

PROV : KALIMANTAN SELATAN KAB : BANJAR

LINK NO : 67 (IIIA) LENGTH : 6 Km

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

(Rp)

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		TOTAL	
			LOCAL	FOREIGN	LOCAL	FOREIGN		
Site Clearance in Light Bush	m2	0.0	173	91	0	0	0	
Subgrade Preparation	m2	29160.0	22	11	641,520	320,760	962,280	
Normal Fill	m3	0.0	1,792	883	0	0	0	
Fill in Swamp	m3	3132.0	2,637	1,052	8,259,084	3,294,864	11,553,948	
Normal Excavation to Spoil	m3	4260.0	1,047	522	4,460,220	2,223,720	6,683,940	
Sub Base Course	m3	4441.5	3,363	1,347	14,936,764	5,982,700	20,919,464	
Base Course	m3	2160.0	4,622	2,299	9,983,520	4,965,840	14,949,360	
Shoulder	m2	18000.0	313	146	5,634,000	2,628,000	8,262,000	
Asphalt Patching	m2	0.0	3,728	1,377	0	0	0	
Surface Dressing (Single)	m2	0.0	616	595	0	0	0	
Surface Dressing (Double)	m2	27000.0	771	936	20,817,000	25,272,000	46,089,000	
Earth Drain	m	0.0	870	119	0	0	0	
Earth Drain in Swamp (by machine)	m3	21600.0	1,256	474	27,129,600	10,238,400	37,368,000	
Pipe Culvert Ø80cm	m	0.0	44,520	42,161	0	0	0	
Masonry Culvert (80x80cm)	m	0.0	60,401	36,609	0	0	0	
Retaining Wall and Wing Wall (Tiaber)	m2	0.0	9,691	246	0	0	0	
Retaining Wall and Wing Wall (Masonry)	m3	0.0	44,050	11,678	0	0	0	
Gabion Protection	m3	0.0	11,979	120	0	0	0	
New Bridge (Timber)	SET	1.0	--	--	46,492,177	6,592,062	53,084,239	
New Bridge (Concrete)	SET	1.0	--	--	0	0	0	
					Sub Total	138,353,885	61,518,346	199,872,231
Overhead (15%)						20,753,082	9,227,751	29,980,833
					TOTAL COST	159,106,967	70,746,097	229,853,064

Manual routine maintenance of road	Km	6.0	140,672	7,248	844,032	43,488	887,520	
Routine maintenance of asphalt road	Km	6.0	372,800	137,700	2,236,800	826,200	3,063,000	
					Sub Total	3,080,832	869,688	3,950,520
Maintenance of Tiaber Bridge (New)	m2	412.0	6,882	1,232	2,835,384	507,584	3,342,968	
Maintenance of Concrete Bridge (New)	m2	0.0	1,759	2,656	0	0	0	
Maintenance of Timber Bridge (Exist)	m2	0.0	7,507	2,460	0	0	0	
Maintenance of Concrete Bridge (Exist)	m2	0.0	4,417	2,375	0	0	0	

Earthwork & Pavement Unit Cost (Rp/Km)	:	28,134,365
Tiaber Bridge Unit Cost (Rp/m2)	:	148,172
Concrete Bridge Unit Cost (Rp/m2)	:	
Survived Value (Rp)	:	20,472,911
Maintenance Rate without Bridge (%)	:	2.34
New Bridge Cost Rate (%)	:	26.56

PROV : KALIMANTAN SELATAN KAB : BANJAR

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

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

(Rp)

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		>>>>> TOTAL	
			LOCAL	FOREIGN	LOCAL	FOREIGN		
Site Clearance in Light Bush	m2	16000.0	173	91	2,768,000	1,456,000	4,224,000	
Subgrade Preparation	m2	15620.0	22	11	343,640	171,820	515,460	
Normal Fill	m3	0.0	1,792	863	0	0	0	
Fill in Swamp	m3	174.0	2,637	1,052	458,838	183,048	641,886	
Normal Excavation to Spoil	m3	2221.0	1,047	522	2,325,387	1,159,362	3,484,749	
Sub Base Course	m3	1663.0	3,363	1,347	5,592,669	2,240,061	7,832,730	
Base Course	m3	720.0	4,622	2,299	3,327,840	1,655,280	4,983,120	
Shoulder	m2	9000.0	313	146	2,817,000	1,314,000	4,131,000	
Asphalt Patching	m2	0.0	3,728	1,377	0	0	0	
Surface Dressing (Single)	m2	0.0	616	595	0	0	0	
Surface Dressing (Double)	m2	0.0	771	936	0	0	0	
Earth Drain	m	0.0	870	119	0	0	0	
Earth Drain in Swamp (by machine)	m3	1200.0	1,256	474	1,507,200	568,800	2,076,000	
Pipe Culvert ØØca	m	44.0	44,520	42,161	1,958,880	1,855,084	3,813,964	
Masonry Culvert (80x80ca)	m	0.0	60,401	36,609	0	0	0	
Retaining Wall and Wing Wall (Timber)	m2	0.0	9,691	246	0	0	0	
Retaining Wall and Wing Wall (Masonry)	m3	12.8	44,050	11,678	563,840	149,478	713,318	
Gabion Protection	m3	0.0	11,979	120	0	0	0	
New Bridge (Timber)	SET	1.0	--	--	2,326,382	402,186	2,728,568	
New Bridge (Concrete)	SET	1.0	--	--	0	0	0	
					Sub Total	23,989,676	11,155,119	35,144,795
Overhead (15%)						3,598,451	1,673,267	5,271,718
					TOTAL COST	27,588,127	12,828,386	40,416,513

Manual routine maintenance of road	Ka	3.0	140,672	7,248	422,016	21,744	443,760	
Routine maintenance of gravel road	Km	3.0	202,224	88,047	606,672	264,141	870,813	
					Sub Total	1,028,688	285,885	1,314,573
Maintenance of Timber Bridge (New)	m2	12.0	6,882	1,232	82,584	14,784	97,368	
Maintenance of Concrete Bridge (New)	m2	0.0	1,759	2,656	0	0	0	
Maintenance of Timber Bridge (Exist)	m2	15.0	7,507	2,460	112,605	36,900	149,505	
Maintenance of Concrete Bridge (Exist)	m2	0.0	4,417	2,375	0	0	0	

Earthwork & Pavement Unit Cost (Rp/Km)	:	12,426,220
Timber Bridge Unit Cost (Rp/m2)	:	261,488
Concrete Bridge Unit Cost (Rp/m2)	:	
Survived Value (Rp)	:	3,916,365
Maintenance Rate without Bridge (%)	:	3.53
New Bridge Cost Rate (%)	:	7.76

PROV : KALIMANTAN SELATAN KAB : BANJAR
 LINK NO : 61 (IIIA) LENGTH : 10 Km
 UPGRADE : 7.5m road bed, 4.5m road with surface Dressing (2)

(Rp)

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		>>>>> TOTAL	
			LOCAL	FOREIGN	LOCAL	FOREIGN		
Site Clearance in Light Bush	m2	6000.0	173	91	1,038,000	546,000	1,584,000	
Subgrade Preparation	m2	38070.0	22	11	837,540	418,770	1,256,310	
Normal Fill	m3	0.0	1,792	863	0	0	0	
Fill in Swamp	m3	6345.0	2,637	1,052	16,731,765	6,674,940	23,406,705	
Normal Excavation to Spoil	m3	4200.0	1,047	522	4,397,400	2,192,400	6,589,800	
Sub Base Course	m3	7836.0	3,363	1,347	26,352,468	10,555,092	36,907,560	
Base Course	m3	3600.0	4,622	2,299	16,639,200	8,276,400	24,915,600	
Shoulder	m2	30000.0	313	146	9,390,000	4,380,000	13,770,000	
Asphalt Patching	m2	0.0	3,728	1,377	0	0	0	
Surface Dressing (Single)	m2	0.0	616	595	0	0	0	
Surface Dressing (Double)	m2	45000.0	771	936	34,695,000	42,120,000	76,815,000	
Earth Drain	m	0.0	870	119	0	0	0	
Earth Drain in Swamp (by machine)	m3	28200.0	1,256	474	35,419,200	13,366,800	48,786,000	
Pipe Culvert 80cm	m	36.0	44,520	42,161	1,602,720	1,517,796	3,120,516	
Masonry Culvert (80x80cm)	m	0.0	60,401	36,609	0	0	0	
Retaining Wall and Wing Wall (Timber)	m2	0.0	9,691	246	0	0	0	
Retaining Wall and Wing Wall (Masonry)	m3	6.0	44,050	11,678	264,300	70,068	334,368	
Gabion Protection	m3	0.0	11,979	120	0	0	0	
New Bridge (Timber)	SET	1.0	--	--	18,304,838	2,714,238	21,019,076	
New Bridge (Concrete)	SET	1.0	--	--	0	0	0	
					Sub Total	165,672,431	92,832,504	258,504,935
Overhead (15%)						24,850,864	13,924,875	38,775,739
					TOTAL COST	190,523,295	106,757,379	297,280,674

Manual routine maintenance of road	Km	10.0	140,672	7,248	1,406,720	72,480	1,479,200	
Routine maintenance of asphalt road	Km	10.0	372,800	137,700	3,728,000	1,377,000	5,105,000	
					Sub Total	5,134,720	1,449,480	6,584,200
Maintenance of Timber Bridge (New)	m2	140.0	6,882	1,232	963,480	172,480	1,135,960	
Maintenance of Concrete Bridge (New)	m2	0.0	1,759	2,656	0	0	0	
Maintenance of Timber Bridge (Exist)	m2	165.0	7,507	2,460	1,238,655	405,900	1,644,555	
Maintenance of Concrete Bridge (Exist)	m2	0.0	4,417	2,375	0	0	0	

Earthwork & Pavement Unit Cost (Rp/Km)	:	27,310,874
Timber Bridge Unit Cost (Rp/m2)	:	172,657
Concrete Bridge Unit Cost (Rp/m2)	:	
Survived Value (Rp)	:	35,754,948
Maintenance Rate without Bridge (%)	:	2.41
New Bridge Cost Rate (%)	:	8.13

PROV : KALIMANTAN SELATAN KAB : BANJAR

LINK NO : 51 (IIIA) LENGTH : 7 Km

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

(Rp)

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		>>>>> TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Site Clearance in Light Bush	m2	6000.0	173	91	1,038,000	546,000	1,584,000
Subgrade Preparation	m2	52500.0	22	11	1,155,000	577,500	1,732,500
Normal Fill	m3	0.0	1,792	863	0	0	0
Fill in Swamp	m3	0.0	2,637	1,052	0	0	0
Normal Excavation to Spoil	m3	842.0	1,047	522	881,574	439,524	1,321,098
Sub Base Course	m3	4410.0	3,363	1,347	14,830,830	5,940,270	20,771,100
Base Course	m3	2520.0	4,622	2,299	11,647,440	5,793,480	17,440,920
Shoulder	m2	21000.0	313	146	6,573,000	3,066,000	9,639,000
Asphalt Patching	m2	0.0	3,728	1,377	0	0	0
Surface Dressing (Single)	m2	0.0	616	595	0	0	0
Surface Dressing (Double)	m2	31500.0	771	936	24,286,500	29,484,000	53,770,500
Earth Drain	m	200.0	870	119	174,000	23,800	197,800
Earth Drain in Swamp (by machine)	m3	0.0	1,256	474	0	0	0
Pipe Culvert Ø80cm	m	54.0	44,520	42,161	2,404,080	2,276,694	4,680,774
Masonry Culvert (80x80cm)	m	0.0	60,401	36,609	0	0	0
Retaining Wall and Wing Wall (Timber)	m2	0.0	9,691	246	0	0	0
Retaining Wall and Wing Wall (Masonry)	m3	16.0	44,050	11,678	704,800	186,848	891,648
Gabion Protection	m3	0.0	11,979	120	0	0	0
New Bridge (Timber)	SET	1.0	--	--	34,563,807	4,752,228	39,316,035
New Bridge (Concrete)	SET	1.0	--	--	0	0	0
				Sub Total	98,259,031	53,086,344	151,345,375
Overhead (15%)					14,738,854	7,962,951	22,701,805
				TOTAL COST	112,997,885	61,049,295	174,047,180

Manual routine maintenance of road	Km	7.0	140,672	7,248	984,704	50,736	1,035,440
Routine maintenance of asphalt road	Km	7.0	372,800	137,700	2,609,600	963,900	3,573,500
				Sub Total	3,594,304	1,014,636	4,608,940
Maintenance of Timber Bridge (New)	m2	308.0	6,882	1,232	2,119,656	379,456	2,499,112
Maintenance of Concrete Bridge (New)	m2	0.0	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	209.0	7,507	2,460	1,568,963	514,140	2,083,103
Maintenance of Concrete Bridge (Exist)	m2	0.0	4,417	2,375	0	0	0

Earthwork & Pavement Unit Cost (Rp/Ka)	:	18,404,820
Timber Bridge Unit Cost (Rp/m2)	:	146,797
Concrete Bridge Unit Cost (Rp/m2)	:	
Survived Value (Rp)	:	20,977,110
Maintenance Rate without Bridge (%)	:	3.58
New Bridge Cost Rate (%)	:	25.98

PROV : KALIMANTAN SELATAN KAB : BANJAR
 LINK NO : 46 (IIIB-1) LENGTH : 4 Km
 UPGRADE : 8.0m road bed, 4.0m road with surface Dressing (1)

(Rp)

I T E M	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		TOTAL	
			LOCAL	FOREIGN	LOCAL	FOREIGN		
Site Clearance in Light Bush	m2	0.0	173	91	0	0	0	
Subgrade Preparation	m2	0.0	22	11	0	0	0	
Normal Fill	m3	0.0	1,792	863	0	0	0	
Fill in Swamp	m3	0.0	2,637	1,052	0	0	0	
Normal Excavation to Spoil	m3	0.0	1,047	522	0	0	0	
Sub Base Course	m3	714.0	3,363	1,347	2,401,182	961,758	3,362,940	
Base Course	m3	1120.0	4,622	2,299	5,176,640	2,574,880	7,751,520	
Shoulder	m2	16000.0	313	146	5,008,000	2,336,000	7,344,000	
Asphalt Patching	m2	0.0	3,728	1,377	0	0	0	
Surface Dressing (Single)	m2	16000.0	616	595	9,856,000	9,520,000	19,376,000	
Surface Dressing (Double)	m2	0.0	771	936	0	0	0	
Earth Drain	m	3200.0	870	119	2,784,000	380,800	3,164,800	
Earth Drain in Swamp (by machine)	m3	0.0	1,256	474	0	0	0	
Pipe Culvert Ø80cm	m	12.0	44,520	42,161	534,240	505,932	1,040,172	
Masonry Culvert (80x80cm)	m	0.0	60,401	36,609	0	0	0	
Retaining Wall and Wing Wall (Timber)	m2	0.0	9,691	246	0	0	0	
Retaining Wall and Wing Wall (Masonry)	m3	0.0	44,050	11,678	0	0	0	
Gabion Protection	m3	0.0	11,979	120	0	0	0	
New Bridge (Timber)	SET	1.0	--	--	0	0	0	
New Bridge (Concrete)	SET	1.0	--	--	0	0	0	
					Sub Total	25,760,062	16,279,370	42,039,432
Overhead (15%)						3,864,009	2,441,905	6,305,914
					TOTAL COST	29,624,071	18,721,275	48,345,346

Manual routine maintenance of road	Km	4.0	140,672	7,248	562,688	28,992	591,680
Routine maintenance of asphalt road	Km	4.0	372,800	137,700	1,491,200	550,800	2,042,000
				Sub Total	2,053,888	579,792	2,633,680
Maintenance of Timber Bridge (New)	m2	0.0	6,882	1,232	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.0	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	21.0	7,507	2,460	157,647	51,660	209,307
Maintenance of Concrete Bridge (Exist)	m2	0.0	4,417	2,375	0	0	0

Earthwork & Pavement Unit Cost (Rp/Km)	:	12,086,337
Timber Bridge Unit Cost (Rp/m2)	:	
Concrete Bridge Unit Cost (Rp/m2)	:	
Survived Value (Rp)	:	3,904,362
Maintenance Rate without Bridge (%)	:	5.45
New Bridge Cost Rate (%)	:	

PROV : KALIMANTAN SELATAN KAB : BANJAR

LINK NO : 44 (IIIA) LENGTH : 4 Km

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

(Rp)

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		TOTAL	
			LOCAL	FOREIGN	LOCAL	FOREIGN		
Site Clearance in Light Bush	m ²	0.0	173	91	0	0	0	
Subgrade Preparation	m ²	30000.0	22	11	660,000	330,000	990,000	
Normal Fill	m ³	0.0	1,792	863	0	0	0	
Fill in Swamp	m ³	0.0	2,637	1,052	0	0	0	
Normal Excavation to Spoil	m ³	861.0	1,047	522	901,467	449,442	1,350,909	
Sub Base Course	m ³	2520.0	3,363	1,347	8,474,760	3,394,440	11,869,200	
Base Course	m ³	1440.0	4,622	2,299	6,655,680	3,310,560	9,966,240	
Shoulder	m ²	12000.0	313	146	3,756,000	1,752,000	5,508,000	
Asphalt Patching	m ²	0.0	3,728	1,377	0	0	0	
Surface Dressing (Single)	m ²	0.0	616	595	0	0	0	
Surface Dressing (Double)	m ²	18000.0	771	936	13,878,000	16,848,000	30,726,000	
Earth Drain	m	400.0	870	119	348,000	47,600	395,600	
Earth Drain in Swamp (by machine)	m ³	0.0	1,256	474	0	0	0	
Pipe Culvert 80cm	m	25.0	44,520	42,161	1,113,000	1,054,025	2,167,025	
Masonry Culvert (80x80cm)	m	0.0	60,401	36,609	0	0	0	
Retaining Wall and Wing Wall (Timber)	m ²	0.0	9,691	246	0	0	0	
Retaining Wall and Wing Wall (Masonry)	m ³	6.4	44,050	11,678	281,920	74,739	356,659	
Gabion Protection	m ³	0.0	11,979	120	0	0	0	
New Bridge (Timber)	SET	1.0	--	--	88,552,118	13,409,943	101,962,061	
New Bridge (Concrete)	SET	1.0	--	--	0	0	0	
					Sub Total	124,620,945	40,670,749	165,291,694
Overhead (15%)						18,693,141	6,100,612	24,793,753
					TOTAL COST	143,314,086	46,771,361	190,085,447

Manual routine maintenance of road	Km	4.0	140,672	7,248	562,688	28,992	591,680
Routine maintenance of asphalt road	Km	4.0	372,800	137,700	1,491,200	559,800	2,042,000
			Sub Total		2,053,888	579,792	2,633,680
Maintenance of Timber Bridge (New)	m ²	584.0	6,882	1,232	4,019,088	719,488	4,738,576
Maintenance of Concrete Bridge (New)	m ²	0.0	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m ²	295.0	7,507	2,460	2,214,565	725,700	2,940,265
Maintenance of Concrete Bridge (Exist)	m ²	0.0	4,417	2,375	0	0	0

Earthwork & Pavement Unit Cost (Rp/Km)	:	18,207,269
Timber Bridge Unit Cost (Rp/m ²)	:	200,781
Concrete Bridge Unit Cost (Rp/m ²)	:	
Survived Value (Rp)	:	11,986,920
Maintenance Rate without Bridge (%)	:	3.62
New Bridge Cost Rate (%)	:	61.69

PROV : KALIMANTAN SELATAN KAB : BANJAR
 LINK NO : 40 (IIB-1) LENGTH : 7 Km
 UPGRADE : 7.0m road bed, 4.0m road with surface Dressing (1)

(Rp)

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		>>>>> TOTAL	
			LOCAL	FOREIGN	LOCAL	FOREIGN		
Site Clearance in Light Bush	m2	17000.0	173	91	2,941,000	1,547,000	4,488,000	
Subgrade Preparation	m2	0.0	22	11	0	0	0	
Normal Fill	m3	0.0	1,792	863	0	0	0	
Fill in Swamp	m3	0.0	2,637	1,052	0	0	0	
Normal Excavation to Spoil	m3	2380.0	1,047	522	2,491,860	1,242,360	3,734,220	
Sub Base Course	m3	1884.5	3,363	1,347	6,337,573	2,538,421	8,875,994	
Base Course	m3	1960.0	4,622	2,299	9,059,120	4,506,040	13,565,160	
Shoulder	m2	21000.0	313	146	6,573,000	3,066,000	9,639,000	
Asphalt Patching	m2	0.0	3,728	1,377	0	0	0	
Surface Dressing (Single)	m2	28000.0	616	595	17,248,000	16,660,000	33,908,000	
Surface Dressing (Double)	m2	0.0	771	936	0	0	0	
Earth Drain	m	3500.0	870	119	3,045,000	416,500	3,461,500	
Earth Drain in Swamp (by machine)	m3	0.0	1,256	474	0	0	0	
Pipe Culvert Ø80cm	m	18.0	44,520	42,161	801,360	758,898	1,560,258	
Masonry Culvert (80x80cm)	m	0.0	60,401	36,609	0	0	0	
Retaining Wall and Wing Wall (Timber)	m2	0.0	9,691	246	0	0	0	
Retaining Wall and Wing Wall (Masonry)	m3	3.2	44,050	11,678	140,960	37,369	178,329	
Gabion Protection	m3	0.0	11,979	120	0	0	0	
New Bridge (Timber)	SET	1.0	--	--	0	0	0	
New Bridge (Concrete)	SET	1.0	--	--	0	0	0	
					Sub Total	48,637,873	30,772,588	79,410,461
Overhead (15%)						7,295,680	4,615,888	11,911,568
					TOTAL COST	55,933,553	35,388,476	91,322,029

Manual routine maintenance of road	Km	7.0	140,672	7,248	984,704	50,736	1,035,440
Routine maintenance of asphalt road	Km	7.0	372,800	137,700	2,609,600	963,900	3,573,500
			Sub Total		3,594,304	1,014,636	4,608,940
Maintenance of Timber Bridge (New)	m2	0.0	6,882	1,232	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.0	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	107.0	7,507	2,460	803,249	263,220	1,066,469
Maintenance of Concrete Bridge (Exist)	m2	0.0	4,417	2,375	0	0	0

Earthwork & Pavement Unit Cost	(Rp/Km)	:	13,046,004
Timber Bridge Unit Cost	(Rp/m2)	:	
Concrete Bridge Unit Cost	(Rp/m2)	:	
Survived Value	(Rp)	:	8,926,227
Maintenance Rate without Bridge	(%)	:	5.05
New Bridge Cost Rate	(%)	:	

PROV : KALIMANTAN SELATAN KAD : TABALONG

LINK NO : B9 (JIIC) LENGTH : 4 Km

UPGRADE : 6.0m road bed, 4.0m road with surface Subbase Course

(Rp)

