridge (Concrete)	SET	1.0			Ò	. 0	
			Sub Total		6,991,204	3,289,796	10,281,00
verhead (15%)					1,048,680	493,469	1,542,14
			TREAS COOT			-	
		• *	TOTAL COST		9,039,884	3,783,265	11,823,14
					<u>,,</u>	*********	
lanual routine maintenance of road	Ka	3.0	140,672	7,249	422,016	21,744	443,78
toutine maintenance of gravel road	Ko	3.0	202,224	88,047	606,672	764,141	870,81
profession of the second			Sub Total		1,028,689	295,885	1,314,57
aintenance of Timber Bridge (New)	a2	0.0	6,982	1,232	0	0	
aintenance of Concrete Bridge (New)	12	0.0		2,656	0 .	. 0	
laintenance of Timber Bridge (Exist)	<b>#</b> 2	132.0	7,507	2,460	990,924	324,720	1,315,6
aintenance of Concrete Bridge (Exist)	<b>a</b> 2	0.0	4,417	2,375	0	0	
			Earthwork &	Pavement Uni	t Cost (Rp/K	s) ;	3,941,0
			Fimber		t Cost (Rp/a		•
			Concrete		t Cost (Rp/m		
					•		
			Survived	Value .	L Ro	} :	1,007.44
			1	Value Rate without	(Rp Bridge (%)		1,007,94 1.1

(Rp)

LINK ND : 11 (IIIB-1) LENGTH : 8 Km

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

	***		******				
TTEN	1011	******		COST >>>	. (	((((( cost	<b>&gt;&gt;&gt;&gt;&gt;</b>
	UNII	QUANTITY	LOCAL	FOREIGN	Loca	L FORE16K	TOTAL
Site Clearance in Light Bush	#2	0.0	173	91		0 . 0	
Subgrade Preparation	#2	0.0	22	-11		0 0	
Normal Fill	. a3	0.0	1,792	863		0 0	
Fill in Swamp	εš	0.0	2,637	1,052		0 0	
Normal Excavation to Spoil	пß		1,047	522		0 0	
Sub Base Course	<b>a</b> 3	1548.0	3,363	1,347	5,205,92	•	7,291,08
Pase Course	<b>a</b> 3	2240.0		2,299	10,353,28		
Shoulder	42	16000.0	313	116			15,503,04
Asphalt Patching	# 2	0.0	3,728	1,377	5,008,00	0 2,336,000 0	7,344,00
Surface Dressing (Single)	<b>2</b> 2	32000.0	616	595		· .	78 455 66
Surface Dressing (Double)	m2	0.0			19,712,00		38,752,00
Earth Drain			771	736	7 400 00	0 0	7 75 100
Earth Drain in Swamp (by machine)	B m3	4000.0	970	119	3,480,00		3,956,00
Pipe Culvert D80ce		0,0	1,256	474		0 0	N
Hasonry Culvert (80x80cm)	đ	6.0	44,520	42,161	267,12	•	520,08
	. 4	0.0	60,401	36,609		0 0	
Retaining Wall and Wing Wall (Timber)	a2	0.0	196,8	246		0 0	
Retaining Wall and Wing Wall (Masonry)	£3	0.0	44,050	11,678		0 0	
Gabion Protection	#3	0.0		120		0 0	
Hen Bridge (Timber)	SET	1.0				0 0	
New Bridge (Concrete)	5E f	1.0	<u></u>	• :		0 0	
			Sub Total		44,026,32	4 29,339,882	73,366,20
Overhead ( 15% )					6,603,94	8 4,400,982	11,004,93
			TOTAL COST		50,630,27	33,740,864	84,371,13
Manual routine maintenance of road	Ke	8.0	140,672	7,248	1,125,37	6 57,984	1,183,38
Routine maintenance of asphalt road	Ke	8.0	372,800	137,700	2,982,40	004,101,10	4,084,00
			Sub Total		4,107,77	b 1,159,584	5,267,38
Haintenance of Timber Bridge (Hew)	<b>a</b> 2	0.0	6,982	1,232		0 0	
Maintenance of Concrete Bridge (New)	. 62	0.0	1,759	2,656		0 0	
Haintenance of Timber Bridge (Exist)	<b>a</b> 2	56.0	7,507	2,460	420,39	2 137,760	558,15
Maintenance of Concrete Bridge (Exist)	<b>e</b> 2	0.0	4,417	2,375		0 0	
							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
			Earthwork &			(Rp/Km) :	10,546,39
				•	it Cost	(Rp/s2) ;	
			Concrete	Bridge Un	it Cost	(Rp/m2) :	
			Survived	Value		(Rp) :	8,204,36
			Haintenance	Rate without	Bridge	(%) ; (%) ;	6.2

(Rp)

LINK NO : 6 (IIIR-2) LENGTH : 7 Km

UFGRADE : 6.5m road bed, 4.0m road with surface Base Cource

	4						
TTEN		•	CCC UNIT		4	(((C COST	<b>&gt;&gt;&gt;&gt;&gt;</b>
	TIKU	DUANTITY	LOCAL	FOREISH	LOCAL	FOREIGN	TOTA
		· .					-
Site Clearance in Light Bush	<b>#</b> 2	0.0	173	91	0	0	1.0
Subgrade Preparation	m2	0.0	22	11	0	0	
Normal Fill	в3	0,0	1,792	863	0	0	
Fill in Swamp	<b>£</b> 3	0.0	2,637	1,052	. 0	0	
Mormal Excavation to Spoil	<b>a</b> 3	2500.0	1,047	522	2,617,500	1,305,000	3,922,50
Sub Base Course	<b>e</b> 3	1000.0	3,363		3,363,000		4,710,00
Base Course	<b>£</b> 3	1690.0	4,622	2,299	7,761,960		11,627,20
Shoulder	92	17500.0	313	146	5,477,500		8,032,50
Asphalt Patching	•2	0.0	3,728	1,377	0	. 0	
Surface Oressing (Bingle)	<b>a</b> 2	0.0	616	595	0	0	1 N
Surface Dressing (Double)	92	0.0	771	936	0	0	
Earth Drain	8	0.0	870	119	0	0	
Earth Drain in Swamp (by machine)	<b>6</b> 3	0.0	1,256	474	0	0	
Pipe Culvert DBOca		0,0	44,520	42,161	.0	0	
Masonry Culvert (80x80cm)		0.0	60,401	36,607	0	. 0	•
Retaining Hall and Wing Wall (Timber)	a2	0.0	9,691	246	0	. 0	
Retaining Wall and Wing Wall (Masonry)	<b>#</b> 3	0.0	44,050	11,678	0	0	• •
Gabion Protection	- #3	0.0	11,979	120	0	0	• •
New Bridge (Timber)	SET	1.0			0	0	
New Bridge (Concrete)	SET	1.0	, <del>- *</del>		. 0	0	
•	-		Sub Total		19,222,960	9,069,320	28,292,20
Overhead (15%)					2,883,444	1,360,399	4,243,8
, , , , , , , , , , , , , , , , , , , ,					•	. •	
			TOTAL COST		22,106,404	10,429,718	32,538,1
			:		nn4 74.		1 ATE 1
Manual routine maintenance of road	Ka.	7.0	•	7,248	984,704		1,035,1
Routine maintenance of gravel road	Ke	7.0	202,224	88,047	1,415,568	616,329	2,031,8
fillers of Birks Brides (N. d.	-4		Sub Total	1 577	2,400,272	667,065	3,067,3
faintenance of limber Bridge (New)	e2	0.0	6,882	1,237	Ų	0	
laintenance of Concrete Bridge (New)	<b>a</b> 2	0.0	1,759	2,656	705 740	. 0	1 451 5
faintenance of Timber Bridge (Exist)	*2	106.0	7,507	2,460	795,742	260,760	1,056,5
daintenance of Concrete Bridge (Exist)	42	0.0	4,417	2,375	v	. U	
			Earthwork &	Payenent Un		Rp/Ka) :	4,648,0
			Timber			Rp/#2} :	
•			Concrete	Bridge Un		Rp/#2) :	
•				Value	*	(Rp) :	2,355,0
			Maintenance	Rate without	: Bridge	(X) :	9.
			New Bridge	Cost Rate		(I) ;	

LINK NO : 4 (IIIA) LENGTH : 11 Km

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

en de la companya de					ŧ		(Ap)
11 E H	UNET	QUANTITY	<<< UNIT	COST >>> Foreton	LOCAL	((((C COST FOREIGN	>>>>> TOTAL
						************	
Site Clearance in Light Bush	•2	0.0	173	٩١		n .	
Subgrade Preparation	a2	0.0	22	11		, ,	
Hormal Fill	e3		1,792	863			•
Fill in Swamp	2a	. ***	2,637			v v	
Normal Excavation to Spoil	e3		1,047	1,052		U U	
Sub Base Course	#3			522	11,977,68		17,949,36
Pase Course	a3		3,363	1,347	12,545,67		17,570,65
Shoulder	#3 #2		1,622	2,299	10,303,12		27,407,16
Asphalt Patching			313	146	10,329,00		15,147,00
Surface Dressing (Single)	<b>9</b> 2		3,728	1,377		0 0	
	e2	0.0	616	595		0 0	
Surface Dressing (Double)	m2	49500.0	771	936	38,164,50	0 46,332,000	84,496,50
Earth Drain		0.0	870	119		0 0	
Earth Drain in Swamp (by machine)	<b>a</b> 3	0.0	1,256	474		0	
Pipe Culvert DBOce		105.0	44,520	42,561	4,674,60	0 4,426,905	9,101,50
Hasonry Culvert (80x80cm)		0.0	60,401	36,609		0 0	
Retaining Hall and Wing Hall (Tieber)	<b>a</b> 2	0.0	9,691	246	1	0 0	
Retaining Wall and Wing Wall (Masonry)	a3	28.8	44,050	11,678	1,268,64	0 336,328	1,604,98
Gabion Protection	a3	0.0	11,979	120		0 0	,,
New Bridge (Timber)	SET	1.0				0 0	
New Bridge (Concrete)	SET	1.0			ı	0 0	
			Sub Total		97,263,21	1 76,013,934	173,277,11
Overhead ( 15% )					14,589,48	11,402,090	25,991,57
	•	•	TOTAL COST		111,852,69	2 87,416,024	199,269,71
	r			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Manual routine maintenance of road	Ka	11.0	140,672	7,248	1,547,39	2 79,728	1,627,17
Routine maintenance of asphalt road	Ke	11.0	372,800	137,700	4,100,80	0 1,514,700	5,615,50
			Sub Total		5,648,19	2 1,594,428	7,242,62
Haintenance of Timber Bridge (Hem)	n2	0.0	6,882	1,232	1	0	
Haintenance of Concrete Bridge (New)	<b>a</b> 2	0.0	1,759	2,656		0 • 0	
Maintenance of Timber Bridge (Exist)	a2	602.0	7,507	2,460	4,519,21	4 1,480,920	6,000,13
Maintenance of Concrete Bridge (Exist)	42			2,375		0	
			Earthwork &			(Rp/Km) ;	18,115,33
				. *		(Rp/#2) ;	
					nit Cost	(Rp/s2) ;	DO 000 31
				Value		(Rp) ;	20,908,31
•			Naintenance		t Bridge	(2)	3.6
			New Bridge	Cost Rate		(%)	

LINK NO : 35 (IIIA) LENGTH : 6 Km

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

ITEM	UNIT	QUANTITY	<<< UNIT	COST >>> FOREIGN	(((( LOCAL		<b>&gt;&gt;&gt;&gt;&gt;</b>
	UNIT	YTTTHAUD	1 OCAL:	Enge (PM	1.0081	FARFIAN	
					LUGHL	FOREIGN	A101
ite Clearance in Light Bush	<b>»</b> ?	0,0	173	91	٥	0	. 1
obgrade Preparation	s 2		22	11		ò	
ormal fill	m3		1,792	863	. 0	ò	
ill in Swamp	£3		2,637	1,052	n	ů	
•	#3		1,047	522	1,478,364	737,064	2,215,42
ormal Excavation to Spoil	ms m3			1,347	6,779,008		9,495,36
ub Base Course	_		3,363		9,983,520		14,949,36
ase Course	#3 -2		4,622	2,299		4,965,840	
houlder	e2		313	146	4,695,000	2,170,000	6,885,00
sphalt Patching	m2		3,728	1,377	0	0	
urface Dressing (Single)	<b>a</b> 2	and the second of	616	595	9	V	** AGG AG
urface Dressing (Double)	<b>4</b> 2		771	936	20,817,000	25,272,000	46,089,00
arth Drain	R		870	119	0	Q	
arth Drain in Swamp (by machine)	<b>a</b> 3		1,256	474	0	0	
ipe Culvert DBOca		0.0	44,520	42,161	0	0	
asonry Culvert (80x80cm)	. #	0.0	101,03	36,609	0	0	
etaining Hall and Hing Wall (Timber)	<b>a</b> 2	0.0	9,691	246	- <b>G</b>	. 0	
etaining Hall and Hing Hall (Hasonry)	<b>#</b> 3	0.0	44,050	11,678	0	. 0	
abion Protection	#3	0.0	11,979	120	. 0	0	
ew Bridge (limber)	SET	1.0			4,053,288	605,610	4,659,89
em Bridge (Concrete)	SEI	1.0	· · ·		0	0	
			Sub Total	•	47,806,980	36,486,066	84,293,04
verhead (15%)					7,171,047	5,472,909	12,643,95
			TOTAL COST		54,978,027	41,958,975	98,937,00
				9 Mar hay the Tay was day Tay Tay Tay Tay Tay Tay Tay Tay	** ** ** ** ** ** ** ** ** ** ** ** **		
anual routine maintenance of road	Ka		140,672	7,248	811,032	43,488	887,5
outine maintenance of asphalt road	Ke	6.0	372,800	137,700	2,236,800	826,200	3,063,0
			Sub Total		3,080,832	883, 988	3,750,53
aintenance of Timber Bridge (Hew)	æ2	32.0	6,892	1,232	220,224	39,424	259,6
aintenance of Concrete Bridge (New)	<b>a</b> 2	0.0	1,759	2,656	0	- 0	
aintenance of Timber Bridge (Exist)	52	270.0	7,507	2,460	2,026,890	664,200	2,691,0
aintenance of Concrete Bridge (Exist)	·; @2	0.0	4,417	2,375	0	. 0	
			Earthwork &			5/Km) → ±	15,263,2
						o/m2) :	167,4
			Cancrete	Bridge Un	it Cost (R	)/#2) :	
•			4				
			Survi ved	Value		(Rp) :	11,333,67
			Survi ved				11,333,67 4,3 5.5

LINK NO : 24 (IIIA) LENGTH : 6 Km

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

ITEH		41.1		COST >>>	<b>///</b>	<<< cost	) <b>&gt;&gt;&gt;</b> >
***************************************	UNIT	PTITHAUD	LOCAL	FORELGN	LOCAL	FOREIGN	YOYA
							******
Site Clearance in Light Bush	a2	0.0	173	91	0	0	
Subgrade Preparation	e2	0.0	27	11	0	ů	ì
Normal Fill	<b>*</b> 3	0.0	1,792	863	0	ů.	
Fill in Swamp	. a3	0.0	2,637	1,052	Ò	. 0	
Normal Excavation to Spoil	#3	3707.0	1,047	522	3,091,229	1,935,054	5,816,28
Sub Dase Course	ža	834.0	3,363		2,811,468	1,126,092	3,937,56
9ase Course	<b>a</b> 3		4,622	2,299	8,974,240	4,414,080	
Shoulder	<b>s</b> 2	12000.0	313		3,756,000		13,288,320
Asphalt Patching	<b>£</b> 2	0.0	3,728	1,377	211201600	1,752,000	5,508,000
Surface Dressing (Single)	a2	0.0	616	595	. 0	. 0	
Surface Dressing (Double)	e2		771	936	•	-	10 010 000
Earth Drain		0.0	870	119	10,504,000	22,464,000	40,968,000
Earth Drain in Swamp (by machine)	a3	0.0	1,256	474		Û	
Pipe Culvert DBOca	9	0.0	44,520	42,161	. 0	0	(
Masonry Culvert (80x80cm)	0	0.0	60,401	36,609	e e	. 0	(
Retaining Wall and Wing Wall (Timber)	a2	0.0	9,691	246	0	. V	ŧ (
Retaining Wall and Wing Wall (Masonry)	a3		44,050	11,678	0	0	
Gabion Protection	83	0.0	11,979	120	0	0	. (
New Bridge (Timber)	SET	1.0	11,1/1		0	0	
New Bridge (Concrete)	SET	1.0	~~		0	0	
		***			·	V	
		•	Sub Total		37,826,937	31,691,226	69,518,163
Overhead ( 15% )					5,674,040	4,753,683	10,427,72
			TOTAL COST		43,500,977	36,444,909	79,945,88
Hanual routine maintenance of road	, Ka	6.0	140,672	7,248	844,032	43,486	887,520
Routine maintenance of asphalt road	, Ku	6.0	372,800	137,700	2,236,800	826,200	3,063,00
			Sub Total		3,080,832	869,688	3,950,570
Maintenance of Timber Bridge (New)	в2	0.0	6,892	1,732	0	0	•
Maintenance of Concrete Bridge (New)	92	0.0	1,759	2,656	0	0	•
Haintenance of Timber Bridge (Exist)	<b>=</b> 2	298.0	7,507	2,460	2,222,072	728,160	2,950,23
Paintenance of Concrete Bridge (Exist)	<b>±</b> 2	49.0	4,417	2,375	212,016	114,000	326,014
		·					=======================================
			Earthwork &	Pavenent Ur	nit Cost IR	p/K <b>a</b> ) :	13,324,31
						p/m21 :	, ,
		•		•		p/a2) :	
•				Value		(Rp) :	6,472,12
			Haintenance			(2) 1	4.94
						(X) E	

PROV : KALIMANTAN SELATAN

KAB : BANJAR

LINK NO : 20 (111B-2)

LENGTH : 5 Km

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

(Ro)

						٠., .		(KD)
ITEN		40444		r casi >>>		<b>‹</b> ‹‹‹‹		<b>&gt;&gt;&gt;&gt;&gt;</b>
	UNIT	YIITKAUD	LOCAL	FOREIGN	Loc	AL	FOREIGH	JATOT
Site Clearance in Light Bush	<b>#</b> 2	0.0	173	. 91		0	0	
Subgrade Preparation	e2	0.0	22	11		0	. 0	
Normal Fill	e3	0.0	1,792	863		0	0	
Fill in Swamp	æ3	0.0	2,637	1,052		0	. 0	1
Morgal Excavation to Spoil	<b>43</b>	700.0	1,047		732,5	700	365,400	1,078,30
Sub Base Course	£a.	1511.5	3,363	1,347	5,083,1		035,990	7,119,16
Base Course	m3	1200.0	4,622	2,299	5,516,4		758,800	8,305,20
Shoul der	<b>a</b> 2	15000.0	313	146			190,000	6,985,00
Asphalt Patching	<b>8</b> 2	0.0	3,728	1,377		0 .	. 0	
Surface Dressing (Single)	m?	0.0	616	575		0	0	
Surface Oressing (Double)	<b>#2</b>	0.0	771	936		0	Ó	-
Earth Drain		0.0	870	119		0	0	
Earth Drain in Swamp (by machine)	<b>a</b> 3	0.0	1,256	474		0	0	*
Pipe Culvert D80ca	B	0.0	44,520	42,161		Ò	0	
fasonry Culvert (80x80cm)	5	0.0	60,401	36,609		Ò	ō	."
Retaining Wall and Wing Wall (Timber)	s2	0.0	7,691	246		o o	0	
Retaining Wall and Wing Wall (Masonry)	g.3	0.0	44,050	11,679		Ô	0	
Sabion Protection	<b>a</b> 3	0.0	51,979	120		0	0	
len Bridge (limber)	SET	1.0				0	0	
len Bridge (Concrete)	SET	1.0				0	0	
20 m			Sub Total		16,057,	174 7	,350,190	23,407,66
Overhead ( 15% )					2,408,6	521 1	,102,528	3,511,10
			TOTAL COST		18,466,0	)95 8	,452,718	26,919,91
	u		116 /77		107		71 010	775 10
fanual routine maintenance of road	Ka	5.0	140,672	7,248	703,3	and the second second	36,240	739,60
Routine maintenance of gravel road	Ka	5.0	202,224	·	1,011,		440,235	1,451,3
taintananan at Timbar haidaa (Haut	_4	A 6	Sub Iotai	1 272	1,714,4		476,475	2,190,95
taintenance of Timber Bridge (New)	a2	0.0	6,982	1,232	•	Q .	0	
taintenance of Concrete Bridge (New) taintenance of Timber Bridge (Exist)	#2	0.0	1,759	2,656 2,460	710	() 172	0 118,080	478,4
naintenance of finoer bridge (Exist)	.#2 a2	48.0 0.0	7,507	2,460 2,375	360,3	530 0	0 1181000	9/014
naturemance of concrete pringe (exist)	84	0.0	4,417	2,373				
	**********		Earth, L	Davagent 11-	i Ca-1	(On IV-1		5 701 1
				Pavement Un		(Rp/Ke)		5,383,76
•			Timber	•	it Cost	(Rp/m2)		
;			Concrete		it Cost	(Rp/a2)		7 250 24
			Survived	Value	Deiden	(Rp)	:	3,559,51
			New Bridge	Rate without	Bridge	(%) {Z}	:	8.1

FROV

: KALIMANTAN BELATAN

KAB :

LINK NO

21 (1118-1)

LENGTH :

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

<<< UNIT COST >>> ((((( **>>>>>** UNIT QUANTITY LOCAL FOREIGN LOCAL FOREIGN TOTAL Site Clearance in Light Bush 0.0 Subgrade Preparation 92 14000.0 22 - 11 308,000 154,000 462,000 Normal Fill 0.0 43 1,792 863 0 0 Fill in Swamp вЗ 0.0 2,637 1,052 0 ı Normal Excavation to Spoil иЗ 174.0 273,006 1,047 522 182,178 90,828 Sub Rase Course **a**3 1120.0 3,363 1,347 3,766,560 1,508,640 5,275,200 Pase Course 560.0 2,299 1,622 2,588,320 1,287,440 3,875,760 Shoulder 82 6000.0 313 146 1,878,000 876,000 2,754,000 Asphalt Patching a2 0.0 3,728 1,377 Surface Dressing (Single) **9**2 8000.0 4,928,000 616 595 4,760,000 9,688,000 Surface Dressing (Double) 0 0 **a**2 0.0 771 936 , 0 Earth Drain 0.0 870 . 119 0 : 0 Earth Drain in Swamp (by machine) 0.0 1,256 474 Ω Pipe Culvert DBOcm 15.0 . . 14,520 42,161 667,800 1,300,215 Hasonry Colvert (80x80cm) 0.0 . . 60,401 36,609 0 0 Retaining Wall and Wing Wall (Timber) 02 0.0 9,691 -246 0 0 A Retaining Wall and Wing Wall (Masonry) £3 3.2 44,050 11,678 140,760 37,369 178,329 Gabion Protection n3 0:0 11,979 120 0 . 0 0 Hew Bridge (Timber) SET 1.0 0 Λ New Bridge (Concrete) SET 1.0 Sub Total 14,459,818 9,346,692 23,806,510 Overhead 1 15% ) 2,168,972 1,402,003 3,570,975 TOTAL COST 16,628,790 10,748,695 2.0 140,672 7,248 281,344 14,496 Manual routine maintenance of road Ka 295,840 Routine maintenance of asphalt road 372,800 137,700 745,600 275,400 1,021,000 1,026,944 287,876 Sub Total 1,316,840 Maintenance of Timber Bridge (New) Maintenance of Concrete Bridge (New) Maintenance of Timber Bridge (Exist) 0 0 1,232 •2 0.0 6,8B2 0.0 1,759 2,656 0 0 210,196 68,880 28.0 7,507 2,460 279,076 ₽2 Maintenance of Concrete Bridge (Exist) 0.0 4,417 2,375 e 2 Earthwork & Pavement Unit Cost (Rp/Ke) 13,688,743 limber Pridge Unit Cost (Rp/#21 : Concrete Bridge Unit Cost (Rp/#2) (Rp) Survived Value 4,467,792 . Maintenance Nate without Bridge {%} 4.81 New Bridge Cost Rate (Z)

PROV : KALIMANTAN SELATAN

KAB : BANJAR

LINK NO : 34 (1116-2)

LENGTH : 9 Km

UPGRADE : 5.5m road bed, 3.5m road with surface Base Cource

(Rn)

1 T C N		,044444	/// 1811	t thet \\	, iii	<<< cost	>>>>>>
1188	UNIT	QUANTITY	LOCAL	T COST >> FOREIGN		FOREIGN	TOTAL
	. Mai at ₁₂ ap				.+4-4444		
Gite Clearance in Light Bush	<b>a</b> Z	0.0	-173	. 91	0	0	- 14, P - 14 (
Subgrade Preparation	■2	0.0	27	11	. 0	0	+ (
Normal Filt	<b>a</b> 3	0.0	1,792	863	0	0	(
Fill in Swamp	a3	0.0	2,637	1,052	! 0	0	
Normal Excavation to Spoil	a3	500.0	1,047	522	523,500	261,000	784,50
Sub Rase Course	<b>2</b> 3	0.0	3,363	1,347	0	0	1987
Pase Course	<b>a</b> 3	0.0	1,622	2,299	1 0	. 0	(
Shoulder	92	18000.0	313	148	5,634,000	2,628,000	8,262,00
Asphalt Patching	<b>a</b> 2	2205.0	3,728	1,377	8,220,240	3,036,285	11,256,52
Surface Dressing (Single)	. <b>n</b> 2	0.0	616			0	
Surface Dressing (Double)	#Z	0.0	771	936	. 0	. 0	
arth Drain	8	4000.0	870	:119	3,480,000	476,000	3,956,00
Earth Drain in Swamp (by machine)	#3	0.0	1,256			. 0	
Pipe Culvert DBOcm		8.0	44,520	42,161		337,288	693,44
tasonry Culvert (80x80cm)	8	0.0	60,401	36,609	-	0	
Retaining Wall and Wing Wall (Timber)	m2	0.0	9,691	· ·		0	
Retaining Wall and Wing Wall (Masonry)	<b>83</b>	3.2	44,050	11,678		37,369	178,32
Gabion Protection	a3	0.0	11,979	120	-	0.100	
lew Bridge (Tieber)	SET	1.0			Ó	0	
lem Bridge (Concrete)	SET	1.0			Ů	ň	
ten bridge tubicrever	91.1				V		
			Sub fotal		18,351,860	6,775,942	25,130,80
Overhead (15%)			•		2,753,229	1,016,391	3,769,62
		٠	TOTAL COST		21,108,089	7,792,333	28,900,42
lanual routine maintenance of road	Ka	9.0	140,672	7,248	1,266,048	65,232	
Routine maintenance of gravel road	Ka	9.0	202,224	89,047		792,423	2,612,43
			Sub Total			857,655	3,943,71
laintenance of Timber Bridge (New)	<b>s</b> 2	0.0	6,882	1,232		0	•
aintenance of Concrete Bridge (New)	<b>#2</b>	0.0	1,759	2,656		0	
laintenance of Timber Bridge (Exist)	<b>a</b> 2	216.0	7,507	2,460	1,621,512	531,360	2,152,87
aintenance of Concrete Bridge (Exist)	<b>5</b> 2	0.0	4,417	2,375	0	0	
			Earthwork &	Pavement	Unit Cost (F	Rp/Ke) :	3,211,13
			Timber	Bridge	Unit Cost (F	kp/#21 :	
			Concrete	-		(p/e2) :	
			Survived	Value		(Rp) :	
			Haintenance		out Bridge	(2)	13.6
			Hew Bridge			(2)	****

LINK NO : 28 (1118-2) LENGTH : 4 Km

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

Site Clearance in Light Bush	(Rp)
Subgrade Preparation	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Subgrade Preparation	*********
Subgrade Preparation	
Normal   Fill	53,46
Fill in Skaap	00,10
Norsal   Excavation to Spoil   a3   1500.0   1,047   522   1,570,500   783,000	641,88
Sub lase Course  Base Course  B	2,353,50
Base   Course   #3   960.0   4,622   2,279   1,437,120   2,207,040	3,089,76
Shoulder	6,614,16
Asphalt Patching	5,508,00
Surface Dressing (Single)	21200100
Surface Dressing (Double)	
Earth Drain Earth Drain Earth Drain in Swap (by machine)  m	
Earth Drain in Swamp (by machine) pipe Culvert DBOcs a 0.0 44,520 42,161 0 0 Masonry Culvert (BOxBocs) a 0.0 44,520 42,161 0 0 Masonry Culvert (BOxBocs) a 0.0 60,401 36,609 0 0 Retaining Mall and Ming Mall (Timber) a2 0.0 9,691 246 0 0 Retaining Malt and Ming Mall (Masonry) a3 0.0 44,050 11,678 0 0 Gabion Protection a3 0.0 11,979 120 0 0 New 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 13,971,426 6,395,340  Uverhead ( 15% )  ### Total COST 16,067,139 7,354,641  ### Manual routine maintenance of road Km 4.0 140,672 7,248 562,688 28,992  ### Routine maintenance of gravel road Km 4.0 202,224 88,047 808,896 352,188  Sub Total 1,371,584 381,180  ### Haintenance of Concrete Bridge (New) ### A 0 202,224 88,047 808,896 352,188  Sub Total 1,371,584 381,180  ### Haintenance of Concrete Bridge (New) ### A 0 202,224 88,047 808,896 352,188  Sub Total 1,371,584 381,180  ### Haintenance of Concrete Bridge (New) ### A 0 202,224 88,047 808,896 352,188  Sub Total 1,371,584 381,180  ### Haintenance of Concrete Bridge (Exist) ### A 0 202,224 88,047 808,897 352,188  ### B 0 0 0 0  ### Haintenance of Concrete Bridge (Exist) ### A 0 202,224 88,047 808,897 352,188  Sub Total 1,371,584 381,180  ### Haintenance of Concrete Bridge (Exist) ### A 0 202,224 88,047 808,897 352,188  ### B 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Pipe Culvert DBOcs	2,076,00
Hasonry Cuivert (80x80cm)	210,0100
Retaining Mall and Wing Wall (Timber)	
Retaining Mail and Ming Mail (Masonry)  Bablon Protection  Bablon Prot	
Sabiun Protection	
New Bridge (Timber)	
Sub Total   13,971,426   6,395,340	
Sub Total   13,971,426   6,395,340	
Overhead ( 15% )  TOTAL COST  16,067,139  7,354,641  Manual routine maintenance of road  Km  4.0  140,672  7,248  562,688  28,992  Routine maintenance of gravel road  Km  4.0  202,224  88,047  808,896  352,188  Sub Total  1,371,584  381,180  Maintenance of Concrete Bridge (New)  maintenance of Concrete Bridge (New)  maintenance of Timber Bridge (Exist)  maintenance of Concrete Bridge (Exist)	
TOTAL COST   16,067,139   7,354,641	20,366,76
Manual routine maintenance of road Km 4.0 140,672 7,248 562,688 28,992 Routine maintenance of gravel road Km 4.0 202,224 88,047 808,896 352,188 Sub Total 1,371,584 381,180 Maintenance of Timber Bridge (New) m2 0.0 6,882 1,232 0 0 Maintenance of Concrete Bridge (New) m2 0.0 1,759 2,656 0 0 Haintenance of Timber Bridge (Exist) m2 32.0 7,507 2,460 240,224 78,720 Maintenance of Concrete Bridge (Exist) m2 0.0 4,417 2,375 0 0  Earthwork & Pavement Unit Cost (Rp/Km) : Timber Bridge Unit Cost (Rp/Km) :	3,055,01
Routine maintenance of gravel road Km 4.0 202,224 89,047 808,896 352,188 Sub Total 1,371,584 381,180 laintenance of Timber Bridge (New) m2 0.0 6,882 1,232 0 0 daintenance of Concrete Bridge (New) m2 0.0 1,759 2,656 0 0 daintenance of Timber Bridge (Exist) m2 32.0 7,507 2,460 240,224 78,720 daintenance of Concrete Bridge (Exist) m2 0.0 4,417 2,375 0 0 Earthwork & Payement Unit Cost (Rp/Km) : Timber Bridge Unit Cost (Rp/Km) :	23,421,78
Routine maintenance of gravel road Km 4.0 202,224 89,047 808,896 352,188 Sub Total 1,371,584 381,180 laintenance of Timber Bridge (New) m2 0.0 6,882 1,232 0 0 daintenance of Concrete Bridge (New) m2 0.0 1,759 2,656 0 0 daintenance of Timber Bridge (Exist) m2 32.0 7,507 2,460 240,224 78,720 daintenance of Concrete Bridge (Exist) m2 0.0 4,417 2,375 0 0 Earthwork & Payement Unit Cost (Rp/Km) : Timber Bridge Unit Cost (Rp/Km) :	
Routine maintenance of gravel road Km 4.0 202,224 89,047 808,896 352,188 Sub Total 1,371,584 381,180 laintenance of Timber Bridge (New) m2 0.0 6,882 1,232 0 0 daintenance of Concrete Bridge (New) m2 0.0 1,759 2,656 0 0 daintenance of Timber Bridge (Exist) m2 32.0 7,507 2,460 240,224 78,720 daintenance of Concrete Bridge (Exist) m2 0.0 4,417 2,375 0 0 Earthwork & Payement Unit Cost (Rp/Km) : Timber Bridge Unit Cost (Rp/Km) :	591,68
Sub Total 1,371,584 381,180  Haintenance of Timber Bridge (New) m2 0.0 6,882 1,232 0 0  Haintenance of Concrete Bridge (New) m2 0.0 1,759 2,656 0 0  Haintenance of Timber Bridge (Exist) m2 32.0 7,507 2,460 240,224 78,720  Haintenance of Concrete Bridge (Exist) m2 0.0 1,417 2,375 0 0   Earthwork & Payement Unit Cost (Rp/Km) : Timber Bridge Unit Cost (Rp/Km) :	1,161,08
Haintenance of Timber Bridge (New)	1,752,78
Maintenance of Concrete Bridge (New) 62 0.0 1,759 2,656 0 0 Haintenance of Timber Bridge (Exist) 62 32.0 7,507 2,460 240,224 78,720 Haintenance of Concrete Bridge (Exist) 62 0.0 1,417 2,375 0 0  Earthwork & Payement Unit Cost (Rp/Km) : Timber Bridge Unit Cost (Rp/m2) :	
Haintenance of Timber Bridge (Exist) a2 32.0 7,507 2,460 240,224 78,720 Haintenance of Concrete Bridge (Exist) a2 0.0 1,417 2,375 0 0  Earthwork & Payement Unit Cost (Rp/Km) : Timber Bridge Unit Cost (Rp/m2) :	
Haintenance of Concrete Bridge (Exist) #2 0.0 1,417 2,375 0 0 0  Earthwork & Pavement Unit Cost (Rp/Km) : Timber Bridge Unit Cost (Rp/m2) :	318,94
limber Bridge Unit Cost (Rp/m2) :	,
limber Bridge Unit Cost (Rp/m2) :	
limber Bridge Unit Cost (Rp/m2) :	5,055,44
· · · · · · · · · · · · · · · · · · ·	Alagal 1.
Survived Value (Rp) :	1,514,88
Haintenance Rate without Bridge (X) :	7.4
Hew Bridge Cost Rate (X):	

PROV : KALIMANTAN SELATAN

KAB : BANJAR

LINK NO : 29 (1118-2)

LENGTH : 5 Km

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

(Rp)

								(Rp)
11 E H	UNIT	QUANTITY	CCAL LOCAL	FOREIGN	) LOC	((((( AL	COST FOREIGN	>>>>> Total
		***********						
Site Clearance in Light Bush	<b>a</b> 2	0.0	173	91		0 1	0	14 A 1 A 1
Subgrade Preparation	<b>#2</b>	8000.0	22	- 11	176,0	000	88,000	264,000
Normal Fill	a3	0.0	1,792	863		0	0	(
Fill in Swamp	<b>2</b> 3	0.0	2,637	1,052		0	0	
Normal Excavation to Spoil	<b>2</b> 3	1939.0	1,047	522		1 68	,011,636	3,040,72
Sub Base Course	a3	1352.0	3,363	1,347	· · · · ·		,821,144	6,367,920
Rase Course	a3	1200.0	1,622	2,299			,759,800	8,305,20
Shoulder	82	20000.0	313	146	6,260,0		920,000	9,180,00
Asphalt Patching	a2	0.0	3,728	1,377		0	0	1
Surface Dressing (Single)	n2	0.0	616	595		0	ů.	
Surface Dressing (Double)	a2	0.0	171	936		Ō	0	
Earth Drain		5900.0	870	119	5,133,0	100	702,100	5,835,100
Earth Drain in Swamp (by machine)	<b>a</b> 3	0.9	1,256	474		0	0	01000110
Pipe Culvert D80cm	5	36.0	44,520	42,161		120 t	,517,796	3,120,51
Hasonry Culvert (80x80cm)		0.0	60,401	36,609		0	.,.,,,, A	olerole:
Retaining Wall and Wing Wall (limber)	e 2	0.0	9,691	246		۸	ň	
Retaining Wall and Wing Wall (Masonry)	#3	8.4	41,050	11,678		) ) )	74,739	356,65
Gabion Protection	£3	0.0	11,979	170		0	יטיורי	330,03
New Bridge (Timber)	SEI	1.0	11,777		3,766,3	•	575,761	4,342,15
New Bridge (Concrete)	SEI	1.0			21,001/	, n	101,010	יון אינן זיי
new bringe (concrete)	351						V	
			Sub Total		29,342,2	11	,169,976	40,812,27
Overhead ( 15% )					4,401,	5 <b>4</b> 4 (	,720,496	6,121,84
			TOTAL COST		33,743,6	543 13	3,190,472	46,934,11
	<b></b>	***************************************	***,					
Hanual routine maintenance of road	Κæ	5.0	140,672	7,248	703,	60	36,210	739,60
Routine maintenance of gravel road	Ke	5.0	202,224	88,047			440,235	1,451,35
			Sub Total		1,714,	180	476,475	2,170,95
Maintenance of Timber Bridge (New)	<b>a</b> 2	32.0	6,892	1,232			39,424	259,64
Maintenance of Concrete Bridge (New)	<b>a</b> 2	0.0	1,759	2,656		0	0	100
Haintenance of limber Oridge (Exist)	<b>⊳</b> 2	84.0	7,507	2,460	630,5	56e	206,640	837,22
Maintenance of Concrete Bridge (Exist)	<b>a</b> 2	0.0	4,417	2,375		0 .	0	
			**************************************					
			Earthwork &		Unit Cost	(Rp/Ka)		8,399,12
			Timber		Unit Cost	(Rp/n2)		156,04
			Concrete	,	Unit Cost	(Rp/m2)	1	
			Survíveď	Value		(Rp)	;	3,183,96
			Haintenance New Bridge		ut Bridge	(X)	;	5.2 10.6

LINK NO : 30 (1118-2) LENGTH : 5 Km

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

ITEH	UNLT	PTITHAUD	<<< UNIT Local	COST >>> FOREIGN	((((() Local	COST Foreign	<<<<<
				***********			~~~~
ite Clearance in Light Bush	<b>42</b>	0.0	173	91	. 0	Δ	(
ubgrade Preparation	<b>e</b> 2	24000.0	27	11	528,000	264,000	792,00
ormal Fill	<b>#3</b>	0.0	1,792	963	0	0	772400
ill in Swamp	a3	0.0	2,637	1,052	0	. 0	
ormal Excavation to Spoil	<b>a</b> 3	2306.0	1,047	522	2,414,392	1,203,732	3,618,11
ub Base Course	<b>a</b> 3	2076.0	3,363	1,347	6,981,588	2,796,372	7,777,96
ase Course	a3	1200.0	4,622	2,299	5,546,400	2,758,800	
houl der	m2	20000.0	313	146			8,305,20
sphalt Patching	a2	0.0	3,728		6,260,000	2,920,000	9,180,00
urface Dressing (Single)	<b>a</b> 2	0.0	616	1,377 595	v		
urface Dressing (Double)	B2	0.0	771		V	Ü	
arth Drain				936	U	0	
arth Drain in Swamp (by machine)	₽ -7	2200.0	970	119	1,714,000	261,800	2,175,80
ipe Culvert D8Oca	£a	0.0	1,256	474	0	0	
	•	37.0	44,520	42,161	1,647,240	1,559,957	3,207,19
asonry Culvert (80x80cm)	. 8	0.0	60,401	36,609	. 0	0	
etaining Hall and Wing Hall (Timber)	æ2	0.0	9,691	246	0	.0	
etaining Wall and Wing Wall (Masonry)	a3	9.6	44,050	11,678	422,880	112,108	534,98
abion Protection	a3	0.0	11,979	120	Q	0	
ен Bridge (Tiaber)	SET	1.0		**	. 0	0	:
ен Bridge (Concrete)	SET	1.0	~~		0	0	
			Sub Total		25,714,490	11,876,769	37,591,25
verhead ( 15% )					3,857,173	1,781,515	5,639,68
		•	TOTAL COST		29,571,663	13,658,284	43,229,94
			TOTAL COST		11/01/1/003	13,030,201	191261111
anual routine saintenance of road	Ke	5.0	140,672	7,248	703,360	36,240	139,60
outine maintenance of gravel road	Ke	5.0	202,224	88,047	1,011,120	440,235	1,451,35
			Sub fotal		1,714,480	476,475	2,190,95
aintenance of Timber Bridge (New)	s2	0.0	6,882	1,232	0	0	
aintenance of Concrete Bridge (New)	æ2	0.0	1,759	2,656	0	0	
aintenance of limber Bridge (Exist)	a2	0.0	7,507	2,460	0	0	
aintenance of Concrete Bridge (Exist)	æ2	0.0	4,417		0	0	
	. <b></b>						
			Earthwork & F	Pavegent IIn	it Cost - (Rp/K	n) :	8,645,99
					it Cost (Rp/a		ola ia 111
				-	it Cost (Rp/e		
			Survived 1		Rp.		4,888,98
			DULLIA	10106			1,000,10
			Haintenance I		Bridge (X)	1	5.0

#### Appendix A-4

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

KALIMANTAN SELATAN BANJAR FROV KAB : UNIT (1988) (1989) (1990) (1991) (1992) (TOTAL) EQUIPHENT : 5074.1 1131.7 1568.2 1147.7 Bulldozer/Ripper : . . 403.7 022.0 hr 0.0 110.2 217.3 327.5 Swamp Bulldozer hr 0.0 0.0 Notor Grader 2150.6 1877.3 8070.3 hr 742.8 1447.1 1872.5 Hand-quide Vib. Roller 662.3 1182.6 380.5 1069.0 540.3 3834.7 hг Tire Roller 616.6 1266.6 1716.5 1309.9 1099.9 6000.4 hr Vibratory Roller (D&I) 537.7 1046.7 1363,7 1691.5 1570.3 6209.9 hr Rydraulic Excavator: Wheel 0.0 0.0 0.01710.0 2205.0 3915.0 hr Wheel Loader ħr 1155.7 2415.2 3171.6 3726.2 3233.4 13702.1 Water Tank Iruck 328.B 688.0 708.9 1067.1 1024.7 1017.5 hr 22562.0 Dump Truck 8679.2 17575.2 27372.8 25197.8 101387.0 hr Flat Bed Truck with Crane 1128.6 1090.4 hr 462.6 327.2 478.6 3487.4 1916.6 Flat Bed Truck hr 851.2 2191,2 2025,9 1504.6 8489.5 Portable Crusher/Screening 280.4 519.9 740.7 642.2 581.1 2794.3 hг 22.1 30.2 52.1 47.6 55.3 207.3 Concrete Hixer hr 25.7 44.4 39.9 47.0 Hater Pump hr 18.2 175.2 Concrete Vibrator hr 10.6 16.8 29.1 24.6 30.6 111.7 Asphalt Sprayer 616.6 1266.6 1716.5 1380.8 1099.9 6088.4 LABOUR : 2474.6 Handur 1239.0 2823.B 2018.6 3459.1 12014.9 man day Skilled Labourer 2638.1 man day 4192.7 10069.2 9398.3 3546.1 29844.4 809.7 1492.0 Carpenter 1922.2 4961.7 4559.6 13745.2 ean day Mason 38.4 ean day 19.2 22.4 38.4 41.2 159.6 19724.0 25771.8 Labourer man day 9735.1 20113.6 21382.6 95727.1 Or i ver . 1894.7 man day 1034.7 4756.3 5757.6 5050.8 21494.1 Operator man day 945.0 1966.8 2404.7 3055.4 2730.5 11102.4 MATERIAL : Bitumen 153289.1 279041.5 396479.0 304958.2 255208.2 1388976.0 Asphalt Oil 1 20350.0 47933.3 61183.3 52766.6 38966.6 221199.0 Kerosene 1 29930.6 61566.5 82966.5 67533.2 53133.2 295130.0 Sand 390.7 774.6 1012.8 888.3 708.8 €3 3775.2 Cement 167.2 253.5 439.5 374.5 463.1 bag 1692.8 River Stone 19.2 22.4 38.4 43 38.4 41.2 159.6 Steel Houlds set 62.0 98.0 170.0 144.0 179.0 653.0 Timber æ3 174.3 450.4 72.6 413.6 134.5 1245.4 Paint J 1156.6 3272.4 520.0 2878.1 8900.1 973,0 Reinterding Steel kη 1977.8 3126.2 5423.0 4573.6 5719.1 20830.7 Tying Hire 17.9 kg 28,4 49.3 41.7 51.9 187.2 Equivalent Royalty 14519.9 31676.1 37992.1 45246.8 44255.6 175690.5

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

KALIMANTAN SELATAN KAB : BANJAR

PROV

Sand

Ceaent

River Stone

Steel Houlds

Reinforcing Steel

Tying Wire

Equivalent Royalty

lieber

Paint

EQUIPMENT : Bulldozer/Ripper hr 0.0 ....0.0 0.0 0.0 0.00.0Swamp Bulldozer hr 0.0 0.0 0.0 0.0 0.0 0.0 Hotor Grader hr 269.1 545.5 496.2 437.7 467.5 2206.0 Hand-quide Vib. Roller hr 352.5 900.0 1395.0 1995.0 2550.0 7192.5 Tire Roller hr 269.1 545.5 486.2 437.7 467.5 2206.0 Vibratory Roller (D&T) ħΓ 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 Wheel Loader hr 110.3 239.8 261.6 274.0 349.0 1254.7 Water Tank Truck hr 0.0 0.0 - 0.0 0.0 0.0 0.0 Dump Truck hr 1366.7 3238.1 4358.1 5751.4 7190.8 21905.1 Flat Bed Truck with Crane hr 1776.0 4181.6 4642.0 5511.8 6169.6 22281.0 Flat Bed Truck hr 1280.1 2741.5 2916.2 3215.7 3767.5 13921.0 Portable Crusher/Screening hr 55.7 121.5 133.4 150.6 179.3 640.5 Concrete Mixer 0. t ħΓ 0.0 0.1 0.1 0.1 0.4 Hater Pump hr 0.0 0.1 0.1 0.1 0.1 0.4 Concrete Vibrator hr 0.0 1.0 0.1 0.1 0.1 0.4 Asphalt Sprayer hr 0.0 0.0 0.0 0.0 0.0 0.0 LABOUR : Handur ¤an daγ 584.6 1319.9 1597.7 1967.6 7822.9 2353.1 Skilled Labourer ∌an day 724.8 1748.2 2376.9 3189.4 3648.8 11688.1 Carpenter man day 263.0 616.3 776.7 998.2 3700.4 1046.2 Hason 0.0 0.0 ean day 0.0 0.0 0.0 0.0 Labourer 6416.9 14445.3 ean day 17452.2 21432.2 25987.0 85733.6 820.6 1890.0 Oriver 2212.5 2698.8 ean day 3156.1 10768.0 126.7 1159.7 Operator 262.5 250.5 245.6 man day 274.4 MATERIAL : 3172.5 8100.0 12555.0 17955.0 22950.0 64732.5 Bitueen 1 0.0 0.0 0.0 0.0 Asphalt Oil 0.0 0.0 ા [ 352.5 900.0 1395.0 1995.0 2550.0 7192.5 Kerosene -