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		TOTAL	
			LOCAL	FOREIGN	LOCAL	FOREIGN		
Site Clearance in Light Bush	m ²	1000.0	174	91	174,000	91,000	265,000	
Subgrade Preparation	m ²	24000.0	22	11	528,000	264,000	792,000	
Normal Fill	m ³	0.0	1,796	863	0	0	0	
Fill in Swamp	m ³	2175.0	2,656	1,052	5,776,800	2,288,100	8,064,900	
Normal Excavation to Spoil	m ³	3464.0	1,051	522	3,640,664	1,808,208	5,448,872	
Sub Base Course	m ³	2560.0	3,379	1,347	8,650,240	3,448,320	12,098,560	
Base Course	m ³	0.0	4,637	2,299	0	0	0	
Shoulder	m ²	8000.0	314	146	2,512,000	1,168,000	3,680,000	
Asphalt Patching	m ²	0.0	3,900	1,377	0	0	0	
Surface Dressing (Single)	m ²	0.0	621	595	0	0	0	
Surface Dressing (Double)	m ²	0.0	777	936	0	0	0	
Earth Drain	m	6000.0	939	119	5,634,000	714,000	6,348,000	
Earth Drain in Swamp (by machine)	m ³	15000.0	1,271	474	19,065,000	7,110,000	26,175,000	
Pipe Culvert 800ca	m	15.0	46,069	51,306	691,035	770,790	1,461,825	
Masonry Culvert (80x80ca)	m	0.0	63,136	41,554	0	0	0	
Retaining Wall and Wing Wall (Timber)	m ²	0.0	10,758	246	0	0	0	
Retaining Wall and Wing Wall (Masonry)	m ³	0.0	46,111	11,868	0	0	0	
Gabion Protection	m ³	0.0	13,146	120	0	0	0	
New Bridge (Timber)	SET	1.0	--	--	7,785,450	963,880	8,749,330	
New Bridge (Concrete)	SET	1.0	--	--	0	0	0	
					Sub Total	54,457,189	18,626,298	73,083,487
Overhead (15%)						8,168,578	2,793,944	10,962,522
					TOTAL COST	62,625,767	21,420,242	84,046,009

Manual routine maintenance of road	Km	4.0	152,384	7,248	609,536	28,992	638,528
Routine maintenance of gravel road	Km	4.0	203,196	88,047	812,784	352,188	1,164,972
			Sub Total		1,422,320	381,180	1,803,500
Maintenance of Timber Bridge (New)	m ²	58.8	7,532	1,121	442,881	65,914	508,795
Maintenance of Concrete Bridge (New)	m ²	0.0	1,864	3,135	0	0	0
Maintenance of Timber Bridge (Exist)	m ²	0.0	7,858	2,404	0	0	0
Maintenance of Concrete Bridge (Exist)	m ²	0.0	4,464	2,471	0	0	0

Earthwork & Pavement Unit Cost (Rp/Km)	:	18,496,070
Timber Bridge Unit Cost (Rp/m ²)	:	171,118
Concrete Bridge Unit Cost (Rp/m ²)	:	
Survived Value (Rp)	:	4,839,424
Maintenance Rate without Bridge (%)	:	2.44
New Bridge Cost Rate (%)	:	11.97

PROV : KALIMANTAN SELATAN KAB : BANJAR

LINK NO : 3B (IIIB-1) LENGTH : 11 Km

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

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		TOTAL	
			LOCAL	FOREIGN	LOCAL	FOREIGN		
Site Clearance in Light Bush	m ²	22000.0	173	91	3,806,000	2,002,000	5,808,000	
Subgrade Preparation	m ²	7000.0	22	11	154,000	77,000	231,000	
Normal Fill	m ³	0.0	1,792	863	0	0	0	
Fill in Swamp	m ³	0.0	2,637	1,052	0	0	0	
Normal Excavation to Spoil	m ³	3536.0	1,047	522	3,702,192	1,845,792	5,547,984	
Sub Base Course	m ³	3362.5	3,363	1,347	11,308,087	4,529,287	15,837,374	
Base Course	m ³	3080.0	4,622	2,299	14,235,760	7,080,920	21,316,680	
Shoulder	m ²	33000.0	313	146	10,329,000	4,818,000	15,147,000	
Asphalt Patching	m ²	0.0	3,728	1,377	0	0	0	
Surface Dressing (Single)	m ²	44000.0	616	595	27,104,000	28,180,000	53,284,000	
Surface Dressing (Double)	m ²	0.0	771	936	0	0	0	
Earth Drain	m	22000.0	870	119	19,140,000	2,618,000	21,758,000	
Earth Drain in Swamp (by machine)	m ³	0.0	1,256	474	0	0	0	
Pipe Culvert 880cm	m	58.0	44,520	42,161	2,582,160	2,445,338	5,027,498	
Masonry Culvert (80x80cm)	m	0.0	60,401	36,609	0	0	0	
Retaining Wall and Wing Wall (Timber)	m ²	0.0	9,691	246	0	0	0	
Retaining Wall and Wing Wall (Masonry)	m ³	12.8	44,050	11,678	563,840	149,478	713,318	
Gabion Protection	m ³	0.0	11,979	120	0	0	0	
New Bridge (Timber)	SET	1.0	--	--	0	0	0	
New Bridge (Concrete)	SET	1.0	--	--	0	0	0	
					Sub Total			
						92,925,039	51,745,815	144,670,854
Overhead (15%)						13,938,755	7,761,872	21,700,627
					TOTAL COST	106,863,794	59,507,687	166,371,481

Manual routine maintenance of road	Km	11.0	140,672	7,248	1,547,392	77,728	1,627,120
Routine maintenance of asphalt road	Km	11.0	372,800	137,700	4,100,800	1,514,700	5,615,500
			Sub Total		5,648,192	1,594,428	7,242,620
Maintenance of Timber Bridge (New)	m ²	0.0	6,882	1,232	0	0	0
Maintenance of Concrete Bridge (New)	m ²	0.0	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m ²	0.0	7,507	2,460	0	0	0
Maintenance of Concrete Bridge (Exist)	m ²	0.0	4,417	2,375	0	0	0

Earthwork & Pavement Unit Cost	(Rp/Km)	:	15,124,680
Timber Bridge Unit Cost	(Rp/m ²)	:	
Concrete Bridge Unit Cost	(Rp/m ²)	:	
Survived Value	(Rp)	:	15,349,497
Maintenance Rate without Bridge	(%)	:	4.35
New Bridge Cost Rate	(%)	:	

PROV : KALIMANTAN SELATAN KAB : BANJAR

LINK NO : 36 (IIIA) LENGTH : 12 Km

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

(Rp)

ITEM	UNIT	QUANTITY	UNIT COST		COST		TOTAL	
			LOCAL	FOREIGN	LOCAL	FOREIGN		
Site Clearance in Light Bush	m2	0.0	173	91	0	0	0	
Subgrade Preparation	m2	7000.0	22	11	154,000	77,000	231,000	
Normal Fill	m3	0.0	1,792	863	0	0	0	
Fill in Swamp	m3	0.0	2,637	1,052	0	0	0	
Normal Excavation to Spoil	m3	2376.0	1,047	522	2,487,672	1,240,272	3,727,944	
Sub Base Course	m3	4299.0	3,363	1,347	14,457,537	5,790,753	20,248,290	
Base Course	m3	4320.0	4,622	2,299	19,967,040	9,931,680	29,898,720	
Shoulder	m2	30000.0	313	146	9,390,000	4,380,000	13,770,000	
Asphalt Patching	m2	0.0	3,728	1,377	0	0	0	
Surface Dressing (Single)	m2	0.0	616	595	0	0	0	
Surface Dressing (Double)	m2	54000.0	771	936	41,634,000	50,544,000	92,178,000	
Earth Drain	m	0.0	870	119	0	0	0	
Earth Drain in Swamp (by machine)	m3	0.0	1,256	474	0	0	0	
Pipe Culvert 80x80cm	m	0.0	44,520	42,161	0	0	0	
Masonry Culvert (80x80cm)	m	0.0	60,401	36,609	0	0	0	
Retaining Wall and Wing Wall (Timber)	m2	0.0	9,691	246	0	0	0	
Retaining Wall and Wing Wall (Masonry)	m3	0.0	44,050	11,678	0	0	0	
Gabion Protection	m3	0.0	11,979	120	0	0	0	
New Bridge (Timber)	SET	1.0	--	--	0	0	0	
New Bridge (Concrete)	SET	1.0	--	--	0	0	0	
					88,090,249	71,963,705	160,053,954	
Overhead (15%)					13,213,537	10,794,555	24,008,092	
					TOTAL COST	101,303,786	82,758,260	184,062,046

Manual routine maintenance of road	Km	12.0	140,672	7,248	1,688,064	86,976	1,775,040
Routine maintenance of asphalt road	Km	12.0	372,800	137,700	4,473,600	1,652,400	6,126,000
					Sub Total		
					6,161,664	1,739,376	7,901,040
Maintenance of Timber Bridge (New)	m2	0.0	6,882	1,232	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.0	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	284.0	7,507	2,460	2,131,988	698,640	2,830,628
Maintenance of Concrete Bridge (Exist)	m2	0.0	4,417	2,375	0	0	0

Earthwork & Pavement Unit Cost (Rp/Km)	:	15,338,504
Timber Bridge Unit Cost (Rp/m2)	:	
Concrete Bridge Unit Cost (Rp/m2)	:	
Survived Value (Rp)	:	23,673,312
Maintenance Rate without Bridge (%)	:	4.29
New Bridge Cost Rate (%)	:	

PROV : KALIMANTAN SELATAN KAB : BANJAR

LINK NO : 1 (IIIA) LENGTH : 5 Km

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

(Rp)

ITEM	UNIT	QUANTITY	UNIT COST		COST		TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Site Clearance in Light Bush	m2	2000.0	173	91	346,000	182,000	528,000
Subgrade Preparation	m2	28000.0	22	11	616,000	308,000	924,000
Normal Fill	m3	0.0	1,792	863	0	0	0
Fill in Swamp	m3	0.0	2,637	1,052	0	0	0
Normal Excavation to Spoil	m3	10265.0	1,047	522	10,747,455	5,358,330	16,105,785
Sub Base Course	m3	2388.0	3,363	1,347	8,030,844	3,216,636	11,247,480
Base Course	m3	1600.0	4,622	2,299	7,395,200	3,678,400	11,073,600
Shoulder	m2	15000.0	313	146	4,695,000	2,190,000	6,885,000
Asphalt Patching	m2	0.0	3,728	1,377	0	0	0
Surface Dressing (Single)	m2	0.0	616	595	0	0	0
Surface Dressing (Double)	m2	20000.0	771	936	15,420,000	18,720,000	34,140,000
Earth Drain	m	400.0	870	119	348,000	47,600	395,600
Earth Drain in Swamp (by machine)	m3	0.0	1,256	474	0	0	0
Pipe Culvert Ø80cm	m	56.0	44,520	42,161	2,493,120	2,361,016	4,854,136
Masonry Culvert (80x80cm)	m	0.0	60,401	36,609	0	0	0
Retaining Wall and Wing Wall (Timber)	m2	0.0	9,691	246	0	0	0
Retaining Wall and Wing Wall (Masonry)	m3	19.2	44,050	11,678	845,760	224,217	1,069,977
Babion Protection	m3	0.0	11,979	120	0	0	0
New Bridge (Timber)	SET	1.0	--	--	9,918,536	1,576,063	11,494,599
New Bridge (Concrete)	SET	1.0	--	--	0	0	0
					Sub Total		
					60,855,915	37,862,262	98,718,177
Overhead (15%)					9,128,387	5,679,339	14,807,726
					TOTAL COST		
					69,984,302	43,541,601	113,525,903

Manual routine maintenance of road	Km	5.0	140,672	7,248	703,360	36,240	739,600
Routine maintenance of asphalt road	Km	5.0	372,800	137,700	1,864,000	688,500	2,552,500
					Sub Total		
					2,567,360	724,740	3,292,100
Maintenance of Timber Bridge (New)	m2	64.0	6,882	1,232	440,448	78,848	519,296
Maintenance of Concrete Bridge (New)	m2	0.0	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	264.0	7,507	2,460	1,981,848	649,440	2,631,288
Maintenance of Concrete Bridge (Exist)	m2	0.0	4,417	2,375	0	0	0

Earthwork & Pavement	Unit Cost	(Rp/Km)	:	20,061,423
Timber Bridge	Unit Cost	(Rp/m2)	:	206,544
Concrete Bridge	Unit Cost	(Rp/m2)	:	
Survived Value		(Rp)	:	11,766,384
Maintenance Rate without Bridge		(%)	:	3.28
New Bridge Cost Rate		(%)	:	11.64

PROV : KALIMANTAN SELATAN KAB : BANJAR

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

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

(Rp)

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		TOTAL	
			LOCAL	FOREIGN	LOCAL	FOREIGN		
Site Clearance in Light Bush	m ²	12000.0	173	91	2,076,000	1,092,000	3,168,000	
Subgrade Preparation	m ²	14000.0	22	11	308,000	154,000	462,000	
Normal Fill	m ³	0.0	1,792	863	0	0	0	
Fill in Swamp	m ³	0.0	2,637	1,052	0	0	0	
Normal Excavation to Spoil	m ³	2472.0	1,047	522	2,588,184	1,290,384	3,878,568	
Sub Base Course	m ³	1638.0	3,363	1,347	5,508,594	2,206,386	7,714,980	
Base Course	m ³	1920.0	4,622	2,299	8,874,240	4,414,080	13,288,320	
Shoulder	m ²	18000.0	313	146	5,634,000	2,628,000	8,262,000	
Asphalt Patching	m ²	0.0	3,728	1,377	0	0	0	
Surface Dressing (Single)	m ²	0.0	616	595	0	0	0	
Surface Dressing (Double)	m ²	24000.0	771	936	18,504,000	22,464,000	40,968,000	
Earth Drain	m	0.0	870	119	0	0	0	
Earth Drain in Swamp (by machine)	m ³	0.0	1,256	474	0	0	0	
Pipe Culvert 80cm	m	0.0	44,520	42,161	0	0	0	
Masonry Culvert (80x80cm)	m	0.0	60,401	36,609	0	0	0	
Retaining Wall and Wing Wall (Timber)	m ²	0.0	9,691	246	0	0	0	
Retaining Wall and Wing Wall (Masonry)	m ³	0.0	44,050	11,678	0	0	0	
Gabion Protection	m ³	0.0	11,979	120	0	0	0	
New Bridge (Timber)	SET	1.0	--	--	0	0	0	
New Bridge (Concrete)	SET	1.0	--	--	0	0	0	
					Sub Total	43,493,018	34,248,850	77,741,868
Overhead (15%)						6,523,952	5,137,327	11,661,279
					TOTAL COST	50,016,970	39,386,177	89,403,147

Manual routine maintenance of road	Ka	6.0	140,672	7,248	844,032	43,488	887,520
Routine maintenance of asphalt road	Ka	6.0	372,800	137,700	2,236,800	826,200	3,063,000
			Sub Total		3,080,832	869,688	3,950,520
Maintenance of Timber Bridge (New)	m ²	0.0	6,882	1,232	0	0	0
Maintenance of Concrete Bridge (New)	m ²	0.0	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m ²	194.0	7,507	2,460	1,456,358	477,240	1,933,598
Maintenance of Concrete Bridge (Exist)	m ²	0.0	4,417	2,375	0	0	0

Earthwork & Pavement	Unit Cost	(Rp/Ka)	:	14,900,525
Timber Bridge	Unit Cost	(Rp/m ²)	:	
Concrete Bridge	Unit Cost	(Rp/m ²)	:	
Survived Value	(Rp)		:	9,494,064
Maintenance Rate without Bridge	(%)		:	4.42
New Bridge Cost Rate	(%)		:	

PROV : KALIMANTAN SELATAN KAB : BANJAR

LINK NO : 19 (IIIC) LENGTH : 3 Km

UPGRADE : 7.0m road bed, 4.0m road with surface Subbase Course (Rp)

ITEM	UNIT	QUANTITY	UNIT COST		COST		TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Site Clearance in Light Bush	m ²	0.0	173	91	0	0	0
Subgrade Preparation	m ²	21000.0	22	11	462,000	231,000	693,000
Normal Fill	m ³	0.0	1,792	863	0	0	0
Fill in Swamp	m ³	0.0	2,637	1,052	0	0	0
Normal Excavation to Spoil	m ³	510.0	1,047	522	533,970	266,220	800,190
Sub Base Course	m ³	1920.0	3,363	1,347	6,456,960	2,586,240	9,043,200
Base Course	m ³	0.0	4,622	2,299	0	0	0
Shoulder	m ²	9000.0	313	146	2,817,000	1,314,000	4,131,000
Asphalt Patching	m ²	0.0	3,728	1,377	0	0	0
Surface Dressing (Single)	m ²	0.0	616	595	0	0	0
Surface Dressing (Double)	m ²	0.0	771	936	0	0	0
Earth Drain	m	300.0	870	119	261,000	35,700	296,700
Earth Drain in Swamp (by machine)	m ³	0.0	1,256	474	0	0	0
Pipe Culvert D80cm	m	1.0	44,520	42,161	44,520	42,161	86,681
Masonry Culvert (80x80cm)	m	0.0	60,401	36,609	0	0	0
Retaining Wall and Wing Wall (Timber)	m ²	0.0	9,691	246	0	0	0
Retaining Wall and Wing Wall (Masonry)	m ³	0.0	44,050	11,678	0	0	0
Gabion Protection	m ³	0.0	11,979	120	0	0	0
New Bridge (Timber)	SET	1.0	--	--	0	0	0
New Bridge (Concrete)	SET	1.0	--	--	0	0	0
			Sub Total		10,575,450	4,475,321	15,050,771
Overhead (15%)					1,586,317	671,298	2,257,615
			TOTAL COST		12,161,767	5,146,619	17,308,386

Manual routine maintenance of road	Km	3.0	140,672	7,248	422,016	21,744	443,760
Routine maintenance of gravel road	Km	3.0	202,224	88,047	606,672	264,141	870,813
			Sub Total		1,028,688	285,885	1,314,573
Maintenance of Timber Bridge (New)	m ²	0.0	6,882	1,232	0	0	0
Maintenance of Concrete Bridge (New)	m ²	0.0	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m ²	68.0	7,507	2,460	510,476	167,280	677,756
Maintenance of Concrete Bridge (Exist)	m ²	0.0	4,417	2,375	0	0	0

Earthwork & Pavement Unit Cost (Rp/Km)	:	5,769,462
Timber Bridge Unit Cost (Rp/m ²)	:	
Concrete Bridge Unit Cost (Rp/m ²)	:	
Survived Value (Rp)	:	3,617,280
Maintenance Rate without Bridge (%)	:	7.60
New Bridge Cost Rate (%)	:	

PROV : KALIMANTAN SELATAN KAB : BANJAR

LINK NO : 7 (IIIC) LENGTH : 8 Km

UPGRADE : 6.0m road bed, 3.0m road with surface Subbase Course

(Rp)

I T E M	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		>>>>> TOTAL	
			LOCAL	FOREIGN	LOCAL	FOREIGN		
Site Clearance in Light Bush	m2	2000.0	173	91	346,000	182,000	528,000	
Subgrade Preparation	m2	0.0	22	11	0	0	0	
Normal Fill	m3	0.0	1,792	863	0	0	0	
Fill in Swamp	m3	0.0	2,637	1,052	0	0	0	
Normal Excavation to Spoil	m3	2500.0	1,047	522	2,617,500	1,305,000	3,922,500	
Sub Base Course	m3	463.5	3,363	1,347	1,558,750	624,334	2,183,084	
Base Course	m3	1440.0	4,622	2,299	6,655,680	3,310,560	9,966,240	
Shoulder	m2	24000.0	313	146	7,512,000	3,504,000	11,016,000	
Asphalt Patching	m2	0.0	3,728	1,377	0	0	0	
Surface Dressing (Single)	m2	0.0	616	595	0	0	0	
Surface Dressing (Double)	m2	0.0	771	936	0	0	0	
Earth Drain	m	0.0	870	119	0	0	0	
Earth Drain in Swamp (by machine)	m3	0.0	1,258	474	0	0	0	
Pipe Culvert DB0cm	m	25.0	44,520	42,161	1,113,000	1,054,025	2,167,025	
Masonry Culvert (80x80cm)	m	0.0	60,401	36,609	0	0	0	
Retaining Wall and Wing Wall (Timber)	m2	0.0	9,691	246	0	0	0	
Retaining Wall and Wing Wall (Masonry)	m3	6.4	44,050	11,678	281,920	74,739	356,659	
Gabion Protection	m3	0.0	11,979	120	0	0	0	
New Bridge (Timber)	SET	1.0	--	--	9,416,488	1,365,552	10,782,040	
New Bridge (Concrete)	SET	1.0	--	--	0	0	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	47,059,779
Manual routine maintenance of road	Km	8.0	140,672	7,248	1,125,376	57,984	1,183,360	
Routine maintenance of gravel road	Km	8.0	202,224	88,047	1,617,792	704,376	2,322,168	
					Sub Total			
						2,743,168	762,360	3,505,528
Maintenance of Timber Bridge (New)	m2	96.0	6,882	1,232	660,672	118,272	778,944	
Maintenance of Concrete Bridge (New)	m2	0.0	1,759	2,656	0	0	0	
Maintenance of Timber Bridge (Exist)	m2	136.0	7,507	2,460	1,020,952	334,560	1,355,512	
Maintenance of Concrete Bridge (Exist)	m2	0.0	4,417	2,375	0	0	0	
					Earthwork & Pavement Unit Cost (Rp/Km)	:	4,332,554	
					Timber Bridge Unit Cost (Rp/m2)	:	129,160	
					Concrete Bridge Unit Cost (Rp/m2)	:		
					Survived Value (Rp)	:	873,233	
					Maintenance Rate without Bridge (%)	:	10.11	
					New Bridge Cost Rate (%)	:	26.35	

PROV : KALIMANTAN SELATAN KAB : BANJAR

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

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

(Rp)

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		TOTAL	
			LOCAL	FOREIGN	LOCAL	FOREIGN		
Site Clearance in Light Bush	m ²	8000.0	173	91	1,394,000	728,000	2,112,000	
Subgrade Preparation	m ²	0.0	22	11	0	0	0	
Normal Fill	m ³	0.0	1,792	863	0	0	0	
Fill in Swamp	m ³	0.0	2,637	1,052	0	0	0	
Normal Excavation to Spoil	m ³	3400.0	1,047	522	3,559,800	1,774,800	5,334,600	
Sub Base Course	m ³	2478.5	3,363	1,347	8,335,195	3,338,539	11,673,734	
Base Course	m ³	2800.0	4,622	2,299	12,941,600	6,437,200	19,378,800	
Shoulder	m ²	20000.0	313	146	6,260,000	2,920,000	9,180,000	
Asphalt Patching	m ²	0.0	3,728	1,377	0	0	0	
Surface Dressing (Single)	m ²	40000.0	616	595	24,640,000	23,800,000	48,440,000	
Surface Dressing (Double)	m ²	0.0	771	936	0	0	0	
Earth Drain	m	0.0	870	119	0	0	0	
Earth Drain in Swamp (by machine)	m ³	0.0	1,256	474	0	0	0	
Pipe Culvert 180x80cm	m	0.0	44,520	42,161	0	0	0	
Masonry Culvert 180x80cm	m	0.0	60,401	36,609	0	0	0	
Retaining Wall and Wing Wall (Timber)	m ²	0.0	9,691	246	0	0	0	
Retaining Wall and Wing Wall (Masonry)	m ³	0.0	44,050	11,678	0	0	0	
Gabion Protection	m ³	0.0	11,979	120	0	0	0	
New Bridge (Timber)	SET	1.0	--	--	0	0	0	
New Bridge (Concrete)	SET	1.0	--	--	0	0	0	
					Sub Total			
						57,120,595	38,998,539	96,119,134
Overhead (15%)						8,568,089	5,849,780	14,417,869
					TOTAL COST	65,688,684	44,848,319	110,537,003

Manual routine maintenance of road	Km	10.0	140,672	7,248	1,406,720	72,480	1,479,200	
Routine maintenance of asphalt road	Km	10.0	372,800	137,700	3,728,000	1,377,000	5,105,000	
					Sub Total			
						5,134,720	1,449,480	6,584,200
Maintenance of Timber Bridge (New)	m ²	0.0	6,882	1,232	0	0	0	
Maintenance of Concrete Bridge (New)	m ²	0.0	1,759	2,656	0	0	0	
Maintenance of Timber Bridge (Exist)	m ²	201.0	7,507	2,460	1,508,907	494,460	2,003,367	
Maintenance of Concrete Bridge (Exist)	m ²	0.0	4,417	2,375	0	0	0	