150.1

2.5

0.0

0.0

55.7

398.9

13.2

0. i

3397.7

232.6

2.5

0.0

0.0

70.5

502.8

13.2

0.1

3705.9

332.6

2.5

0.0

0.0

70.6

646.2

13,2

0.1

4163.4

425.1

2.5

0.0

0.0

95.0

677.3

13.2

0.1

4942.7

1199.1

10.6

0.0

0.0

335.9

2395.4

17773.0

56.1

0.4

1

a3

bag

a3

set

į

kg

kg

**a**3

а3

58.7

0.6

0.0

0.0

23.7

170.2

3.3

0.0

1563.3

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

KAB

BANJAR

KALIMANTAN SELATAN

PROV :

UNIT ( 1988 ) ( 1989 ) ( 1990 ) (1991) (1992) (TOTAL) EQUIPHENT : 403.7 922.8 1131.7 Bulldozer/Ripper hr 1569.2 1147.7 5074.1 Swamp Bulldozer hr 0,0 0.0 0,0 110.2 217.3 327.5 Notor Grader hr 1011.9 1992.6 2358.7 2580.3 2344.8 10294.3 Hand-quide Vib. Roller hr 1014.8 2082.6 1775.5 3064.0 3070.3 11027.2 Tire Roller 885.7 1812.1 2202.7 1026.5 1567.4 8294.4 hr Vibratory Roller (D&T) 1046.7 1363.7 1691.5 1570.3 6209.9 537.7 hr Hydraulic Excavator; Wheel 0.0 0.0 0.0 1710.0 2205.0 3915.0 hr Wheel Loader 3433.2 4020.2 3582.4 1266.0 2655.0 14956.8 hr Water Tank Truck 328.8 688.0 908.9 1067.1 1024.7 hr 1017.5 Dump Truck hr 10045.9 20813.3 26920.1 33124.2 32388.6 123292.1 Flat Bed Truck with Crane hr 2239.6 5310.2 4969.2 6602.2 6648.2 25768.4 Flat Bed Truck hr 2131.3 4658.1 5107.4 5241.6 5272.1 22410.5 Portable Crusher/Screening hr 336.1 671.4 974.1 792.8 760.4 3434.B Concrete Hixer hr 22.1 30.3 52.2 47.7 55.4 207.7 Water Pumn 18.2 25.9 44.5 40.0 47.1 175.6 hr Concrete Vibrator 10.6 16.9 29.2 24.7 30.7 112.1

concrete vibrator	nr	10.6	16.7	29.2	24.7	30.7	112.1	
Asphalt Sprayer	hr	616.6	1266.6	1716.5	1308.8	1077.7	6088.4	
LABOUR :		•						
Handur	aan day	1824.4	4143.7	3616.3	5425.7	4827.7	17837.9	
Skilled Labourer	<b>≘</b> an day	4917.5	11817.4	5015.0	12597.7	7194.9	41532.5	
Carpenter	man day	2185.2	5578.0	1586.4	5557.8	2538.2	17445.6	
Kason	ean day	19.2	22.4	38.4	38.4	41.2	159.6	
Labourer	man day	15152.0	34559.9	37176.2	47204.0	47369.6	181460.7	
Driver	man day	2715.3	5924.7	6769.9	9446.4	9206.9	32262.1	
Uperator	man day	1071.7	2229.3	2655.2	3301.0	3004.9	12262.1	
MATERIAL :								
Ditumen	1	156461.6	287141.5	409034.0	322913.2	278158.2	1453708.5	
Asphalt Oil	1	20350.0	47933.3	61193.3	52766.6	38966.6	221199.8	
Kerosene	1	30283.1	62466.5	84361.5	69528.2	55683.2	302322.5	
Sand	a3	449.4	924.7	1245.4	1220.9	1133.9	4974.3	
Cement	bag	162.B	256.0	442.0	377.0	465.6	1703.4	
River Stone	<b>a3</b>	19.2	22.4	38.4	38.4	41.2	159.6	
Steel Houlds	set	62.0	98.0	170.0	144.0	179.0	653.0	
Timber	£ã.	198.2	506.3	143.1	504.2	229.5	1591.3	
Paint	1.	1326.8	3671.3	1022.8	3524.3	1650.3	11195.5	
Reinforcing Steel	kg	1981.1	3139.4	5436.2	4606.8	5723.3	20986.8	
lying Wire	kg	17.9	28.5	47.4	41.8	52.0	189.6	
Equivalent Royalty	яЗ	16083.2	35073.8	43698.0	49410.2	49193.3	193463.5	

#### Appendix A-5

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

PROV : KALIMANTAN SELATAN KAB : BANJAR ( 1000 Rp ) UNIT (1988) (1989) (1990) (1991) (1992) (TOTAL) EQUIPMENT 1 120,362 244,887 311,451 382,748 345,093 1,404,541 Bulldozer/Ripper... 16629 6.713 19,085 13,682 19,919 26,077 84,376 Swamp Bulldozer 12205 . 0 0 0 2,652 1,344 3,996 Hotor Grader 14125 10,492 20,440 26,449 26,516 30,377 114,274 1597 Hand-guide Vib. Roller 1,057 1.889 607 1,707 862 6,121 Tire Roller 7,169 11628 14.728 19,959 16,148 12,787 70,793 Vibratory Roller (D&T) 7023 3,776 7,350 9,577 11,879 11,028 43,610 Hydraulic Excavator; Wheel 13429 0 0 Ò 22,963 29,610 52,573 
 Wheel Loader
 17270

 Water Tank Truck
 4275

 Dump Truck
 5754
 19,958 - 11,710 54,773 64,351 55,840 236,632 1,405 2,941 3,885 4,561 4,380 17,172 49,940 101,127 129,921 144,988 157,503 583,379 Flat Bed Truck with Crane 5360 2,479 6,049 1,753 2,565 5,844 18,690 Flat Bed Truck 3660 3,115 7,014 8.019 7,414 5,506 31,068 Portable Crusher/Screening 45610 12,789 25,080 33,783 29,290 26,503 127,445 Concrete Mixer 8696 192 262 453 413 480 1,800 9 Water Puep 504 12 22 20 23 86 Concrete Vibrator 339 3 5 g 8 10 35 Asphalt Sprayer 2052 1,265 2,599 3,522 12,491 2,849 2,256 LABOUR : 42,104 97,487 70,539 115,524 80,642 406,296 Handur 2750 9,509 3,409 7,765 5,551 6,805 33,039 Skilled Labourer 2200 9,223 5,803 7,801 22,152 20,676 65,655 Carpenter 2750 5,286 13,644 2,226 12,538 4,103 37,797 Mason 2750 52 61 105 105 113 436 Labourer 1750 15,286 35,198 34,517 45,100 37,419 167,520 Driver 2750 5,210 13,889 11,075 13,079 15,833 59,106 Operator 3850 11,763 3,638 7,572 9,258 10,512 42,743 MATERIAL : 93,958 195,523 213,675 210,259 154,251 867,666 110,943 91,487 76,562 Bitumen ... 300 45,986 83,712 416,690 14,245 42,828 36,936 27,276 154,838 Asphalt Dil 700 33,553 73,780 15,391 20,741 16,893 13,283 250 7,482 Kerosene 6,076 4,252 22,648 2,344 5,329 6000 4,617 Sand 2,083 1,977 1,695 7,614 4500 729 1,140 Cenent 269 1,114 156 268 288 River Stone 7000 134 5,224 8000 496 784 1,360 1,152 1,432 Steel Houlds 5,008 33,088 10,760 99,632 80000 13,944 36,032 Lisber 1,560 8,634 2,919 26,399 3000 3,469 9,817 Paint 4,282 2,344 4,067 3,445 15,621 750 1,493 Reinforcing Steel ٩L 28 49 51 188 1000 17 Tying Wire 7,919 9,998 11,311 11,063 43,920 250 3,629 Equivalent Royalty

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

PROV : KALIMAN	TAN BEL	ATAN	KAB	: BANJ	AR	( 1000 Rp )			
ITEH	UNIT	( 1988 )	〈 1989 〉	( 1990 )	( 1991 )	〈 1992 〉	< TOTAL >		
QUIPHENT :		34,003	76,245	95,978	100,807	118,548	415,591		
Bulldozer/Ripper	16629	0	. 0	0	0	0	0		
Swamp Bulldozer	12205	0	0	. 0	0	0	0		
Hotor Grader	14125	3,801	7,705	6,867	6,182	6,603	31,158		
Hand-guide Vib. Roller	1597	562	1,437	2,227	3,196	4,072	11,484		
Tire Roller	11628	3,129	6,343	5,653	5,089	5,436	25,650		
Vibratory Roller (DAT)	7023	0	0	. 0	. 0	. 0	0		
Hydraulic Excavator; Wheel	13429	0	0	0	0	0	0		
Wheel Loader	17270	1,904	4,141	4,517	5,077	6,027	21,666		
Hater lank Iruck	1275	Ò	0	0	0	0	0		
Dump Truck	5754	7,863	18,632	25,076	33,093	41,375	126,039		
flat Bed Truck with Crane	5360	9,519	22,413	24,881	29,543	33,069	119,425		
Flat Bed Truck	3660	4,695	10,033	10,673	11,769	13,789	50,949		
Portable Crusher/Screening	45610	2,540	5,541	6,084	848,6	8,177	29,210		
Concrete Nixer	8696	0	0	0	0	0	0		
Hater Pump	504	0	0	0	0	0	0		
Concrete Vibrator	339	0	. 0	0	0	0	. 0		
Asphalt Sprayer	2052	0	0	0	0	0	0		
ABUUR :		17,896	40,655	49,346	61,016	72,597	241,500		
Handur	2750	1,607	3,629	4,393	5,410	6,471	21,510		
Skilled Labourer	2200	1,594	3,946	5,229	7,016	8,027	25,712		
Carpenter	2750	723	1,694	2,135	2,745	2,877	10,174		
Hason	2750	0	0	0 -	0	0	0		
Labourer	1750	11,229	25,279		37,506	45,477	150,032		
Driver	2750	2,256	5,197	6,084	7,394	8,679	29,610		
Operator	3850	487	1,010	964	945	1,056	4,462		
ATERIAL :		4,207	10,092	13,603	18,125	20,958	66,985		
Ditunen	300	951	2,430	3,766	5,385	6,805	19,418		
Asphalt Oil	700	0	0	. 0	0	0	0		
Kerosene	250	88	225	348	198	637	1,796		
Sand	8000	352	900	1,395	1,995	2,550	7,192		
Cenent	4500	2	11	11	11	11	46		
River Stone	7000	0	. 0	0	0	0	0		
Steel Houlds	8000	0	0	0	0	0	0		
Timber	80000	1,912	4,472	5,640	7,248	7,600	26,872		
Paint Pant	3000	510	1,196	t,508	1,939	2,031	7,183		
Reinforcing Steel	750	2	9	<b>9</b>	9	9	30		
Tying Wire	1000	700	0	0	0	. 025	0		
Equivalent Royalty	250	390	849	926	1,040	1,235	4,440		

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

		ATAN	KAB	I ĐẠNJ	( 1000 Rp )			
ETEH	UNIT	( 1988 )	< 1989 >	( 1990 )	< 1991 )	< 1992 >	< TOTAL >	
: тканчив		154,365	321,132	397,429	483,555	\$17 /AI	1 870 122	
	W.,	44.1402	0211102	011 1451	100,000	463,641	1,020,122	
Bulldozer/Ripper	16629	6.713	13,682	វគ ស្គ	26,077	10 005	04 771	
Swamp Bulldozer	12705	0	0	0	1 344	17   VOJ 7   ES	01,370	
Hotor Grader	14125	14.293	20 145	33,316	1,344 36,559 4,893	7,037	145 477	
Hand-guide Vib. Roller	1597	1,619	3.325	2.834	4.093	A OTA	17 405	
Tire Roller	11628	10,298	OI AYI	25,612	21,237	18,225	17,605	
Vibratory Roller (D&T)	7023	3.776	7.350	9.577	21,237 11,879	10,223	10,140	
Hydraulic Excavator; Wheel	13427	0	0	. , , 3, ,	22,963	31 t A A A	10,010	
Hydraulic Excavator; Wheel Wheel Loader	17270	21.862	45,851	59.70h	69,428	71 DT2		
Water lank truck	4275	1.405	2,941	1 005	01,120 1 CL1	01,00/ # 700	258,298	
Dump Truck	E2114	57 RAT	119,759	5,00J  54,007	1,001 100 EOL	11960	17,172	
Flat Bed Truck with Crane	5340	11 000	111/101	ניו ור : ויו ור	475 at	100,363	709,418	
Flat Bed Truck	AAE	7 000	119,759 28,462 17,047 30,621 262	10 103 10 103	.99 ¹ 281	33,634 10.00=	138,115	
Portable Crusher/Screening	45410	1,000	11,011	10,012	17,183	17,295	82,017	
Concrete Mixer	7010	10,327	30   02   76 1	37,86?	36,138	34,680	156,655	
Hater Pump	.504	9	202	703	413	480	1,800	
Concrete Vibrator	,371	7	16	- 22	20	23	86	
Asphalt Sprayer	7057	3 1 7/2	5 2,599	¥ 500	8	10	35	
Habitate abi elei	2032	1,200	21244	3,322	2,849	2,256	12,491	
ABOUR :	•	60,000	138,142	119,885	176,540	153,229	647,796	
Nandur	2750	5.016	11,394	9.944	14 919	13 274	54 540	
Skilled Labourer	2200	10.817	25,998	11.032	27 492	15 929	01 272	
Carpenter			15,338	4,361		6,980		
Hason	2750	52	61	105	105	113	436	
Labourer	1750	24.515	60.477	45 059	ፈሳኔ ፈሳኔ ሮც	87-894	717 559	
Driver	2750	7.464	14, 202	521.01	77 777	77 510	311 00 311 a	
Operator	3850	1.125	60,477 16,292 8,582	10.222	12,708	11.569	47.205	
· · · · · · · · · · · · · · · · · · ·	3424	,,	-1	,	,,	1000	.,   1.00	
IATERIAL :		90,165	205,615	227,278	228,384	175,209	934,651	
Bi tu <b>a</b> en	300	46,937	86,142	122,709	96,873	83,447	436,108	
Asphalt Oil	700	14,245	33,553	42,828	36,936	27,276	154,838	
Kerosene	250	7,570	15,616	21,089	17,381	13,920	75,576	
Sand	6000	2,696	5,547	7,471	7,324	6,802	29,840	
Ceaent	4500	731	1,151	1,989	1,696	2,094	7,660	
River Stone	7000	134	156	260	268	288	1,114	
Steel Moulds	8000	496	784	1,360	1,152	1,432	5,224	
Timber	80000	15,856	40,504	11,440	40,336	18,360	126,504	
Paint	3000	3,979	11,013	3,068	10,572	1,950	33,582	
Reinforcing Steel	750	1,485	2,353	4,076	3,454	4,291	15,659	
Tying Wire	1000	17	28	49	41	51	188	
Equivalent Royalty	250	4,019	0,768	10,924	12,351	12,298	48,360	

Appendix A-6 QUANTITIES OF BRIDGE ON PROPOSED ROAD LINKS

	PROV	1	: K	ALIMA	ANTAI	V SEL	_ÀTA	N	KAI	<b>a</b> 6	BAN	IAR				
LINK NO	PRIDGE NAME	Ka	From	TY >> (TRIXE)				LENGTH (#)	NO.	SPAN LENGTH	MIDTH (a)	AREA (EXIST) (#2)	AREA (NEW) (m2)		ABUT	ROAD CLASS
~															w 14 14 4	
67	PENURUS 2		Jaus	. ~~	TH	BM50		6.00	ł	4.00	4.00		24.00	0	,	111A
	s.PEHURUS 3		JAU6		TH	BM50	(C)		t	8.00	4.00		32.00		2	
	S.PEHURUS 4	-	JAUG		TH	PK50	(B)	9.00	2	4,50	4.00	0.00	36.00	1	2	
	PENURUS	4	JAU6		TH	BH50	(C)	20.00	3	6.67	4.00	0.00	80.00	2	2	
	SIMPANG WARGA	6	JAU6		TH	DM50	{C}	8.00	1,	8.00	4.00	0.00	32.00	0	2	
. 1.	S.WARGA I	6	JAU6		TN	BH50	(C)	20.00	3	6.67	4.00	0.00	80.00	2	2	
69	н. т	1	X	KK	TH	LOT	(C)	7.00	ł	7.00	4.00	14.00	28.00	0	2	1119-1
70	KAHPUNG BARU	1	SPRG		TH	101	(8)	5.00	!	5.00	4.00	0.00	20.00	0	2	1118-1
73	S.KARET	3	X	KK	TH	107	(A)	3.00	<u>i</u>	3.00	4.00	6.00	12.00	0	2	1118-1
	S.KARET 2	3	LTGA	KK	TH	101	{B}	19.00	5	3.80	4.00	38.00	76.00	4	2	
	S.KARET 3		LIGA	KK	TM	101	(8)	8.00	2	4.00	1.00	16.00	32,00	1	2	
	S.BITH 1		LTGA	- KK				9.00	3	3.00	3.00	27.00		2	2	
	S.RUMBIA		LTGA	KK				4.00	. 1		3.00			. 0	2	
	S.DURIAN		LTGA	KK				3.00	1:	3.00	3.00	9.00		0	2	
80	SEL.PINANG	1	X	KK				3.00	i	3.00	3.20	9.60		0	2	1118-
	RAPI	1	SPAS	KK				12.00	2	6.00	3.50	12.00		- 1	2	
	N. I	2	SPA6	KK				10.00	1	10.00	3.00	30.00		0	2	
	UNUKAN	5	SPAG		in	10T	(8)	10.00	2	5.00	4.00	0.00	10.00	1	2	
	TALUKAN	6	SPAS		TH	101	(8)	4.00	1	4.00	4.00	0.00	16.00	- 0	2	
		. 6	SPA6		TH	101	(C)	13.00	2	6.50	4.00	0.00	52.00	i	2	
	LANCAR	8	SPAS		TH	101	(B)	9.00	2	4.50	4.00	0.00	36.00	1	2	
	INDUKANG	10	SPAG		KT	101	(8)	10.00	2	5.00	4.00	0.00	40.00	1	. 2	
84	BELANGIRAN	2	X	KK				3.00	1	3.00	4.00	12.00		0	2	1118-
85	SE1.	i	X	KK				20.00		6.67	3.00	40.00				[][8-1

PROV	1	KAL IMANTAN	SELATAN

KAB : BANJAR

NO .	DRIDGE NAME	Ka -	From	(EX181)	E >> (NEN)	DESTON LOAD	SPAN CLASS	LENGTH		SPAN LENGTH	HTDIW	AREA (EXIST)	AREA (NEW)	PJER	ABUT	ROAD CLASS
								(a)	(no)	( <b>a</b> )	(m)	(e2)	(m2)	(no)	(ng)	
44	PAPAN		LOBA		TH	BK50	(A)	4.00	2	2.00	4,00	8.00	16.00	i	2	IIIA
	KELAPA	2	LOBA					11.00	3	3,67	3.00	33.00		2	2	•
	KELAPA 2		LODA	KK :	∴ TH	BH50	(A)	5.00	2	2.50	4.00	12.50	20.00	Ī	2	
100	KELAPA 3		LODA	KK	TH	DMSO	(A)	4.00	2	2.00	4,00	8.00	16.00	ĺ	2	
	KELAPA 4	2	LODA	KK	· 18	BN50	· (A)	10.00	4	2.50	4.00	25.00	40.00	3	2	
	KELAPA S	2	LOBA	KK	TH	RM50	(A)	4.00	2	2.00	4.00	8.00	16.00	Ī	2	
	SAKA BUNTU 1	3	LOBA	KK	11	BH50	<b>{A}</b>	6.00	2	3.00	4.00		24.00	ì	2	
	SAKACINA	3	LODA.	KK	î N	BH50	(A)	6.00	2	3.00	4.00	12.00	24.00	1	2	
	LUAS.1	3	LODA	KK				17.00	6	2.83	3.00	51.00		. 5	. 2	
	LUAS.2	3	LOBA	. KK	ΙH	8H50	(A)	15.00	5	3.00	4.00	37.50	60.00	4	2	
	LUAS.3	3	A80J	· KK	TH	DN50	(A)	15.00	5	3.00	4.00	37.50	60.00	4	2	
	LUAS.4	3	LODA	. KK	M	enso	(A)	6.00	2	3.00	4.00		24.00	- 1	2	
	SAKA PAKU 1	3	LO84	KK.				6.00	. 3	2.00	3.00			2	. 2	
	saka paku 2	- 4	LOBA	KK	· TH	BH50	(A)	8.00	3	2.67	4.00	20.00	32.00	2	2	
	SAKA PAKU 3	4	LODA	- KK				6.00	3	2.00	3.00	18.00		2	2	
	SAKA PAKU 4	4	LOBA	KK	TH	BM50	(A)	5,00	2	2.50	4.00	10.00	20.00	ł	2	
	LULUT I	4	LOBA	KK	: TH	DH50	(A)	6,00	2	3.00	4.00		24.00	1	2	
	CULUT 2	4	LOBA	KK	TH	9H50	(A)	4.00	2	2.00	4.00	10.00	16.00	1	2	
	LULUT 3	4	LOBA	KK	TM	BM50	(A)	6.00	2	3,00	4.00	12.00	24.00	j	2	
	LULUT 4	4	LOBA	KK				25.00	9	2.78	3.00	75.00		8	2	
46	SEI.SALAK	2	X.	KK				7,00	2	3.50	3,00	21.00		1	2	IIIB-
51	PEHAKUAN I	1	ĭ	KK				4.00	1	4.00	3.50	14.00		0	2	ILIA
	PEHAKUAN 2	- 1	SETA	· KK				15,00	4	3.75	3.00	45.00		3	2	
	PEHAXUAN 3	1	SETA	KK				15.00	4	3.75	3.00	45.00		3	2	
	SEI.PIANG	2	SETA	KK	TH	BM50	(8)	19,00	5	3.60	4.00	36.00	72.00	4	2	
	UANG	. 3	SETA	KK				8.00	2	4.00	3.00	24.00		i	2	
	JINGAH RAHPIT	4	SETA	KK.				12.00	3	4.00	3.00	36.00		2	2	
	TAPANG	4	SETA	XX	18	BH50	(B)	18.00	5	3.60	4.00	36.00	72.00	•	2	
	SAKA KEBUN	5	SETA	KK	· 14	DH50	· (B)	12.00	3	4.00	4.00	24.00	49.00	2	. 2	
	DURTAN	5	SETA	KK	TX	BN50	(B)	10,00	3	3.33	4.00	20.00	40.00	2	2	
	ASAN	5	SETA	KK	TH	BN50	(8)	19.00	5	3.80	4.00	43.70	76.00	4	2	
	SEI.ASAN	6	SETA	KK				5.00	2	2.50	3.00	15.00		1	2	
	RAHBAI PADI	6	SETA	KK				5,00	2	2.50	3.00	15.00		1	2	
	SAKA, JARANG	6	SETA	KK				5,00	2	2.50	3.00	15.00		1	2	
61	H. KANDANGAN		ĭ	KK	īñ	8H50	(A)	6,00	2		4.00	12.00	24.00	1	2	IIIA
	HUARA T.AHANG	2	PARA	· KK	ŦM	BN50	(A)	8,00	3	2.67	4.00	16.00	32.00	2	2	
	MUARA SANGGAP	3	PARA	KK	IH	BH50	(8)	15.00	3	5.00	4.00	30.00	60.00	2	2	
	TATAN PANSGANS	4	PARA	KK				15:00	3	5.00	3.00	45.00		2	2	
	KUARA TBANGKAL	4	PARA	KK				20.00	4	5.00	3.00	60.00		3	2	
	ALUH 2 KECIL	5	PABA	KK	ŦĦ	BM50	(A)	6.00	2	3.00	4.00	12.00	24.00	j	2	
	PINTU AIR	6	PABA	KK				20.00	4	5.00	3,00	60.00	,	3	2	
63	SELT SIRANG	0	X	KK				5.00	l	5.00	3.00	15.00		0	2	[119-
	SEI HANDIL 1	2	TSLT	KK	TH	101	(A)	3.00	1	3.00	4.00	6.00	12.00	0	2	
67	JANDU BURUNG	1	JAUG		TH	BH50	(3)	14.00	2	7.00	4.00		56.00	1	2	1114
	JAMBU BURUNG!	İ	JAUG		îĦ	8H50	(8)	10.00	2	5.00	4.00	0.00	40.00	1	2	
	PENURUS I	-	JAU6		18	BH50	(C)	8.00	i	8.00	4.00	0.00	32.00	0	2	

	LOAD WELLSTONE	PARMI ATTALI	4.7
•	KALIMANTAN	SELATAN	K

PROV

KAB : BANJAR

L I NK No	DRIDGE NAME	Ke	From	(TRIKS)			SPAN CLASS	LENGTH (#)	SPAN KO (no)	SPAN LENGTH (m)	HTGIW (m)	AREA (EXIST) (m2)	AREA (NEW) (#2)		(no)	RUAD CLASS
200	1 OV PANTHUR	3	X	KK	 TH	101	(B)	8.00	2	4.00	4.00	32.00	32.00	1	2	1118-2
29	LOK CANTUNG SEI ANANG	,	ATAH	KK	#11	101	101	10.00	3	3.33	4.00	40.00	02100	ż	2	
	SEI DUNI RATA	4	HATA	KK				11.00	3	3.67	4.00	44.00		2	2	
34	SEI.HADOREJO	2	X.	KK				6.00	2	3.00	4.00	24.00		1	2	1119-2
UT	SEI.HESJID	5	BAHA	KK				3.00	1	3.00	4.00	12.00		Ò	2	
	SEI.SAHBUNG	6	BANA	KK				2.00	i	2.00	4.00	8.00		Ò	2	•
	SEI.KARET	7	BAHA	KK				2.00	i	2.00	4.00	8.00		0	2	
	SEI.BALITAN I	. 7	BAMA	KK				16.00	3	5.33	4.00	64.00		2	2	
	SEL.BALITAN II	8	BAHA	KK				16.00	3	5.33	4.00	64.00	1000	2	2	
	SEIPENBURUNGAN	9	DAHA	KK	•			9.00	3	3.00	4.00	36.00		2	2.	
35	LIANG TAUNAN	0	χ	KK				4.00	<u>1</u>	4,00	4,00	16.00	******	0	2	IIIA
	PALIIN	2	BAMA	KK		•		10.50	1	10.50	4.00	42.00		0	2	
	LIKPASU	3	BANA	KK				4.00	1	4.00	4.00	16.00		0	2	
	BABAH	4	DAHA	KK				6.00	1	6.00	4.00	24.00	-	0	2	
	KARINAYA	4	BAMA	: KK				4.00	1	4.00	4.00	16.00		0	2	
	DAMAR GUMPUNG	0	48AN		TH	8N50	(C)	8.00	İ	6.00	4.00	0.00	32.00	0	2	
	SANAH	6	BAHA	KK				4.00	1	4.00	4.00	16.00		0	2	
	BINUUNG	6	BAHA	KK				31,00	5	6.20		124.00		4	7	
	NIUR	6	BANA	KK				4,00	ı	4,00	4.00	16.00		0	2	
36	BIRIK	2	X	KK				5,00	1	5.00	4.00	20.00		0	2	IIIA
	LURUS	3	DINU	KK				4.00	1	4,00	4.00	16.00		0	2	•
	DADAP	3	BINU	KK				4.00	1	4,00	4.00	16.00		0	2	
	N. 1	4	BINU	KK				4.00	i	4.00	4.00	16.00		0	2	
	BATU	4	81HU	KK				4.00	1	4.00	4.00	16.00		0.	2	
	N.I	6	BINU	KK				5.00	!	5.00	4.00	20.00		0	2	
	KALID	7	BINU	KK				6.00	3	6.00	4.00	24.00		0	2	
	BAKBAN	8	BINU	KK				6.00		6.00	4,00	24.00		U	2	
	ATIRIH	8	BIND	KK				5.00	1	5.00	4.00	20.00		0	. 2.	
	RIANAN	10	BINU	KK				8.00	2	4.00	4.00	32.00		į.	2	
	HAHIRI	10	BINU	KK				4,00	1	4.00	4.00	16.00		v	2	
	JUTUH Inaan	10 11	BINU	KK KK				8.00 8.00	2	4.00 4.00	4.00 4.00	32.00 32.00		1	2 2	
40	JARING I		<u>1</u>	KK				2.00	 1	2.00	3,00	6.00	د چه خد ما حد مد چه ي.	0	 2	 1118-
70	JARING II	;	PING	KK				2.00	1	2.00	3.00	6.00		0	2	-415
	JARING III	i	PING	KK				2,00	•	2.00	3.00	6.00	-	ō	2	
	KUTA	•	PINS	KK				2.00	i	2.00	3.00	6.00		Ŏ	2	
	PINGARAN	i	PING	KK				12.00	3	4.00	3.00	36.00		2	2	
	PINGARAN ULU	2	PINS	KK				5.00	2	2.50	3.00	15.00		1	2	
	HACI-HALI		PING	КК				8.00	3	2,67	4.00	32.00		2	2	
44	BAKUNG I	·	X	KK				25.00	9	2.78	4.00	100.00		8	2	111A
	BAKUNG 2	1	LOBA	KK	TH	0H50	(A)	10.00	4	2,50	4.00	25.00	40.00	3	2	
	BAKUNG 3	I	LOBA	KK	TH	BN50	(A)	3.00	1	3,00	4.00	6.00	12.00	0	2	
	BAKUNG 4	į	L09A	KK	TH	BN50	(A)	5.00	2	2.50	4.00	10.00	20.00	. [	2	
	ALAHROH 1	1	LOBA	ĸĸ	18	B#150	(A)	5.00	2	2,50	4.00	10.00	20.00	i	2	
	ALANRON 2	l	LODA	KK	ŦΝ	BN50	(9)	13.00	4	3.25	4.00	26.00	52.00	3	2	
	ALAHROH 3	1	LOBA	K.K	TK	BH50	(A)	6.00	2	3.00	4.00	12.00	24.00	1	2	

B14 844 Am 8 8		the second control of the second control of the	
PROV	*	KAL IMANTAN	SEL ATAN

KAB I BANJAR

HO INK	BRIDGE NAME	Ka	From	({ T) (EXIST)	(NEW)	DESIGN LOAD	SPAN CLASS	LENGTH (a)	NO (no)	SPAN LENGTH (m)	HIDIH (m)	(EX1ST) (m2)	AREA (NEW) (m2)	PIER (no)	ABUT (na)	ROAD CLASS
6:	SEI PARUPUK	3	GPAP	KK				2.00	i	2.00	4.00			0	2	IIIB-2
	SET GUNTUNG	3	GPAP	. KK		•		6.00	2	3.00		18.00		i	2	1110 2
	SEI LAWAHAN	4	<b>GPAP</b>	KK				4.00	- ī	4.00	4.00			. 0	. 2	
	SEI KALADAN	5	GPAP	· KK				8.00	2	4.00		32.00		i	2	
	SEL BAYAN	7	GPAP	KK				2.00	· 1	2.00	4.00	8.00		0	2	
7	SEI GAYAN	1	<u> </u>	.KK				6.00	2	3.00	3.00	18.00		i	2	1110
	S TAMBAK BABII	2	HLJA	KK			- *	10.00	3	3,33	3,00		: -	2	2	*****
	S. TAMBAK BAB12	3	HLJA	KK	TH	101	(B)	12.00	3	4.00	4.00		48.00	ì	2	
	S. TAMBAK BAB12	3	HLJA	KK	18	10T	(B)	12.00	3	4.00	4.00		48.00	_	2	
	SET KUPANG	4	HLJA	KK				4.00	i	4.00	4.00		12	ō	2	
	HOL JAWA BAWAH	5	HLJA	KK				12.00	3	4.00	3.00			2	2	
	SEI BABIRIK	6	HLJA	KK		.*		12.00	3	4.00	3.00		:	2	2	
11		i	X	KK				6.00	2	3.00	4.00	24,00	~~~~	i	2	1118-1
	UJUNGKURUKG 2	2	STIC	i u				4.00	1	4.00	4.00			0	2	•
	TIUNG		STIC	KK-				4.00	1	4.00	4.00			0	2	
19	SEI PUJAT	i	· X	KK	ŧ.			6.00	1		4.00		~ * ~ ~ ~ ~ ~ ~	0	-2	1110
	1060		KAIH	KK	•			3.00	1	3.00	4.00	12.00		0	2	
	LANDAS		KAIN			•		4.00	i	4.00	4.00	16.00		0	2	
	PARING	2	KAIN	KK				4.00	i	4.00	4.00	16.00		0	2	
20	LANDAS	4	. X	KK		***		12,00	3	4.00	4.00	48.00		2	2	1118-2
21	ASAN	I	X	KK				7.00	2	3.50	4.00	28.00		I	2	1118-1
24	KERAMAT	0	X	KK				5.00	1	5.00	4.00	20.00	<b></b>	0	2	IIIA
	HATNASIR	1	ASTA	KK				5.00	- 1	5.00	4.00	20.00		0	2	
	I KAUT	2	ASTA	· KK				11.00	3	3.67	1.00	44.00		2	2	
	TUAN 2	2	asta	KK			•	5.00	1	5.00	4.00	20.00		0	2	
	N. I	4	ASTA	KK				11.00	3	3.67	4.00	44.00		2	2	
	KLARPAYAN 1	5	asta	KK				25.00	4	6.25	4.00	100.00		3	2	
	KLANPAYAN 2		ASTA	KB				12.00	3	4.00	4.00	48.00		2	2	
	KLAMPAYAN 3	6	ASTA	KK			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	12.00	3	4.00	4.00	4B.00		2	2	
26	SEI ALAT I		X	. KK				2.00	1	2.00	4.00			0	2	1118-2
	SEI ALAT 2		ASTA	KK			•	8.00	3	2.67	1.00			2	2	
	SEI ALAT 3		ASTA	KK				4.00	1	1.00	4.00			0	2	
	SEI ALAT 4		ASTA	KK				8.00	2	4.00	4.00	32.00		1	2	
	RUHBIA Keliukan	3	ASTA ASTA	· KK				2.00 9.00	1 3	2.00 3.00	4.00	8.00 36.00		0 2	2	
			*													
27	BESAK	1	X	KK				12.00	3	4.00	3.50	42.00		2	2	HA
	LAMBAU		KELI	KK				4.00	1 7	4.00	4.00	16.00		0	2 2	
	PATE HANBAWANG	4		KK				11.00	3	3.67	4.00	44.00		2	2	
	BADAN-DAN PAHATANG DANAU		KELI	KK KK			:	11.00	3 3	3.67 4.00	4.00 4.00	44.00 48.00		2	2	
	PASTRAHAN	2	X	K.K				4.00	i	4.00	4.00	16.00		0	2	: :-[[[B-:
26				7. 2.												

		-				
PROV	:	KAL IMANTAN	SELATAN	KAB	•	BANJAR

HO HO	BRIDSE NAME	Ka	from	(< TY (EXIST)				LENGTH (a)		SPAN LENGTH (m)	(a)	(EXIST) (m2)	AREA (NEM) (m2)	PIER (no)	ABUT (no)	ROAD CLASS
1	PEHURUSI	0	KRHR	KK	******	,		8.00	1	8.00	6.00	48.00		0	2	1114
	PENURUS2	1	KRHR	- KK				9.00	3	3,00	3.00	27.00		2	2	
	TATAN HALAYUNG	1	KRHR	KK				19.00	5	3.80	3.00	57.00		4	2	
	TABINGKAR	2	KRHR	KK				16.00	5	3.20	3.00	49.00		- 4	. 2	
	N. 1	2	KRHR		Ħ	BN50	(B)	4.00	1	4.00	4.00	0.00	16.00	0	2	
	TATAH BALAYUNG	3	KRHR	KK				1.00	l	4.00	4.00	16.00		0	. 2	
	TATAH PALATAR	3	KRHR	KK,	HŢ	BN50	(C)	8,00	1	8.00	4.00	12.00	32.00	. 0	2	
	T.PALATAR BARU		KRHR	KK	TH	BM50	(8)	4.00	1	4.00	4.00	5.60	16.00	0	2	
	TATAKPALATAR 1	4	KRHR	KK -				4.00	1	4.00	4.00	16.00		., 0	. 2	
	TATAHBALAYUNGI		KRHR	KK				4.00	. 1	4.00	4.00	16.00		0	2	
	PENANGKIH LAUT	5	KRHR	KK				9.00	3	3.00	4.00	36.00	*	2	2	
3	SET GAMBUT	1	, · <b>x</b>	KK				9.00	3	3.00	4.00	36.00		2	,2.	1118-1
	SEI KAPUK	1	GASU	KK				₹.00	1	4.00	4.00	16.00		ø	2	
	KAYU BAWANG	3		KK			*	4.00	i	4.00	4.00	16.00		0	2	
	ULIN PIPIT	_	GABU	KK		•		4.00	1	4.00	4.00	16.00		0	7	
	TAMPAK SIRANG		GABU	KK				9.00	3	3.00	4.00	36.00		2	2	
	TAMBAK SIRANGZ		GABU	KK				2.00	1	2.00	3.00	6.00		0	2	
	TATAH PANDAN		GABU	KK				2.00	1	2.00	3.00	6.00		0	2	
	SEI JERUJU		GABU	KK				8.00	1	6.00	4.00	24.00		. 0	2	
	TATAH PUMPUNG	9	GABU	КK				3.00	1	3.00	3.00	9.00		Û	2	
	PASAR ARBA	10	GABU -	KK				9.00		4.50	4.00	36.00		1.	7	
4	PASAR ARBA	0	X	. KK				8.00	2	4.00	1.00	32.00		1	2	IIIA
	TALOK	6	PAAR	KK				4.00	1	4.00	4.00	16.00		0	2	
	ANTASAN	6	PAAR	KK				6.00	2	3.00	4.00	24.00		ļ	2	
	TATAH DANGKAL		PAAR	KK				11.00	- 2	5.50	4,00	44.00		i	2	
	N.1 1		PAAR	KK	.*			11.00	2	5.50	4,00	44.00		1	2	
	N.1 2	8	PAAR	, KK				9.00	2	4.50	4.00	36.00		1	2	
	KABUAU KECIL		PAAR	KK				5.00	- 1	5.00	4.00	20.00		0	2	
	N. I 3		PAAR	KK				2.00	1	2.00	4.00	8.00		. 0	2	
	N. I 4		PAAR	KK				2.00	1	2.00	4.00	8.00	•	0	2	
	KABUAU	9	PAAR	KK			•	9.00	2	4.50	4.00	36.00		1	2	
	PARIT KECIL	10	PAAR	KK				22.00	4	5.50	4.00	88.00		3	2	
	PARIT BESAR		PAAR	KK				30.00	•	7.50	4.00	120.00		3	2	
	N. 1 5			KK				5.00	i	5.00	4.00	20,00		0	2	
	PIPIH	20	PAAR	KK				5.00		5.00	4.00	20.00		0	2	
	H. I 6	10		KK				4.50	ı	4.50	4.00	18.00		0	2	
	H. I. 7		PAAR	KK				7.00	2	3.50	4.00	28.00		1	2	
	N. 1 8	11	PAAR	KK				6.00	2	3,00	1.00	24.00		1	2	
	N.I 9	11	PAAR	KK			· 	4.00		4.00	4.00	16.00		0	2	
5	MALINTANS	1	X	Ŕĸ				8.00	2	4.00	4.00	32.00		i	2	1118-1
	N.I 1	1	NLT6	KK				4.00	1	4.00	4.00	16.00		0	2	
	N.1 2	i	HLTG	KK				4.00	1	4.00	4.00	16.00		0	2	
	BINTANG UR	2	MUTG.	KK				4.00	-	4,00	4.00	16.00		0	2	
	HANDIL DUA	3	HLT6	KK				4.00	1	4.00	4.00	16.00		0	2	
	PUDAK	3	MLTG	, KK	·			4.00		4,00	4.00	16.00		0	2	
6	PASAK KENIS	i	X	KK	١.	÷		4.00	1	4.00	4.00	16.00		0		1118-2
	SEI DELINA	2	6PAP	KK				2.00	i	2.00	4.00	8.00		0	2	

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

PROV : KALIMANTAN SELATAN KAB : BANJAR

LINK NO : 1 (IIIA) LENGTH : 5 km

· · · · · · · · · · · · · · · · · · ·							( Rp )
TIEH STATE	TINU	YTTHAUQ	<<< UNIT LOCAL	COST >>> FOREIGN	(((((	COST FOREIGN	>>>>> Total
						* * * * * * * * * * * * * * * * * * * *	
Superstructure (Timber;Span 3m;101)	R2	0.00	36,412	1,083	0	0	
Superstructure (limber;Span 5m;101)	:- 12	0.00	40,332	4,508	0	· ò	
Superstructure (fimber/Span 8m;101)	42	0.00	53,420	5,921	0	0	
Superstructure (Timber; Span 3m; BH50)	<b>#2</b>	0.00	45,149	5,048	0	ň	
Superstructure (Timber)Span Saj0H50)	• •2	32.00	49,290	5,469	1,577,280	175,008	1,752,28
Superstructure (Timber;Span 0m;BM50)	•2	32.00	62,512	6,723	2,000,394	221,536	7,221,92
Superstructure (Concrete;Span 3m; PM50)	#2	0.00	43,442	85,218	-,000,000	0	rjenijie
Superstructure (Concrete; Span 5a; BH50)	<b>a</b> 2	0.00	14,766	95,130	ò	Ó	
Superstructure (Concrete; Span 8m; BH50)	42	0.00	46,228	103,557	ő	0	
Superstructure (Concrete; Spanion; BH50)	n2	0.00	50,653	117,519	Ö	0	
Superstructure (Concrete:Span(5m; BMSO)	e 2	0.00	54,835	138,305	0	0	1
Substructure (Pier; for Timber; 101)	NO	0.00	317,235	37,989	0	0	
Substructure (Abutifor Timber: 101)	NO	0.00	913,669	171,942	0	•	ı
Substructure (Piersfor Timber: 8850)	HO	0.00	166,567	56,232	0	0	
Substructure (Abutifor Timber 19850)	NO.	6.00			1 150 713	1 150 600	7 710 07
Substructure (Pier; for Concrete; BH50)	NO NO	0.00	1,026,452 1,647,543	192,037	6,158,712	1,152,227	7,310,93
Substructure (Abut; for Concrete; BNSO)	HO	0.00		467,119	0	0	
Demolition of Bridge (limber->limber)	nu 87	17.60	3,478,338	982,678	0	0	200 10
Demolition of Bridge (limber-)Concrete)	62	0.00	10,350	1,551	182,160	27,297	209,45
Descrition of Bridge (Concrete)	_		.,	1,551	0	. 0	, ,
negativing of prinds concrets.	<b>.</b> 2	0.00	77,433	67,135	0	0	
Naintenance of Timber Bridge (New)	42	64.00	6,982	1,232	440,448	78,848	519,29
Maintenance of Concrete Bridge (New)	<b>£</b> 2	0.00	1,759	2,656	0	Q	
Maintenance of Timber Bridge (Exist)	62	264.00	7,507	2,460	1,981,848	649,440	2,631,28
Maintenance of Concrete Bridge (Exist)	· a2	0.00	4,417	2,375	0	0	. ,
( Without Overhead )		OTAL COST	(Timber Bride	ne)	9,918,536	1,576,063	11,494,59
			(Concrete Bri		0	. ()	,,
	1	OTAL COST	lwithout Hair		9,918,536	1,576,063	11,494,59
( Overhead : 15% )		OTAL COST	(Timber Bride	ie)	11,406,316	1,812,472	13,218,78
	· ·		(Concrete Bri		0	0	,,
	1	DIAL COST	(without Hair	-	11,406,316	1,812,172	13,219,78

: KALIMANTAN BELATAN

LINK NO : 3 (IIIB-1) LENGTH : 10 Km

						* * * .		( Rp	i }
TEH		UNIT	ALLINVO	<<< UNIT LOCAL	COST >>> FOREIGN	\{\\\\ LOCAL	COST FOREIGN	>>>>> 101	
	***********								
Superstructure (Tieber;Spa	1 3a; [0]]	92	0.00	36,412	4,083	Q .	0	1.1	. (
Superstructure (Timber:Spa		<b>a</b> 2	0.00		4,508	0	0		(
Superstructure (Timber,Spa		m2	0.00	53,420	5,921	0	0	100	1
Superstructure (Timber:Spa		<b>a</b> 2		45,149	5,048	0	0		į
Superstructure (Mimber:Spa		42	0.00	49,290	5,469	0	. 0		÷
Superstructure (Timber:Spa		•2	0.00	62,512	6,923	0	Ó		
Superstructure (Concrete;S		• • 2	0.00	43,442	85,218	0			٠.
Superstructure (Concrete;S		#2	0.00		95,130	ñ	0		
Superstructure (Concrete;S		#2 82		46,228	103,557	6	Ó		
imperstructure (Concrete;S		m2		50,653	117,519	0	. n		
						Ó	^	•	•
Superstructure (Concrete;S		<b>62</b>		\$1,835	138,305	0	Ň		
Substructure (Pier; for Tim		KO			37,989	0	, v		
Substructure (Abut; for Tim		NO	0.00	913,669	171,942	0	V		
iubstructure (Pier;for Tim		NO	0.00	466,567	56,232	U	0 -		
Substructure (Abut; for Timi		KO	0.00	1,026,452	192,037	Ç	,0	11	
Substructure (Pier;for Con		· NO	0.00	1,647,543	467,119	0	0		
Substructure (Abut;for Cond		NO	0.00	3,478,338	982,678	0	0	100	
Demolition of Bridge (Timb		. <b>≥</b> 2	0.00	10,350	1,551	0	0		
lemolition of Bridge (Timb	er->Cancrete)	• <b>₩2</b>	0.00	10,350	1,551	. 0	0 -		
emotition of Bridge (Conc	retel	- •2	0.00	77,433	67,135	•	0		
aintenance of Timber Brid	ie (New)	•2	0.00	6,882	1,232	. 0	. 0		
laintenance of Concrete Br		<b>e</b> 2	0.00	1,759	2,656	0 .	. 0		
laintenance of Timber Brid		<b>a</b> 2		7,507	2,460	1,508,907	494,460	2,003,	36
laintenance of Concrete Br		<b>e</b> Z	0.00	4,417	2,375	0	. 0	.,,	
( Without Over	head )	·	OTAL COST	(Timber Bridg		0	0	******	
				(Concrete Bri		. 0	. 0		
		i	OTAL COST	(without Mair	itenance)	Ċ ·	0		
( Overhead : .	157 1		nial ther	(limber Brid	nol	0	0		
i uverneso i	IVA F	,	uini 6431	(Concrete Bri		. 0	0		
			ntal Phot		. •	O O	V		
			UIAL LUST	(without Mair	ireusucei	U	U		