Earthwork & Pavement Unit Cost (Rp/Km)	:	11,053,700
Timber Bridge Unit Cost (Rp/m ²)	:	
Concrete Bridge Unit Cost (Rp/m ²)	:	
Survived Value (Rp)	:	12,047,373
Maintenance Rate without Bridge (%)	:	5.96
New Bridge Cost Rate (%)	:	

PROV : KALIMANTAN SELATAN KAB : BANJAR

LINK NO : 26 (IIB-2) LENGTH : 3 Km

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

(Rp)

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		TOTAL	
			LOCAL	FOREIGN	LOCAL	FOREIGN		
Site Clearance in Light Bush	m ²	2000.0	173	91	346,000	182,000	528,000	
Subgrade Preparation	m ²	0.0	22	11	0	0	0	
Normal Fill	m ³	0.0	1,792	863	0	0	0	
Fill in Swamp	m ³	0.0	2,637	1,052	0	0	0	
Normal Excavation to Spoil	m ³	0.0	1,047	522	0	0	0	
Sub Base Course	m ³	428.0	3,363	1,347	1,439,364	576,516	2,015,880	
Base Course	m ³	720.0	4,622	2,299	3,327,840	1,655,280	4,983,120	
Shoulder	m ²	6000.0	313	146	1,878,000	876,000	2,754,000	
Asphalt Patching	m ²	0.0	3,728	1,377	0	0	0	
Surface Dressing (Single)	m ²	0.0	616	595	0	0	0	
Surface Dressing (Double)	m ²	0.0	771	936	0	0	0	
Earth Drain	m	0.0	870	119	0	0	0	
Earth Drain in Swamp (by machine)	m ³	0.0	1,256	474	0	0	0	
Pipe Culvert D80cm	m	0.0	44,520	42,161	0	0	0	
Masonry Culvert (80x80cm)	m	0.0	60,401	36,609	0	0	0	
Retaining Wall and Wing Wall (Timber)	m ²	0.0	9,691	246	0	0	0	
Retaining Wall and Wing Wall (Masonry)	m ³	0.0	44,050	11,678	0	0	0	
Gabion Protection	m ³	0.0	11,979	120	0	0	0	
New Bridge (Timber)	SET	1.0	--	--	0	0	0	
New Bridge (Concrete)	SET	1.0	--	--	0	0	0	
					Sub Total	6,991,204	3,289,796	10,281,000
Overhead (15%)						1,048,680	493,469	1,542,149
					TOTAL COST	8,039,884	3,783,265	11,823,149

Manual routine maintenance of road	Km	3.0	140,672	7,240	422,016	21,744	443,760	
Routine maintenance of gravel road	Km	3.0	202,224	88,047	606,672	264,141	870,813	
					Sub Total	1,028,688	285,885	1,314,573
Maintenance of Timber Bridge (New)	m ²	0.0	6,882	1,232	0	0	0	
Maintenance of Concrete Bridge (New)	m ²	0.0	1,759	2,656	0	0	0	
Maintenance of Timber Bridge (Exist)	m ²	132.0	7,507	2,460	990,924	324,720	1,315,644	
Maintenance of Concrete Bridge (Exist)	m ²	0.0	4,417	2,375	0	0	0	

Earthwork & Pavement Unit Cost (Rp/Km)	:	3,941,050
Timber Bridge Unit Cost (Rp/m ²)	:	
Concrete Bridge Unit Cost (Rp/m ²)	:	
Survived Value (Rp)	:	1,007,940
Maintenance Rate without Bridge (%)	:	11.12
New Bridge Cost Rate (%)	:	

PROV : KALIMANTAN SELATAN KAB : BANJAR

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

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

(Rp)

I T E M	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		TOTAL	
			LOCAL	FOREIGN	LOCAL	FOREIGN		
Site Clearance in Light Bush	m2	0.0	173	91	0	0	0	
Subgrade Preparation	m2	0.0	22	11	0	0	0	
Normal Fill	m3	0.0	1,792	863	0	0	0	
Fill in Swamp	m3	0.0	2,637	1,052	0	0	0	
Normal Excavation to Spoil	m3	0.0	1,047	522	0	0	0	
Sub Base Course	m3	1548.0	3,363	1,347	5,205,924	2,085,156	7,291,080	
Base Course	m3	2240.0	4,622	2,299	10,353,280	5,149,760	15,503,040	
Shoulder	m2	16000.0	313	146	5,008,000	2,336,000	7,344,000	
Asphalt Patching	m2	0.0	3,728	1,377	0	0	0	
Surface Dressing (Single)	m2	32000.0	616	595	19,712,000	19,040,000	38,752,000	
Surface Dressing (Double)	m2	0.0	771	936	0	0	0	
Earth Drain	m	4000.0	870	119	3,480,000	476,000	3,956,000	
Earth Drain in Swamp (by machine)	m3	0.0	1,256	474	0	0	0	
Pipe Culvert 880cm	m	6.0	44,520	42,161	267,120	252,966	520,086	
Masonry Culvert 180x80cm	m	0.0	60,401	36,609	0	0	0	
Retaining Wall and Wing Wall (Timber)	m2	0.0	9,691	246	0	0	0	
Retaining Wall and Wing Wall (Masonry)	m3	0.0	44,050	11,678	0	0	0	
Gabion Protection	m3	0.0	11,979	120	0	0	0	
New Bridge (Timber)	SET	1.0	--	--	0	0	0	
New Bridge (Concrete)	SET	1.0	--	--	0	0	0	
					Sub Total	44,026,324	29,339,882	73,366,206
Overhead (15%)						6,603,948	4,400,982	11,004,930
					TOTAL COST	50,630,272	33,740,864	84,371,136

Manual routine maintenance of road	Km	8.0	140,672	7,248	1,125,376	57,984	1,183,360
Routine maintenance of asphalt road	Km	8.0	372,800	137,700	2,982,400	1,101,600	4,084,000
			Sub Total		4,107,776	1,159,584	5,267,360
Maintenance of Timber Bridge (New)	m2	0.0	6,882	1,232	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.0	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	56.0	7,507	2,460	420,392	137,760	558,152
Maintenance of Concrete Bridge (Exist)	m2	0.0	4,417	2,375	0	0	0

Earthwork & Pavement Unit Cost	(Rp/Km)	:	10,546,392
Timber Bridge Unit Cost	(Rp/m2)	:	
Concrete Bridge Unit Cost	(Rp/m2)	:	
Survived Value	(Rp)	:	8,204,364
Maintenance Rate without Bridge	(%)	:	6.24
New Bridge Cost Rate	(%)	:	

PROV : KALIMANTAN SELATAN KAB : BANJAR

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

UPGRADE : 6.5m road bed, 4.0m road with surface Base Course

(Rp)

I T E M	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		TOTAL	
			LOCAL	FOREIGN	LOCAL	FOREIGN		
Site Clearance in Light Bush	m2	0.0	173	91	0	0	0	
Subgrade Preparation	m2	0.0	22	11	0	0	0	
Normal Fill	m3	0.0	1,792	863	0	0	0	
Fill in Swamp	m3	0.0	2,637	1,052	0	0	0	
Normal Excavation to Spoil	m3	2500.0	1,047	522	2,617,500	1,305,000	3,922,500	
Sub Base Course	m3	1000.0	3,363	1,347	3,363,000	1,347,000	4,710,000	
Base Course	m3	1680.0	4,622	2,299	7,764,960	3,862,320	11,627,280	
Shoulder	m2	17500.0	313	146	5,477,500	2,555,000	8,032,500	
Asphalt Patching	m2	0.0	3,728	1,377	0	0	0	
Surface Dressing (Single)	m2	0.0	616	595	0	0	0	
Surface Dressing (Double)	m2	0.0	771	936	0	0	0	
Earth Drain	m	0.0	870	119	0	0	0	
Earth Drain in Swamp (by machine)	m3	0.0	1,256	474	0	0	0	
Pipe Culvert 80cm	m	0.0	44,520	42,161	0	0	0	
Masonry Culvert (80x80cm)	m	0.0	60,401	36,609	0	0	0	
Retaining Wall and Wing Wall (Timber)	m2	0.0	9,691	246	0	0	0	
Retaining Wall and Wing Wall (Masonry)	m3	0.0	44,050	11,678	0	0	0	
Gabion Protection	m3	0.0	11,979	120	0	0	0	
New Bridge (Timber)	SET	1.0	--	--	0	0	0	
New Bridge (Concrete)	SET	1.0	--	--	0	0	0	
					19,222,960	9,069,320	28,292,280	
Overhead (15%)					2,883,444	1,360,398	4,243,842	
					TOTAL COST	22,106,404	10,429,718	32,536,122

Manual routine maintenance of road	Ka	7.0	140,672	7,248	984,704	50,736	1,035,440
Routine maintenance of gravel road	Kb	7.0	202,224	88,047	1,415,568	616,329	2,031,897
				Sub Total	2,400,272	667,065	3,067,337
Maintenance of Timber Bridge (New)	m2	0.0	6,882	1,232	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.0	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	106.0	7,507	2,460	795,742	260,760	1,056,502
Maintenance of Concrete Bridge (Exist)	m2	0.0	4,417	2,375	0	0	0

Earthwork & Pavement Unit Cost (Rp/Km)	:	4,648,017
Timber Bridge Unit Cost (Rp/m2)	:	
Concrete Bridge Unit Cost (Rp/m2)	:	
Survived Value (Rp)	:	2,355,000
Maintenance Rate without Bridge (%)	:	9.43
New Bridge Cost Rate (%)	:	

PROV : KALIMANTAN SELATAN KAB : BANJAR

LINK NO : 4 (IIIA) LENGTH : 11 Km

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

(Rp)

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		>>>>> TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Site Clearance in Light Bush	m2	0.0	173	91	0	0	0
Subgrade Preparation	m2	0.0	22	11	0	0	0
Normal Fill	m3	0.0	1,792	863	0	0	0
Fill in Swamp	m3	0.0	2,637	1,052	0	0	0
Normal Excavation to Spoil	m3	11440.0	1,047	522	11,977,680	5,971,680	17,949,360
Sub Base Course	m3	3730.5	3,363	1,347	12,545,671	5,024,983	17,570,654
Base Course	m3	3960.0	4,622	2,299	18,303,120	9,104,040	27,407,160
Shoulder	m2	33000.0	313	146	10,329,000	4,818,000	15,147,000
Asphalt Patching	m2	0.0	3,728	1,377	0	0	0
Surface Dressing (Single)	m2	0.0	616	595	0	0	0
Surface Dressing (Double)	m2	49500.0	771	936	38,164,500	46,332,000	84,496,500
Earth Drain	m	0.0	870	119	0	0	0
Earth Drain in Swamp (by machine)	m3	0.0	1,256	474	0	0	0
Pipe Culvert 800cm	m	105.0	44,520	42,161	4,674,600	4,426,905	9,101,505
Masonry Culvert (80x80cm)	m	0.0	60,401	36,609	0	0	0
Retaining Wall and Wing Wall (Timber)	m2	0.0	9,691	246	0	0	0
Retaining Wall and Wing Wall (Masonry)	m3	28.8	44,050	11,678	1,268,640	336,326	1,604,966
Gabion Protection	m3	0.0	11,979	120	0	0	0
New Bridge (Timber)	SET	1.0	--	--	0	0	0
New Bridge (Concrete)	SET	1.0	--	--	0	0	0
				Sub Total	97,263,211	76,013,934	173,277,145
Overhead (15%)					14,589,481	11,402,090	25,991,571
				TOTAL COST	111,852,692	87,416,024	199,268,716

Manual routine maintenance of road	Km	11.0	140,672	7,248	1,547,392	79,728	1,627,120
Routine maintenance of asphalt road	Km	11.0	372,800	137,700	4,100,800	1,514,700	5,615,500
			Sub Total		5,648,192	1,594,428	7,242,620
Maintenance of Timber Bridge (New)	m2	0.0	6,882	1,232	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.0	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	602.0	7,507	2,460	4,519,214	1,480,920	6,000,134
Maintenance of Concrete Bridge (Exist)	m2	0.0	4,417	2,375	0	0	0

Earthwork & Pavement Unit Cost (Rp/Km)	:	18,115,338
Timber Bridge Unit Cost (Rp/m2)	:	
Concrete Bridge Unit Cost (Rp/m2)	:	
Survived Value (Rp)	:	20,908,313
Maintenance Rate without Bridge (X)	:	3.63
New Bridge Cost Rate (X)	:	

PROV : KALIMANTAN SELATAN KAB : BANJAR

LINK NO : 35 (IIIA) LENGTH : 6 Km

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

(Rp)

ITEM	UNIT	QUANTITY	UNIT COST		COST		TOTAL	
			LOCAL	FOREIGN	LOCAL	FOREIGN		
Site Clearance in Light Bush	m2	0.0	173	91	0	0	0	
Subgrade Preparation	m2	0.0	22	11	0	0	0	
Normal Fill	m3	0.0	1,792	863	0	0	0	
Fill in Swamp	m3	0.0	2,637	1,052	0	0	0	
Normal Excavation to Spoil	m3	1412.0	1,047	522	1,478,364	737,064	2,215,428	
Sub Base Course	m3	2016.0	3,363	1,347	6,779,808	2,715,552	9,495,360	
Base Course	m3	2160.0	4,622	2,299	9,983,520	4,965,840	14,949,360	
Shoulder	m2	15000.0	313	146	4,695,000	2,190,000	6,885,000	
Asphalt Patching	m2	0.0	3,728	1,377	0	0	0	
Surface Dressing (Single)	m2	0.0	616	595	0	0	0	
Surface Dressing (Double)	m2	27000.0	771	936	20,817,000	25,272,000	46,089,000	
Earth Drain	m	0.0	870	119	0	0	0	
Earth Drain in Swamp (by machine)	m3	0.0	1,236	474	0	0	0	
Pipe Culvert 800cm	m	0.0	44,520	42,161	0	0	0	
Masonry Culvert (80x80cm)	m	0.0	60,401	38,609	0	0	0	
Retaining Wall and Wing Wall (Timber)	m2	0.0	9,691	246	0	0	0	
Retaining Wall and Wing Wall (Masonry)	m3	0.0	44,050	11,678	0	0	0	
Gabion Protection	m3	0.0	11,979	120	0	0	0	
New Bridge (Timber)	SET	1.0	--	--	4,053,288	605,610	4,658,898	
New Bridge (Concrete)	SET	1.0	--	--	0	0	0	
					Sub Total	47,806,980	36,486,066	84,293,046
Overhead (15%)						7,171,047	5,472,909	12,643,956
					TOTAL COST	54,978,027	41,958,975	96,937,002

Manual routine maintenance of road	Km	6.0	140,672	7,248	844,032	43,488	887,520
Routine maintenance of asphalt road	Km	6.0	372,800	137,700	2,236,800	826,200	3,063,000
			Sub Total		3,080,832	869,688	3,950,520
Maintenance of Timber Bridge (New)	m2	32.0	6,882	1,232	220,224	39,424	259,648
Maintenance of Concrete Bridge (New)	m2	0.0	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	270.0	7,507	2,460	2,026,890	664,200	2,691,090
Maintenance of Concrete Bridge (Exist)	m2	0.0	4,417	2,375	0	0	0

Earthwork & Pavement Unit Cost (Rp/Km)	:	15,263,212
Timber Bridge Unit Cost (Rp/m2)	:	167,429
Concrete Bridge Unit Cost (Rp/m2)	:	
Survived Value (Rp)	:	11,333,628
Maintenance Rate without Bridge (%)	:	4.31
New Bridge Cost Rate (%)	:	5.53

PROV : KALIMANTAN SELATAN KAB : BANJAR

LINK NO : 24 (ITIA) LENGTH : 6 Km

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

(Rp)

I T E M	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Site Clearance in Light Bush	m ²	0.0	173	91	0	0	0
Subgrade Preparation	m ²	0.0	22	11	0	0	0
Normal Fill	m ³	0.0	1,792	863	0	0	0
Fill in Swamp	m ³	0.0	2,637	1,052	0	0	0
Normal Excavation to Spoil	m ³	3707.0	1,047	522	3,891,229	1,935,054	5,816,283
Sub Base Course	m ³	836.0	3,363	1,347	2,811,468	1,126,092	3,937,560
Base Course	m ³	1920.0	4,622	2,299	8,874,240	4,414,080	13,288,320
Shoulder	m ²	12000.0	313	146	3,756,000	1,752,000	5,508,000
Asphalt Patching	m ²	0.0	3,728	1,377	0	0	0
Surface Dressing (Single)	m ²	0.0	616	595	0	0	0
Surface Dressing (Double)	m ²	24000.0	771	936	10,504,000	22,464,000	40,968,000
Earth Drain	m	0.0	870	119	0	0	0
Earth Drain in Swamp (by machine)	m ³	0.0	1,256	474	0	0	0
Pipe Culvert 800cm	m	0.0	44,520	42,161	0	0	0
Masonry Culvert (80x80cm)	m	0.0	60,401	36,609	0	0	0
Retaining Wall and Wing Wall (Timber)	m ²	0.0	9,691	246	0	0	0
Retaining Wall and Wing Wall (Masonry)	m ³	0.0	44,050	11,678	0	0	0
Babion Protection	m ³	0.0	11,979	120	0	0	0
New Bridge (Timber)	SET	1.0	--	--	0	0	0
New Bridge (Concrete)	SET	1.0	--	--	0	0	0
			Sub Total		37,026,937	31,691,226	69,518,163
Overhead (15%)					5,674,040	4,753,683	10,427,723
			TOTAL COST		43,500,977	36,444,909	79,945,886

Manual routine maintenance of road	Km	6.0	140,672	7,248	844,032	43,488	887,520
Routine maintenance of asphalt road	Km	6.0	372,800	137,700	2,236,800	826,200	3,063,000
			Sub Total		3,080,832	869,688	3,950,520
Maintenance of Timber Bridge (New)	m ²	0.0	6,882	1,232	0	0	0
Maintenance of Concrete Bridge (New)	m ²	0.0	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m ²	296.0	7,507	2,460	2,222,072	728,160	2,950,232
Maintenance of Concrete Bridge (Exist)	m ²	48.0	4,417	2,375	212,016	114,000	326,016

Earthwork & Pavement Unit Cost (Rp/Km)	:	13,324,315
Timber Bridge Unit Cost (Rp/m ²)	:	
Concrete Bridge Unit Cost (Rp/m ²)	:	
Survived Value (Rp)	:	6,472,128
Maintenance Rate without Bridge (%)	:	4.94
New Bridge Cost Rate (%)	:	

PROV : KALIMANTAN SELATAN KAB : BANJAR

LINK NO : 20 (IIB-2) LENGTH : 5 Km

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

(Rp)

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		TOTAL	
			LOCAL	FOREIGN	LOCAL	FOREIGN		
Site Clearance in Light Bush	m ²	0.0	173	91	0	0	0	
Subgrade Preparation	m ²	0.0	22	11	0	0	0	
Normal Fill	m ³	0.0	1,792	863	0	0	0	
Fill in Swamp	m ³	0.0	2,637	1,052	0	0	0	
Normal Excavation to Spoil	m ³	700.0	1,047	522	732,900	365,400	1,098,300	
Sub Base Course	m ³	1511.5	3,363	1,347	5,083,174	2,035,990	7,119,164	
Base Course	m ³	1200.0	4,622	2,299	5,546,400	2,758,800	8,305,200	
Shoulder	m ²	15000.0	313	146	4,695,000	2,190,000	6,885,000	
Asphalt Patching	m ²	0.0	3,728	1,377	0	0	0	
Surface Dressing (Single)	m ²	0.0	616	595	0	0	0	
Surface Dressing (Double)	m ²	0.0	771	936	0	0	0	
Earth Drain	m	0.0	870	119	0	0	0	
Earth Drain in Swamp (by machine)	m ³	0.0	1,256	474	0	0	0	
Pipe Culvert 80cm	m	0.0	44,520	42,161	0	0	0	
Masonry Culvert (80x80cm)	m	0.0	60,401	36,609	0	0	0	
Retaining Wall and Wing Wall (Timber)	m ²	0.0	9,691	246	0	0	0	
Retaining Wall and Wing Wall (Masonry)	m ³	0.0	44,050	11,678	0	0	0	
Gabion Protection	m ³	0.0	11,979	120	0	0	0	
New Bridge (Timber)	SET	1.0	--	--	0	0	0	
New Bridge (Concrete)	SET	1.0	--	--	0	0	0	
					16,057,474	7,350,190	23,407,664	
Overhead (15%)					2,408,621	1,102,528	3,511,149	
					TOTAL COST	18,466,095	8,452,718	26,918,813

Manual routine maintenance of road	Km	5.0	140,672	7,248	703,360	36,240	739,600	
Routine maintenance of gravel road	Km	5.0	202,224	88,047	1,011,120	440,235	1,451,355	
					Sub Total	1,714,480	476,475	2,190,955
Maintenance of Timber Bridge (New)	m ²	0.0	6,882	1,232	0	0	0	
Maintenance of Concrete Bridge (New)	m ²	0.0	1,759	2,656	0	0	0	
Maintenance of Timber Bridge (Exist)	m ²	48.0	7,507	2,460	360,336	118,080	478,416	
Maintenance of Concrete Bridge (Exist)	m ²	0.0	4,417	2,375	0	0	0	

Earthwork & Pavement Unit Cost (Rp/Km)	:	5,383,763
Timber Bridge Unit Cost (Rp/m ²)	:	
Concrete Bridge Unit Cost (Rp/m ²)	:	
Survived Value (Rp)	:	3,559,582
Maintenance Rate without Bridge (%)	:	8.14
New Bridge Cost Rate (%)	:	

PROV : KALIMANTAN SELATAN KAB : BANJAR

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

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

(Rp)

I T E M	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		>>>>> TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Site Clearance in Light Bush	m ²	0.0	173	91	0	0	0
Subgrade Preparation	m ²	0.0	22	11	0	0	0
Normal Fill	m ³	0.0	1,792	863	0	0	0
Fill in Swamp	m ³	0.0	2,637	1,052	0	0	0
Normal Excavation to Spoil	m ³	500.0	1,047	522	523,500	261,000	784,500
Sub Base Course	m ³	0.0	3,363	1,347	0	0	0
Base Course	m ³	0.0	4,622	2,299	0	0	0
Shoulder	m ²	18000.0	313	146	5,634,000	2,628,000	8,262,000
Asphalt Patching	m ²	2205.0	3,728	1,377	8,220,240	3,036,285	11,256,525
Surface Dressing (Single)	m ²	0.0	616	595	0	0	0
Surface Dressing (Double)	m ²	0.0	771	936	0	0	0
Earth Drain	m	4000.0	870	119	3,480,000	476,000	3,956,000
Earth Drain in Swamp (by machine)	m ³	0.0	1,256	474	0	0	0
Pipe Culvert 80cm	m	0.0	44,520	42,161	356,160	337,288	693,448
Masonry Culvert (80x80cm)	m	0.0	60,401	36,609	0	0	0
Retaining Wall and Wing Wall (Timber)	m ²	0.0	9,691	246	0	0	0
Retaining Wall and Wing Wall (Masonry)	m ³	3.2	44,050	11,678	140,960	37,369	178,329
Gabion Protection	m ³	0.0	11,979	120	0	0	0
New Bridge (Timber)	SET	1.0	--	--	0	0	0
New Bridge (Concrete)	SET	1.0	--	--	0	0	0
				Sub Total	18,354,860	6,775,942	25,130,802
Overhead (15%)					2,753,229	1,016,391	3,769,620
				TOTAL COST	21,108,089	7,792,333	28,900,422

Manual routine maintenance of road	Km	9.0	140,672	7,248	1,266,048	65,232	1,331,280
Routine maintenance of gravel road	Km	9.0	202,224	88,047	1,820,016	792,423	2,612,439
			Sub Total		3,086,064	857,655	3,943,719
Maintenance of Timber Bridge (New)	m ²	0.0	6,892	1,232	0	0	0
Maintenance of Concrete Bridge (New)	m ²	0.0	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m ²	216.0	7,507	2,460	1,621,512	531,360	2,152,872
Maintenance of Concrete Bridge (Exist)	m ²	0.0	4,417	2,375	0	0	0