LINK NO : 4 (IIIA) LENGTH : 11 Km

							( Rp
I TEH	UNIT	QUANTITY	CCAL VIII	COST >>> FOREIGN	(((((	COST FORE I GH	\\\\\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
			:	~			
uperstructure (limber;Span Ja;101)	92	0.00	36,412	4,083	0	0	
uperstructure (Timber;Span 5m;101)	e2		40,332	1,508	. 0	0	
uperstructure (Timber;Span 8m;101)	<b>a</b> 2		\$3,420	5,921	. 0	0	
uperstructure (Timber;Span 3m;BM50)	<b>#</b> 2	0.00	45,149	5,048	Ô	. 0	
uperstructure (Timber;Span 5m;RM50)	ø2	0.00	49,290	5,469	0	0	
uperstructure (Timber;Span 8m;8H5O)	<b>a</b> 2		62,512	6,923	0 ·	0	
uperstructure (Concrete;Span 3m; PH50)	e2		43,442	85,218	. 0	0	
uperstructure (Concrete;Span Sm;BH50)	p2		44.766	95,130	. 0	0	
uperstructure (Concrete;Span 8m;8M50)	#2		16,228	103,557	0	=	
uperstructure (Concrete;Span10m;BH50)	<b>#</b> 2		50,653	117,519	. 0	0	
uperstructure (Concrete;Spani5m;8N50)	<b>a</b> 2		54,835	138,305	0	0	
ubstructure (Pierifor Timber;107)	NO		317,235		-	0	
ubstructure (Abut; for Timber; 101)	KO			37,989	0	0	
ubstructure (Pier; for Timber; 8850)	NO	:	466,567	171,942	0	0	
ubstructure (Abut; for Timber; 8850)	NO			56,232	. 0	0	
ubstructure (Pier; for Concrete; BNSO)	NO.		1,026,452	192,037	0	8	
ubstructure (Abut; for Concrete; BM50)	NO.		1,647,543	467,119	0	0	
exolition of Bridge (limber-)Timber)	nu e2		3,478,338	982,678	0	0	
emplition of Bridge (Timber->Concrete)			10,350	1,551	0	0	
emolition of Bridge (Concrete)	#2		10,350	1,551	,0	Û	
engircian ni bilade (cancisis)	*1	0.00	77,433	67,135	0	0	
aintenance of Timber Bridge (New)	. •2	0.00	6,882	1,232	0	0	
aintenance of Concrete Bridge (New)	a2	0.00	1,759	2,656	. 0	ò	
aintenance of Timber Bridge (Exist)	<b>=</b> 2	602.00	7,507	2,460	1,519,214	1,480,920	6,000,1
aintenance of Concrete Bridge (Exist)			4,417	2,375	0	0	0,000,0
( Without Overhead )	1		(Timber Bridg		0	0	
			(Concrete Bri	dge)	0	0	
	1	IOTAL COST	(without Hair	tenance)	0	0	
t Overhead : 15% )	,	TENS LATER	llimber Bridg	ie)	0	0	
1 Dictued 1 10% 1			(Concrete Bri		Õ	Ö	
			TOWNER CALL OF E	****	¥	¥	

LINK NO : 5 (IIIB-1) LENGTH : 3 Km

						<u> </u>	( Rp
1 T E H	UNIT	QUANTITY	<<< UNIT	COST >>> FOREIGN	((((( Local	COST FOREIGN	\\\\\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
				i a magigi a gradi a delever e e e e e e e e e e e e e e e e e e			~~~
uperstructure (Timber;Span 3m;10T)	m2	0.00	36,412	4,083	• 0	0	
uperstructure (Timber;Span 5m;101)	<b>e</b> 2	0.00	40,332	4,508	0	0.	
uperstructure (Timber;Span 8m;101)	<b>e</b> 2	0.00	53,420	5,921	0	0	
uperstructure (limber Span 3m;9N50)	a2	0.00	45,149	5,048	0	0	•
uperstructure (Timber;Span 5m;8H5O)	<b>#</b> 2	0.00	49,290	5,469	. 0	0	
uperstructure (Timber:Span 8m;9850)	-2	0.00	62,512	6,923	0	0	
uperstructure (Concrete;Span 3m;BH50)	*2	0.00	43,442	85,218	0	0	
uperstructure (Concrete; Span 5m; BM50)	<b>n</b> 2	0.00	44,766	95,130	0,	0	
uperstructure (Concrete;Span 8m;8H50)	. #2	0.00	46,228	103,557	0	. 0	
uperstructure (Concrete;Span10m;BM50)	■2	0.00	50,653	117,519	0	0	
uperstructure (Concrete;Span15q;BNSO)	#2	0.00	54,835	138,305	0	9	
ubstructure (Pier; for Timber; 101)	NO	0.00	317,235	37,999	0	0	
ubstructure (Abut; for Timber; 101)	NO	0.00	913,669	171,942	* - * O	0	•
ubstructure (Pier:for Timber: BM50)	KO	0.00	466,567	56,232	0	0	
ubstructure (Abut;for Timber;BMSO)	NO	0.00	1,026,452	192,037	. 0	. 0	
obstructure (Pierifor Concrete; 8H5O)	NO	0.00	1,647,543	467,119	Ō	0	
ubstructure (Abut; for Concrete; 8850)	KO	0.00	3,478,338	982,678	ò	. 0	
emolition of Bridge (limber->limber)	#2	0.00	10,350	1,551	Ò	0.	
emolition of Bridge (limber->Concrete)	a 2	0.00	10,350	1,551	Ŏ	Ů	:
Paolition of Bridge (Concrete)	a2	0.00	77,433	67,135	ò	Ó	
addition of bridge tounctives	82	7177	77,100	0,1,00	·	•	
intenance of Timber Bridge (New)	#2	0.00	6,802	1,232	0.0	0	
intenance of Concrete Bridge (Nex)	<b>B</b> 2	0.00	1,759	2,656	0	0	
intenance of limber Bridge (Exist)	<b>#</b> 2	112.00	7,507	2,460	840,784	275,520	1,116,3
ointenance of Concrete Bridge (Exist)	<b>6</b> 2	0.00	4,417	2,375	0	0	
( Without Overhead )	 I	OTAL COST	(Timber Bridg	ne)	0	0	
1 164 2 13 2 W F F F F F F F F F F F F F F F F F F			(Concrete Bri		0	0	
	1	OTAL COST	(without Hair	•	0	0	
I Book to a Levy 1		ATAL DON'T	181 ala - 8-13		A	0	
( Overhead : 15% )	1	UTAL COST	(limber Bride		0	0	
	_	074) nad*	(Concrete Bri	•	V	0	
	. 1	UIAL COST	lwithout Mair	rcenance)	0	0	

							( Rp
TER.	UNIT	QUANTITY	<<< UHIT LOCAL	COST >>> Foreign	<<<<< Local	COST FOREIGN	<<<<<
Superstructure (Timber;Span 3m;10T)	•2	0.00	36,412	ena s			
Superstructure (limber;Span Sm;10T)	a2	0.00	10,332	1,083	0	0	
iuperstructure (Timber;Span Bo;tOT)	. B2	0.00	53,420	1,50B	0	Q	
uperstructure (Timber:Span Sm:8850)	e2	0.00	45,149	5,921	0	0	
uperstructure (Timber;Span 5m;BNSO)	a2	0.00	•	5,040	0	0	
uperstructure (limber:Span Bm;BH50)	a?		47,290	5,169	. 0	0	
uperstructure (Concrete;Span 3m;BHSO)	e2	0.00	62,512	6,923	0	Q	
uperstructure (Concrete;Span Sa;BHSO)	#Z	0.00	43,442	95,218	0	0	
uperstructure (Concrete;Span 8m;8H50)		0.00	44,766	95,130	0	0	
uperstructure (Concrete;Spaniom;BHSO)	9.2	0.00	46,228	103,557	. 0	Û	
operstructure (Concrete;Spaniom;BNSO)	92	0.00	50,653	117,519	0 .	0	
	#2	0,00	54,935	138,305	0	0	
ubstructure (Pier; for Timber; 101)	NO.	0.00	317,235	37,989	Ó	0	
ubstructure (Abutifor Timber;101)	HO	0.00	913,669	171,942	0	0	
ubstructure (Pier; for Timber; BH50)	HO	0.00	466,567	56,232	0	0	
ubstructure (Abutyfor Timber;BH50)	NO	0.00	1,026,452	192,037	0 -	0	
ubstructure (Pier; for Concrete; BM50)	NO	0.00	1,647,543	467,119	. 0	0	
ubstructure (Abut;far Concrete;9M50)	KO	0.00	3,478,330	982,678	0	Q	
emolition of Bridge (Timber-)Timber)	e2	0.00	10,350	1,551	0	0	
emolition of Bridge (Timber->Concrete)	€2	0.00	10,350	1,551	0	0	
emotition of Bridge (Concrete)	<b>a</b> 2	0.00	77,433	67,135	0	0	
aintenance of Timber Rridge (New)	<b>a</b> 2	0.00	6,882	1,232	0	Û	
aintenance of Concrete Bridge (New)	<b>a</b> 2			2,656	.0	0	
aintenance of Timber Bridge (Exist)	<b>a</b> 2	106.00	7,507	2,160	795,742	260,760	1,056,50
aintenance of Contrele Bridge (Exist)	<b>=</b> 2	0.00	4,417	2,375	0	. 0	
/ Without Burney V	7	77A) CADY	/T:-k D-: /-	1	^		
( Without Overhead )	- 11	RINE FORI	(Timber Bridg		0	0	
	7.6	14n rapt	(Concrete Bri (without Hain		0	0	
		JIHE CUSI	(Without hain	icenance:	V	V	
( Overhead : 151 )	Tí	OTAL COST	(Timber Bridg	je)	0	0	
			(Concrete Bri		0	ŋ	
	I	DIAL COST	(without Hain		0	0	

LINK NO : 7 (IIIC) LENGTH : 8 Km

1 Rp	)
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11 E H	UNIT	QUANTITY	<<< UNIT	COST )>> FOREIGN	(((((		//////////////////////////////////////
					1		44 <u>45 44 45 45 45 45 45 45 45 45 45 45 45 4</u>
Superstructure (Timber;Span 3m;101)	a2	0.00	36,412	4,093	0	0	. 0
Superstructure (limber:Span Sm:101)	<b>#</b> 2	96.00	40,332	4,500	3,871,872	432,760	4,304,640
Superstructure (limber:Span 8m;101)	a2	0.00	53,420	5,921	0	. 0	. 0
Superstructure (Timber:Span 3m:RMSO)	<b>æ</b> 2	0.00	45,149	5,048	0	0	0
Superstructure (Timber:Span 5m;BMSO)	m2	0.00	49,290	5,469	0	0	
Superstructure (Timber:Span Bm:8M50)	<b>a</b> 2	0.00	62,512	6,923	Ò	0	(
Superstructure (Concrete; Span 3m; 8HSO)	a2	0.00	43,442	85,218	0	0	. 0
Superstructure (Contrete;Span 5m;8850)	<b>a</b> 2	0.00	44,766	95,130	0	0	0
Superstructure (Concrete;Span 8m;8H5O)	<b>#</b> 2	0.00	16,228	103,557	0	0	0
Superstructure (Concrete; Span LOm; BHSO)	a2	0.00	50,653	117,519	0	0	0
Superstructure (Concrete;Span15m;BHSO)	a2	0.00	54,835	138,305	0	. 0	Ò
Substructure (Pierstor Timber;101)	NO	4.00	317,235	37,989	1,260,940	151,956	1,420,896
Substructure (Abut; for Timber; 10T)	NO	4.00	913,669	171,942	3,654,676	687,768	4,342,444
Substructure (Pier; for Timber; 8N50)	NO	0.00	466,567	56,232	0	. 0	, o
Substructure (Abut; for Timber; 8850)	KO	0.00	1,026,452	192,037	. 0	0	0
Substructure (Pier; for Concrete; BMSO)	KO	0.00	1,647,543	467,119	0	0	
Substructure (Abut; for Concrete; 8X50)	NO		3,478,338	982,678	0	0	
Demolition of Bridge (Timber-)Timber)	<b>s</b> 2	60.00	10,350	1,551	621,000	93,040	714,060
Demolition of Bridge (Timber-)Concrete)	<b>A2</b>	0.00	10,350	1,551	Ď	0	0
Demolition of Bridge (Concrete)	a?	0.00	77,433	67,135	0	0	0
faintenance of Timber Bridge (New)	- <b>a</b> 2	96.00	6,882	1,232	660,672	118,272	778,944
laintenance of Concrete Bridge (New)	≥2	0.00	1,759	2,656	0	0	
faintenance of limber Bridge (Exist)	. #2	136.00	1,507	2,460	1,020,952	334,560	1,355,512
daintenance of Concrete Bridge (Exist)	<b>e</b> 2	0.00	4,417	2,375	0	0	(
( Without Overhead )		OTAL COST	llimber Bridg		9,416,488	1,365,552	10,782,040
			(Concrete Bri		0	0	
		OTAL COST	(without Main	tenance)	9,416,408	1,345,552	10,782,040
( Overhead : 15% )	1	OTAL COST	(Timber Bridg	je)	10,828,961	1,570,385	12,399,34
			(Concrete Bri		0	0	
			1001101 010 91 4				

LINK NO : 11 (1118-1) LENGTH : 8 Km

							( Rp )
11EB	UN	YEJTHAUD TE	<<< UNIT	COST >>>	\\\\\ LOCAL	COST FOREIGN	>>>>> 101NL
	****	~~~~~~~~			~~~~~~~~~		
Superstructure (Timber;Span 3m;10T)		e2 0.00	36,412	4,083	. 0	0	
Superstructure (Fimber; Span 5a; 101)		2 0.00	40,332	4,508	0	ò	
Superstructure (Timber;Span 8m;101)		a2 0.00	53,420	5,921	ů.	0	,
Superstructure (limber; Span 3m; BM50)		2 0.00	45,149	5,048	Ŏ.	Ô	
Superstructure (fimber;Span 5m;BMSO)		2 0.00	49,290	5,169	Ů	Ô	
Superstructure (Timber;Span Om;BH50)		m2 0.00	62,512	6,923	ŏ	Ô	
Superstructure (Concrete;Span 3a;8H50)		e2 0.00	43,442	85,218	ň	0	
Superstructure (Concrete; Span 5m; 8H50)		m2 0.00	-	95,130	Ŏ	0	
Superstructure (Concrete;Span 8e;8H50)		2 0.00	46,228	103,557	n	Ò	
Superstructure (Concrete;SpaniOa;BMSO)		0.00	50,653	117,519	. 0	. 0	
Superstructure (Concrete;Spanl5m;RH50)		m2 0.00	51,835	138,305	ó	0	·
Substructure (Pier; for Timber; 101)		ND 0.00	317,235	37,989	Ŏ	Ò	
Substructure (Abut; for Timber; 101)		NO 0.00	913,669	171,942	: Å	0	
Substructure (Pierifor Timber; BM50)		ND 0.00	166,567	56,232	0 -	n	
Substructure (Abut; for Timber; BM50)		NO 0.00	1,028,452	192,037	0	. 0	
Substructure (Pier; for Concrete; 8M50)		ND 0.00	1,647,543	467,119	. 0	0	
Substructure (Abutifor Concrete; RH50)		NO 0.00	3,478,338	982,678	Ö	0	
Demolition of Bridge (Timber-)Timber)		2 0.00	10,350	1,551	Ó	Ŏ	
Demolition of Bridge (Timber-)Concrete)		a2 0.00	10,350	1,551	0	0	
Demolition of Bridge (Concrete)		0.00	77,433	67,135	Ŏ	Ŏ	
laintenance of limber Bridge (New)		n2 0.00	6,882	1,232	0	0	
laintenance of Concrete Bridge (Hew)		2 0.00	1,759	2,656	0	0	
laintenance of Timber Bridge (Exist)			7,507	2,160	420,392	137,760	558,15
Maintenance of Concrete Bridge (Exist)		a2 0.00	4,417	2,375	0	0	,
( Without Overhead )		TOTAL COST	(Timber Bridg		0	. 0	
			(Concrete Bri		0	0	
:		TOTAL COST	(without Hair		0	0	
		·					
( Overhead : 151 )		TOTAL COST	(Timber Bridg	ie)	0	0	
			(Concrete Bri		0	0	
		TOTAL COST	(without Main	tenancel	0	0	

LINK NO : 19 (IIIC) LENGTH : 3 Km

							( Rp
ITEH	UNIT	YTJTHAUQ	<<< UNIT	COST >>> FOREIGN	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	COST FOREIGN	>>>>> Tota
		******	i in 14 30 10 10 10 10 10 10 10 10 10 10 10 10 10				
uperstructure (HimberjSpan 3m;101)	<b>2</b> 2	0.00	36,412	4,083	0	0	
Superstructure (limber;Span 5m;101)	•2	0.00	40,332	4,508	0	0	
Superstructure (Timber;Span 8m;10T)	62	0.00	53,420	5,921	· <b>Q</b>	0	
uperstructure (Timber:Span 3m;BN50)	<b>e</b> 2	0.00	45,149	5,048	0	0	
uperstructure (limber;Span 5m;BN50)	■2	0.00	49,290	5,469	0	0	
Superstructure (Timber;Span 8m;BN50)	e2	0.00	62,512	6,923	0	. 0	
uperstructure (Concrete;Span 3m;BMSO)	2	0.00	43,442	85,218	0	0	
uperstructure (Concrete;Span 5a;BN50)	<b>s</b> 2	0.00	44,766	95,130	0 .	0	•
uperstructure (Concrete;Span 8m;BMSO)	#2	0.00	48,228	103,557	0	0	
uperstructure (Concrete; Span10m; BH50)	. ≥2	0.00	50,653	117,519	<b>D</b> .	0	
uperstructure (Concrete;Spani5m;RH50)	<b>A2</b>	0.00		138,305	0	0	
ubstructure (Pier;for Timber;101)	NO	0.00	317,235	37,989	0	0	
ubstructure (Abut;for Timber;10T)	NO	0.00	913,669	171,912	. 0	0	
ubstructure (Pier; for Timber; BH50)	NO	0.00	466,567	56,232	n	Ô	
ubstructure (Abut;for Timber;BN50)	NO	0.00	1,026,452	192,037	. A	Ŏ	
ubstructure (Pier;for Concrete;8850)	NO	0.00	1,647,543	467,119	0		
ubstructure (Abut;for Concrete;BMSO)	NO	0.00	3,478,338	982,678		ň	
emplition of Bridge (limber-)Timber)	nu •≢2	0.00	10,350	-	^	0	
				1,551	0	0	
emolition of Bridge (finber->Concrete)	• • <u>• 2</u>	0.00	10,350	1,551	Ů.	V	
emolition of Bridge (Contrete)	92	0.00	77,433	67,135	V	Ū	
aintenance of Timber Bridge (New)	<b>8</b> 2	0.00	6,892	1,232	0	. 0	
sintenance of Concrete Bridge (Rew)	.2	0.00	1,759	2,656	0	0:	
aintenance of lieber Bridge (Exist)	#2	68.00	7,507	2,460	510,476	167,280	677,73
aintenance of Concrete Bridge (Exist)	<b>±</b> ?	0.00.	,4,417 -	2,375	.0.	0	
( Without Overhead )	 [	DIAL COST	(Timber Bridg	le)	. 0	. 0	
			(Concrete Dri	dge)	0	. 0	
	Ţ	OTAL COST	lwithout Hain		0 .	. 0	
( Overhead : 15% )	. 1	DIAL COST	(Timber Bridg		0	0	
		4.1	(Concrete Bri	•	0	Û	
	. 1	DIAL COST	(without Hair	tenance)	0	. 0	

1.1NK NO : 20 (1118-2) LENGTH : 5 Km

4 M A M M — — — — — — — — — — — — — — — —	*======	********					t Rp
T.T.E.H.	TIKU	YTTHAUG	<<< UNIT	COST >>> FOREIGN	((((( Local	COST FOREIGN	///// fota
one atomation of the surface 7 - Lors					*****		
uperstructure (Timber;Span 3m;10f)	42	0.00	36,412	4,083	0	0	
uperstructure (Timber;Span 5m;101)	a2	0.00	40,332	1,508	0	0	
uperstructure (limber; Span 8m; 101)	n2	0.00	53,420	5,921	0	0	
uperstructure (Timber;Span 3m;BH50)	#2	0.00	45,149	5,040	. 0	0	
uperstructure (fimber;Span 5a;BH50)	<b>#</b> 2	0.00	49,290	5,469	0	0	•
uperstructure (fimber;Span 8m;8H50)	₽2	0.00	62,512	6,723	0	0	
uperstructure (Concrete;Span 3m;BH50)	•2	0.00	43,442	85,218	Ó	Ò	
uperstructure (Concrete;Span SmjBH50)	<b>e</b> 2	0.00	44,766	95,130	. 0	0	
uperstructure (Concrete;Span 8a;8H50)	#2	0.00	46,228	103,557	Ŏ	Õ	
uperstructure (Concrete;SpaniOe;BH50)	<b>#2</b>	0.00	50,653	117,519	Ň	0	
uperstructure (Concrete;Span15m;BX50)	82	0.00	54,835	138,305	ŏ	0	
ubstructure (Pier; for Timber; 10T)	ND	0.00	317,235	37,989	Ŏ	0	
ubstructure (Abut;for Timber;101)	NO	0.00	913,669	171,942	Ö	0	
ubstructure (Pierifor Timber: 8M50)	HO	0.00	466,567	56,232	٨	0	
ubstructure (Abut; for Timber; 8H50)	NO.	0.00	1,026,452	192,037	0	0	
ubstructure (Pier;for Concrete;8850)	HO	0.00	1,647,543	467,119	ŏ	Ó	
ubstructure (Abut;for Concrete;8X50)	NO	0.00	3,478,338	982,478	ő	0	
emotition of Bridge (Timber-)Timber)	n2	0.00	10.350	1,551	ŏ	0	
emolition of Bridge (Himber-)Concrete)	<b>m</b> 2	0.00	10,350	1,551	0	Ô	
exolition of Bridge (Concrete)	<b>a</b> 2	0.00	77,433	67,135	0	0	
aintenance of Timber Bridge (New)	. •2	0.00	6,882	1,232	0	0	
aintenance of Concrete Bridge (New)	<b>a</b> 2	0.00	1,759	2,656	ě	Ŏ	
aintenance of Timber Bridge (Exist)	<b>m2</b>		7,507	2,160	360,336	118,080	478,41
aintenance of Concrete Bridge (Exist)	<b>a</b> 2	0.00	4,417	2,375	0	0	170,11
t Without Overhead )		DIAL COST	llimber Bridg	5)	0	0	
	•		(Concrete Bri		ŏ	Ŏ	
	ī	OTAL COST	(without Main		ò	0	
1 m		ntal Copt	/Ti_k M_:J-	al			
( Overhead : 15% )	1	DINE FASI	(Timber Bridg		0	0	
			(Concrete Bri		V	V	
· ·		Mesi Phar	lwithout Hain	1 1	0	0	

LINK NO : 21 (IIIB-1) LENGTH : 2 Km

							(Rp.)
11 E H	UNIT	YTTKAUG		COST >>> FOREIGN	CCAL	COST FOREIGN	>>>>> TOTAL
4 4 10 10 10 10 10 10 10 10 10 10 10 10 10							
Superstructure (Timber;Span 3m;101)	<b>#2</b>		36,412	4,083	0	Q.	
Superstructure (Timber;Span 5m;10T)	92	0.00	40,332	4,508	0	. 0	
Superstructure (Timber;Span 8m;101)	<b>u</b> 2	0.00	53,420	5,921	0	0	
Superstructure (Timber;Span 3m;BM50)	<b>a</b> 2	0.00	45,149	5,048	0	0	
Superstructure (fimber;Span 5m;BN50)	•2	0.00	49,290	5,469	0	0	
Superstructure (Timber;Span 8#;BH50)	42	0.00	62,512	6,923	. 0	0	
Superstructure (Concrete;Span 3m;BN50)	42	0.00	43,442	85,218	0	0	
Superstructure (Concrete:Span 5m;BMSO)	<b>a</b> 2	0.00	44,766	95,130	0	0	•
Superstructure (Concrete;Span 8m;BX50)	n 2	0.00	46,228	103,557	0	0	
Superstructure (Concrete;Span10a;BH50)	<b>+2</b>	0.00	50,653	117,519	0	0	
Superstructure (Concrete:SpaniSe;BNSO)	m2	0.00	54,835	138,305	0	0	٠.
Substructure (Pier; for Timber; 101)	NO	0.00	317,235	37,989	0	0	
Substructure (Abut; for Timber; 101)	NO	0.00	913,669	171,942	.0	0	
Substructure (Pierifor Timber;BH50)	NO	0.00	466,567	56,232	0	0	
Substructure (Abut; for Timber; 8H50)	: No	0.00	1,026,452	192,037	0	0	
Substructure (Pier; for Concrete; BM50)	ЖO	0.00	1,647,543	467,119	0	Ò	
Substructure (Abut; for Concrete; 8X50)	, NO	0.00	3,478,338	982,678	0	0	•
Pemolition of Bridge (Timber->Timber)	<b>a</b> 2	0,00	10,350	1,551	0	0	
lemolition of Bridge (limber->Concrete)	#2	0.00		1,551	0	0	
Demolition of Bridge (Concrete)	<b>a</b> 2	0.00	77,433	67,135	0	0	
laintenance of Timber Bridge (Hew)	•2	0.00	6,882	1,232	0	0	
laintenance of Concrete Bridge (New)	<b>m</b> 2	0.00	1,759	2,656	. 0	0	
laintenance of Timber Bridge (Exist)	<b>a</b> 2	28.00	7,507	2,460	210,196	098,88	279,07
laintenance of Concrete Bridge (Exist)	•2	0.00	4,417	2,375	0	0	
( Without Overhead )	 I	OTAL COST	(Timber Bridg		0	0	
•			(Concrete Bri		0	. 0	
	· T	OTAL COST	(without Main	tenancel	0	0	
( Overhead : 15% )		OTAL COST	(Timber Bridg	ie)	0	0	
			(Concrete Bri		. 0	0	

TROV : KALLHANTAN SELATAN KAB : DANJAR

LITTLE BID : 24 CITTAD ... LINGTH :  $\delta$  km

							( Rp )
TTEHOUSE STATE	UNIT	QUANTITY	<<< UNIT LOCAL	COST >>> FOREIGH	<<<<<	COST FOREIGN	>>>>> TOTAL
		~~==		**********		4=*****	
Superstructure (limber;Span 3m;101)	9.5	0.00	36,412	4.083	· <b>0</b>	٥	(
Superstructure (Timber;Span 5m;101)	2	0.00	40,332	4,508	0	0	,
Superstructure (limber:Span 8m;101)	•2	0.00	53,420	5,921	0	٨	
Superstructure (limber; Span 3m; 8M50)	<b>a</b> 2		45,149	5,049	ŏ	0	,
Superstructure (Timber; Span 5m; 8H50)	<b>e</b> 2	0.00	19,290	5,469	ŏ.	. 0	
Superstructure (limber;Span Bm;BH50)	e2	0.00	62,512	6,923	Λ.	0	
Superstructure (Concrete; Span Ja; BH50)	<b>82</b>	0.00	43,442	85,218	0	0	
Superstructure (Concrete; Span 5m; 8H50)	a2	0.00	11,766	95,130	0	٥	,
Superstructure (Concrete; Span Bm; 8H50)	#2			103,557	Ŏ	0	ı
Superstructure (Concrete; SpantOm; BHSO)	2	0.00	50,653	117,519	Ŏ	۸.	
Superstructure (Concrete; Span15e; 8H50)	a2	0.00	51,835	138,305	0	0	
Substructure (Pier;for Timber;101)	NO	0.00	317,235	37,989	Ŏ	0	
Substructure (Abut; for Timber; 101)	KO			171,942	۸	0	
Substructure (Pier; for Timber; DMSO)	KO	0.00	166,567	56,232	V	. 0	
Substructure (Abut; for Timber; BM50)	- 80		1,026,452	192,037	0	Ů	
Substructure (Pier; for Concrete; BMSO)	NO NO		1,647,543	467,119	0	0	
Substructure (Abut; for Concrete; BASO)	NO	0.00	3,479,338	982,678	0	0	
Desolition of Bridge (Timber-)Timber)	#2	0.00	10,350	1,551	0	0	
Demolition of Bridge (Timber-)Concrete)	42	0.00	10,350	1,551	0	0	
Demolition of Bridge (Concrete)	e2	0.00	77,433	67,135	Q	0	
schotteren ar errage taduetacer		0.00	11,1400	411122	V	V	
Maintenance of Timber Bridge (New)	·#2	0.00	6,882	1,232	0	0	
Maintenance of Concrete Bridge (New)	•2	0.00	1,759	2,656	0	0	
faintenance of Timber Bridge (Exist)	m2		7,507	2,460	2,222,072	728,160	2,950,23
faintenance of Concrete Bridge (Exist)	. • 2	48.00		2,375	212,016	114,000	326,01
( Hithout Overhead )		DIAL COST	{Timber Brldg	e)	0	0	
	•		(Concrete Bri		Ö	Q	
	Ţ	OTAL COST	(without Hair		0	0	
	******	NIAL PRAT	ttinkum Notis		Λ		
( Overhead : 15% )	1	UIAL LUST	(Timber Bridg		0	0	
	-		(Concrete Bri		0	0	
	. 1	UţAL EUST	(without Main	renance)	0	0	

PROV

KALIMANTAN BELATAN

KAB : BANJAR

LINK NO : 26 (111B-2)

LENGTH : 3 Km

( Rp ) COST <<< unit cost >>> ******** >>>>> FORE 16N **FOREIGN** TOTAL UNIT QUANTITY LOCAL LOCAL 4,083 Superstructure (Timber; Span Jm; 101) 0.00 Superstructure (Timber;Span Sm;101) 10,332 4,509 **52** 0.00 0 Superstructure (Timber;Span 8m;101) **6**2 0.00 53,420 5,921 0 Superstructure (Timber; Span 3m; BMSO) **"**2 0.00 15,149 5,048 0 0 Superstructure (Timber:Span 5m;PMSO) ■2 0.00 49,290 5,469 0 Superstructure (Timber; Span 8m; BNSO) 0.00 62,512 6,923 0 **a**2 Superstructure (Concrete; Span 3e; BHSO) 0.00 13,442 85,218 0 42 Superstructure (Concrete; Span 5m; BM50) 44,766 95,130 87 0.00 0 103,557 Superstructure (Concrete; Span 8m; BH50) **a**2 0.00 16,228 0 0 117,519 Superstructure (Concrete; Spanion; BM50) n2 0.00 50,653 0 Superstructure (Concrete; Spanise; BH50) 82 0.00 54,835 138,303 0 Substructure (Pier; for Timber; 101) 317,235 37,989 KO 0.00 0 171,942 Substructure (Abut; for Timber; 101) NO 0.00 913,669 0 Substructure (Pier; for Timber; DHSO) NO 0.00 466,567 56,232 Ô Substructure (Abut; for Tieber; BMSO) 192,037 НO 0.00 1,026,452 0 0 Substructure (Pier; for Concrete; 8H50) NO 0.00 1,647,543 467,119 0 Substructure (Abut; for Concrete; DH50) NO 0.00 3,478,338 982,678 0 Devolition of Bridge (Timber->Nimber) **a**2 0.00 10,350 1,551 0 Demolition of Bridge (fimber-)Concrete) 0 0.00 10,350 1,551 **a**2 Demolition of Bridge (Concrete) 77,433 67,135 0 0.00 6,882 Maintenance of limber Bridge (Newl 0.00 1,232 0 2,656 1,759 0 0 0 Haintenance of Concrete Bridge (Hex) 0.00 **e**2 7,507 Maintenance of Timber Bridge (Exist) 324,720 132.00 2,460. **#2** Haintenance of Concrete Bridge (Exist) 0.00 4,417 2,375 ( Without Overhead ) TOTAL COST (Timber Bridge) (Concrete Bridge) TOTAL COST (without Maintenance) TOTAL COST (Timber Bridge) ( Overhead : 15% ) (Concrete Oridge)

TOTAL COST (without Maintenance)

LINK NO : 27 (111A) - LENGTH : 6 Km

	******			***			( Rp
1	UNIT	QUANTLTY	CCC UNIT	CUST >>> FOREIGN	<<<<<	COST FORE LGN	<<<<<
			*******	********			
Superstructure (Timber;Span 3m;101)	#2	0.00	36,412	4,083	0	0	
Auperstructure (Timber:Span 5::10T)		0.00	40,332	4,508	ň	Ô	
uperstructure (Tieber;Span 8a;101)	a2		53,420	5,921	Ô	0	
uperstructure (Timber;Span 3m;BH50)	<b>e</b> 2	0.00	45,149	5,048	0	0	
operstructure (Timber;Span 5m;BH50)	62	0.00	49,290	5,469	Ŏ	0	
iuperstructure (Timber;Span 8m;BMSO)	- 22	0.00	62,512	6,923	. 0	0	
uperstructure (Concrete;Span 3e;8H50)	<b>#2</b>		43,442	85,218	0	h	
uperstructure (Concrete;Span 5a;8H5O)	<b>N2</b>	0.00	44,766	95,130	Ŏ	.0	
uperstructure (Concrete;Span 8m;8H50)	- 42		16,228	103,557	n	n	
uperstructure (Concrete; Spanton; BHSO)	#2		50,653	117,519	0	0	
Superstructure (Concrete; Spant5æ; BHSO)	<b>a</b> 2		51,835	138,305	Ŏ	0	•
obstructure (Piersfor Timbers101)	NO			37,989	0	۸	
ubstructure (Abut; for Timber; 10T)	KO		913,669	171,942	ň	0	
ubstructure (Pier;for Timber;8M50)	NO		166,567	56,232	0	. 0	
ubstructure (Abut For Timber: 8850)	NO		1,026,452	192,037	ů	. 0	
Substructure (Piersfor Concrete; BHSO)	NO	,	1,647,543	467,119	. 0	0	
ubstructure (Abut; for Concrete; PH50)	NO		3,478,338	982,678	Ö	ů	
emplition of Bridge (Timber-)Timber)	<b>#2</b>		10,350	1,551	ń	Õ	
emolition of Bridge (Timber-)Concrete)	<b>#</b> 2		•	1,551	Ó	0	
emolition of Bridge (Concrete)	<b>a</b> 2		77,433	67,135	Ŏ	Õ	
aintenance of Timber Bridge (New)	-1	0.00		4 579		,	
	e2		6,882		0	0	
aintenance of Concrete Bridge (New)	<b>#</b> 2		1,759		0.	0	
aintenance of Timber Bridge (Exist)		174.00		2,460	•	477,240	1,933,59
aintenance of Concrete Pridge (Exist)	<b>#</b> ?	0.60	4,417 :	2,375	0	0	
( Hithout Overhead )	 1	ntal ract	(Timber Bridg	a)	0	0	*
( MICHARL DICINERA )	,	VINL CUDI	(Concrete Orl		0	0	
	1	DIAL COST	(without Main		Ŏ	0	
( Overhead : 15% )			(Timber Bridg (Concrete Bri	dge)	0	0	
	ì	UTAL COST	(without Main	tenance)	0	0	

LINK NO : 28 (IIIB-2) LENGTH : 4 Km

				:			( Rp
ETEH .	UNIT	QUANTITY	<<< UNIT LOCAL	COST >>> FOREIGN	((((( LOCAL	COST Foreign	>>>>> rota
			,		***************************************		
uperstructure (Timber;Span 3m;10T)	<b>a</b> 2	0.00	36,412	1,083	. 0	0	(
uperstructure (Timber;Span 50;101)	<b>a</b> 2	0.00	40,332	4,508	. 0	0	1
uperstructure (Timber;Span 8m;10T)	82	0.00	53,420	5,921	0	()	
uperstructure (limber;Span 3m;BH50)	<b>a</b> 2	0.00	45,149	5,04B	. 0	0	
uperstructure (Timber;Span 5m;8H50)	<b>=</b> 2	0.00	49,290	5,469	0	0	
uperstructure (Timber;Span 8m;BH50)	<b>*</b> 2	0.00	62,512	6,923	0	0	
uperstructure (Concrete;Span 3m;BH50)	e2	0.00	43,442	85,210	. 0	. 0	
uperstructure (Concrete;Span So;8HSO)	a2	0.00	44,766	95,130	0	. 0	
uperstructure (Concrete;Span 8m;BMSO)	<b>#2</b>	0.00	16,228	103,557	0	. 0	
uperstructure (Concrete;Span10m;BN50)	*2		50,653	117,519	0	Ô	
uperstructure (Concrete;Span1Sa;8H50)	n2	,-	51,835	138,305	Ô	. 0	
ubstructure (Pier;for Timber;10T)	NO		317,235	37,989	ŏ	ň	
ubstructure (Abut;for Timber;101)	- NO		913,669	171,942	0		
ubstructure (Pier;for Timber;RMSO)	NO.		166,567	56,232	۸	0	
ubstructure (Abutifor Timber:0850)		-	•			. 0	
	NO	0.00	1,026,452	192,037		0	
ubstructure (Pier; for Concrete; BMSO)	NO	0.00	1,647,543	467,119	0	٧ .	
ubstructure (Abut; for Concrete; 8H50)	NO	0.00	3,478,339	982,678	. 0	0	
emolition of Bridge (Timber->Timber)	<b>a</b> 2	0.00	10,350	1,551	0	ų.	•
emolition of Bridge (Timber->Concrete)	a2		10,350	1,551	0	Ų	
exolition of Bridge (Concrete)	#2	0.00	77,433	67,135	. 0	Q	
aintenance of Timber Bridge (Hem)		0.00	6,882	1,232	0	0	
aintenance of Concrete Bridge (New)	12	0.00	1,759	2,656	0	0	
aintenance of limber Bridge (Exist)	· a2	32.00	7,507	2,460	240,224	78,720	318,9
aintenance of Concrete Bridge (Exist)	<b>#2</b>	0.00	4,417	2,375	0	0	
( Without Overhead )	<b></b> 1	TOTAL COST	(limber Bridg		0	0	
			(Concrete Dri		0	0	
	1	IDTAL COST	(without Mair	itenance)	0	0	
( Overhead : 15% )		ISON LATE	(limber Bridg	:p}	0	0	
i dictiled ( 10% )	•	WINE SOUT	(Concrete Bri		ń	0	
			(without Hair			. 0	

LINK NO : 29 (111B-2) LENGTH : 5 Km

Superstructure (Timber;Span 3 Superstructure (Timber;Span 5 Superstructure (Timber;Span 8 Superstructure (Timber;Span 3 Superstructure (Timber;Span 5	ia; 101) 3a; 101)	UHIT a2 a2	QUANTITY	<<< UNIT Local	COST >>> FOREIGN	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	COST FOREIGN	>>>>> ********************************
Superstructure (limber;Span S Superstructure (limber;Span S Superstructure (limber;Span 3 Superstructure (limber;Span 5	ia; 101) 3a; 101)	_						TUTHE
Superstructure (limber;Span S Superstructure (limber;Span S Superstructure (limber;Span 3 Superstructure (limber;Span 5	ia; 101) 3a; 101)	_					·	
Superstructure (limber;Span S Superstructure (limber;Span S Superstructure (limber;Span 3 Superstructure (limber;Span 3	ia; 101) 3a; 101)	_	0.00	36,412	4,083			
Superstructure (Timber;Span 3 Superstructure (Timber;Span 5			32.00	40,332	4,50B	1 200 (24	0	. ( 474 00
Superstructure (Timber;Span 3 Superstructure (Timber;Span 5		n2	0.00	53,420	5,921	1,290,624	144,256	1,434,880
	6:9H50}	æ2	0.00	45,149	5,048	0	0	(
	in: BHSQ)	92	0.00	49,290	5,469	0	0	(
Superstructure (limber:Span 8		n2	0.00	62,512	6,923	V	0	(
Superstructure (Concrete:Span		n2	0.00	43,442		0	. 0	!
Superstructure (Concrete;Span		B?	0.00	14,766	85,218	0	0	(
Superstructure (Concrete;Span		a2	0.00	16,228	95,130	. 0	. 0	(
Superstructure (Concrete;Span	fOm:RNS01	n2	0.00	50,653	103,557	0	0	(
Superstructure (Concrete;Span	15a: BN501	a2	0.00		117,519	0	0	(
Substructure (Pier; for Timber		KO	2.3	51,835	138,305	0	0	(
Substructure (Abut; for limber		NO	1.00 2.00	317,235	37,989	317,235	37,989	355,224
Substructure (Pier; for limber		HO HO	0.00	913,669	171,942	1,827,338	343,884	2,171,227
Substructure (Abul; for Timber		HO NO		466,567	56,232	0	0	(
Substructure (Pier; for Concre		nu NO	0.00	1,026,152	192,037	. 0	0	(
Substructure (Abut; for Concre		HO	0.00	1,647,543	167,119	0	0	. (
Demolition of Bridge (limber-		#2	0.00	3,478,338	982,678	0	0	
Demolition of Bridge (Timber-		a2	32.00	10,350	1,551	331,200	19,632	380,833
Demolition of Bridge (Concret			0.00	10,350	1,551	0	. 0	(
newnitting of priode reputies	.61	<b>a</b> 2	0.00	77,433	67,135	0	0	(
Maintenance of Timber Bridge	(New)	<b>£</b> 2	32.00	6,882	1,232	220,224	39,424	259,648
Haintenance of Concrete Bridg		<b>a</b> 2	0.00	1,759	2,656	0	07,127	201,010
Maintenance of Timber Bridge		62	84.00	7,507	2,460	630,588	206,640	837,228
Maintenance of Concrete Bridg		a2	0.00	4,417	2,375	0301300	0	037,220
			•••••	.1144		••••	. V	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
l Without Overhe	ad )	Ţ	DTAL COST	(Timber Bridg	e)	3,786,397	575,761	4,342,158
				(Concrete Bri		. 0	0	
		. 1	DIAL COST	(without Main	tenancel	3,766,397	575,761	4,342,15
( Overhead : 15%			OTAL COST	(Finber Bridg	e)	4,331,357	662,125	4,993,48
				(Concrete Bri	dge)	0	0	
• .		11	DIAL COST	(without hain	tenance)	4,331,357	662,125	4,993,483

LINK NO : 34 (1119-2) LENGTH : 9 Km

							( Rp )
TTEN	UNIT	VIIINAUG	<<< UNIT LOCAL	COST >>> Foreign	<<<<< L0CAL	COST FOREIGN	>>>>> TOTA
Superstructure (Timber;Span 3m;101)	<b>a</b> 2		36,412		0	0	. +
Superstructure (Timber;Span 5m;101)	<b>e</b> 2		40,332	4,508	0	0	
Superstructure (Timber;Span 8m;101)	m2	0.00	53,420	5,921	0	0	
Superstructure (Timber;Span 3m;BM50)	#2		45,149	5,048	0	. 0	
Superstructure (Timber;Span 5m;BM50)	ø2	0.00	49,290	5,169	. 0	0	
Superstructure (Timber;Span 8m;8H50)	. <b>B</b> 2	0.00	£2,512	6,923	0	. 0	
Superstructure (Concrete;Span 3m;BKSO)	<b>#</b> 2		43,412	85,218	0	. 0	
Superstructure (Concrete;Span 5m;BN50)	a2		44,766	75,130	. 0	0	
Superstructure (Concrete;Span 8m;BM50)	<b>a</b> 2		46,228	103,557	0	0	
Superstructure (Concrete;Span10m;BM50)	•2	0.00	50,653	117,519	0	0	
Superstructure (Concrete;Span15a;BMSO)	<b>e</b> 2	0.00	54,835	138,305	0	0	
Substructure (Pier; for Timber; 107)	HO	0.00	317,235	37,989	0	0	
Substructure (Abut; for limber; 101)	NO	0.00	913,669	171,942	0 .	0.	
Substructure (Pier; for Timber; BM50)	מא	0.00	166,567	56,232	0	- 0	
Substructure (Abut;for Timber;8M50)	סא	0.00	1,026,452	192,037	0 -	0	•
Substructure (Pier; for Concrete; BH50)	OM	0.00	1,647,543	467,119	0	0	
Substructure (Abut; for Concrete; BHSO)	NO	0.00	3,478,338	982,678	. 0	0	
Demolition of Bridge (Timber-)limber)	m2	0.00	10,350	1,551	. 0	0	
Demolition of Bridge (Himber-)Concrete)	. a2	0.00	10,350	1,551	0	0	
Demolition of Bridge (Concrete)	<b>#</b> 2	0.00	77,433	67,135	. 0	0	
taintenance of Timber Bridge (New)	#2	0.00	6,882	1,232	0	0	
Maintenance of Concrete Bridge (New)	e2	0.00	1,759	2,656	0	. 0	
faintenance of Timber Bridge (Exist)	<b>#</b> 2	216.00		2,460	1,621,512	531,360	2,152,87
Haintenance of Concrete Bridge (Exist)	<b>a</b> 2	0.00	4,417	2,375		. 0	
( Without Overhead )		1201 1010	(Tigher Bridg	ıe)	0	0	
A MITHORY Diet Bean 1		WINE DEGI	(Concrete Bri		ň	Ó	
	1	OTAL COST	lwithout Hair		.0	Ô	
					· w w ri 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		
( Overhead : 15% )	1	OTAL COST	(Timber Bridg		0	0	
		i.	(Concrete Bri	dgel	0	0	
	1	OTAL COST	(without Hair	itenance)	0	0	

LINK NO : 35 (IIIA)