Earthwork & Pavement Unit Cost (Rp/Km)	:	3,211,158
Timber Bridge Unit Cost (Rp/m ²)	:	
Concrete Bridge Unit Cost (Rp/m ²)	:	
Survived Value (Rp)	:	0
Maintenance Rate without Bridge (%)	:	13.65
New Bridge Cost Rate (%)	:	

PROV : KALIMANTAN SELATAN KAB : BANJAR
 LINK NO : 29 (IIB-2) LENGTH : 5 Km
 UPGRADE : 8.0m road bed, 4.0m road with surface Base Course

(Rp)

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<< COST >>>>		TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Site Clearance in Light Bush	m ²	0.0	173	91	0	0	0
Subgrade Preparation	m ²	8000.0	22	11	176,000	88,000	264,000
Normal Fill	m ³	0.0	1,792	863	0	0	0
Fill in Swamp	m ³	0.0	2,637	1,052	0	0	0
Normal Excavation to Spoil	m ³	1938.0	1,047	522	2,029,086	1,011,636	3,040,722
Sub Base Course	m ³	1352.0	3,363	1,347	4,546,776	1,821,144	6,367,920
Base Course	m ³	1200.0	4,622	2,299	5,546,400	2,758,800	8,305,200
Shoulder	m ²	20000.0	313	146	6,260,000	2,920,000	9,180,000
Asphalt Patching	m ²	0.0	3,728	1,377	0	0	0
Surface Dressing (Single)	m ²	0.0	616	595	0	0	0
Surface Dressing (Double)	m ²	0.0	771	936	0	0	0
Earth Drain	m	5900.0	870	119	5,133,000	702,100	5,835,100
Earth Drain in Swamp (by machine)	m ³	0.0	1,256	474	0	0	0
Pipe Culvert D80cm	m	36.0	44,520	42,161	1,602,720	1,517,796	3,120,516
Masonry Culvert (80x80cm)	m	0.0	60,401	36,609	0	0	0
Retaining Wall and Wing Wall (Timber)	m ²	0.0	9,691	246	0	0	0
Retaining Wall and Wing Wall (Masonry)	m ³	6.4	44,050	11,678	281,920	74,739	356,659
Babion Protection	m ³	0.0	11,979	120	0	0	0
New Bridge (Timber)	SET	1.0	--	--	3,766,397	575,761	4,342,158
New Bridge (Concrete)	SET	1.0	--	--	0	0	0
				Sub Total	29,342,299	11,469,976	40,812,275
Overhead (15%)					4,401,344	1,720,496	6,121,840
				TOTAL COST	33,743,643	13,190,472	46,934,115

Manual routine maintenance of road	Km	5.0	140,672	7,248	703,360	36,240	739,600
Routine maintenance of gravel road	Km	5.0	202,224	88,047	1,011,120	440,235	1,451,355
				Sub Total	1,714,480	476,475	2,190,955
Maintenance of Timber Bridge (New)	m ²	32.0	6,882	1,232	220,224	39,424	259,648
Maintenance of Concrete Bridge (New)	m ²	0.0	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m ²	84.0	7,507	2,460	630,568	206,640	837,228
Maintenance of Concrete Bridge (Exist)	m ²	0.0	4,417	2,375	0	0	0

Earthwork & Pavement	Unit Cost	(Rp/Km)	:	8,388,127
Timber Bridge	Unit Cost	(Rp/m ²)	:	158,046
Concrete Bridge	Unit Cost	(Rp/m ²)	:	
Survived Value			:	3,183,960
Maintenance Rate without Bridge	(%)		:	5.22
New Bridge Cost Rate	(%)		:	10.64

PROV : KALIMANTAN SELATAN KAB : BANJAR

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

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

(Rp)

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		>>>>> TOTAL	
			LOCAL	FOREIGN	LOCAL	FOREIGN		
Site Clearance in Light Bush	m2	0.0	173	91	0	0	0	
Subgrade Preparation	m2	24000.0	22	11	528,000	264,000	792,000	
Normal Fill	m3	0.0	1,792	863	0	0	0	
Fill in Swamp	m3	0.0	2,637	1,052	0	0	0	
Normal Excavation to Spoil	m3	2306.0	1,047	522	2,414,382	1,203,732	3,618,114	
Sub Base Course	m3	2076.0	3,363	1,347	6,981,588	2,796,372	9,777,960	
Base Course	m3	1200.0	4,622	2,297	5,546,400	2,759,800	8,305,200	
Shoulder	m2	20000.0	313	146	6,260,000	2,920,000	9,180,000	
Asphalt Patching	m2	0.0	3,728	1,377	0	0	0	
Surface Dressing (Single)	m2	0.0	616	595	0	0	0	
Surface Dressing (Double)	m2	0.0	771	936	0	0	0	
Earth Drain	m	2200.0	870	119	1,914,000	261,800	2,175,800	
Earth Drain in Swamp (by machine)	m3	0.0	1,256	474	0	0	0	
Pipe Culvert 80x80cm	m	37.0	44,520	42,161	1,647,240	1,559,957	3,207,197	
Masonry Culvert (80x80cm)	m	0.0	60,401	36,609	0	0	0	
Retaining Wall and Wing Wall (Timber)	m2	0.0	9,691	246	0	0	0	
Retaining Wall and Wing Wall (Masonry)	m3	9.6	44,050	11,678	422,880	112,108	534,988	
Gabion Protection	m3	0.0	11,979	120	0	0	0	
New Bridge (Timber)	SET	1.0	---	---	0	0	0	
New Bridge (Concrete)	SET	1.0	---	---	0	0	0	
					Sub Total	25,714,490	11,876,769	37,591,259
Overhead (15%)						3,857,173	1,781,515	5,638,688
					TOTAL COST	29,571,663	13,658,284	43,229,947

Manual routine maintenance of road	Km	5.0	140,672	7,248	703,360	36,240	739,600
Routine maintenance of gravel road	Km	5.0	202,224	88,047	1,011,120	440,235	1,451,355
			Sub Total		1,714,480	476,475	2,190,955
Maintenance of Timber Bridge (New)	m2	0.0	6,882	1,232	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.0	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	0.0	7,507	2,460	0	0	0
Maintenance of Concrete Bridge (Exist)	m2	0.0	4,417	2,375	0	0	0

Earthwork & Pavement Unit Cost	(Rp/Km)	:	8,645,990
Timber Bridge Unit Cost	(Rp/m2)	:	
Concrete Bridge Unit Cost	(Rp/m2)	:	
Survived Value	(Rp)	:	4,888,980
Maintenance Rate without Bridge	(%)	:	5.07
New Bridge Cost Rate	(%)	:	

Appendix A-4

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

PROV : KALIMANTAN SELATAN KAB : BANJAR

ITEM	UNIT	< 1988 >	< 1989 >	< 1990 >	< 1991 >	< 1992 >	< TOTAL >
EQUIPMENT :							
Bulldozer/Ripper	hr	403.7	822.8	1131.7	1568.2	1147.7	5074.1
Swamp Bulldozer	hr	0.0	0.0	0.0	110.2	217.3	327.5
Motor Grader	hr	742.8	1447.1	1872.5	2150.6	1877.3	8090.3
Hand-guide Vib. Roller	hr	662.3	1182.6	380.5	1069.0	540.3	3834.7
Tire Roller	hr	616.6	1266.6	1716.5	1388.8	1099.9	6080.4
Vibratory Roller (D&I)	hr	537.7	1046.7	1363.7	1691.5	1570.3	6209.9
Hydraulic Excavator; Wheel	hr	0.0	0.0	0.0	1710.0	2205.0	3915.0
Wheel Loader	hr	1155.7	2415.2	3171.6	3726.2	3233.4	13702.1
Water Tank Truck	hr	328.8	688.0	908.9	1067.1	1024.7	4017.5
Duap Truck	hr	8679.2	17575.2	22562.0	27372.8	25197.8	101387.0
Flat Bed Truck with Crane	hr	462.6	1128.6	327.2	1090.4	478.6	3487.4
Flat Bed Truck	hr	851.2	1916.6	2191.2	2025.9	1504.6	8489.5
Portable Crusher/Screening	hr	280.4	549.9	740.7	642.2	581.1	2794.3
Concrete Mixer	hr	22.1	30.2	52.1	47.6	55.3	207.3
Water Pump	hr	18.2	25.7	44.4	39.9	47.0	175.2
Concrete Vibrator	hr	10.6	16.8	29.1	24.6	30.6	111.7
Asphalt Sprayer	hr	616.6	1266.6	1716.5	1388.8	1099.9	6088.4
LABOUR :							
Manjur	man day	1239.8	2823.8	2018.6	3458.1	2474.6	12014.9
Skilled Labourer	man day	4192.7	10069.2	2638.1	9398.3	3546.1	29844.4
Carpenter	man day	1922.2	4961.7	809.7	4559.6	1492.0	13745.2
Mason	man day	19.2	22.4	38.4	38.4	41.2	159.6
Labourer	man day	8735.1	20113.6	19724.0	25771.8	21382.6	95727.1
Driver	man day	1894.7	4034.7	4756.3	5757.6	5050.8	21494.1
Operator	man day	945.0	1966.8	2404.7	3058.4	2730.5	11102.4
MATERIAL :							
Bitumen	l	153289.1	279041.5	396479.0	304958.2	255208.2	1388976.0
Asphalt Oil	l	20350.0	47933.3	61183.3	52766.6	38966.6	221199.8
Kerosene	l	29930.6	61566.5	82966.5	67533.2	53133.2	295130.0
Sand	m ³	390.7	774.6	1012.8	888.3	708.8	3775.2
Cement	bag	162.2	253.5	439.5	374.5	463.1	1692.8
River Stone	m ³	19.2	22.4	38.4	38.4	41.2	159.6
Steel Moulds	set	62.0	98.0	170.0	144.0	179.0	653.0
Timber	m ³	174.3	450.4	72.6	413.6	134.5	1245.4
Paint	l	1156.6	3272.4	520.0	2878.1	973.0	8000.1
Reinforcing Steel	kg	1977.8	3126.2	5423.0	4593.6	5710.1	20830.7
Tying Wire	kg	17.9	28.4	49.3	41.7	51.9	189.2
Equivalent Royalty	m ³	14519.9	31676.1	39992.1	45246.8	44255.6	175690.5

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

PROV : KALIMANTAN SELATAN KAB : BANJAR

ITEM	UNIT	< 1988 >	< 1989 >	< 1990 >	< 1991 >	< 1992 >	< TOTAL >
EQUIPMENT :							
Bulldozer/Ripper	hr	0.0	0.0	0.0	0.0	0.0	0.0
Swamp Bulldozer	hr	0.0	0.0	0.0	0.0	0.0	0.0
Motor Grader	hr	269.1	545.5	486.2	437.7	467.5	2206.0
Hand-guide 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)	hr	0.0	0.0	0.0	0.0	0.0	0.0
Hydraulic Excavator; Wheel	hr	0.0	0.0	0.0	0.0	0.0	0.0
Wheel Loader	hr	110.3	239.8	261.6	294.0	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	hr	0.0	0.1	0.1	0.1	0.1	0.4
Water Pump	hr	0.0	0.1	0.1	0.1	0.1	0.4
Concrete Vibrator	hr	0.0	0.1	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	man day	584.6	1319.9	1597.7	1967.6	2353.1	7822.9
Skilled Labourer	man day	724.8	1748.2	2376.9	3189.4	3648.8	11688.1
Carpenter	man day	263.0	616.3	776.7	998.2	1046.2	3700.4
Mason	man day	0.0	0.0	0.0	0.0	0.0	0.0
Labourer	man day	6416.9	14445.3	17452.2	21432.2	25987.0	85733.6
Driver	man day	820.6	1890.0	2212.5	2688.8	3156.1	10768.0
Operator	man day	126.7	262.5	250.5	245.6	274.4	1159.7
MATERIAL :							
Bitumen	l	3172.5	8100.0	12555.0	17955.0	22950.0	64732.5
Asphalt Oil	l	0.0	0.0	0.0	0.0	0.0	0.0
Kerosene	l	352.5	900.0	1395.0	1995.0	2550.0	7192.5
Sand	m ³	58.7	150.1	232.6	332.6	425.1	1199.1
Cement	bag	0.6	2.5	2.5	2.5	2.5	10.6
River Stone	m ³	0.0	0.0	0.0	0.0	0.0	0.0
Steel Moulds	set	0.0	0.0	0.0	0.0	0.0	0.0
tieber	m ³	23.7	55.7	70.5	90.6	95.0	335.9
Paint	l	170.2	398.9	502.8	646.2	677.3	2395.4
Reinforcing Steel	kg	3.3	13.2	13.2	13.2	13.2	56.1
Tying Wire	kg	0.0	0.1	0.1	0.1	0.1	0.4
Equivalent Royalty	m ³	1563.3	3397.7	3705.9	4163.4	4942.7	17773.0

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

PROV : KALIMANTAN SELATAN KAB : BANJAR

I T E M	UNIT	< 1988 >	< 1989 >	< 1990 >	< 1991 >	< 1992 >	< TOTAL >
EQUIPMENT :							
Bulldozer/Ripper	hr	403.7	822.8	1131.7	1568.2	1147.7	5074.1
Swamp Bulldozer	hr	0.0	0.0	0.0	110.2	217.3	327.5
Motor Grader	hr	1011.9	1992.6	2358.7	2588.3	2344.8	10296.3
Hand-guide Vib. Roller	hr	1014.8	2082.6	1775.5	3064.0	3090.3	11027.2
Tire Roller	hr	885.7	1812.1	2202.7	1826.5	1567.4	8294.4
Vibratory Roller (D&F)	hr	537.7	1046.7	1363.7	1691.5	1570.3	6209.9
Hydraulic Excavator; Wheel	hr	0.0	0.0	0.0	1710.0	2205.0	3915.0
Wheel Loader	hr	1266.0	2655.0	3433.2	4020.2	3582.4	14956.8
Water Tank Truck	hr	328.8	688.0	908.9	1067.1	1024.7	4017.5
Dump Truck	hr	10045.9	20813.3	26920.1	33124.2	32388.6	123292.1
Flat Bed Truck with Crane	hr	2238.6	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	874.1	792.8	760.4	3434.8
Concrete Mixer	hr	22.1	30.3	52.2	47.7	55.4	207.7
Water Pump	hr	18.2	25.8	44.5	40.0	47.1	175.6
Concrete Vibrator	hr	10.6	16.9	29.2	24.7	30.7	112.1
Asphalt Sprayer	hr	616.6	1266.6	1716.5	1388.8	1099.9	6088.4
LABOUR :							
Handur	man day	1824.4	4143.7	3616.3	5425.7	4827.7	19837.8
Skilled Labourer	man day	4917.5	11817.4	5015.0	12587.7	7194.9	41532.5
Carpenter	man day	2185.2	5578.0	1586.4	5557.8	2538.2	17445.6
Mason	man day	19.2	22.4	38.4	38.4	41.2	159.6
Labourer	man day	15152.0	34558.9	37176.2	47204.0	47369.6	181460.7
Driver	man day	2715.3	5924.7	6960.8	8446.4	8206.9	32262.1
Operator	man day	1071.7	2229.3	2655.2	3301.0	3004.9	12262.1
MATERIAL :							
Bitumen	l	156461.6	287141.5	409034.0	322913.2	278158.2	1453708.5
Asphalt Oil	l	20350.0	47933.3	61183.3	52766.6	38966.6	221199.8
Kerosene	l	30283.1	62466.5	84361.5	69528.2	55683.2	302322.5
Sand	m ³	449.4	924.7	1245.4	1220.9	1133.9	4974.3
Cement	bag	162.8	256.0	442.0	377.0	465.6	1703.4
River Stone	m ³	19.2	22.4	38.4	38.4	41.2	159.6
Steel Moulds	set	62.0	98.0	170.0	144.0	179.0	653.0
Tiebar	m ³	198.2	506.3	143.1	504.2	229.5	1581.3
Paint	l	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	20886.8
Tying Wire	kg	17.9	28.5	49.4	41.8	52.0	189.6
Equivalent Royalty	m ³	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)

ITEM	UNIT	< 1988 >	< 1989 >	< 1990 >	< 1991 >	< 1992 >	< TOTAL >
EQUIPMENT :		120,362	244,887	311,451	382,748	345,093	1,404,541
Bulldozer/Ripper	16629	6,713	13,682	18,819	26,077	19,085	84,376
Swamp Bulldozer	12205	0	0	0	1,344	2,652	3,996
Motor Grader	14125	10,492	20,440	26,449	30,377	26,516	114,274
Hand-guide Vib. Roller	1597	1,057	1,868	607	1,707	862	6,121
Tire Roller	11628	7,169	14,728	19,959	16,148	12,789	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	0	22,963	29,610	52,573
Wheel Loader	17270	19,958	41,710	54,773	64,351	55,840	236,632
Water Tank Truck	4275	1,405	2,941	3,885	4,561	4,380	17,172
Dump Truck	5754	49,940	101,127	129,821	157,503	144,988	583,379
Flat Bed Truck with Crane	5360	2,479	6,049	1,753	5,844	2,565	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
Water Pump	504	9	12	22	20	23	86
Concrete Vibrator	339	3	5	9	8	10	35
Asphalt Sprayer	2052	1,265	2,599	3,522	2,849	2,256	12,491
LABOUR :		42,104	97,487	70,539	115,524	80,642	406,296
Mandur	2750	3,409	7,765	5,551	9,509	6,805	33,039
Skilled Labourer	2200	9,223	22,152	5,803	20,676	7,801	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	11,095	13,079	15,833	13,889	59,106
Operator	3850	3,638	7,572	9,258	11,763	10,512	42,743
MATERIAL :		93,958	195,523	213,675	210,259	154,251	867,666
Bitumen	300	45,986	83,712	118,943	91,487	76,562	416,690
Asphalt Oil	700	14,245	33,553	42,828	36,936	27,276	154,838
Kerosene	250	7,482	15,391	20,741	16,883	13,283	73,780
Sand	6000	2,344	4,647	6,076	5,329	4,252	22,648
Cement	4500	729	1,140	1,977	1,685	2,083	7,614
River Stone	7000	134	156	268	268	288	1,114
Steel Moulds	8000	496	784	1,360	1,152	1,432	5,224
Timber	80000	13,944	36,032	5,808	33,088	10,760	99,632
Paint	3000	3,469	9,817	1,560	8,634	2,919	26,399
Reinforcing Steel	750	1,483	2,344	4,067	3,445	4,282	15,621
Tying Wire	1000	17	28	49	41	51	186
Equivalent Royalty	250	3,629	7,919	9,998	11,311	11,063	43,920

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

PROV : KALIMANTAN SELATAN KAB : BANJAR

(1000 Rp)

I T E M	UNIT	< 1988 >	< 1989 >	< 1990 >	< 1991 >	< 1992 >	< TOTAL >
EQUIPMENT :		34,003	76,245	85,978	100,807	118,548	415,581
Bulldozer/Ripper	16629	0	0	0	0	0	0
Sharp Bulldozer	12205	0	0	0	0	0	0
Motor Grader	14125	3,801	7,705	6,867	6,182	6,603	31,158
Hand-guide Vib. Roller	1597	562	1,437	2,227	3,186	4,072	11,484
Tire Roller	11628	3,129	6,343	5,653	5,089	5,436	25,650
Vibratory Roller (D&I)	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
Water Tank Truck	4275	0	0	0	0	0	0
Dump Truck	5754	7,863	10,632	25,076	33,093	41,375	126,039
Flat Bed Truck with Crane	5360	9,519	22,413	24,881	29,543	35,069	119,425
Flat Bed Truck	3660	4,685	10,033	10,673	11,769	13,789	50,949
Portable Crusher/Screening	45610	2,540	5,541	6,084	6,868	8,177	29,210
Concrete Mixer	8896	0	0	0	0	0	0
Water 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
LABOUR :		17,896	40,655	49,346	61,016	72,587	241,500
Handur	2750	1,607	3,629	4,393	5,410	6,471	21,510
Skilled Labourer	2200	1,594	3,846	5,229	7,016	8,027	25,712
Carpenter	2750	723	1,694	2,135	2,745	2,877	10,174
Mason	2750	0	0	0	0	0	0
Labourer	1750	11,229	25,279	30,541	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
MATERIAL :		4,207	10,092	13,603	18,125	20,958	66,985
Bitumen	300	951	2,430	3,766	5,386	6,885	19,418
Asphalt Oil	700	0	0	0	0	0	0
Kerosene	250	88	225	348	498	637	1,796
Sand	6000	352	900	1,395	1,995	2,550	7,192
Cement	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	3000	510	1,196	1,508	1,938	2,031	7,183
Reinforcing Steel	750	2	9	9	9	9	38
Tying Wire	1000	0	0	0	0	0	0
Equivalent Royalty	250	390	849	926	1,040	1,235	4,440

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

PROV : KALIMANTAN SELATAN KAB : BANJAR

(1000 Rp)

I T E M	UNIT	< 1988 >	< 1989 >	< 1990 >	< 1991 >	< 1992 >	< TOTAL >
EQUIPMENT :							
		154,365	321,132	397,429	483,555	463,641	1,820,122
Bulldozer/Ripper	16629	6,713	13,682	18,819	26,077	19,085	84,376
Swamp Bulldozer	12205	0	0	0	1,344	2,652	3,996
Motor Grader	14125	14,293	28,145	33,316	36,559	33,119	145,432
Hand-guide Vib. Roller	1597	1,619	3,325	2,834	4,893	4,934	17,605
Tire Roller	11628	10,298	21,071	25,612	21,237	18,225	96,443
Vibratory Roller (D&T)	7023	3,776	7,350	9,577	11,879	11,028	43,610
Hydraulic Excavator; Wheel	13427	0	0	0	22,963	29,610	52,573
Wheel Loader	17270	21,862	45,851	59,290	69,428	61,867	258,298
Water Tank Truck	4275	1,405	2,941	3,885	4,561	4,380	17,172
Dump Truck	5754	57,803	119,759	154,897	190,596	186,363	709,418
Flat Bed Truck with Crane	5360	11,998	28,462	26,634	35,387	35,634	138,115
Flat Bed Truck	3660	7,800	17,047	18,692	19,183	19,295	82,017
Portable Crusher/Screening	45610	15,329	30,621	39,867	36,158	34,680	156,655
Concrete Mixer	8696	192	262	453	413	480	1,800
Water Pump	504	9	12	22	20	23	86
Concrete Vibrator	339	3	5	9	8	10	35
Asphalt Sprayer	2052	1,265	2,599	3,522	2,849	2,256	12,491
LABOUR :							
		60,000	138,142	119,885	176,540	153,229	647,796
Handur	2750	5,016	11,394	9,944	14,919	13,276	54,549
Skilled Labourer	2200	10,817	25,998	11,032	27,692	15,828	91,367
Carpenter	2750	6,009	15,338	4,361	15,283	6,980	47,971
Mason	2750	52	61	105	105	113	436
Labourer	1750	26,515	60,477	65,058	82,606	82,896	317,552
Driver	2750	7,466	16,292	19,163	23,227	22,568	88,716
Operator	3850	4,125	8,582	10,222	12,708	11,568	47,205
MATERIAL :							
		98,165	205,615	227,278	228,384	175,209	934,651
Bitumen	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
Cement	4500	731	1,151	1,988	1,696	2,094	7,660
River Stone	7000	134	156	268	268	288	1,114
Steel Moulds	8000	496	784	1,360	1,152	1,432	5,224
Timber	80000	15,856	40,504	11,448	40,336	18,360	126,504
Paint	3000	3,979	11,013	3,068	10,572	4,950	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	186
Equivalent Royalty	250	4,019	8,768	10,924	12,351	12,298	48,360