LENGTH : 6 Km

	~~~~~~						( Rp )
1 T E H	UNIT	ALIINVAR	<<< UNIT	COST >>> Foreign	CCCAL COCAL	COST FOREIGN	>>>>> TOTAL
G	**	:			**************		
Superstructure (Mimber; Span Jo; 10	_	0.00	36,412	1,083	0	. 0	0
Superstructure (Timber; Span Sm; 10		0.00	,	1,508	0	0	
Superstructure (Naber;Span 8m;10		0.00	53,420	5,921	0	. 0	(
Superstructure (Timber;Span Ja:BM		0.00	45,149	5,048	. 0	0	(
Superstructure (Timber:Span 5m;8H			49,290	5,469	. 0	. 0	. (
Superstructure (Timber:Span Bm:BM		32.00	62,512	6,923	2,000,384	221,536	2,721,920
Superstructure (Concrete;Span 3m;		0.00	43,442	85,218	0	. 0	, , ,
Superstructure (Concrete;Span 5m;		0.00	44,766	95,130	0	0	
Superstructure (Concrete;Span 8a;		0.00	46,728	103,557	0	0	
Superstructure (Concrete;Span)Om;		0.00	50,653	117,519	0	Ô	ì
Superstructure (Concrete;SpantSa;	BH50) #2	0.00	54,835	138,305	0	Ò	·
Substructure (Pier; for Timber; 10T		0.00	317,235	37,989	. 0	ò	
Substructure (Abut;for Timber;101		0.00	913,669	171,942	ð	Ò	
Substructure (Pier;for Timber;RMS	0) 10	0.00	466,567	56,232	. 0	Ŏ	
Substructure (Abut;for Timber;BMS	O) NO	2.00	1,026,452	192,037	2,052,904	384,074	2,436,97
Substructure (Pier; for Concrete; B	H50) NO	0.00	1,647,543	447,119	0	0	2)100,111
Substructure (Abut) for Concrete; R	M50) NO	0.00	3,478,338	982,678	ō	Õ	,
Demolition of Bridge (limber-)IIm	ber) m2	0.00	10,350	1,551	ŏ	ñ	
Desolition of Bridge (Timber->Com			10,350	1,551	ō	Ů	Č
Demolition of Bridge (Concrete)	a2	0.00	77,433	67,135	0	Ŏ	ì
Maintenance of Timber Bridge (New) n2	32.00	6,897	1,232	220,224	39,424	259,641
Maintenance of Concrete Bridge (M		0.00		2,656	0	0	107,010
Maintenance of Timber Bridge (Exi			7,507	2,460	2,026,890	664,200	2,691,090
Maintenance of Concrete Bridge (E			4,417	2,375	0	0	(
(Without Overhead)	1	OTAL COST	(Timber Bridg	e}	4,053,288	605,610	4,658,898
		٠.	(Concrete Bri	dge)	0	0	
:	. 1	DIAL COST	lwithout Hair	tenancel	4,053,288	605,610	4,658,89
(Overhead : 15%)		ntal cost	Himber Bridg	e)	4,661,281	696,452	5,357,73
, Bicincan , 10% i	. '	DINL DUVI	(Concrete Bri		0	0,0,101	21201110
		MIAL MOST	(without Mair		4,681,281	696,452	5,357,73

LINK NO : 36 (IIIA) LENGTH : 12 Km

							(Rp)
1 1 E H	UNIT	PURNITITY	<<< UNIT	COST >>> FOREIGN	\(\(\(\)\(\)	COST FOREIGN	<<<<<
Superstructure (Timber;Span 3m;10f)	a 2	0.00	36,412	4,083	Ó	0	. (
Superstructure (limber:Span 5m:101)	n 2	0.00	40,332	1,508	0	0	. (
Superstructure (Timber;Span 8m;101)	a2	0.00	53,420	5,921	0	0	. (
Superstructure (Timber:Span 3m;BM50)	a 2	0.00	45,149	5,048	0	- ()	. (
Superstructure (limber;Span 5m;BMSO)	# 2	0.00	19,290	•	0	0	
Superstructure (TimberiSpan Om; BM50)	a 2	0.00	62,512	6,923	0	Ö	
Superstructure (Concrete:Span Ja:BNSO)	62	0.00	43,442	85,219	0	0	
Superstructure (Concrete; Span 5m; BNSO)	#2	0.00	44,766	95,130	0	0	
Superstructure (Concrete;Span 8m;8M50)	9 2	0.00	16,228	103,557	0	0	
Superstructure (Concrete; Span10m; BH50)	•2	0.00	50,653	117,519	0	0	
Superstructure (Concrete;Spani5m;BNSO)	s.2	0.00	51,835	138,305	0	Ú	
Substructure (Pier; for Timber; 101)	NO	0.00	317,235	37,989	0	0	
Substructure (Abut: for Timber: 101)	:NO	0.00	913,669	171,942	Ò	0	
Substructure (Pierifor Ilaber; BM50)	NO	0.00	466,567	56,232	0	0	
Substructure (Abut; for Timber; BM50)	NO		1,026,452	192,037	Ò	0	
Substructure (Pier; for Concrete; BMSO)	NO	0.00	1,647,543	467,119	0	0	
Substructure (Abut; for Concrete; BM50)	NO	0.00	3,478,338	982,678	0	0	
Demolition of Bridge (Timber-)Timber)	a 2	0.00	10,350	1,551	a	0 .	
Demolition of Bridge (Timber-)Concrete)	s 2	0.00	10,350	1,551	0	0	
Demotition of Bridge (Concrete)	e 2		77,433	67,135	0	0	
faintenance of Timber Bridge (New)	e2	0.00	6,892	1,232	0	0	
Taintenance of Concrete Bridge (Kew)	₽2	0.00	1,759	2,656	, 0	. 0	
faintenance of Timber Bridge (Exist)	a 2	281.00	7,507	2,160	2,131,988	698,640	2,830,62
Maintenance of Concrete Bridge (Exist)	. a?	0.00	4,417	2,375	0	0	
(Without Overhead)	1	OTAL COST	(Timber Bride		0	0	
			(Concrete Bri		0	0	
	. 1	OTAL COST	(without Mair	itenance)	0	0	
(Overhead : 15%)	1	IDIAL COST	(Timber Bride	16)	0	0	
, German Class	,		(Concrete Bri		Õ	Ó	

LINK NO : 40 (IIIB-1) LENGTH : 7 Km

ITEN				*****	****		l Rp
	INU	T QUANTLTY	CCAL LOCAL	COS1 >>> Foreign	COCAL	COST Fore I Gn	<<<<<
		*******	********	******			
uperstructure (fimber;Span 3m;)	n (10	2 0.00;	36,412	4,083	. 0	0	
uperstructure (limber;Span 5m;1	(10				0	V	
uperstructure (fimber;Span 0m;1	OT) ·	2 0.00	53,420	5,921	0	٨	•
uperstructure (Himber;Span 3m;E	H50) a	2 0.00	45,149	5,048	0	ų O	•
uperstructure (Maber)Span Sa;E	H50) 🔒	2 0.00		5,469	ň	۷	
uperstructure (limber;Span Ba;E	H50) a		62,512	6,923	^		
uperstructure (Contrete;Span 3a	: 9H50) a		•	85,218	· •	V	
uperstructure (Concrete;Span Sm	(8H50) a		44,766	95,130	۸	۷	
uperstructure (Concrete;Span 84		2 0.00	•	103,557	٨	. ^	
uperstructure (Concrete;Span10)			50,653	117,519	٨	ν,	
uperstructure (Concrete;Span15a		2 0.00	51,835	138,305	0	ų.	
ubstructure (Pier; for Timber; 10			317,235	37,989	۸	•	
ubstructure (Abul; for Timber; 10			913,669	171,942	V.	۷ ۸	
ubstructure (Pierylor Timber;8)			. 166,567	56,232	V	۷ ^	
ubstructure (Abut; for Timber;8)				192,037	V	V	
ubstructure (Pier; for Concrete;		•	1,647,543	-	0	Ų	
ubstructure (Abut; for Concrete;			3,479,339	467,119	۸	V	
emolition of Bridge (limber-)li				982,670	0	U	
esolition of Bridge (Hisber-)Co		-	10,350	1,551	0	Ų	
emotition of Bridge (Concrete)		-	10,350	1,551	. 0	0	
sentifica as prinds scoursefs.	9	2 0.00	77,433	67,135	U	0	
aintenance of limber Bridge (Ne	g) w	2 0.00	6,882	1,232	0	0	
aintenance of Concrete Bridge (1,759	2,656	۸	0	
aintenance of Timber Bridge (Ex		2 107.00	7,507		0 7 740	217 220	1 011 41
aintenance of Concrete Bridge (4,417	2,375	803,249 0	263,220 0	1,086,46
			7,71,7	2,3/3	V		
(Without Overhead	} : ·	IDIAL COST	(Tieber Bridg		0	0	
			(Concrete Bri		0	0	
		TOTAL COST	(without Main	itenance)	0	0	
(Overhead : 15%)		TOTAL COST	(Timber Bridg	e}	0	0	
			(Concrete Bri		0	0	
			(without Hair		0	0	

LINK NO : 44 (IIIA) LENGTH : 4 Km 1

					5.4		(Rp)
1 T E M	UNIT	QUANTITY	<<< UNIT	COST >>> FOREIGN	(((((COST FOREIGN	>>>>> TOTAL
	~~ ~ ~						*********
Superstructure (Timber;Span 3m;10T)	#2	0.00	36,412	4,083	0	0	0
Superstructure (Timber;Span 5m;10T)	= 2	0.00	10.332	4,508	0	0	0
Superstructure (Timber; Span 8m; 10f)	a 2	0.00	53,420	5,921	0	0	0
Superstructure (Timber:Span 3m;9H5O)	e2	532.00	45,149	5,048	24,019,269	2,685,536	26,704,804
Superstructure (Ilaber; Span 50; 8HSO)	e2	52.00	19,290	5,469	2,563,080	284,388	2,847,468
Superstructure (Timber; Span 8m; 9H50)	e2	0.00	62,512	6,923	0	0	0
Superstructure (Concrete; Span 3±; 8M50)	e2		13 442	85,218	0	-0	. 0
Superstructure (Concrete; Span 5m; 8M50)	92	0.00	44,766	95,130	0	0	0
Superstructure (Concrete; Span Bm; BM50)	#2	0.00	46,228	103,557	Ô	0	0
Superstructure (Concrete;Spanion;BHSO)	#Z	0.00	50,653	117,519	Ò	0	0
Superstructure (Concrete; Spanisa; 8450)	a 2	0.00	51,835	138,305	ō	0	6
Substructure (Pier; for Timber; 1011	KO	0.00	317,235	37,989	ó	Ô	0
Substructure (Abut: for Timber: 101)	NO	0.00	913,669	171,942	ň	0	ň
Substructure (Pier;for Timber;8N50)	HO	33,00	466,567	56,232	15,396,711	1,955,656	17,252,367
Substructure (Abut; for Timber; BNSO)	HO	12.00	1,026,452	192,037	43,110,784	8,065,554	51,176,538
Substructure (Pierifor Concrete;BM50)	NO	0.00	1,647,543	467,119	0	0	0111101000
Substructure (Abut; for Concrete; BH50)	NO	0.00	3,478,338	982,678	Ŏ	Ŏ	. 0
Demolition of Bridge (Timber->Timber)	#7	331.50	10,350	1,551	3,462,075	518,809	
Demolition of Bridge (limber-)Concrete)	#2	0.00		1,551	0 0	0	0
Desalition of Bridge (Concrete)	e2		77,433	67,135	Ç	. 0	0
Haintenance of Timber Bridge (New)	s 2	584.00	6,882	1,232	4,017,088	719,499	4,738,576
Maintenance of Concrete Bridge (New)	a2		1,759	2,656	0	0	.,,,,,,,,
Naintenance of Timber Bridge (Exist)	# 2		7,507		2,214,565	725,700	2,940,265
Haintenance of Concrete Bridge (Exist)	a ?	0.00	4,417	2,375	0	0	0
. (Without Overhead)		OTAL COST	(Timber Bridg		88,552,118	13,409,943	101,762,061
			(Concrete Bri	-	0	0	. 0
	1	OTAL COST	(without Hair	tenance)	88,552,118	13,409,943	101,962,061
/ Dunch J . 45V)			(11.46.a D.1.)		101 078 077	1E 421 472	117 256 770
(Overhead : 15%)	ı		(limber Bride		101,834,936	194411494	117,256,370
	1		(Concrete Bri		•	15,421,431	117 754 770
	1	UTRL GUST	lwithout Hair	rcenancei	101,934,936	1314511434	117,256,370

LINK NO : 46 (IIIB-1) LENGTH : 4 Km

			•				(Rp)
ITEH	UNII	MILIN	<<< UNIT LOCAL	COST >>> Foreign	(((((COST FOREIGN	>>>>> TOTAL
Superstructure (Timber;Span 3m;10T)	124		*		~~~~~~	~=	
Superstructure (limber;Span Sm;101)	12	0.00	36,412	4,083	0	0	. 0
Superstructure (HimbersSpan Smilot)	#2	0.00	40,332	4,508	. 0	0	0
Superstructure (Timber;Span Sm;BHSO)	# Ž	0.00	53,420	5,921	0	0	(
	# 2	0.00		5,048	0	0	(
Superstructure (Timber; Span Sm; PMSO)	3 ?		.,,,	5,469	0	0	. (
Superstructure (Timber;Span Bm;BM50)	47	0.00	62,512	6,923	0.	0	(
Superstructure (Concrete; Span Ja; 8M50)	82	0.00	43,442	85,210	0	0	(
operstructure (Concrete;Span 5a;BHSO)	#2	0.00	44,766	•	0	0	t
uperstructure (Concrete;Span 8m;BMSO)	#2	0.00	,	103,557	. 0	0	1
uperstructure (Concrete; Spanion; BH50)	n 2	0.00		117,519	0	Q	
uperstructure (Concrete;Span15a;BHSO)	· #2	0.00	54,835	138,305	. 0	9	
ubstructure (Piersfor Timber;101)	NO	0.00	317,235	37,989	0	()	
ubstructure (Abut;for limber;101)	NO	0.00	913,669	171,942	Q	0	
ubstructure (Pier; for Timber; BM50)	NO	0.00	166,567	56,232	0	0	
ubstructure (Abut;for limber;9H50)	NO	0.00	1,026,452	192,037	0	0	
ubstructure (Piertfor Concrete;BH50)	NO	0.00	1,647,543	467,119	0	Q	
ubstructure (Abut;for Concrete;BK50)	HO	0.00	3,478,338	982,678	0	0	
emolition of Bridge (Timber-)Timber)	n 2	0.00	10,350	1,551	. 0	0	
emolition of Bridge (limber-)Concrete)	#2	0.00	10,350		. 0	0	
emplition of Bridge (Concrete)	s 2	0.00	77,433		0	0	·
aintenance of Timber Bridge (New)	*2	0.00	6,882	1,232	0	0	
aintenance of Concrete Bridge (New)	. a2	0.00	1,759	2,656	0	0	
aintenance of Timber Bridge (Exist)	. #2	21.00	7,507	2,460	157,647	51,660	209,30
aintenance of Concrete Bridge (Exist)	n ?	0.00	4,417	2,375	. 0	0	,
(Without Overhead)	 .	DIAL COST	(Timber Bridg	je)	0	0	
			(Concrete Bri	dge)	0	0	
	1	DIAL COST	(without Mair	ntenance)	0	0	
(Overhead : 15%)		OTAL <i>Ph</i> E1	(Timber Bridg		0	0	
i naturan i lav i	'	DINC COST	(Concrete Bri		0	Ó	
			ADMILITERE DI I	9961	v	v	

LINK NO : 51 (IIIA) LENGTH : 7 Km

							(Rp)
ITEN	UNIŢ	QUANTITY	<<< UNIT	COST >>> FOREIGN	(((((Local	CUST FOREIGN	>>>>> TOTAL
		*****		******	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	40000000	
Superstructure (Himber:Span 3m;101)	•2	0.00	36,412	4,083	0	0	0
Superstructure (limber; Span 5m; 101)	a2	0.00	40,332	4,509	. 0	. 0	0
Superstructure (Timber; Span 8m; 10T)	a 2	0.00	53,420	5,921	0	0	0
Superstructure (Timber:Span 3m;8HSO)	a 2	0.00	45,149	5,048	. 0	0	0
Superstructure (fieber; Span 5m; 8M50)	- #2	308.00	49,290	5,469	15,181,320	1,684,452	16,865,772
Superstructure (limber:Span Bm;BH50)	m2	0.00	62,512	6,923	0	0	0
Superstructure (Concrete; Span 3m; 8M50)	#2	0.00	43,442	85,218	0	Ó	0
Superstructure (Concrete; Span 5m; BMSO)	•2	0.00	14,766	95,130	0 .	Q	0
Superstructure (Concrete:Span 8a;8850)	#2	0.00	46,228	103,557	. 0	0	0
Superstructure (Concrete; Span10m; 8H50)	m2	0.00	50,653	117,519	0	. 0	. 0
Superstructure (Concrete; Span15a; BM50)	#2	0.00	54,835	138,305	0	0	. 0
Substructure (Pier; for Timber; 101)	NO	0.00	317,235	37,989	. 0	0	. 0
Substructure (Abut; for Timber; 101)	NO	0.00	913,669	171,942	0	0	. 0
Substructure (Pier; for Timber; 8H50)	ND	16.00	166,567	56,232	7,465,072	899,712	8,364,784
Substructure (Abut; for Tieber; 19150)	HO	10.00	1,026,452	192,037	10,264,520	1,920,370	12,184,890
Substructure (Pierifor Concrete:8M50)	NO	0.00	1,647,543	167,119	. 0	0	0
Substructure (Abut; for Concrete; 8H50)	NO	0.00	3,478,338	982,678	0	0	. 0
Demolition of Bridge (Timber-)limber)		159.70	10,350	1,551	1,652,895	247,694	1,700,589
Demolition of Bridge (Timber-)Concrete)	*2		10,350	1,551	0	. 0	0
Demolition of Bridge (Concrete)	m2	0.00	77,433	67,135	0	0	: 0
Maintenance of Timber Bridge (New)	. 22	308.00	6,882	1,232	2,119,656	379,456	2,499,112
Haintenance of Concrete Bridge (New)	a 7	0.00	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	87	209.00	7,507	2,460	1,568,963	514,140	2,083,103
Maintenance of Concrete Bridge (Exist)	a 2	0.00	4,417	2,375	0	0	•
(Without Overhead)		OTAL COST	(lieber Bridg		34,563,807	4,752,228	39,316,035
			(Concrete Bri		0	0	0
	1	OTAL COST	(without Hair	tenancel	34,563,607	4,752,228	39,316,035
(Overhead : 15%)		וחזאו רחפו	(Timber Bridg	a1	39,748,378	5,465,062	45,213,440
I WELLEAD !	4	OTHE COST	(Concrete Bri		η. Ο Ιετανοίο	01100 ¹ 00t	ע מונוטוזונה
	,	ntal caet	(without Hain		39,748,378	5,465,062	45,213,440
	1	MINE COST	INTERPORT NATE	rengures	0111101310	2,402,402	1017101110

LINK NO : 61 (IIIA) LENGTH : 10 Km

							(Rp.)
КЗГІ	UNIT	YTTTKAUD	<<< UNIT	COS1 >>> FOREIGN)))))))>>>>>
		*********	COURT	TUNE JUN	LOCAL	FOREIGN	JATOT
Superstructure (limber;Span 3m;101)		0.00	36,412	4,083	. 0	.0	1
Superstructure (Timber:Span Sm;101)	a2	0.00	40,332	4,508	0	Q	
Superstructure (finber;Span 8m;107)	a2	0.00	53,420	5,921	0	Ô	
Superstructure (Timber;Span 3m;DM50)	#2	80.00	45,149	5,048	3,611,920	403,840	4,015,76
Superstructure (Timber;Span 5m;BH50)	#2	60,00	19,290	5,469	2,957,400	328,140	3,285,54
Superstructure (Timber;Span Bm;DMSO)	. =2	0.00	62,512	6,923	0	0	0,000,01
Superstructure (Concrete; Span: 3#; BMSO)	a2:	0.00	43,442	85,218	Ó	.0	
Superstructure (Concrete; Span 5m; 8N50)	a 2	0.00	44,766	95,130	Õ	0	!
Superstructure (Concrete; Span 8#; 8M50)	# 2		46,228	103,557	ñ	. 0	:
Superstructure (Concrete; Span10m; BHSO)	•2	0.00	50,653	117,519	. 0	0	
Superstructure (Concrete; Span15m; 8H50)	# 2	0.00	51,835	138,305	0	Ů	,
Substructure (Pier;for Timber;101)	HO	0.00	317,235	37,989	. 0	Ô	·
Substructure (Abut; for Timber; 101)	NO	0.00	913,669	171,942	. 0	0	
Substructure (Pier; for Timber; 8H50)	NO	6.00	466,567	56,232	2,799,402	337,392	3,136,79
Substructure (Abut; for Timber; BMSO)	110	8.00	1,026,452	192,037	8,211,616	1,536,296	9,747,91
ubstructure (Pier;for Concrete;8N50)	KO	0.00	1,647,543	467,119	0 -	110001510	1111111
Substructure (Abut; for Concrete; 8M50)	HO	0.00	3,478,338	982,678	ŏ	. 0	
remolition of Bridge (Himber-)Timber)	a2		10,350	1,551	724,500	108,570	833,07
emolition of Bridge (Timber-)Concrete)	#2	0.00	10,350	1,551	0	0	445141
explition of Bridge (Concrete)	e 2	0.00	77,433	67,135	Ô	. 0	'
easies of bridge conference		4.00	11,100	61,130	ď	• . •	
laintenance of Timber Bridge (New)	e 2	140.00	6,882	1,232	963,480	172,480	1,135,96
laintenance of Concrete Bridge (New)	s 2		1,759	2,656	0	0	*,****
laintenance of Timber Bridge (Exist)	n2		7,507	2,460	1,238,655	405,700	1,644,55
laintenance of Concrete Bridge (Exist)	a?			2,375	0	0	,,,,,,,,
(Without Overhead)	1	IOTAL COST	(Timber Bridg	16}	18,304,838	2,714,238	21,019,07
	•		(Concrete Bri		0	9	-, 1
	1	IOTAL COST	(without Hair		18,304,938	2,711,238	21,019,07
(Overhead : 15%)	1	OTAL COST	(limber Bridg	ję)	21,050,564	3,121,374	24,171,93
			(Concrete Bri		Q	0	,
	1	tana latai	twithout Mair	•	21,050,564	3,121,374	24,171,93

PROV : KALIMANTAN BELATAN KAB :

LINK NO : 63 (IIIB-2) LENGTH : 3 Km

							(Rp 1
11 E H	UNTT	QUANTITY	<<< UNIT	COST >>> FOREIGN	<<<<< tool	CUST FOREIGN	>>>>> Total
		13.00	71 517	4 007	271 MA	48,996	495,940
uperstructure (limber;Span 3m;101) uperstructure (limber;Span 5m;101)	#2 #2	12.00	36,412	4,083 4,508	436,944	0 11,01	100,711
uperstructure (limber;Span 8m;101)	e 2 52	0.00	40,332 53,420		Ó	. 0	
uperstructure (Timber;Span Sm;PMSO)	92 97	0.00	45,149	5,921 5,048	.0		
uperstructure (limber(Span Sm;2650)	#2 #2	0.00	49,290	5,169	A	. 0	
uperstructure (limber;Span 8m;8H50)	#2 #2	0.00	62,512	6,923	0	Ň	
uperstructure (Concrele;Span 3m;BNSO)	#2	0.00				۸	
uperstructure (Concrete;Span 5m;BM50)	a2	,	43,442	85,218	V .	. ,	
uperstructure (Concrete;Span 8#;BM50)	#2 #2	0.00 0.00	44,766	95,130 103,557	V 0	Ó	
uperstructure (Concrete;Span10#;BH50)	#2			•	. 0	. 0	•
uperstructure (Concrete;Spaniow;8H50)	mZ mZ	0.00	50,653 54,835	117,519 138,305	0	0	
ubstructure (Pierifor limber;101)	NO	0.00		• •	۸	0	
ubstructure (Abutifor Timber;107)	NO	2.00	317,235	37,989	1 917 779	343,884	2,171,22
ubstructure (Pierifor Timber:1917)	KO KO	- ,	913,669 466,567	171,942 56,232	1,027,338	. 0101001	e11111ce
		0.00	•	7.4	0	0	