Appendix A-6

QUANTITIES OF BRIDGE ON PROPOSED ROAD LINKS

PROV : KALIMANTAN SELATAN KAB : BANJAR

LINK NO	BRIDGE NAME	Km	From	<< TYPE >>		DESIGN LOAD	SPAN CLASS	LENGTH (m)	SPAN NO	SPAN LENGTH (m)	WIDTH (m)	AREA	AREA	PIER (no)	ABUT (no)	ROAD CLASS
				(EXIST)	(NEW)							(EXIST)	(NEW)			
67	PENURUS 2	3	JAGG	--	TM	BMSO	(C)	6.00	1	6.00	4.00	0.00	24.00	0	2	111A
	S.PEMURUS 3	3	JAGG	--	TM	BMSO	(C)	8.00	1	8.00	4.00	0.00	32.00	0	2	
	S.PEMURUS 4	4	JAGG	--	TM	BMSO	(B)	9.00	2	4.50	4.00	0.00	36.00	1	2	
	PENURUS	4	JAGG	--	TM	BMSO	(C)	20.00	3	6.67	4.00	0.00	80.00	2	2	
	SIMPANG MARGA	6	JAGG	--	TM	BMSO	(C)	8.00	1	8.00	4.00	0.00	32.00	0	2	
	S.MARGA I	6	JAGG	--	TM	BMSO	(C)	20.00	3	6.67	4.00	0.00	80.00	2	2	
69	H.I	1	X	KK	TM	10T	(C)	7.00	1	7.00	4.00	14.00	28.00	0	2	111B-1
70	KAMPUNG BARU	1	SPAG	--	TM	10T	(B)	5.00	1	5.00	4.00	0.00	20.00	0	2	111B-1
73	S.KARET	3	X	KK	TM	10T	(A)	3.00	1	3.00	4.00	6.00	12.00	0	2	111B-1
	S.KARET 2	3	LTGA	KK	TM	10T	(B)	19.00	5	3.80	4.00	38.00	76.00	4	2	
	S.KARET 3	5	LTGA	KK	TM	10T	(B)	8.00	2	4.00	4.00	16.00	32.00	1	2	
	S.BIJIH 1	6	LTGA	KK				9.00	3	3.00	3.00	27.00		2	2	
	S.RUMBIA	6	LTGA	KK				4.00	1	4.00	3.00	12.00		0	2	
	S.DURIAN	7	LTGA	KK				3.00	1	3.00	3.00	9.00		0	2	
80	SEI.PINANG	1	X	KK				3.00	1	3.00	3.20	9.60		0	2	111B-1
	RAPI	1	SPAG	KK				12.00	2	6.00	3.50	42.00		1	2	
	H.I	2	SPAG	KK				10.00	1	10.00	3.00	30.00		0	2	
	UMUKAN	5	SPAG	--	TM	10T	(B)	10.00	2	5.00	4.00	0.00	40.00	1	2	
	TALUKAN	6	SPAG	--	TM	10T	(B)	4.00	1	4.00	4.00	0.00	16.00	0	2	
	ANINGAN	6	SPAG	--	TM	10T	(C)	13.00	2	6.50	4.00	0.00	52.00	1	2	
	LANCAR	8	SPAG	--	TM	10T	(B)	9.00	2	4.50	4.00	0.00	36.00	1	2	
	INDUKANG	10	SPAG	--	TM	10T	(B)	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	111B-1
85	SEI.	1	X	KK				20.00	3	6.67	3.00	60.00		2	2	111B-1

PROV : KALIMANTAN SELATAN KAB : BANJAR

LINK NO	BRIDGE NAME	Ka	From	« TYPE »		DESIGN LOAD	SPAN CLASS	LENGTH (m)	SPAN NO (no)	SPAN LENGTH (m)	WIDTH (m)	AREA	AREA	PIER (no)	ABUT (no)	ROAD CLASS
				(EXIST)	(NEW)							(EXIST) (m ²)	(NEW) (m ²)			
44	PAPAN	2	LOBA	KK	TH	BH50	(A)	4.00	2	2.00	4.00	8.00	16.00	1	2	IIIA
	KELAPA	2	LOBA	KK				11.00	3	3.67	3.00	33.00		2	2	
	KELAPA 2	2	LOBA	KK	TH	BH50	(A)	5.00	2	2.50	4.00	12.50	20.00	1	2	
	KELAPA 3	2	LOBA	KK	TH	BH50	(A)	4.00	2	2.00	4.00	8.00	16.00	1	2	
	KELAPA 4	2	LOBA	KK	TH	BH50	(A)	10.00	4	2.50	4.00	25.00	40.00	3	2	
	KELAPA 5	2	LOBA	KK	TH	BH50	(A)	4.00	2	2.00	4.00	8.00	16.00	1	2	
	SAKA BUNTU 1	3	LOBA	KK	TH	BH50	(A)	6.00	2	3.00	4.00	15.00	24.00	1	2	
	SAKACIHA	3	LOBA	KK	TH	BH50	(A)	6.00	2	3.00	4.00	12.00	24.00	1	2	
	LUAS.1	3	LOBA	KK				17.00	6	2.83	3.00	51.00		5	2	
	LUAS.2	3	LOBA	KK	TH	BH50	(A)	15.00	5	3.00	4.00	37.50	60.00	4	2	
	LUAS.3	3	LOBA	KK	TH	BH50	(A)	15.00	5	3.00	4.00	37.50	60.00	4	2	
	LUAS.4	3	LOBA	KK	TH	BH50	(A)	6.00	2	3.00	4.00	15.00	24.00	1	2	
	SAKA PAKU 1	3	LOBA	KK				6.00	3	2.00	3.00	18.00		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	LOBA	KK				6.00	3	2.00	3.00	18.00		2	2	
	SAKA PAKU 4	4	LOBA	KK	TH	BH50	(A)	5.00	2	2.50	4.00	10.00	20.00	1	2	
	LULUT 1	4	LOBA	KK	TH	BH50	(A)	6.00	2	3.00	4.00	15.00	24.00	1	2	
	LULUT 2	4	LOBA	KK	TH	BH50	(A)	4.00	2	2.00	4.00	10.00	16.00	1	2	
	LULUT 3	4	LOBA	KK	TH	BH50	(A)	6.00	2	3.00	4.00	12.00	24.00	1	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-1
51	PEMAKUAN 1	1	X	KK				4.00	1	4.00	3.50	14.00		0	2	IIIA
	PEMAKUAN 2	1	SETA	KK				15.00	4	3.75	3.00	45.00		3	2	
	PEMAKUAN 3	1	SETA	KK				15.00	4	3.75	3.00	45.00		3	2	
	SEI.PIANG	2	SETA	KK	TH	BH50	(B)	18.00	5	3.60	4.00	36.00	72.00	4	2	
	UANG	3	SETA	KK				8.00	2	4.00	3.00	24.00		1	2	
	JINGAH RANPIT	4	SETA	KK				12.00	3	4.00	3.00	36.00		2	2	
	TAPANG	4	SETA	KK	TH	BH50	(B)	18.00	5	3.60	4.00	36.00	72.00	4	2	
	SAKA KEBUN	5	SETA	KK	TH	BH50	(B)	12.00	3	4.00	4.00	24.00	48.00	2	2	
	DURIAN	5	SETA	KK	TH	BH50	(B)	10.00	3	3.33	4.00	20.00	40.00	2	2	
	ASAM	5	SETA	KK	TH	BH50	(B)	19.00	5	3.80	4.00	43.70	76.00	4	2	
	SEI.ASAM	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	1	X	KK	TH	BH50	(A)	6.00	2	3.00	4.00	12.00	24.00	1	2	IIIA
	HUARA T.AWANG	2	PABA	KK	TH	BH50	(A)	8.00	3	2.67	4.00	16.00	32.00	2	2	
	HUARA SANGGAP	3	PABA	KK	TH	BH50	(B)	15.00	3	5.00	4.00	30.00	60.00	2	2	
	TAYAH PANGGANG	4	PABA	KK				15.00	3	5.00	3.00	45.00		2	2	
	HUARA TBANGKAL	4	PABA	KK				20.00	4	5.00	3.00	60.00		3	2	
	ALUH 2 KECIL	5	PABA	KK	TH	BH50	(A)	6.00	2	3.00	4.00	12.00	24.00	1	2	
	PINTU AIR	6	PABA	KK				20.00	4	5.00	3.00	60.00		3	2	
63	SEI.T SIRANG	0	X	KK				5.00	1	5.00	3.00	15.00		0	2	IIIB-2
	SEI.HANDIL 1	2	TSLT	KK	TH	10T	(A)	3.00	1	3.00	4.00	6.00	12.00	0	2	
67	JANBU BURUNG	1	JAUG	--	TH	BH50	(C)	14.00	2	7.00	4.00	0.00	56.00	1	2	IIIA
	JANBU BURUNG1	1	JAUG	--	TH	BH50	(B)	10.00	2	5.00	4.00	0.00	40.00	1	2	
	PEMURUS 1	2	JAUG	--	TH	BH50	(C)	8.00	1	8.00	4.00	0.00	32.00	0	2	

PROV

: KALIMANTAN SELATAN

KAB : BANJAR

LINK NO	BRIDGE NAME	Km	From	<< TYPE >>		DESIGN LOAD	SPAN CLASS	LENGTH (m)	SPAN NO	SPAN LENGTH (m)	WIDTH (m)	AREA	AREA	PIER (no)	ABUT (no)	ROAD CLASS
				(EXIST)	(NEW)							(EXIST)	(NEW)			
29	LOK CANTUNG	3	X	KK	TM	10T	(B)	8.00	2	4.00	4.00	32.00	32.00	1	2	111B-2
	SEI ANANG	4	HATA	KK				10.00	3	3.33	4.00	40.00		2	2	
	SEI BUMI RATA	4	HATA	KK				11.00	3	3.67	4.00	44.00		2	2	
34	SEI MADOREJO	2	X	KK				6.00	2	3.00	4.00	24.00		1	2	111B-2
	SEI MESJID	5	BAMA	KK				3.00	1	3.00	4.00	12.00		0	2	
	SEI SAHBUNG	6	BAMA	KK				2.00	1	2.00	4.00	8.00		0	2	
	SEI KARET	7	BAMA	KK				2.00	1	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	
	SEI BALITAN II	8	BAMA	KK				16.00	3	5.33	4.00	64.00		2	2	
	SEI PEMBURUNGAN	9	BAMA	KK				9.00	3	3.00	4.00	36.00		2	2	
35	LIANG TAUNAN	0	X	KK				4.00	1	4.00	4.00	16.00		0	2	111A
	PALIAN	2	BAMA	KK				10.50	1	10.50	4.00	42.00		0	2	
	LIMPASU	3	BAMA	KK				4.00	1	4.00	4.00	16.00		0	2	
	BABAN	4	BAMA	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	4BAN	--	TM	BMSO	(C)	8.00	1	8.00	4.00	0.00	32.00	0	2	
	SANAH	6	BAMA	KK				4.00	1	4.00	4.00	16.00		0	2	
	BINUUNG	6	BAMA	KK				31.00	5	6.20	4.00	124.00		4	2	
	NIUR	6	BAMA	KK				4.00	1	4.00	4.00	16.00		0	2	
	36	BIRIK	2	X	KK				5.00	1	5.00	4.00	20.00		0	
LURUS		3	BINU	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. I		4	BINU	KK				4.00	1	4.00	4.00	16.00		0	2	
BATU		4	BINU	KK				4.00	1	4.00	4.00	16.00		0	2	
N. I		6	BINU	KK				5.00	1	5.00	4.00	20.00		0	2	
KALID		7	BINU	KK				6.00	1	6.00	4.00	24.00		0	2	
BAKABAN		8	BINU	KK				6.00	1	6.00	4.00	24.00		0	2	
ATINIH		8	BINU	KK				5.00	1	5.00	4.00	20.00		0	2	
RIAMAN		10	BINU	KK				8.00	2	4.00	4.00	32.00		1	2	
MAHIRI		10	BINU	KK				4.00	1	4.00	4.00	16.00		0	2	
JUTUH		10	BINU	KK				8.00	2	4.00	4.00	32.00		1	2	
INAAN	11	BINU	KK				8.00	2	4.00	4.00	32.00		1	2		
40	JARING I	1	X	KK				2.00	1	2.00	3.00	6.00		0	2	111B-1
	JARING II	1	PING	KK				2.00	1	2.00	3.00	6.00		0	2	
	JARING III	1	PING	KK				2.00	1	2.00	3.00	6.00		0	2	
	KUTA	1	PING	KK				2.00	1	2.00	3.00	6.00		0	2	
	PINGARAN	1	PING	KK				12.00	3	4.00	3.00	36.00		2	2	
	PINGARAN ULU	2	PING	KK				5.00	2	2.50	3.00	15.00		1	2	
	MACI-MALI	7	PING	KK				8.00	3	2.67	4.00	32.00		2	2	
44	BAKUNG 1	1	X	KK				25.00	9	2.78	4.00	100.00		8	2	111A
	BAKUNG 2	1	LOBA	KK	TM	BMSO	(A)	10.00	4	2.50	4.00	25.00	40.00	3	2	
	BAKUNG 3	1	LOBA	KK	TM	BMSO	(A)	3.00	1	3.00	4.00	6.00	12.00	0	2	
	BAKUNG 4	1	LOBA	KK	TM	BMSO	(A)	5.00	2	2.50	4.00	10.00	20.00	1	2	
	ALANROH 1	1	LOBA	KK	TM	BMSO	(A)	5.00	2	2.50	4.00	10.00	20.00	1	2	
	ALANROH 2	1	LOBA	KK	TM	BMSO	(B)	13.00	4	3.25	4.00	26.00	52.00	3	2	
	ALANROH 3	1	LOBA	KK	TM	BMSO	(A)	6.00	2	3.00	4.00	12.00	24.00	1	2	

PROV : KALIMANTAN SELATAN KAB : BANJAR

LINK NO	BRIDGE NAME	Km	From	<< TYPE >>		DESIGN LOAD CLASS	SPAN CLASS	LENGTH (m)	SPAN NO	SPAN LENGTH (m)	WIDTH (m)	AREA (EXIST) (m2)	AREA (NEW) (m2)	PIER (no)	ABUT (no)	ROAD CLASS
				(EXIST)	(NEW)											
6	SEI PARUPIK	3	GPAP	KK				2.00	1	2.00	4.00	8.00		0	2	IIIB-2
	SEI GUNTUNG	3	GPAP	KK				6.00	2	3.00	3.00	18.00		1	2	
	SEI LAWAHAN	4	GPAP	KK				4.00	1	4.00	4.00	16.00		0	2	
	SEI KALADAN	5	GPAP	KK				8.00	2	4.00	4.00	32.00		1	2	
	SEI BAYAN	7	GPAP	KK				2.00	1	2.00	4.00	8.00		0	2	
7	SEI BAYAN	1	X	KK				6.00	2	3.00	3.00	18.00		1	2	IIIC
	S. TAMBAK BABI1	2	HLJA	KK				10.00	3	3.33	3.00	30.00		2	2	
	S. TAMBAK BABI2	3	HLJA	KK	TM	10T	(B)	12.00	3	4.00	4.00	30.00	48.00	2	2	
	S. TAMBAK BABI2	3	HLJA	KK	TM	10T	(B)	12.00	3	4.00	4.00	30.00	48.00	2	2	
	SEI KUPANG	4	HLJA	KK				4.00	1	4.00	4.00	16.00		0	2	
	HDL JAWA BAWAH	5	HLJA	KK				12.00	3	4.00	3.00	36.00		2	2	
	SEI BABIRIK	6	HLJA	KK				12.00	3	4.00	3.00	36.00		2	2	
11	UJUNG MURUNG 1	1	X	KK				6.00	2	3.00	4.00	24.00		1	2	IIIB-1
	UJUNG MURUNG 2	2	STIC	LL				4.00	1	4.00	4.00	16.00		0	2	
	TIUNG	5	STIC	KK				4.00	1	4.00	4.00	16.00		0	2	
19	SEI PUJAT	1	X	KK				6.00	1	6.00	4.00	24.00		0	2	IIIC
	TUGU	1	KAIN	KK				3.00	1	3.00	4.00	12.00		0	2	
	LANDAS	2	KAIN	KK				4.00	1	4.00	4.00	16.00		0	2	
	PARING	2	KAIN	KK				4.00	1	4.00	4.00	16.00		0	2	
20	LANDAS	4	X	KK				12.00	3	4.00	4.00	48.00		2	2	IIIB-2
21	ASAM	1	X	KK				7.00	2	3.50	4.00	28.00		1	2	IIIB-1
24	KERAMAT	0	X	KK				5.00	1	5.00	4.00	20.00		0	2	IIIA
	MATHASIR	1	ASTA	KK				5.00	1	5.00	4.00	20.00		0	2	
	TUAN 1	2	ASTA	KK				11.00	3	3.67	4.00	44.00		2	2	
	TUAN 2	2	ASTA	KK				5.00	1	5.00	4.00	20.00		0	2	
	H. I	4	ASTA	KK				11.00	3	3.67	4.00	44.00		2	2	
	KLAMPAYAN 1	5	ASTA	KK				25.00	4	6.25	4.00	100.00		3	2	
	KLAMPAYAN 2	6	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	48.00		2	2	
26	SEI ALAT 1	1	X	KK				2.00	1	2.00	4.00	8.00		0	2	IIIB-2
	SEI ALAT 2	1	ASTA	KK				8.00	3	2.67	4.00	32.00		2	2	
	SEI ALAT 3	2	ASTA	KK				4.00	1	4.00	4.00	16.00		0	2	
	SEI ALAT 4	2	ASTA	KK				8.00	2	4.00	4.00	32.00		1	2	
	RUMBIA	3	ASTA	KK				2.00	1	2.00	4.00	8.00		0	2	
	KELIUKAN	3	ASTA	KK				9.00	3	3.00	4.00	36.00		2	2	
27	BESAK	1	X	KK				12.00	3	4.00	3.50	42.00		2	2	IIIA
	LAHBAU	2	KELI	KK				4.00	1	4.00	4.00	16.00		0	2	
	PMTG HANBAWANG	4	KELI	KK				11.00	3	3.67	4.00	44.00		2	2	
	BADAN-DAN	5	KELI	KK				11.00	3	3.67	4.00	44.00		2	2	
	PAHATANG DANAU	6	KELI	KK				12.00	3	4.00	4.00	48.00		2	2	
28	PASTIRAHAN	2	X	KK				4.00	1	4.00	4.00	16.00		0	2	IIIB-2
	JABUK	3	PADA	KK				4.00	1	4.00	4.00	16.00		0	2	

PROV : KALIMANTAN SELATAN KAB : BANJAR

LINK NO	BRIDGE NAME	Km	From	« TYPE »		DESIGN LOAD	SPAN CLASS	LENGTH (a)	SPAN NO (no)	SPAN LENGTH (m)	WIDTH (a)	AREA	AREA	PIER (no)	ABUT (no)	ROAD CLASS
				(EXIST)	(NEW)							(EXIST)	(NEW)			
1	PENURUS1	0	KRHR	KK				8.00	1	8.00	6.00	48.00		0	2	111A
	PENURUS2	1	KRHR	KK				9.00	3	3.00	3.00	27.00		2	2	
	TATAH 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	48.00		4	2	
	N.1	2	KRHR	--	TH	BN50	(B)	4.00	1	4.00	4.00	0.00	16.00	0	2	
	TATAH BALAYUNG	3	KRHR	KK				4.00	1	4.00	4.00	16.00		0	2	
	TATAH PALATAR	3	KRHR	KK	TH	BN50	(C)	8.00	1	8.00	4.00	12.00	32.00	0	2	
	T. PALATAR BARU	4	KRHR	KK	TH	BN50	(B)	4.00	1	4.00	4.00	5.60	16.00	0	2	
	TATAHPALATAR 1	4	KRHR	KK				4.00	1	4.00	4.00	16.00		0	2	
	TATAHBALAYUNG1	4	KRHR	KK				4.00	1	4.00	4.00	16.00		0	2	
PEHANGKIH LAUT	5	KRHR	KK				9.00	3	3.00	4.00	36.00		2	2		
3	SEI GABUT	1	X	KK				9.00	3	3.00	4.00	36.00		2	2	111B-1
	SEI KAPUK	1	GABU	KK				4.00	1	4.00	4.00	16.00		0	2	
	KAYU BANANG	3	GABU	KK				4.00	1	4.00	4.00	16.00		0	2	
	ULIN PIPIT	5	GABU	KK				4.00	1	4.00	4.00	16.00		0	2	
	TAMPAK SIRANG	6	GABU	KK				9.00	3	3.00	4.00	36.00		2	2	
	TAMBAK SIRANG2	7	GABU	KK				2.00	1	2.00	3.00	6.00		0	2	
	TATAH PANDAN	8	GABU	KK				2.00	1	2.00	3.00	6.00		0	2	
	SEI JERUJU	8	GABU	KK				6.00	1	6.00	4.00	24.00		0	2	
	TATAH PUMPUNG	9	GABU	KK				3.00	1	3.00	3.00	9.00		0	2	
	PASAR ARBA	10	GABU	KK				9.00	2	4.50	4.00	36.00		1	2	
4	PASAR ARBA	0	X	KK				8.00	2	4.00	4.00	32.00		1	2	111A
	TALUK	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		1	2	
	TATAH BANGKAL	6	PAAR	KK				11.00	2	5.50	4.00	44.00		1	2	
	N.1 1	7	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	8	PAAR	KK				5.00	1	5.00	4.00	20.00		0	2	
	N.1 3	8	PAAR	KK				2.00	1	2.00	4.00	8.00		0	2	
	N.1 4	9	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	10	PAAR	KK				30.00	4	7.50	4.00	120.00		3	2	
	N.1 5	10	PAAR	KK				5.00	1	5.00	4.00	20.00		0	2	
PIPIH	20	PAAR	KK				5.00	1	5.00	4.00	20.00		0	2		
N.1 6	10	PAAR	KK				4.50	1	4.50	4.00	18.00		0	2		
N.1 7	10	PAAR	KK				7.00	2	3.50	4.00	28.00		1	2		
N.1 8	11	PAAR	KK				6.00	2	3.00	4.00	24.00		1	2		
N.1 9	11	PAAR	KK				4.00	1	4.00	4.00	16.00		0	2		
5	HALINTANG	1	X	KK				8.00	2	4.00	4.00	32.00		1	2	111B-1
	N.1 1	1	MLTG	KK				4.00	1	4.00	4.00	16.00		0	2	
	N.1 2	1	MLTG	KK				4.00	1	4.00	4.00	16.00		0	2	
	BINTANG UR	2	MLTG	KK				4.00	1	4.00	4.00	16.00		0	2	
	HANDIL DUA	3	MLTG	KK				4.00	1	4.00	4.00	16.00		0	2	
	PUDAK	3	MLTG	KK				4.00	1	4.00	4.00	16.00		0	2	
6	PASAK KEMIS	1	X	KK				4.00	1	4.00	4.00	16.00		0	2	111B-2
	SEI DELIMA	2	BPAP	KK				2.00	1	2.00	4.00	8.00		0	2	

PROV : KALIMANTAN SELATAN KAB : BANJAR

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

(Rp)

I T E M	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		>>>>> TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber; Span 3m; 10T)	m2	0.00	36,412	4,083	0	0	0
Superstructure (Timber; Span 5m; 10T)	m2	0.00	40,332	4,508	0	0	0
Superstructure (Timber; Span 8m; 10T)	m2	0.00	53,420	5,921	0	0	0
Superstructure (Timber; Span 3m; BH50)	m2	0.00	45,149	5,048	0	0	0
Superstructure (Timber; Span 5m; BH50)	m2	0.00	49,290	5,469	0	0	0
Superstructure (Timber; Span 8m; BH50)	m2	0.00	62,512	6,923	0	0	0
Superstructure (Concrete; Span 3m; BH50)	m2	0.00	43,442	85,218	0	0	0
Superstructure (Concrete; Span 5m; BH50)	m2	0.00	44,766	95,130	0	0	0
Superstructure (Concrete; Span 8m; BH50)	m2	0.00	46,228	103,557	0	0	0
Superstructure (Concrete; Span 10m; BH50)	m2	0.00	50,653	117,519	0	0	0
Superstructure (Concrete; Span 15m; BH50)	m2	0.00	54,835	138,305	0	0	0
Substructure (Pier; for Timber; 10T)	NO	0.00	317,235	37,989	0	0	0
Substructure (Abut; for Timber; 10T)	NO	0.00	913,669	171,942	0	0	0
Substructure (Pier; for Timber; BH50)	NO	0.00	466,567	56,232	0	0	0
Substructure (Abut; for Timber; BH50)	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; BH50)	NO	0.00	3,478,338	982,678	0	0	0
Demolition of Bridge (Timber->Timber)	m2	0.00	10,350	1,551	0	0	0
Demolition of Bridge (Timber->Concrete)	m2	0.00	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)	m2	0.00	6,882	1,232	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.00	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	201.00	7,507	2,460	1,508,907	494,460	2,003,367
Maintenance of Concrete Bridge (Exist)	m2	0.00	4,417	2,375	0	0	0

(Without Overhead)			TOTAL COST (Timber Bridge)		0	0	0
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		0	0	0

(Overhead : 15%)			TOTAL COST (Timber Bridge)		0	0	0
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		0	0	0

PROV : KALIMANTAN SELATAN KAD : BANJAR

LINK NO : 4 (IIIA) LENGTH : 11 Km

(Rp)

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		>>>>> TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber; Span 3a; 10T)	m2	0.00	36,412	4,083	0	0	0
Superstructure (Timber; Span 5a; 10T)	m2	0.00	40,332	4,508	0	0	0
Superstructure (Timber; Span 8a; 10T)	m2	0.00	53,420	5,921	0	0	0
Superstructure (Timber; Span 3a; BMSO)	m2	0.00	45,149	5,048	0	0	0
Superstructure (Timber; Span 5a; BMSO)	m2	0.00	49,290	5,469	0	0	0
Superstructure (Timber; Span 8a; BMSO)	m2	0.00	62,512	6,923	0	0	0
Superstructure (Concrete; Span 3a; BMSO)	m2	0.00	43,442	85,218	0	0	0
Superstructure (Concrete; Span 5a; BMSO)	m2	0.00	44,766	95,130	0	0	0
Superstructure (Concrete; Span 8a; BMSO)	m2	0.00	46,228	103,557	0	0	0
Superstructure (Concrete; Span 10a; BMSO)	m2	0.00	50,653	117,519	0	0	0
Superstructure (Concrete; Span 15a; BMSO)	m2	0.00	54,835	130,305	0	0	0
Substructure (Pier; for Timber; 10T)	NO	0.00	317,235	37,989	0	0	0
Substructure (Abut; for Timber; 10T)	NO	0.00	913,669	171,942	0	0	0
Substructure (Pier; for Timber; BMSO)	NO	0.00	466,567	56,232	0	0	0
Substructure (Abut; for Timber; BMSO)	NO	0.00	1,026,452	192,037	0	0	0
Substructure (Pier; for Concrete; BMSO)	NO	0.00	1,647,543	467,119	0	0	0
Substructure (Abut; for Concrete; BMSO)	NO	0.00	3,478,338	982,678	0	0	0
Demolition of Bridge (Timber->Timber)	m2	0.00	10,350	1,551	0	0	0
Demolition of Bridge (Timber->Concrete)	m2	0.00	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)	m2	0.00	6,882	1,232	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.00	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	602.00	7,507	2,460	4,519,214	1,480,920	6,000,134
Maintenance of Concrete Bridge (Exist)	m2	0.00	4,417	2,375	0	0	0
<hr/>							
(Without Overhead)	TOTAL COST (Timber Bridge)				0	0	0
	(Concrete Bridge)				0	0	0
	TOTAL COST (without Maintenance)				0	0	0
<hr/>							
(Overhead : 15%)	TOTAL COST (Timber Bridge)				0	0	0
	(Concrete Bridge)				0	0	0
	TOTAL COST (without Maintenance)				0	0	0

PROV : KALIMANTAN SELATAN KAB : BANJAR

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

(Rp)

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		>>>>> TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber; Span 3m; IOT)	m2	0.00	36,412	4,083	0	0	0
Superstructure (Timber; Span 5m; IOT)	m2	0.00	40,332	4,508	0	0	0
Superstructure (Timber; Span 8m; IOT)	m2	0.00	53,420	5,921	0	0	0
Superstructure (Timber; Span 3m; BH50)	m2	0.00	45,149	5,048	0	0	0
Superstructure (Timber; Span 5m; BH50)	m2	0.00	49,290	5,469	0	0	0
Superstructure (Timber; Span 8m; BH50)	m2	0.00	62,512	6,923	0	0	0
Superstructure (Concrete; Span 3m; BH50)	m2	0.00	43,442	85,218	0	0	0
Superstructure (Concrete; Span 5m; BH50)	m2	0.00	44,766	93,130	0	0	0
Superstructure (Concrete; Span 8m; BH50)	m2	0.00	46,228	103,557	0	0	0
Superstructure (Concrete; Span 10m; BH50)	m2	0.00	50,653	117,519	0	0	0
Superstructure (Concrete; Span 15m; BH50)	m2	0.00	54,835	138,305	0	0	0
Substructure (Pier; for Timber; IOT)	m0	0.00	317,235	37,989	0	0	0
Substructure (Abut; for Timber; IOT)	m0	0.00	913,669	171,942	0	0	0
Substructure (Pier; for Timber; BH50)	m0	0.00	466,567	56,232	0	0	0
Substructure (Abut; for Timber; BH50)	m0	0.00	1,026,452	192,037	0	0	0
Substructure (Pier; for Concrete; BH50)	m0	0.00	1,647,543	467,119	0	0	0
Substructure (Abut; for Concrete; BH50)	m0	0.00	3,478,338	982,678	0	0	0
Demolition of Bridge (Timber->Timber)	m2	0.00	10,350	1,551	0	0	0
Demolition of Bridge (Timber->Concrete)	m2	0.00	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)	m2	0.00	6,882	1,232	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.00	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	112.00	7,507	2,460	840,704	275,520	1,116,304
Maintenance of Concrete Bridge (Exist)	m2	0.00	4,417	2,375	0	0	0
(Without Overhead)			TOTAL COST (Timber Bridge)		0	0	0
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		0	0	0
(Overhead : 15%)			TOTAL COST (Timber Bridge)		0	0	0
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		0	0	0

PROV : KALIMANTAN SELATAN KAB : BANJAR

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

(Rp)

I T E R	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		>>>>> TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber; Span 3m; 10T)	m2	0.00	36,412	4,083	0	0	0
Superstructure (Timber; Span 5m; 10T)	m2	0.00	40,332	4,508	0	0	0
Superstructure (Timber; Span 8m; 10T)	m2	0.00	53,420	5,921	0	0	0
Superstructure (Timber; Span 3m; BMSO)	m2	0.00	45,149	5,048	0	0	0
Superstructure (Timber; Span 5m; BMSO)	m2	0.00	49,290	5,469	0	0	0
Superstructure (Timber; Span 8m; BMSO)	m2	0.00	62,512	6,923	0	0	0
Superstructure (Concrete; Span 3m; BMSO)	m2	0.00	43,442	85,218	0	0	0
Superstructure (Concrete; Span 5m; BMSO)	m2	0.00	44,766	95,130	0	0	0
Superstructure (Concrete; Span 8m; BMSO)	m2	0.00	46,228	103,557	0	0	0
Superstructure (Concrete; Span 10m; BMSO)	m2	0.00	50,653	117,519	0	0	0
Superstructure (Concrete; Span 15m; BMSO)	m2	0.00	54,835	138,305	0	0	0
Substructure (Pier; for Timber; 10T)	NO	0.00	317,235	37,989	0	0	0
Substructure (Abut; for Timber; 10T)	NO	0.00	913,669	171,942	0	0	0
Substructure (Pier; for Timber; BMSO)	NO	0.00	466,567	56,232	0	0	0
Substructure (Abut; for Timber; BMSO)	NO	0.00	1,026,452	192,037	0	0	0
Substructure (Pier; for Concrete; BMSO)	NO	0.00	1,647,543	467,119	0	0	0
Substructure (Abut; for Concrete; BMSO)	NO	0.00	3,478,338	982,678	0	0	0
Demolition of Bridge (Timber->Timber)	m2	0.00	10,350	1,551	0	0	0
Demolition of Bridge (Timber->Concrete)	m2	0.00	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)	m2	0.00	6,882	1,232	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.00	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	106.00	7,507	2,460	795,742	260,760	1,056,502
Maintenance of Concrete Bridge (Exist)	m2	0.00	4,417	2,375	0	0	0
<hr/>							
(Without Overhead)	TOTAL COST (Timber Bridge)				0	0	0
	(Concrete Bridge)				0	0	0
	TOTAL COST (without Maintenance)				0	0	0
<hr/>							
(Overhead : 15%)	TOTAL COST (Timber Bridge)				0	0	0
	(Concrete Bridge)				0	0	0
	TOTAL COST (without Maintenance)				0	0	0

PROV : KALIMANTAN SELATAN KAB : BANJAR

LINK NO : 7 (IIC) LENGTH : 8 Km

(Rp)

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber; Span 3m; 10T)	m ²	0.00	36,412	4,083	0	0	0
Superstructure (Timber; Span 5m; 10T)	m ²	96.00	40,332	4,508	3,871,872	432,768	4,304,640
Superstructure (Timber; Span 8m; 10T)	m ²	0.00	53,420	5,921	0	0	0
Superstructure (Timber; Span 3m; BHSO)	m ²	0.00	45,149	5,048	0	0	0
Superstructure (Timber; Span 5m; BHSO)	m ²	0.00	49,290	5,469	0	0	0
Superstructure (Timber; Span 8m; BHSO)	m ²	0.00	62,512	6,923	0	0	0
Superstructure (Concrete; Span 3m; BHSO)	m ²	0.00	43,442	85,218	0	0	0
Superstructure (Concrete; Span 5m; BHSO)	m ²	0.00	44,766	95,130	0	0	0
Superstructure (Concrete; Span 8m; BHSO)	m ²	0.00	46,228	103,557	0	0	0
Superstructure (Concrete; Span 10m; BHSO)	m ²	0.00	50,653	117,519	0	0	0
Superstructure (Concrete; Span 15m; BHSO)	m ²	0.00	54,835	138,305	0	0	0
Substructure (Pier; for Timber; 10T)	NO	4.00	317,235	37,989	1,268,940	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; BHSO)	NO	0.00	466,567	56,232	0	0	0
Substructure (Abut; for Timber; BHSO)	NO	0.00	1,026,452	192,037	0	0	0
Substructure (Pier; for Concrete; BHSO)	NO	0.00	1,647,543	467,119	0	0	0
Substructure (Abut; for Concrete; BHSO)	NO	0.00	3,478,338	982,678	0	0	0
Demolition of Bridge (Timber->Timber)	m ²	60.00	10,350	1,551	621,000	93,060	714,060
Demolition of Bridge (Timber->Concrete)	m ²	0.00	10,350	1,551	0	0	0
Demolition of Bridge (Concrete)	m ²	0.00	77,433	67,135	0	0	0
Maintenance of Timber Bridge (New)	m ²	96.00	6,882	1,232	660,672	118,272	778,944
Maintenance of Concrete Bridge (New)	m ²	0.00	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m ²	136.00	7,507	2,460	1,020,952	334,560	1,355,512
Maintenance of Concrete Bridge (Exist)	m ²	0.00	4,417	2,375	0	0	0
<hr/>							
(Without Overhead)		TOTAL COST (Timber Bridge)			9,416,488	1,365,552	10,782,040
		(Concrete Bridge)			0	0	0
		TOTAL COST (without Maintenance)			9,416,488	1,365,552	10,782,040
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(Overhead : 15%)		TOTAL COST (Timber Bridge)			10,828,961	1,570,385	12,399,346
		(Concrete Bridge)			0	0	0
		TOTAL COST (without Maintenance)			10,828,961	1,570,385	12,399,346

PROV : KALIMANTAN SELATAN KAB : BANJAR

LINK NO : 11 (111B-1) LENGTH : 0 Km

(Rp)

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		>>>>> TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber;Span 3a;10T)	m2	0.00	36,412	4,083	0	0	0
Superstructure (Timber;Span 5a;10T)	m2	0.00	40,332	4,508	0	0	0
Superstructure (Timber;Span 8a;10T)	m2	0.00	53,420	5,921	0	0	0
Superstructure (Timber;Span 3a;BMSO)	m2	0.00	45,149	5,048	0	0	0
Superstructure (Timber;Span 5a;BMSO)	m2	0.00	49,290	5,469	0	0	0
Superstructure (Timber;Span 8a;BMSO)	m2	0.00	62,512	6,923	0	0	0
Superstructure (Concrete;Span 3a;BMSO)	m2	0.00	43,442	85,218	0	0	0
Superstructure (Concrete;Span 5a;BMSO)	m2	0.00	44,766	95,130	0	0	0
Superstructure (Concrete;Span 8a;BMSO)	m2	0.00	46,228	103,557	0	0	0
Superstructure (Concrete;Span10a;BMSO)	m2	0.00	50,853	117,519	0	0	0
Superstructure (Concrete;Span15a;BMSO)	m2	0.00	54,835	138,305	0	0	0
Substructure (Pier;for Timber;10T)	NO	0.00	317,235	37,989	0	0	0
Substructure (Abut;for Timber;10T)	NO	0.00	913,669	171,942	0	0	0
Substructure (Pier;for Timber;BMSO)	NO	0.00	466,567	56,232	0	0	0
Substructure (Abut;for Timber;BMSO)	NO	0.00	1,026,452	192,037	0	0	0
Substructure (Pier;for Concrete;BMSO)	NO	0.00	1,647,543	467,119	0	0	0
Substructure (Abut;for Concrete;BMSO)	NO	0.00	3,478,338	982,678	0	0	0
Demolition of Bridge (Timber->Timber)	m2	0.00	10,350	1,551	0	0	0
Demolition of Bridge (Timber->Concrete)	m2	0.00	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)	m2	0.00	6,882	1,232	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.00	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	56.00	7,507	2,460	420,392	137,760	558,152
Maintenance of Concrete Bridge (Exist)	m2	0.00	4,417	2,375	0	0	0
<hr/>							
(Without Overhead)	TOTAL COST (Timber Bridge)				0	0	0
	(Concrete Bridge)				0	0	0
	TOTAL COST (without Maintenance)				0	0	0
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(Overhead : 15%)	TOTAL COST (Timber Bridge)				0	0	0
	(Concrete Bridge)				0	0	0
	TOTAL COST (without Maintenance)				0	0	0

PROV : KALIMANTAN SELATAN KAB : BANJAR

LINK NO : 19 (IIIC) LENGTH : 3 Km

(Rp)

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber;Span 3a;10T)	m2	0.00	36,412	4,083	0	0	0
Superstructure (Timber;Span 5a;10T)	m2	0.00	40,332	4,508	0	0	0
Superstructure (Timber;Span 8a;10T)	m2	0.00	53,420	5,921	0	0	0
Superstructure (Timber;Span 3a;BH50)	m2	0.00	45,149	5,048	0	0	0
Superstructure (Timber;Span 5a;BH50)	m2	0.00	49,290	5,469	0	0	0
Superstructure (Timber;Span 8a;BH50)	m2	0.00	62,512	6,923	0	0	0
Superstructure (Concrete;Span 3a;BH50)	m2	0.00	43,442	85,218	0	0	0
Superstructure (Concrete;Span 5a;BH50)	m2	0.00	44,766	95,130	0	0	0
Superstructure (Concrete;Span 8a;BH50)	m2	0.00	46,228	103,557	0	0	0
Superstructure (Concrete;Span10a;BH50)	m2	0.00	50,653	117,519	0	0	0
Superstructure (Concrete;Span15a;BH50)	m2	0.00	54,835	138,305	0	0	0
Substructure (Pier;for Timber;10T)	NO	0.00	317,235	37,989	0	0	0
Substructure (Abut;for Timber;10T)	NO	0.00	913,669	171,942	0	0	0
Substructure (Pier;for Timber;BH50)	NO	0.00	466,567	56,232	0	0	0
Substructure (Abut;for Timber;BH50)	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;BH50)	NO	0.00	3,478,338	982,678	0	0	0
Demolition of Bridge (Timber->Timber)	m2	0.00	10,350	1,551	0	0	0
Demolition of Bridge (Timber->Concrete)	m2	0.00	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)	m2	0.00	6,882	1,232	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.00	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	68.00	7,507	2,460	510,476	167,280	677,756
Maintenance of Concrete Bridge (Exist)	m2	0.00	4,417	2,375	0	0	0
(Without Overhead)			TOTAL COST (Timber Bridge)		0	0	0
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		0	0	0
(Overhead : 15%)			TOTAL COST (Timber Bridge)		0	0	0
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		0	0	0

PROV : KALIMANTAN SELATAN KAD : BANJAR
 LINK NO : 20 (IIB-2) LENGTH : 5 Km

(Rp)

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		>>>>> TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber;Span 3a;101)	m2	0.00	36,412	4,083	0	0	0
Superstructure (Timber;Span 5a;101)	m2	0.00	40,332	4,508	0	0	0
Superstructure (Timber;Span 8a;101)	m2	0.00	53,420	5,921	0	0	0
Superstructure (Timber;Span 3a;BHSO)	m2	0.00	45,149	5,048	0	0	0
Superstructure (Timber;Span 5a;BHSO)	m2	0.00	49,290	5,469	0	0	0
Superstructure (Timber;Span 8a;BHSO)	m2	0.00	62,512	6,923	0	0	0
Superstructure (Concrete;Span 3a;BHSO)	m2	0.00	43,442	85,218	0	0	0
Superstructure (Concrete;Span 5a;BHSO)	m2	0.00	44,766	95,130	0	0	0
Superstructure (Concrete;Span 8a;BHSO)	m2	0.00	46,228	103,557	0	0	0
Superstructure (Concrete;Span 10a;BHSO)	m2	0.00	50,653	117,519	0	0	0
Superstructure (Concrete;Span 15a;BHSO)	m2	0.00	54,835	138,365	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;BHSO)	NO	0.00	466,567	56,232	0	0	0
Substructure (Abut;for Timber;BHSO)	NO	0.00	1,026,452	192,037	0	0	0
Substructure (Pier;for Concrete;BHSO)	NO	0.00	1,647,543	467,119	0	0	0
Substructure (Abut;for Concrete;BHSO)	NO	0.00	3,478,338	982,678	0	0	0
Demolition of Bridge (Timber->Timber)	m2	0.00	10,350	1,551	0	0	0
Demolition of Bridge (Timber->Concrete)	m2	0.00	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)	m2	0.00	6,882	1,232	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.00	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	48.00	7,507	2,460	360,336	118,080	478,416
Maintenance of Concrete Bridge (Exist)	m2	0.00	4,417	2,375	0	0	0
<hr/>							
(Without Overhead)	TOTAL COST (Timber Bridge)				0	0	0
	(Concrete Bridge)				0	0	0
	TOTAL COST (without Maintenance)				0	0	0
<hr/>							
(Overhead : 15%)	TOTAL COST (Timber Bridge)				0	0	0
	(Concrete Bridge)				0	0	0
	TOTAL COST (without Maintenance)				0	0	0

PROV : KALIMANTAN SELATAN KAB : BANJAR

LINE NO : 24 (CIUD) LENGHTH : 70 km

(Rp)

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		>>>>> TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber; Span 3a; 101)	m2	0.00	36,412	4,083	0	0	0
Superstructure (Timber; Span 5a; 101)	m2	0.00	40,332	4,508	0	0	0
Superstructure (Timber; Span 8a; 101)	m2	0.00	53,420	5,921	0	0	0
Superstructure (Timber; Span 3a; BHSO)	m2	0.00	45,149	5,048	0	0	0
Superstructure (Timber; Span 5a; BHSO)	m2	0.00	49,290	5,469	0	0	0
Superstructure (Timber; Span 8a; BHSO)	m2	0.00	62,512	6,923	0	0	0
Superstructure (Concrete; Span 3a; BHSO)	m2	0.00	43,442	85,218	0	0	0
Superstructure (Concrete; Span 5a; BHSO)	m2	0.00	44,766	95,130	0	0	0
Superstructure (Concrete; Span 8a; BHSO)	m2	0.00	46,228	103,557	0	0	0
Superstructure (Concrete; Span 10a; BHSO)	m2	0.00	50,653	117,519	0	0	0
Superstructure (Concrete; Span 15a; BHSO)	m2	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; BHSO)	NO	0.00	466,567	56,232	0	0	0
Substructure (Abut; for Timber; BHSO)	NO	0.00	1,026,452	192,037	0	0	0
Substructure (Pier; for Concrete; BHSO)	NO	0.00	1,647,543	467,119	0	0	0
Substructure (Abut; for Concrete; BHSO)	NO	0.00	3,478,338	982,678	0	0	0
Demolition of Bridge (Timber->Timber)	m2	0.00	10,350	1,551	0	0	0
Demolition of Bridge (Timber->Concrete)	m2	0.00	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)	m2	0.00	6,882	1,232	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.00	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	296.00	7,507	2,460	2,222,072	728,160	2,950,232
Maintenance of Concrete Bridge (Exist)	m2	48.00	4,417	2,375	212,016	114,000	326,016
(Without Overhead)			TOTAL COST (Timber Bridge)		0	0	0
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		0	0	0
(Overhead : 15%)			TOTAL COST (Timber Bridge)		0	0	0
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		0	0	0

PROV : KALIMANTAN SELATAN KAB : BANJAR

LINK NO : 26 (IIB-2) LENGTH : 3 Km

(Rp)

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		>>>>> TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber; Span 3m; 10T)	m2	0.00	36,412	4,083	0	0	0
Superstructure (Timber; Span 5m; 10T)	m2	0.00	40,332	4,508	0	0	0
Superstructure (Timber; Span 8m; 10T)	m2	0.00	53,420	5,921	0	0	0
Superstructure (Timber; Span 3m; BMSO)	m2	0.00	45,149	5,048	0	0	0
Superstructure (Timber; Span 5m; BMSO)	m2	0.00	49,290	5,469	0	0	0
Superstructure (Timber; Span 8m; BMSO)	m2	0.00	62,512	6,923	0	0	0
Superstructure (Concrete; Span 3m; BMSO)	m2	0.00	43,442	85,218	0	0	0
Superstructure (Concrete; Span 5m; BMSO)	m2	0.00	44,766	95,130	0	0	0
Superstructure (Concrete; Span 8m; BMSO)	m2	0.00	46,228	103,557	0	0	0
Superstructure (Concrete; Span 10m; BMSO)	m2	0.00	50,653	117,519	0	0	0
Superstructure (Concrete; Span 15m; BMSO)	m2	0.00	54,835	138,305	0	0	0
Substructure (Pier; for Timber; 10T)	NO	0.00	317,235	37,989	0	0	0
Substructure (Abut; for Timber; 10T)	NO	0.00	913,669	171,942	0	0	0
Substructure (Pier; for Timber; BMSO)	NO	0.00	466,567	56,232	0	0	0
Substructure (Abut; for Timber; BMSO)	NO	0.00	1,026,452	192,037	0	0	0
Substructure (Pier; for Concrete; BMSO)	NO	0.00	1,647,543	467,119	0	0	0
Substructure (Abut; for Concrete; BMSO)	NO	0.00	3,478,338	982,678	0	0	0
Demolition of Bridge (Timber->Timber)	m2	0.00	10,350	1,551	0	0	0
Demolition of Bridge (Timber->Concrete)	m2	0.00	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)	m2	0.00	6,882	1,232	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.00	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	132.00	7,507	2,460	990,924	324,720	1,315,644
Maintenance of Concrete Bridge (Exist)	m2	0.00	4,417	2,375	0	0	0
(Without Overhead)			TOTAL COST (Timber Bridge)		0	0	0
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		0	0	0
(Overhead : 15%)			TOTAL COST (Timber Bridge)		0	0	0
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		0	0	0