ubstructure (Abut;for Timber;RM50) ubstructure (Pier;for Concrete;RM50)	NO NO	0.00	1,026,452	192,037	0	. 4	
ubstructure (Abut;for Concrete;PMSO)	NO NO		1,647,543	467,119 982,878	. ^		
emolition of Bridge (limber-)limber)		0.00	3,478,338 10,350	1,551	12 100	9,306	71,40
	≨ ?	6.00			62,100 0	7,300	73.11
emolition of Bridge (Timber->Concrete)	≠ 2	0.00	10,350	1,551	0	v	
emolition of Bridge (Concrete)	a 2	0.00	77,433	67,135	ij	V	-
aintenance of Timber Bridge (New)	a 2	12.00	6,882	1,232	82,584	14,704	97,38
aintenance of Concrete Bridge (New)	a 2	0.00	1,759	2,656	0	. 0 .	.14.
aintenance of Timber Bridge (Exist)	€2	15.00	7,507	2,460	112,605	36,900	149,50
aintenance of Concrete Bridge (Exist)	m2	0.00	4,417	2,375	. 0	. 0	
(Mithout Overhead)		OTAL COST	(Timber Brid	ael	2,326,382	402,186	2,728,56
			(Concrete Br	• .	0	0	
	-1	OTAL COST	(without Mai	•	2,326,392	402,186	2,728,5
(Dyerhead : 15%)		INTAL COST	(Timber Brid	ne)	2,675,339	462,514	3,137,8
i nicincan i lavi	,		(Concrete Br		2,0,0,000	0	-4.00,40
	1	INTAL COST	(without Mai	•	2,675,339	462,514	3,137,8

LINK NO : 67 (IIIA)

LENGTH : 6 Km

	**********			•			(Rp)
1 1 E K	UNIT	YTTRAUD	<<< UNIT Local	COST >>> FOREIGN	(((((Local	COST FOREIGN	////// Jaidi
Superstructure ([imber:Span 3m;10])	-0		_,			**************************************	
Superstructure (limber;Span Sm;101)	92		36,412	1,083	0	0	, 0
	93		10,332	1,508	0	6	0
Superstructure (Timber;Span 8m;10T). Superstructure (Timber;Span Jm;8NSO)	•2		53,420	5,921	0	0	0
	#2		45,149	5,048	0	0	C
Superstructure (Timber;Span 5m;BMSO)	£2-		49,290	5,469	3,746,040	415,644	4,161,694
Superstructure (Timber; Span 8m; 8M50)	22		62,512	6,923	21,004,032	2,326,128	23,330,160
Superstructure (Concrete;Span 3m;8M50)			43,442	85,218	. 0	0	0
Superstructure (Concrete;Span 5m;BN50)			44,766	95,130	0	0	0
Superstructure (Concrete;Span 8m;8HSO)			16,228	103,557	. 0	0	C
Superstructure (Concrete;SpanlOm;BM50)		0.00	50,653	117,519	0	0	0
Superstructure (Concrete;Span15a;BH50)	• •2	0.00	54,835	138,305	0	0	0
Substructure (Piersfor Timber;101)	NO	0.00	317,235	37,989	. 0	0	C
Substructure (Abut) for Timber; 101) 🦠	HO	0.00	913,669	171,942	0	. 0	
Substructure (Pier; for Timber; BH50)	DA	7.00	466,567	56,232	3,265,969	393,624	3,659,59
Substructure (Abut; for Timber; BH50)	NO	18.00	1,026,452	192,037	18,476,136	3,456,666	21,932,807
Substructure (Pierylor Concrete;BX50)	NO	0.00	1,647,543	467,119	0	0	(
Substructure (Abut:for Concrete:8H50)	NO	0.00	3,478,338	982,678	o ·	0	
Demolition of Bridge (Timber-)limber)	97		10,350	1,551	. 0	0	i
Demolition of Bridge (Himber-)Concrete			10,350	1,551	Ŏ	· ŏ	ì
Demolition of Bridge (Concrete)	a 2		77,433	67,135	Õ	0	ì
Maintenance of Timber Bridge (New)	#2	412.00	6,882	1,232	2,835,384	507,584	3,342,968
Maintenance of Concrete Bridge (New)	a2	0.00	1,759	2,656	0	. 0	
Maintenance of Timber Bridge (Exist)	n 2	0.00		2,460	0	0	. (
Maintenance of Concrete Bridge (Exist)	#2	0.00		2,375	. 0	0	C
(Without Overhead)		TOTAL COST	(Timber Bridg		46,492,177	6,592,082	53,084,239
			(Concrete Bri		0	0	(
en en en en en en en en en en en en en e	: 1	IOTAL COST	(without Main	tenance)	46,492,177	6,592,062	53,084,239
(Overhead : 15%)	1	IOTAL COST	(Timber Bridg	e)	53,466,004	7,580,871	61,046,875
			(Concrete Bri	dge)	0	0	•
· · · · · · · · · · · · · · · · · · ·	,	toral coes	(without Hair	(ananga)	53,466,004	7,580,871	61,046,875

LINK NO : 69 (IIIB-1) LENGTH : 2 Km

							(Rp)
ITEN	UNIT	QUANTITY		COST >>> FOREIGN	\\\\\\ Local	COS1 Foreign	>>>>> TOTAL

Superstructure (Timber;Span 3m;10T)	e 2	0.00	36,412	4,083	- 0	0	0
Superstructure (Himber; Span 5a; 101)	\$2	0.00		4,508	0	0	0
Superstructure (Timber;Span 8m;101)	e 2	28.00	•	5,921	1,495,760	165,788	1,661,548
Superstructure (limber;Span 3m;BM50)	a 2	0.00	45,149	5,048	0	0	0
Superstructure (Timber;Span 5m;BM50)	a2	0.00	49,290	5,469	0	0	0
Superstructure (limber:Span 0m;0050)	e 2	0.00	62,512	6,923	0	• 0	. 0
Superstructure (Concrete; Span 3m; BH50)	a2	0.00	43,442	85,218	0	0	.0
Superstructure (Concrete;Span Sm;BMSO)	e2	0.00	44,766	95,130	0	. 0	,-0
Superstructure (Concrete;Span 8m;8M50)	a2	0.00	46,228	103,557	. 0	0	0
Superstructure (Concrete; Span10m; BM50)	e 2	0.00	50,653	117,519	0	0	0.
Superstructure (Concrete; Spanise; BM50)	a2	0.00	54,835	138,305	0	. 0 .	0
Substructure (Pier; for Timber; 101)	NO	0.00	317,235	37,989	. 0	. 0	0
Substructure (Abut; for Timber; 101)	NO	2.00	913,669	171,942	1,827,338	343,984	2,171,722
Substructure (Pier; for Timber; 8M50)	NO	0.00	466,567	56,232	0	0	
Substructure (Abut; for Timber; 8H50)	NO	0.00	1,026,452	192,037	0	. 0	0
Substructure (Pier; for Concrete; BH50)	NO	0.00	1,647,543	467,119	0	0	0
Substructure (Abut; for Concrete; BK50)	NO		3,478,338	982,678	0	. 0	. 0
Demolition of Bridge (Timber-)Timber)	a 2	14.00	10,350	1,551	144,900	21,714	166,614
Demolition of Bridge (Timber-)Concrete)	æ2	0.00	10,350	1,551	0	0	. 0
Demolition of Bridge (Concrete)	62	0.00	77,433	67,135	0	0	0
Maintenance of Timber Bridge (New)	a2	28.00	6,882	1,232	192,696	34,496	227,192
Maintenance of Concrete Bridge (New)	» 2	0.00	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	#2	0.00	7,507	2,460	0	0	0.
Maintenance of Concrete Bridge (Exist)	a 2	0.00	4,417	2,375	0	. 0	. 0
(Without Overhead)		OTAL COST	(Timber Brid		3,467,998	531,386	3,999,384
			(Concrete Bri		0	Q.	0
	!	OTAL COST	(without Hair	itenancel	3,467,998	531,386	3,999,384
{ Overhead : 15% }	·,•••••	OTAL COST	(Timber Brid	ge)	3,988,198	611,094	4,599,292
			(Concrete Br	idge)	0	0	0
	1	OTAL COST	(without Hair	ntenance)	3,988,198	611,094	1,599,292

LINK NO : 70 (IIIB-I) LENGTH : 2 Km

IIEĦ									
		l	IKIT	QUANTITY	<<< UNIT LOCAL	COST >>> Foreign	COCAL	COST Fore 1 GN	///// ////////////////////////////////
Sumerstrücture :	Timber;Span Jm;101)		a 2	۸ ۸۸			4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -		
	Timber;Span 5m;101)		# Z	0.00		4,083	0	0	
Amerstructure (Timber;Span 8m;101)		62	20.00	40,332	4,508	806,640	90,160	896,80
	limber;Span 3m;BH50)		82 82	0.00	53,420	5,921	0	Û	
	Timber;Span Sm; BH50)		a2	0.00	45,149		0	0	
unpretructuro (liaber;Span 8a;8H50)		#2 #2	0.00	49,290	5,469	0	. 0	
unoretructure (Concrete;Span Jm;BH50)			0.00	82,512	6,923	0	0	
			42	0.00	43,442	85,219	0	0	
	Contrete;Span 5m;BM50)		₽ ?	0.00	44,766	95,130	0	0	
	Concrete:Span 8a;8H501		. 62	0.00	46,228	103,557	0	0	
	Concrete; SpantOm; BH50)		a 2	0.00	50,653	117,519	0	0	
	Concrete;Span15m;BMSO)		a 2	0.00	54,835	138,305	0	0	
	er;(or Timber;10T)		NO	0.00	317,235	37,989	0	0	
	ut;for:Timber;10T}		ИO	2.00	913,669	171,942	1,827,338	343,884	2,171,22
	er;for Timber;BH50)		ND	0.00	166,567	56,232	. , 0	· 6	
ubstructure (Ab	ut;for Timber;BH50)		NO	0.00	1,026,452	172,037	. 0	Ô	
ubstructure (Pi	er;for Concrete;8HSO)		NO	0.00	1,647,543	467,119	0	Ö	
ubstructure (Ab	ut; for Concrete; 8N50)		НÓ	0.00	3,478,338	982,678	ō	. 0	
emolition of Br	idge (Timber-)Timber)		82	0.00	10,350	1,551	0	Ò	
emolition of Br	idge (Timber-)Concrete)		a 2	0.00	10,350	1,551	0	ő	
emolition of Br			e 2	0.00	77,433	67,135	Ö	Ô	
aintenance of I	ieber Bridge (New)		#2	20.00	6,882	1,232	137,640	24,640	162,28
aintenance of C	oncrete Bridge (Hew)		R2	0.00	1,759	2,656	0	0	, ,,,,,,,
	imber Bridge (Exist)		a 2	0.00	7,507	2,460	0	· o	
	oncrete Bridge (Exist)	•	8 2	0.00	4,417	2,375	0	0	
()	ithout Overhead)		1	OTAL COST	(fimber Bridg		2,633,978	434,044	3,048,02
					(Concrete Bri		0	0	
·			Ī	OTAL COST	(without Mair	itenance)	2,633,978	434,044	3,068,07
. n	verhead : 15%)		1	NTAL COST	(Timber Bride	p)	3,029,075	499,151	3,528,2
1 10	terinens + 154 1			 	(Concrete Bri		010511013	0	0101011
			T	NTAL COCY	(without Hair		3,029,075	499,151	3,520,2

LINK NO : 73 (1118-1) LENGTH : 8 Km

							(Ap)
11 E H	TINU	QUANTITY	<<< UNIT Local	COST >>> FOREIGN	(((((COST	>>>>> TOTAL
Superstructure (limber:Span Jm:1011	·:. n2	12.00	36,412	4,083	436,944	48,796	485,940
Superstructure (Timber:Span 5m:101)	52	108.00		4,508	4,355,856	486.864	4,842,720
Superstructure (Timber:Span 8m;101)	#2	0.00	53,420	5,921	tionsinop	0	1,011,110
Superstructure (Timber:Span Ja:BHSO)	e2	0.00	45,149	5,048	. 0	. 0	Ŏ
Superstructure (Timber:Span Sm:BHSO)	e2			5,169	Õ	Ŏ	
Superstructure (Timber; Span 8m; 8M50)	a 2	0.00	62.512	6,923	ñ	ñ	Ö
Superstructure (Concrete; Span 3m; BMSO)	82	0.00		85,218	0		. 0
Superstructure (Concrete; Span Sm; BMSO)	2	0.00	44,765	95,130	Ů.	. 0	0
Superstructure (Concrete; Span 8m; BK50)	a2	0.00	46,228	103,557	. ŏ.	Ô	Ŏ
Superstructure (Concrete; Spanion; DMSO)	•2	0.00	50,653	117,519	ŏ	ò	Ĉ
Superstructure (Concrete;Span15a;BMSO)	#2	0.00	54,835	138,305	Ŏ.	Ğ	Č
Substructure (Piersfor Timber;101)	NO	5.00	317,235	37,789	1,586,175	189,945	1,776,120
Substructure (Abut; for Timber; 101)	NO	6.00	913,669	171,942	5,482,014	1,031,652	6,513,666
Substructure (Pierifor Timberi8850)	NO	0.00	166,567	56,232	011021011	0.	(
Substructure (Abut; for Timber; 8M50)	NO	0.00	1,026,452	192,037	Ŏ	0	
Substructure (Pier; for Concrete; BM50)	NO.	0.00	1,647,543	467,117	Õ	Ŏ	
Substructure (Abut; for Concrete; BMSO)	NO	0.00	3,478,338	982,670	ò	0	
Demolition of Bridge (Timber-)Timber)	*2	60.00	10,350	1,551	621,000	93,050	714,060
Demolition of Bridge (Timber-)Concrete)	#2	0.00	10,350	1,551	921,000	.0	7,77,000
Demolition of Bridge (Concrete)	m2	0.00	77,433	67,135	0	0	(
Maintenance of Timber Bridge (Mew)	. ?	120.00	6,882	1,232	825,840	147,840	973,686
Maintenance of Concrete Bridge (New)	æ2	0.00	1,759	2,656	0	0	(
Maintenance of Timber Bridge (Exist)	a2	48.00	7,507	2,460	340,336	118,080	478,410
Haintenance of Concrete Bridge (Exist)	a 2	0.00	4,417	2,375	0	0	(
/ Wilhaut Bushaud 1		nial cact	(Timber Bridg	nl:	12,481,989	1,850,517	14,332,506
(Without Overhead)	. '	OTHL LUDI	(Concrete Bri		0	1,030,311	17,002,000
	. 1	OTAL COST	(without Hair		12,481,989	1,850,517	14,332,50
(Dverhead : 151)			llimber Bridg (Concrete Bri (without Hain	dgel	\$4,354,287 0 14,354,287	2,128,095 0 2,128,095	

PRRO

: KOLIMANTAN SELATAN KAR : BANJAR

LUNK NO : 80 (1118-1) LEMBIH : 10 Km

11EH			277 . 1083.1	CUS1 >>>			
	1160	PTETHAND	FOCUL	FOREIGN	((((() Local	COST Foreton	>>>>> TOTAL
	+			H= N=	· • • • • • • • • • • • • • • • • • • •		
Superstructure (Timber:Span Am:101)	a2	0.00	36,412	4,083	۸	•	
Superstructure (limber;Span Sm;[0])	a 2		40,332	4,508	0 5,323,024	() 60° Ari	tinte aŭ
Superstructure (limber:Span 8m:101)	a 2	52.00	53,420	5,921	2,777,840	575,056	5,910,88
Superstructure (limber:Span Je:8050)	£2	0.00	45,149	5,048	6	397,872 0	3,085,73
Superstructure (Finber:Span So:PHSO)	02	0.00	49,270	5,467	. 0	. 0	
Superstructure (limber;Span Ba;AN50)	62	0.00	62,517	6,923	0	V	
imperstructure (Concrete; Span Ja; 8450)	42		13,412	85,218	0	y a	. (
Superstructure (Concrete; Span 5m; 18150)	#2	0.00	44,766	95,130	. 0	0	
Superstructure (Concrete;Span 8#;9H50)	62	0.00	16,228	103,557	0	, ų	(
Superstructure (Concrete;Spanion;ONSO)	n2	0.00	50,653	117,519	0		
ingerstructure (Concrete;SpanlSn;Bil50)	e2	0.00	54,035	138,305	. 0	. v	
Substructure (Piersfor limber:101)	NO	4,00	317,235	37,589	1,288,940	151,756	1,420,87
Substructure (Abut: for fimber: 101)	HO	10.00	913,669	171,942	9,136,690	1,719,420	- •
Substructure (Pier; for Timber; ANSO)	ИÐ	0.90	166,567	56,232	1,130,019	11/17/120	10.856,11
obstructure (Abut; for Tieber; 8850)	NO	0.00	1,026,452	192,037	0	v 0	
Substructure (Fierifor Concrete:19159)	NO	0.00	1,647,513	467,119	0	()	
Substructure (Abutifor Concrete; BK50)	NO	0.00	3,478,338	992,678	0	. 0	
lemulition of Bridge (limber-)limber)	e 2	0.00	10,350	1,551	Ô	.0	,
emolition of Bridge (limber-)Concrete)	a2	0.00	10,350	1,551	Ò	Û	•
emolition of Oridge (Concrete)	n2	0.00	77,433	67,135	Ô	0	,
			,	07,700	. •	•	,
aintenance of Timber Bridge (New)	e2	184.00	6,882	1,232	1,266,288	226,698	1,472,77
laintenance of Controle Dridge (New)	# 2	0.00	1,759	2,656	0	0	(
aintenance of limber Bridge (Exist)	a 2	81.60	7,507	2,460	812,571	200,736	813,30
laintenance of Concrete Bridge (Exist)	#2	0.00	4,417	2,375	O	ņ	,
					•		
(Without Overhead)	1	UTAL COST	(Timber Bridg	e)	18,507,294	2,774,324	21.281.61
			(Concrete Bri	•	0	0	
	!	IOTAL COST	twithout Natio	tenance)	18,507,294	2,774,324	16, 182, 15
(Overhead : 15%)	ì	OTAL CUST	(limber Bridg (Concrete Dri		21,283,388 0	3,190,473	24,473,86
	,	ntai cent	(mithout Hain		21,283,398	3,180,473	24,473,86

LUME NO : 89 (1118-1) LEMBIN : 3 Km

							(Rp)
1 I E II	URIT	YTTTHANG	CCC UNIT	COST >>>	<<<<<	CUST Fore IGN	>>>>> TOTAL
Superstructure (Himber:Span Jm:101)	n2	0.00	36,412	4,093	. 0	Ó	ŋ
Superstructure (limber(Span Sm(101)	m2	0.00	40,332	4,508	0	0	0
Superstructure (Timber:Span 8m:101)	e 2	0.00	53,420	5,921	0	0	ņ
Superstructure (limber;Span 3m;PUSO)	-2	0.00	45,149	5,048	0	0	9
Superstructure (limber:Span So:2005)	n2	0.00	49,270	5,469	ŋ	0	· n
Superstructure (limber:Span Bm:BNSO)	#2	0.00	62,512	6,923	. 0	0	. 0
Superstructure (Concrete:Span Ja:8850)	82	0.00	43,442	85,218	0	ŋ ·	. 0
Superstructure (Concrete:Span 5m;10150)	e 2	0.00	44,766	95,130	0	0	. 0
Superstructure (Concrete:Span 84:8050)	a۲	0.00	16,228	103,557	0	ė	0
Superstructure (Concrete; Span10n; BM50)	n2	0.00	50,653	117,519	0	9	
Superstructure (Concrete:SpanlSa:19150)	n2	0.00	51.835	139,305	. 0	Ą	ò
Substructure (Pier; fur limber; 101)	110		317,235	37,989	0	0	0
Substructure (Abut; for limber; 101)	סא	0.00	913,649	171,742	ò	n'	Ď.
Substructure (Fier:for limber:8850)	NO	0.00	466,567	56,232	Ò	0	
Substructure (Abut; for Timber; 19150)	HO	0.00	1,026,452	192,037	0	i)	ò
Substructure (Pierylor Contrete; 18150)	NO.	0.00	1,647,543	467,119	ō ·	0	0
Substructure (Abut: for Concrete: 8050)	110	0.00	3,478,338	982,678	0	'n	0
Demulition of Bridge (limber-)limber)	-2	0.00	10,350	1,551	0	0	ò
Depolition of Bridge (limber-)Concrete)	e2	0.00	10,350	[,55]	9	0	. 0
Demolition of Bridge (Concrete)	#2	0.00	77,433	67,135	0	ó	0
Naintenance of Timber Bridge (Hen)	a 2	0.00	5,883	1,232	0	. 0	9
Naintenance of Concrete Bridge (New)	n2	0.00	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	-2	12.00	1,507	2,460	90,084	23,520	117,604
Naintenance of Commrete Bridge (Exist)	•2	0.00	4,417	2,3/5	0,	. 0	Û
t Without Overhead)		OTAL COST	(limber Bride	je)	0	ų ·	()
			(Concrete Bri	,	0	9 -	0
	i		Cwithout Kain		U	. A	()
(Oyerhead ; 15%)		nial raci	(limber Bride		0	. (1	0
A that in fig. 1 for 1	1	OTHE COST	(Concrete Bri	* .	0	0	y ()
	1	NIAL PROF	(without Hain	•	۷ 0	Ú	. 0
	1	ninc 6021.	without usin	CCHEULT!	V	Ų	V

PROV : EOLIHOHION SELATAN KAR : BONJOR

LITHE MO : 85 (1110-1) LENGTH : 2 Km

	**						(ftp
1 E N	UNIT	QUARTLTY	CCC UNIT	COSI >>> FOREIGN	<<<<< Local	COST FOREJEN	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
imperstructure (Limber;Span Sm;101)	a2	0.00	36,412	1,083		۸	
Superstructure (Linher; Span 5m; 101)	n2	0.00	40,332	4,508	0	0	
uperstructure (limber;Span 0m;101)	A2	0.00	53,420	5,921	0	Ú O	•
uperstructure (limber:Span 3m:BN50)	a 2	0.00	45,149	5.048	0	0	
uperstructure (limber:Span Sm:8050)	a2	0.00	47,290	5,469	0	V 0	
operstructure (Timber;Span 8m;DHSO)	R 2		62,512	6,923	ų. A	ņ	
uperstructure (Concrete;Span 3æ;BHSO)	a 2	0.00	13,442	85,218	0	0	
aperstructure (Concrete; Span 5m; 19150)	s 2	0.00	44,766	95,130	Ö	0	
uperstructure (Concrete;Span 8#;8050)	a 2	0.00	46,228	103,557	0	0	
uperstructure (Concrete; Spanion; 8850)	#·2	0.00	50,653	117,519	. 0	0	
uperstructure (Concrete;Span1Sm;8HS0)	m2	0.00	54,835	138,305	0	ų 0	
ubstructure (Pier:for limber:101)	NO	0.00	317,235	37,589	, n	p	
ubstructure (Abut; for Timber; [0])	HO	0.00	913,669	171,742	0	0	
obstructure (Pieryfor Timber(PK50)	110	0.00	466,567	56,732	Ň	0	
ubstructure (Abut;for Timber;BHSO)	NO	0.00	1,026,452	192,037	0	Ů	
obstructure (Pier; for Contrete; 8050)	NO	0.00	1,647,543	167,119	0	0	
ubstructure (Abutifor Concrete(BNSO)	NO	0.00	3,478,339	792,678	Õ	Ú	
emplition of Bridge (limber-)Timber)	m2.	0.00	10,350	1,551	ò	ő	
emolition of Bridge (limber-)Concrete)	a2	0.00	10,350	1,551	0	ů O	
exolition of Bridge (Contrele)	m2	0.00	77,433	67,135	Ó	ő	
aintenance of limber Bridge (New)	6 2	0.00	6,832	1,232	ij	ŋ	
aintenance of Concrete Bridge (Nen)	#2	0.00	1,759	7,656	Ó	(1	
aintenance of limber Bridge (Exist)	e 2	60.00	7,507	2,460	450,420	147,400	598,02
aintenance of Concrete Bridge (Exist)	62		4,417	2,375	0	0	010105
(Without Overhead)			(limber Bridg	el	0	ý	
			(Concrete Bridge) (mithout Haintenance)		0	Ó	
					Ó	ŷ	
(Dvr-rhead : 15%)		OTAL COST	(limber Bridg	e)	0	0	
		(Concrete Bridge)			0	0	
		TOTAL COST (without Haintenance)		•	đ	0	