PROV : KALIMANTAN SELATAN KAB : BANJAR
 LINK NO : 27 (IIIA) LENGTH : 6 Km

(Rp)

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		>>>>> TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber;Span 3a;10T)	m2	0.00	36,412	4,083	0	0	0
Superstructure (Timber;Span 5a;10T)	m2	0.00	40,332	4,508	0	0	0
Superstructure (Timber;Span 8a;10T)	m2	0.00	53,420	5,921	0	0	0
Superstructure (Timber;Span 3a;BMS0)	m2	0.00	45,149	5,048	0	0	0
Superstructure (Timber;Span 5a;BMS0)	m2	0.00	49,290	5,469	0	0	0
Superstructure (Timber;Span 8a;BMS0)	m2	0.00	62,512	6,923	0	0	0
Superstructure (Concrete;Span 3a;BMS0)	m2	0.00	43,442	85,218	0	0	0
Superstructure (Concrete;Span 5a;BMS0)	m2	0.00	44,766	95,130	0	0	0
Superstructure (Concrete;Span 8a;BMS0)	m2	0.00	46,228	103,557	0	0	0
Superstructure (Concrete;Span10a;BMS0)	m2	0.00	50,653	117,519	0	0	0
Superstructure (Concrete;Span15a;BMS0)	m2	0.00	51,835	138,305	0	0	0
Substructure (Pier;for Timber;10T)	NO	0.00	317,235	37,989	0	0	0
Substructure (Abut;for Timber;10T)	NO	0.00	913,669	171,942	0	0	0
Substructure (Pier;for Timber;BMS0)	NO	0.00	466,567	56,232	0	0	0
Substructure (Abut;for Timber;BMS0)	NO	0.00	1,026,452	192,037	0	0	0
Substructure (Pier;for Concrete;BMS0)	NO	0.00	1,647,543	467,119	0	0	0
Substructure (Abut;for Concrete;BMS0)	NO	0.00	3,478,338	982,678	0	0	0
Demolition of Bridge (Timber->Timber)	m2	0.00	10,350	1,551	0	0	0
Demolition of Bridge (Timber->Concrete)	m2	0.00	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)	m2	0.00	6,882	1,232	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.00	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	194.00	7,507	2,460	1,456,358	477,240	1,933,598
Maintenance of Concrete Bridge (Exist)	m2	0.00	4,417	2,375	0	0	0
<hr/>							
(Without Overhead)	TOTAL COST (Timber Bridge)				0	0	0
	(Concrete Bridge)				0	0	0
	TOTAL COST (without Maintenance)				0	0	0
<hr/>							
(Overhead : 15%)	TOTAL COST (Timber Bridge)				0	0	0
	(Concrete Bridge)				0	0	0
	TOTAL COST (without Maintenance)				0	0	0

PROV : KALIMANTAN SELATAN KAB : BANJAR

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

(Rp)

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber; Span 3m; IOT)	m2	0.00	36,412	4,083	0	0	0
Superstructure (Timber; Span 5m; IOT)	m2	0.00	40,332	4,508	0	0	0
Superstructure (Timber; Span 8m; IOT)	m2	0.00	53,420	5,921	0	0	0
Superstructure (Timber; Span 3m; BH50)	m2	0.00	45,149	5,048	0	0	0
Superstructure (Timber; Span 5m; BH50)	m2	0.00	49,290	5,469	0	0	0
Superstructure (Timber; Span 8m; BH50)	m2	0.00	62,512	6,923	0	0	0
Superstructure (Concrete; Span 3m; BH50)	m2	0.00	43,442	85,218	0	0	0
Superstructure (Concrete; Span 5m; BH50)	m2	0.00	44,766	95,130	0	0	0
Superstructure (Concrete; Span 8m; BH50)	m2	0.00	46,228	103,557	0	0	0
Superstructure (Concrete; Span 10m; BH50)	m2	0.00	50,653	117,519	0	0	0
Superstructure (Concrete; Span 15m; BH50)	m2	0.00	54,835	138,305	0	0	0
Substructure (Pier; for Timber; IOT)	NO	0.00	317,235	37,989	0	0	0
Substructure (Abut; for Timber; IOT)	NO	0.00	913,669	171,942	0	0	0
Substructure (Pier; for Timber; BH50)	NO	0.00	466,567	56,232	0	0	0
Substructure (Abut; for Timber; BH50)	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; BH50)	NO	0.00	3,478,338	982,678	0	0	0
Demolition of Bridge (Timber->Timber)	m2	0.00	10,350	1,551	0	0	0
Demolition of Bridge (Timber->Concrete)	m2	0.00	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)	m2	0.00	6,882	1,232	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.00	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	32.00	7,507	2,460	240,224	78,720	318,944
Maintenance of Concrete Bridge (Exist)	m2	0.00	4,417	2,375	0	0	0
(Without Overhead)			TOTAL COST (Timber Bridge)		0	0	0
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		0	0	0
(Overhead : 15%)			TOTAL COST (Timber Bridge)		0	0	0
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		0	0	0

PROV : KALIMANTAN SELATAN KAB : BANJAR
 LINK NO : 29 (IIB-2) LENGTH : 5 Km

(Rp)

I T E M	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber; Span 3a; 10T)	m2	0.00	36,412	4,083	0	0	0
Superstructure (Timber; Span 5a; 10T)	m2	32.00	40,332	4,508	1,290,624	144,256	1,434,880
Superstructure (Timber; Span 8a; 10T)	m2	0.00	53,420	5,921	0	0	0
Superstructure (Timber; Span 3a; BH50)	m2	0.00	45,149	5,048	0	0	0
Superstructure (Timber; Span 5a; BH50)	m2	0.00	49,290	5,469	0	0	0
Superstructure (Timber; Span 8a; BH50)	m2	0.00	62,512	6,923	0	0	0
Superstructure (Concrete; Span 3a; BH50)	m2	0.00	43,442	85,218	0	0	0
Superstructure (Concrete; Span 5a; BH50)	m2	0.00	44,766	95,130	0	0	0
Superstructure (Concrete; Span 8a; BH50)	m2	0.00	46,228	103,557	0	0	0
Superstructure (Concrete; Span 10a; BH50)	m2	0.00	50,653	117,519	0	0	0
Superstructure (Concrete; Span 15a; BH50)	m2	0.00	54,835	138,305	0	0	0
Substructure (Pier; for Timber; 10T)	NO	1.00	317,235	37,989	317,235	37,989	355,224
Substructure (Abut; for Timber; 10T)	NO	2.00	913,669	171,942	1,827,338	343,884	2,171,222
Substructure (Pier; for Timber; BH50)	NO	0.00	466,567	56,232	0	0	0
Substructure (Abut; for Timber; BH50)	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; BH50)	NO	0.00	3,478,338	982,678	0	0	0
Demolition of Bridge (Timber->Timber)	m2	32.00	10,350	1,551	331,200	49,632	380,832
Demolition of Bridge (Timber->Concrete)	m2	0.00	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)	m2	32.00	6,882	1,232	220,224	39,424	259,648
Maintenance of Concrete Bridge (New)	m2	0.00	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	84.00	7,507	2,460	630,588	206,640	837,228
Maintenance of Concrete Bridge (Exist)	m2	0.00	4,417	2,375	0	0	0
(Without Overhead)			TOTAL COST (Timber Bridge)		3,766,397	575,761	4,342,158
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		3,766,397	575,761	4,342,158
(Overhead : 15%)			TOTAL COST (Timber Bridge)		4,331,357	662,125	4,993,482
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		4,331,357	662,125	4,993,482

PROV : KALIMANTAN SELATAN KAB : BANJAR
 LINK NO : 34 (IIB-2) LENGTH : 9 Km

(Rp)

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		>>>>> TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber; Span 3m; 10T)	m2	0.00	36,412	4,083	0	0	0
Superstructure (Timber; Span 5m; 10T)	m2	0.00	40,332	4,508	0	0	0
Superstructure (Timber; Span 8m; 10T)	m2	0.00	53,420	5,921	0	0	0
Superstructure (Timber; Span 3m; BMSO)	m2	0.00	45,149	5,048	0	0	0
Superstructure (Timber; Span 5m; BMSO)	m2	0.00	49,290	5,469	0	0	0
Superstructure (Timber; Span 8m; BMSO)	m2	0.00	62,512	6,923	0	0	0
Superstructure (Concrete; Span 3m; BMSO)	m2	0.00	43,442	85,218	0	0	0
Superstructure (Concrete; Span 5m; BMSO)	m2	0.00	44,766	95,130	0	0	0
Superstructure (Concrete; Span 8m; BMSO)	m2	0.00	46,228	103,557	0	0	0
Superstructure (Concrete; Span 10m; BMSO)	m2	0.00	50,653	117,519	0	0	0
Superstructure (Concrete; Span 15m; BMSO)	m2	0.00	54,835	138,305	0	0	0
Substructure (Pier; for Timber; 10T)	NO	0.00	317,235	37,989	0	0	0
Substructure (Abut; for Timber; 10T)	NO	0.00	913,669	171,942	0	0	0
Substructure (Pier; for Timber; BMSO)	NO	0.00	466,567	56,232	0	0	0
Substructure (Abut; for Timber; BMSO)	NO	0.00	1,026,452	192,037	0	0	0
Substructure (Pier; for Concrete; BMSO)	NO	0.00	1,647,543	467,119	0	0	0
Substructure (Abut; for Concrete; BMSO)	NO	0.00	3,478,338	982,678	0	0	0
Demolition of Bridge (Timber->Timber)	m2	0.00	10,350	1,551	0	0	0
Demolition of Bridge (Timber->Concrete)	m2	0.00	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)	m2	0.00	6,882	1,232	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.00	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	216.00	7,507	2,460	1,621,512	531,360	2,152,872
Maintenance of Concrete Bridge (Exist)	m2	0.00	4,417	2,375	0	0	0
(Without Overhead)			TOTAL COST (Timber Bridge)		0	0	0
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		0	0	0
(Overhead : 15%)			TOTAL COST (Timber Bridge)		0	0	0
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		0	0	0

PROV : KALIMANTAN SELATAN KAB : BANJAR
 LINK NO : 35 (IIIA) LENGTH : 6 Km

(Rp)

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		>>>>> TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber;Span 3m;10T)	m2	0.00	36,412	4,083	0	0	0
Superstructure (Timber;Span 5m;10T)	m2	0.00	40,332	4,508	0	0	0
Superstructure (Timber;Span 8m;10T)	m2	0.00	53,420	5,921	0	0	0
Superstructure (Timber;Span 3m;BH50)	m2	0.00	45,149	5,048	0	0	0
Superstructure (Timber;Span 5m;BH50)	m2	0.00	49,290	5,469	0	0	0
Superstructure (Timber;Span 8m;BH50)	m2	32.00	62,512	6,923	2,000,384	221,536	2,221,920
Superstructure (Concrete;Span 3m;BH50)	m2	0.00	43,442	85,218	0	0	0
Superstructure (Concrete;Span 5m;BH50)	m2	0.00	44,766	95,130	0	0	0
Superstructure (Concrete;Span 8m;BH50)	m2	0.00	46,228	103,557	0	0	0
Superstructure (Concrete;Span10m;BH50)	m2	0.00	50,653	117,519	0	0	0
Superstructure (Concrete;Span15m;BH50)	m2	0.00	54,835	138,305	0	0	0
Substructure (Pier;for Timber;10T)	NO	0.00	317,235	37,989	0	0	0
Substructure (Abut;for Timber;10T)	NO	0.00	913,669	171,942	0	0	0
Substructure (Pier;for Timber;BH50)	NO	0.00	466,567	56,232	0	0	0
Substructure (Abut;for Timber;BH50)	NO	2.00	1,026,452	192,037	2,052,904	384,074	2,436,978
Substructure (Pier;for Concrete;BH50)	NO	0.00	1,647,543	467,119	0	0	0
Substructure (Abut;for Concrete;BH50)	NO	0.00	3,478,338	982,678	0	0	0
Demolition of Bridge (Timber->Timber)	m2	0.00	10,350	1,551	0	0	0
Demolition of Bridge (Timber->Concrete)	m2	0.00	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)	m2	32.00	6,882	1,232	220,224	39,424	259,648
Maintenance of Concrete Bridge (New)	m2	0.00	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	270.00	7,507	2,460	2,026,890	664,200	2,691,090
Maintenance of Concrete Bridge (Exist)	m2	0.00	4,417	2,375	0	0	0
(Without Overhead)			TOTAL COST (Timber Bridge)		4,053,288	605,610	4,658,898
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		4,053,288	605,610	4,658,898
(Overhead : 15%)			TOTAL COST (Timber Bridge)		4,661,281	696,452	5,357,733
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		4,661,281	696,452	5,357,733

PROV : KALIMANTAN SELATAN KAB : BANJAR

LINK NO : 36 (IIIA) LENGTH : 12 Km

(Rp)

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber;Span 3m;10T)	m2	0.00	36,412	4,083	0	0	0
Superstructure (Timber;Span 5m;10T)	m2	0.00	40,332	4,508	0	0	0
Superstructure (Timber;Span 8m;10T)	m2	0.00	53,420	5,921	0	0	0
Superstructure (Timber;Span 3m;BMS0)	m2	0.00	45,149	5,048	0	0	0
Superstructure (Timber;Span 5m;BMS0)	m2	0.00	49,290	5,469	0	0	0
Superstructure (Timber;Span 8m;BMS0)	m2	0.00	62,512	6,923	0	0	0
Superstructure (Concrete;Span 3m;BMS0)	m2	0.00	43,442	85,210	0	0	0
Superstructure (Concrete;Span 5m;BMS0)	m2	0.00	44,766	95,130	0	0	0
Superstructure (Concrete;Span 8m;BMS0)	m2	0.00	46,228	103,557	0	0	0
Superstructure (Concrete;Span10m;BMS0)	m2	0.00	50,653	117,519	0	0	0
Superstructure (Concrete;Span15m;BMS0)	m2	0.00	54,835	138,305	0	0	0
Substructure (Pier;for Timber;10T)	NO	0.00	317,235	37,989	0	0	0
Substructure (Abut;for Timber;10T)	NO	0.00	913,669	171,942	0	0	0
Substructure (Pier;for Timber;BMS0)	NO	0.00	466,567	56,232	0	0	0
Substructure (Abut;for Timber;BMS0)	NO	0.00	1,026,452	192,037	0	0	0
Substructure (Pier;for Concrete;BMS0)	NO	0.00	1,647,543	467,119	0	0	0
Substructure (Abut;for Concrete;BMS0)	NO	0.00	3,478,338	982,678	0	0	0
Demolition of Bridge (Timber->Timber)	m2	0.00	10,350	1,551	0	0	0
Demolition of Bridge (Timber->Concrete)	m2	0.00	10,350	1,551	0	0	0
Demolition of Bridge (Concrete)	m2	0.00	77,433	67,135	0	0	0
Maintenance of Tiaber Bridge (New)	m2	0.00	6,882	1,232	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.00	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	264.00	7,507	2,460	2,131,988	698,640	2,830,628
Maintenance of Concrete Bridge (Exist)	m2	0.00	4,417	2,375	0	0	0
<hr/>							
(Without Overhead)	TOTAL COST (Tiaber Bridge)				0	0	0
	(Concrete Bridge)				0	0	0
	TOTAL COST (without Maintenance)				0	0	0
<hr/>							
(Overhead : 15%)	TOTAL COST (Tiaber Bridge)				0	0	0
	(Concrete Bridge)				0	0	0
	TOTAL COST (without Maintenance)				0	0	0

PROV : KALIMANTAN SELATAN KAB : BANJAR

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

(Rp)

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		>>>>> TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber; Span 3m; 10T)	m2	0.00	36,412	4,083	0	0	0
Superstructure (Timber; Span 5m; 10T)	m2	0.00	40,332	4,508	0	0	0
Superstructure (Timber; Span 8m; 10T)	m2	0.00	53,420	5,921	0	0	0
Superstructure (Timber; Span 3m; BHSO)	m2	0.00	45,149	5,048	0	0	0
Superstructure (Timber; Span 5m; BHSO)	m2	0.00	49,290	5,469	0	0	0
Superstructure (Timber; Span 8m; BHSO)	m2	0.00	62,512	6,923	0	0	0
Superstructure (Concrete; Span 3m; BHSO)	m2	0.00	43,442	85,218	0	0	0
Superstructure (Concrete; Span 5m; BHSO)	m2	0.00	44,766	95,130	0	0	0
Superstructure (Concrete; Span 8m; BHSO)	m2	0.00	46,228	103,557	0	0	0
Superstructure (Concrete; Span 10m; BHSO)	m2	0.00	50,653	117,519	0	0	0
Superstructure (Concrete; Span 15m; BHSO)	m2	0.00	54,835	138,305	0	0	0
Substructure (Pier; for Timber; 10T)	NO	0.00	317,235	37,989	0	0	0
Substructure (Abut; for Timber; 10T)	NO	0.00	913,669	171,942	0	0	0
Substructure (Pier; for Timber; BHSO)	NO	0.00	466,567	56,232	0	0	0
Substructure (Abut; for Timber; BHSO)	NO	0.00	1,026,452	192,037	0	0	0
Substructure (Pier; for Concrete; BHSO)	NO	0.00	1,647,543	467,119	0	0	0
Substructure (Abut; for Concrete; BHSO)	NO	0.00	3,478,338	982,678	0	0	0
Demolition of Bridge (Timber->Timber)	m2	0.00	10,350	1,551	0	0	0
Demolition of Bridge (Timber->Concrete)	m2	0.00	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)	m2	0.00	6,882	1,232	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.00	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	107.00	7,507	2,460	803,249	263,220	1,066,469
Maintenance of Concrete Bridge (Exist)	m2	0.00	4,417	2,375	0	0	0
<hr/>							
(Without Overhead)	TOTAL COST (Timber Bridge)				0	0	0
	(Concrete Bridge)				0	0	0
	TOTAL COST (without Maintenance)				0	0	0
<hr/>							
(Overhead : 15%)	TOTAL COST (Timber Bridge)				0	0	0
	(Concrete Bridge)				0	0	0
	TOTAL COST (without Maintenance)				0	0	0

PRDV : KALIMANTAN BELATAN KAB : BANJAR

LINK NO : 44 (IIIA) LENGTH : 4 Km

(Rp)

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		>>>>> TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber; Span 3m; IOT)	m2	0.00	36,412	4,083	0	0	0
Superstructure (Timber; Span 5m; IOT)	m2	0.00	40,332	4,508	0	0	0
Superstructure (Timber; Span 8m; IOT)	m2	0.00	53,420	5,921	0	0	0
Superstructure (Timber; Span 3m; BH50)	m2	532.00	45,149	5,048	24,019,268	2,685,536	26,704,804
Superstructure (Timber; Span 5m; BH50)	m2	52.00	49,290	5,469	2,563,080	284,388	2,847,468
Superstructure (Timber; Span 8m; BH50)	m2	0.00	62,512	6,923	0	0	0
Superstructure (Concrete; Span 3m; BH50)	m2	0.00	43,442	85,218	0	0	0
Superstructure (Concrete; Span 5m; BH50)	m2	0.00	44,766	95,130	0	0	0
Superstructure (Concrete; Span 8m; BH50)	m2	0.00	46,228	103,557	0	0	0
Superstructure (Concrete; Span 10m; BH50)	m2	0.00	50,653	117,519	0	0	0
Superstructure (Concrete; Span 15m; BH50)	m2	0.00	54,835	138,305	0	0	0
Substructure (Pier; for Timber; IOT)	NO	0.00	317,235	37,989	0	0	0
Substructure (Abut; for Timber; IOT)	NO	0.00	913,669	171,942	0	0	0
Substructure (Pier; for Timber; BH50)	NO	33.00	466,567	56,232	15,396,711	1,855,856	17,252,367
Substructure (Abut; for Timber; BH50)	NO	42.00	1,026,452	192,037	43,110,984	8,065,554	51,176,538
Substructure (Pier; for Concrete; BH50)	NO	0.00	1,647,543	467,119	0	0	0
Substructure (Abut; for Concrete; BH50)	NO	0.00	3,478,338	982,678	0	0	0
Demolition of Bridge (Timber->Timber)	m2	334.50	10,350	1,551	3,462,075	518,809	3,980,884
Demolition of Bridge (Timber->Concrete)	m2	0.00	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)	m2	584.00	6,882	1,232	4,019,088	719,488	4,738,576
Maintenance of Concrete Bridge (New)	m2	0.00	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	295.00	7,507	2,460	2,214,565	725,700	2,940,265
Maintenance of Concrete Bridge (Exist)	m2	0.00	4,417	2,375	0	0	0
(Without Overhead)			TOTAL COST (Timber Bridge)		88,552,118	13,409,943	101,962,061
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		88,552,118	13,409,943	101,962,061
(Overhead : 15%)			TOTAL COST (Timber Bridge)		101,834,936	15,421,434	117,256,370
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		101,834,936	15,421,434	117,256,370

PROV : KALIMANTAN SELATAN KAB : BANJAR

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

(Rp)

I T E M	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber;Span 3a;101)	m2	0.00	36,412	4,083	0	0	0
Superstructure (Timber;Span 5a;101)	m2	0.00	40,332	4,508	0	0	0
Superstructure (Timber;Span 8a;101)	m2	0.00	53,420	5,921	0	0	0
Superstructure (Timber;Span 3a;BHSO)	m2	0.00	45,149	5,048	0	0	0
Superstructure (Timber;Span 5a;BHSO)	m2	0.00	49,290	5,469	0	0	0
Superstructure (Timber;Span 8a;BHSO)	m2	0.00	62,512	6,923	0	0	0
Superstructure (Concrete;Span 3a;BHSO)	m2	0.00	43,442	85,218	0	0	0
Superstructure (Concrete;Span 5a;BHSO)	m2	0.00	44,766	95,130	0	0	0
Superstructure (Concrete;Span 8a;BHSO)	m2	0.00	46,228	103,557	0	0	0
Superstructure (Concrete;Span10a;BHSO)	m2	0.00	50,853	117,519	0	0	0
Superstructure (Concrete;Span15a;BHSO)	m2	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;BHSO)	NO	0.00	466,567	56,232	0	0	0
Substructure (Abut;for Timber;BHSO)	NO	0.00	1,026,452	192,037	0	0	0
Substructure (Pier;for Concrete;BHSO)	NO	0.00	1,647,543	467,119	0	0	0
Substructure (Abut;for Concrete;BHSO)	NO	0.00	3,478,338	982,678	0	0	0
Demolition of Bridge (Timber->Timber)	m2	0.00	10,350	1,551	0	0	0
Demolition of Bridge (Timber->Concrete)	m2	0.00	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)	m2	0.00	6,882	1,232	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.00	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	21.00	7,507	2,460	157,647	51,660	209,307
Maintenance of Concrete Bridge (Exist)	m2	0.00	4,417	2,375	0	0	0
(Without Overhead)			TOTAL COST (Timber Bridge)		0	0	0
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		0	0	0
(Overhead : 15%)			TOTAL COST (Timber Bridge)		0	0	0
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		0	0	0

PROV : KALIMANTAN SELATAN KAB : DANJAR

LINK NO : S1 (IIIA) LENGTH : 7 Km

(Rp)

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber; Span 3a; IOT)	m2	0.00	36,412	4,083	0	0	0
Superstructure (Timber; Span 5a; IOT)	m2	0.00	40,332	4,508	0	0	0
Superstructure (Timber; Span 8a; IOT)	m2	0.00	53,420	5,921	0	0	0
Superstructure (Timber; Span 3a; BH50)	m2	0.00	45,149	5,048	0	0	0
Superstructure (Timber; Span 5a; BH50)	m2	308.00	49,290	5,469	15,181,320	1,684,452	16,865,772
Superstructure (Timber; Span 8a; BH50)	m2	0.00	62,512	6,923	0	0	0
Superstructure (Concrete; Span 3a; BH50)	m2	0.00	43,442	85,218	0	0	0
Superstructure (Concrete; Span 5a; BH50)	m2	0.00	44,766	95,130	0	0	0
Superstructure (Concrete; Span 8a; BH50)	m2	0.00	46,228	103,557	0	0	0
Superstructure (Concrete; Span 10a; BH50)	m2	0.00	50,653	117,519	0	0	0
Superstructure (Concrete; Span 15a; BH50)	m2	0.00	54,835	138,305	0	0	0
Substructure (Pier; for Timber; IOT)	NO	0.00	317,235	37,989	0	0	0
Substructure (Abut; for Timber; IOT)	NO	0.00	913,669	171,942	0	0	0
Substructure (Pier; for Timber; BH50)	NO	16.00	466,567	56,232	7,465,072	899,712	8,364,784
Substructure (Abut; for Timber; BH50)	NO	10.00	1,026,452	192,037	10,264,520	1,920,370	12,184,890
Substructure (Pier; for Concrete; BH50)	NO	0.00	1,647,543	467,119	0	0	0
Substructure (Abut; for Concrete; BH50)	NO	0.00	3,478,338	982,678	0	0	0
Demolition of Bridge (Timber->Timber)	m2	159.70	10,350	1,551	1,652,895	247,694	1,900,589
Demolition of Bridge (Timber->Concrete)	m2	0.00	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)	m2	308.00	6,882	1,232	2,119,656	379,456	2,499,112
Maintenance of Concrete Bridge (New)	m2	0.00	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	209.00	7,507	2,460	1,568,963	514,140	2,083,103
Maintenance of Concrete Bridge (Exist)	m2	0.00	4,417	2,375	0	0	0
(Without Overhead)			TOTAL COST (Timber Bridge)		34,563,807	4,752,228	39,316,035
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		34,563,807	4,752,228	39,316,035
(Overhead : 15%)			TOTAL COST (Timber Bridge)		39,748,378	5,465,062	45,213,440
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		39,748,378	5,465,062	45,213,440

PROV : KALIMANTAN SELATAN KAB : BANJAR

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

(Rp)

I T E M	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber; Span 3m; IOT)	m2	12.00	36,412	4,003	436,944	48,996	485,940
Superstructure (Timber; Span 5m; IOT)	m2	0.00	40,332	4,508	0	0	0
Superstructure (Timber; Span 8m; IOT)	m2	0.00	53,420	5,921	0	0	0
Superstructure (Timber; Span 3m; BMSO)	m2	0.00	45,149	5,048	0	0	0
Superstructure (Timber; Span 5m; BMSO)	m2	0.00	49,290	5,469	0	0	0
Superstructure (Timber; Span 8m; BMSO)	m2	0.00	62,512	6,923	0	0	0
Superstructure (Concrete; Span 3m; BMSO)	m2	0.00	43,442	85,218	0	0	0
Superstructure (Concrete; Span 5m; BMSO)	m2	0.00	44,766	95,130	0	0	0
Superstructure (Concrete; Span 8m; BMSO)	m2	0.00	46,228	103,557	0	0	0
Superstructure (Concrete; Span 10m; BMSO)	m2	0.00	50,653	117,519	0	0	0
Superstructure (Concrete; Span 15m; BMSO)	m2	0.00	54,835	138,305	0	0	0
Substructure (Pier; for Timber; IOT)	NO	0.00	317,235	37,989	0	0	0
Substructure (Abut; for Timber; IOT)	NO	2.00	913,669	171,942	1,827,338	343,884	2,171,222
Substructure (Pier; for Timber; BMSO)	NO	0.00	466,567	56,232	0	0	0
Substructure (Abut; for Timber; BMSO)	NO	0.00	1,026,452	192,037	0	0	0
Substructure (Pier; for Concrete; BMSO)	NO	0.00	1,647,543	467,119	0	0	0
Substructure (Abut; for Concrete; BMSO)	NO	0.00	3,478,338	982,678	0	0	0
Demolition of Bridge (Timber->Timber)	m2	6.00	10,350	1,551	62,100	9,306	71,406
Demolition of Bridge (Timber->Concrete)	m2	0.00	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)	m2	12.00	6,882	1,232	82,584	14,784	97,368
Maintenance of Concrete Bridge (New)	m2	0.00	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	15.00	7,507	2,460	112,605	36,900	149,505
Maintenance of Concrete Bridge (Exist)	m2	0.00	4,417	2,375	0	0	0
(Without Overhead)			TOTAL COST (Timber Bridge)		2,326,382	402,186	2,728,568
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		2,326,382	402,186	2,728,568
(Overhead : 15%)			TOTAL COST (Timber Bridge)		2,675,339	462,514	3,137,853
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		2,675,339	462,514	3,137,853

PROV : KALIMANTAN SELATAN KAR : BANJAR

LINK NO : 67 (IIIA) LENGTH : 6 Km

(Rp)

I T E M	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		>>>>> TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber; Span 3a; 10T)	m2	0.00	36,412	4,083	0	0	0
Superstructure (Timber; Span 5a; 10T)	m2	0.00	40,332	4,508	0	0	0
Superstructure (Timber; Span 8a; 10T)	m2	0.00	53,420	5,921	0	0	0
Superstructure (Timber; Span 3a; BH50)	m2	0.00	45,149	5,048	0	0	0
Superstructure (Timber; Span 5a; BH50)	m2	76.00	49,290	5,469	3,746,040	415,644	4,161,684
Superstructure (Timber; Span 8a; BH50)	m2	336.00	62,512	6,923	21,004,032	2,326,128	23,330,160
Superstructure (Concrete; Span 3a; BH50)	m2	0.00	43,442	85,218	0	0	0
Superstructure (Concrete; Span 5a; BH50)	m2	0.00	44,766	95,130	0	0	0
Superstructure (Concrete; Span 8a; BH50)	m2	0.00	46,228	103,557	0	0	0
Superstructure (Concrete; Span 10a; BH50)	m2	0.00	50,653	117,519	0	0	0
Superstructure (Concrete; Span 15a; BH50)	m2	0.00	54,835	138,305	0	0	0
Substructure (Pier; for Timber; 10T)	NO	0.00	317,235	37,989	0	0	0
Substructure (Abut; for Timber; 10T)	NO	0.00	913,669	171,942	0	0	0
Substructure (Pier; for Timber; BH50)	NO	7.00	466,567	56,232	3,265,969	393,624	3,659,593
Substructure (Abut; for Timber; BH50)	NO	18.00	1,026,452	192,037	18,476,136	3,456,666	21,932,802
Substructure (Pier; for Concrete; BH50)	NO	0.00	1,647,543	467,119	0	0	0
Substructure (Abut; for Concrete; BH50)	NO	0.00	3,478,338	982,678	0	0	0
Demolition of Bridge (Timber->Timber)	m2	0.00	10,350	1,551	0	0	0
Demolition of Bridge (Timber->Concrete)	m2	0.00	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)	m2	412.00	6,882	1,232	2,835,384	507,584	3,342,968
Maintenance of Concrete Bridge (New)	m2	0.00	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	0.00	7,507	2,460	0	0	0
Maintenance of Concrete Bridge (Exist)	m2	0.00	4,417	2,375	0	0	0
(Without Overhead)			TOTAL COST (Timber Bridge)		46,492,177	6,592,062	53,084,239
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		46,492,177	6,592,062	53,084,239
(Overhead : 15%)			TOTAL COST (Timber Bridge)		53,466,004	7,580,871	61,046,875
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		53,466,004	7,580,871	61,046,875

PROV : KALIMANTAN SELATAN KAB : BANJAR

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

(Rp)

I T E M	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber;Span 3a;10T)	m2	0.00	36,412	4,083	0	0	0
Superstructure (Timber;Span 5a;10T)	m2	0.00	40,332	4,508	0	0	0
Superstructure (Timber;Span 8a;10T)	m2	28.00	53,420	5,921	1,495,760	165,788	1,661,548
Superstructure (Timber;Span 3a;BH50)	m2	0.00	45,149	5,048	0	0	0
Superstructure (Timber;Span 5a;BH50)	m2	0.00	49,290	5,469	0	0	0
Superstructure (Timber;Span 8a;BH50)	m2	0.00	62,512	6,923	0	0	0
Superstructure (Concrete;Span 3a;BH50)	m2	0.00	43,442	85,218	0	0	0
Superstructure (Concrete;Span 5a;BH50)	m2	0.00	44,766	95,130	0	0	0
Superstructure (Concrete;Span 8a;BH50)	m2	0.00	46,228	103,557	0	0	0
Superstructure (Concrete;Span10a;BH50)	m2	0.00	50,653	117,519	0	0	0
Superstructure (Concrete;Span15a;BH50)	m2	0.00	54,835	138,305	0	0	0
Substructure (Pier;for Timber;10T)	NO	0.00	317,235	37,989	0	0	0
Substructure (Abut;for Timber;10T)	NO	2.00	913,669	171,942	1,827,338	343,884	2,171,222
Substructure (Pier;for Timber;BH50)	NO	0.00	466,567	56,232	0	0	0
Substructure (Abut;for Timber;BH50)	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;BH50)	NO	0.00	3,478,338	982,678	0	0	0
Demolition of Bridge (Timber->Timber)	m2	14.00	10,350	1,551	144,900	21,714	166,614
Demolition of Bridge (Timber->Concrete)	m2	0.00	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)	m2	28.00	6,882	1,232	192,696	34,496	227,192
Maintenance of Concrete Bridge (New)	m2	0.00	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	0.00	7,507	2,460	0	0	0
Maintenance of Concrete Bridge (Exist)	m2	0.00	4,417	2,375	0	0	0
(Without Overhead)			TOTAL COST (Timber Bridge)		3,467,998	531,386	3,999,384
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		3,467,998	531,386	3,999,384
(Overhead : 15%)			TOTAL COST (Timber Bridge)		3,988,198	611,094	4,599,292
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		3,988,198	611,094	4,599,292

PROV : KALIMANTAN SELATAN KAB : BANJAR

LINK NO : 70 (IIB-1) LENGTH : 2 Km

(Rp)

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		>>>>> TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber; Span 3a; IOT)	m2	0.00	36,412	4,083	0	0	0
Superstructure (Timber; Span 5a; IOT)	m2	20.00	40,332	4,508	806,640	90,160	896,800
Superstructure (Timber; Span 8a; IOT)	m2	0.00	53,420	5,921	0	0	0
Superstructure (Timber; Span 3a; BHSO)	m2	0.00	45,149	5,048	0	0	0
Superstructure (Timber; Span 5a; BHSO)	m2	0.00	49,290	5,469	0	0	0
Superstructure (Timber; Span 8a; BHSO)	m2	0.00	62,512	6,923	0	0	0
Superstructure (Concrete; Span 3a; BHSO)	m2	0.00	43,442	85,218	0	0	0
Superstructure (Concrete; Span 5a; BHSO)	m2	0.00	44,766	93,130	0	0	0
Superstructure (Concrete; Span 8a; BHSO)	m2	0.00	46,228	103,557	0	0	0
Superstructure (Concrete; Span 10a; BHSO)	m2	0.00	50,653	117,519	0	0	0
Superstructure (Concrete; Span 15a; BHSO)	m2	0.00	54,835	138,305	0	0	0
Substructure (Pier; for Timber; IOT)	NO	0.00	317,235	37,989	0	0	0
Substructure (Abut; for Timber; IOT)	NO	2.00	913,669	171,942	1,827,338	343,884	2,171,222
Substructure (Pier; for Timber; BHSO)	NO	0.00	466,567	56,232	0	0	0
Substructure (Abut; for Timber; BHSO)	NO	0.00	1,026,452	192,037	0	0	0
Substructure (Pier; for Concrete; BHSO)	NO	0.00	1,647,543	467,119	0	0	0
Substructure (Abut; for Concrete; BHSO)	NO	0.00	3,478,338	982,678	0	0	0
Demolition of Bridge (Timber->Timber)	m2	0.00	10,350	1,551	0	0	0
Demolition of Bridge (Timber->Concrete)	m2	0.00	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)	m2	20.00	6,882	1,232	137,640	24,640	162,280
Maintenance of Concrete Bridge (New)	m2	0.00	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	0.00	7,507	2,460	0	0	0
Maintenance of Concrete Bridge (Exist)	m2	0.00	4,417	2,375	0	0	0
(Without Overhead)			TOTAL COST (Timber Bridge)		2,633,978	434,044	3,068,022
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		2,633,978	434,044	3,068,022
(Overhead : 15%)			TOTAL COST (Timber Bridge)		3,029,075	499,151	3,528,225
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		3,029,075	499,151	3,528,225

PROV : KALIMANTAN SELATAN KAB : BANJAR

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

(Rp)

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber;Span 3m;IOT)	m2	12.00	36,412	4,083	436,944	48,996	485,940
Superstructure (Timber;Span 5m;IOT)	m2	108.00	40,332	4,508	4,355,856	486,864	4,842,720
Superstructure (Timber;Span 8m;IOT)	m2	0.00	53,420	5,921	0	0	0
Superstructure (Timber;Span 3m;BMSO)	m2	0.00	45,149	5,048	0	0	0
Superstructure (Timber;Span 5m;BMSO)	m2	0.00	49,290	5,469	0	0	0
Superstructure (Timber;Span 8m;BMSO)	m2	0.00	62,512	6,923	0	0	0
Superstructure (Concrete;Span 3m;BMSO)	m2	0.00	43,442	85,218	0	0	0
Superstructure (Concrete;Span 5m;BMSO)	m2	0.00	44,766	95,130	0	0	0
Superstructure (Concrete;Span 8m;BMSO)	m2	0.00	46,228	103,557	0	0	0
Superstructure (Concrete;Span 10m;BMSO)	m2	0.00	50,653	117,519	0	0	0
Superstructure (Concrete;Span 15m;BMSO)	m2	0.00	54,835	138,305	0	0	0
Substructure (Pier;for Timber;IOT)	NO	5.00	317,235	37,989	1,586,175	189,945	1,776,120
Substructure (Abut;for Timber;IOT)	NO	6.00	913,669	171,942	5,482,014	1,031,652	6,513,666
Substructure (Pier;for Timber;BMSO)	NO	0.00	466,567	56,232	0	0	0
Substructure (Abut;for Timber;BMSO)	NO	0.00	1,026,452	192,037	0	0	0
Substructure (Pier;for Concrete;BMSO)	NO	0.00	1,647,543	467,119	0	0	0
Substructure (Abut;for Concrete;BMSO)	NO	0.00	3,478,338	982,678	0	0	0
Demolition of Bridge (Timber->Timber)	m2	60.00	10,350	1,551	621,000	93,060	714,060
Demolition of Bridge (Timber->Concrete)	m2	0.00	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)	m2	120.00	6,882	1,232	825,840	147,840	973,680
Maintenance of Concrete Bridge (New)	m2	0.00	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	48.00	7,567	2,460	360,336	118,080	478,416
Maintenance of Concrete Bridge (Exist)	m2	0.00	4,417	2,375	0	0	0
(Without Overhead)			TOTAL COST (Timber Bridge)		12,481,989	1,850,517	14,332,506
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		12,481,989	1,850,517	14,332,506
(Overhead : 15%)			TOTAL COST (Timber Bridge)		14,354,287	2,128,095	16,482,382
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		14,354,287	2,128,095	16,482,382

PROJ : RGT MONTAN SELATAN KAD : BANTAR

LINK NO : 00 (LID-1) LENGTH : 10 Km

(Rp)

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber; Span 3m; 101)	m2	0.00	36,412	4,003	0	0	0
Superstructure (Timber; Span 5m; 101)	m2	132.00	40,332	4,500	5,323,024	595,056	5,910,800
Superstructure (Timber; Span 8m; 101)	m2	52.00	53,420	5,921	2,777,840	307,872	3,085,732
Superstructure (Timber; Span 3m; RH50)	m2	0.00	45,149	5,048	0	0	0
Superstructure (Timber; Span 5m; RH50)	m2	0.00	49,270	5,467	0	0	0
Superstructure (Timber; Span 8m; RH50)	m2	0.00	62,512	6,923	0	0	0
Superstructure (Concrete; Span 3m; RH50)	m2	0.00	43,442	85,218	0	0	0
Superstructure (Concrete; Span 5m; RH50)	m2	0.00	44,766	95,130	0	0	0
Superstructure (Concrete; Span 8m; RH50)	m2	0.00	46,228	103,557	0	0	0
Superstructure (Concrete; Span 10m; RH50)	m2	0.00	50,653	117,519	0	0	0
Superstructure (Concrete; Span 15m; RH50)	m2	0.00	54,035	138,305	0	0	0
Substructure (Pier; for Timber; 101)	NO	4.00	317,235	37,989	1,268,940	151,956	1,420,876
Substructure (Abut; for Timber; 101)	NO	10.00	913,667	171,942	9,136,690	1,719,420	10,856,110
Substructure (Pier; for Timber; RH50)	NO	0.00	466,567	56,232	0	0	0
Substructure (Abut; for Timber; RH50)	NO	0.00	1,026,452	192,037	0	0	0
Substructure (Pier; for Concrete; RH50)	NO	0.00	1,647,543	467,119	0	0	0
Substructure (Abut; for Concrete; RH50)	NO	0.00	3,478,338	992,678	0	0	0
Demolition of Bridge (Timber->Timber)	m2	0.00	10,350	1,551	0	0	0
Demolition of Bridge (Timber->Concrete)	m2	0.00	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)	m2	184.00	6,882	1,232	1,266,288	226,688	1,492,976
Maintenance of Concrete Bridge (New)	m2	0.00	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	81.60	7,507	2,460	612,571	200,736	813,307
Maintenance of Concrete Bridge (Exist)	m2	0.00	4,417	2,375	0	0	0
(Without Overhead)			TOTAL COST (Timber Bridge)		18,507,294	2,774,324	21,281,618
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		18,507,294	2,774,324	21,281,618
(Overhead : 15%)			TOTAL COST (Timber Bridge)		21,283,388	3,190,473	24,473,861
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		21,283,388	3,190,473	24,473,861

PROJ : EQUILIBRIUM SELATAN KAR : BANJAR
 LENC NO : 99 (LEIB-1) LENGTH : 3 Km

(Rp)

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber; Span 3m; 101)	m2	0.00	36,412	4,093	0	0	0
Superstructure (Timber; Span 5m; 101)	m2	0.00	40,332	4,508	0	0	0
Superstructure (Timber; Span 8m; 101)	m2	0.00	53,420	5,921	0	0	0
Superstructure (Timber; Span 3m; RH50)	m2	0.00	45,149	5,048	0	0	0
Superstructure (Timber; Span 5m; RH50)	m2	0.00	49,290	5,469	0	0	0
Superstructure (Timber; Span 8m; RH50)	m2	0.00	62,512	6,923	0	0	0
Superstructure (Concrete; Span 3m; RH50)	m2	0.00	43,442	85,218	0	0	0
Superstructure (Concrete; Span 5m; RH50)	m2	0.00	44,766	95,130	0	0	0
Superstructure (Concrete; Span 8m; RH50)	m2	0.00	46,228	103,557	0	0	0
Superstructure (Concrete; Span 10m; RH50)	m2	0.00	50,653	117,519	0	0	0
Superstructure (Concrete; Span 15m; RH50)	m2	0.00	54,835	139,305	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	913,649	171,942	0	0	0
Substructure (Pier; for Timber; RH50)	NO	0.00	466,567	56,232	0	0	0
Substructure (Abut; for Timber; RH50)	NO	0.00	1,026,452	192,037	0	0	0
Substructure (Pier; for Concrete; RH50)	NO	0.00	1,647,543	467,119	0	0	0
Substructure (Abut; for Concrete; RH50)	NO	0.00	3,478,339	982,678	0	0	0
Demolition of Bridge (Timber->Timber)	m2	0.00	10,350	1,551	0	0	0
Demolition of Bridge (Timber->Concrete)	m2	0.00	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)	m2	0.00	6,882	1,232	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.00	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	12.00	7,507	2,460	90,084	23,520	119,604
Maintenance of Concrete Bridge (Exist)	m2	0.00	4,417	2,375	0	0	0
<hr/>							
(Without Overhead)		TOTAL COST (Timber Bridge)			0	0	0
		(Concrete Bridge)			0	0	0
		TOTAL COST (without Maintenance)			0	0	0
<hr/>							
(Overhead : 15%)		TOTAL COST (Timber Bridge)			0	0	0
		(Concrete Bridge)			0	0	0
		TOTAL COST (without Maintenance)			0	0	0

PROJ : REALIGNMENT SELAYAN KAB : BOMBOR

LINE NO : 095 (L11D-1) LENGTH : 2 Km

(Rp)

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber; Span 3m; 101)	m2	0.00	36,412	4,083	0	0	0
Superstructure (Timber; Span 5m; 101)	m2	0.00	40,332	4,508	0	0	0
Superstructure (Timber; Span 8m; 101)	m2	0.00	53,420	5,921	0	0	0
Superstructure (Timber; Span 3m; BHSO)	m2	0.00	45,149	5,048	0	0	0
Superstructure (Timber; Span 5m; BHSO)	m2	0.00	49,290	5,469	0	0	0
Superstructure (Timber; Span 8m; BHSO)	m2	0.00	62,512	6,923	0	0	0
Superstructure (Concrete; Span 3m; BHSO)	m2	0.00	43,442	85,218	0	0	0
Superstructure (Concrete; Span 5m; BHSO)	m2	0.00	44,766	95,130	0	0	0
Superstructure (Concrete; Span 8m; BHSO)	m2	0.00	46,228	103,557	0	0	0
Superstructure (Concrete; Span 10m; BHSO)	m2	0.00	50,653	117,519	0	0	0
Superstructure (Concrete; Span 15m; BHSO)	m2	0.00	54,835	138,305	0	0	0
Substructure (Pier; for Timber; 101)	m0	0.00	317,235	37,987	0	0	0
Substructure (Abut; for Timber; 101)	m0	0.00	913,669	171,742	0	0	0
Substructure (Pier; for Timber; BHSO)	m0	0.00	466,567	56,732	0	0	0
Substructure (Abut; for Timber; BHSO)	m0	0.00	1,026,452	192,037	0	0	0
Substructure (Pier; for Concrete; BHSO)	m0	0.00	1,647,543	467,119	0	0	0
Substructure (Abut; for Concrete; BHSO)	m0	0.00	3,478,339	982,678	0	0	0
Demolition of Bridge (Timber->Timber)	m2	0.00	10,350	1,551	0	0	0
Demolition of Bridge (Timber->Concrete)	m2	0.00	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)	m2	0.00	6,882	1,232	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.00	1,759	2,656	0	0	0
Maintenance of Timber Bridge (Exist)	m2	60.00	7,507	2,460	450,420	147,600	598,020
Maintenance of Concrete Bridge (Exist)	m2	0.00	4,417	2,375	0	0	0

(Without Overhead)	TOTAL COST (Timber Bridge)				0	0	0
	(Concrete Bridge)				0	0	0
	TOTAL COST (without Maintenance)				0	0	0

(Overhead : 15%)	TOTAL COST (Timber Bridge)				0	0	0
	(Concrete Bridge)				0	0	0
	TOTAL COST (without Maintenance)				0	0	0

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