

PROV : KALIMANTAN SELATAN KAB : TANAH LAUT  
 LINK NO : 22 (IIIB-2) LENGTH : 8 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 <sup>2</sup>	0.0	158	91	0	0	0
Subgrade Preparation	m <sup>2</sup>	64000.0	20	11	1,280,000	704,000	1,984,000
Normal Fill	m <sup>3</sup>	0.0	1,627	863	0	0	0
Fill in Swamp	m <sup>3</sup>	0.0	2,419	1,052	0	0	0
Normal Excavation to Spoil	m <sup>3</sup>	7478.0	952	522	7,119,056	3,903,516	11,022,572
Sub Base Course	m <sup>3</sup>	4480.0	3,072	1,347	13,762,560	6,034,560	19,797,120
Base Course	m <sup>3</sup>	1920.0	4,222	2,299	8,106,240	4,414,080	12,520,320
Shoulder	m <sup>2</sup>	32000.0	285	146	9,120,000	4,672,000	13,792,000
Asphalt Patching	m <sup>2</sup>	0.0	3,475	1,343	0	0	0
Surface Dressing (Single)	m <sup>2</sup>	0.0	590	552	0	0	0
Surface Dressing (Double)	m <sup>2</sup>	0.0	736	868	0	0	0
Earth Drain	m	800.0	829	119	663,200	95,200	758,400
Earth Drain in Swamp (by machine)	m <sup>3</sup>	0.0	1,145	474	0	0	0
Pipe Culvert 800cm	m	6.0	42,020	40,911	252,120	245,466	497,586
Masonry Culvert (80x80cm)	m	0.0	58,043	35,333	0	0	0
Retaining Wall and Wing Wall (Timber)	m <sup>2</sup>	0.0	8,258	246	0	0	0
Retaining Wall and Wing Wall (Masonry)	m <sup>3</sup>	0.0	39,839	11,488	0	0	0
Gabion Protection	m <sup>3</sup>	0.0	9,866	120	0	0	0
New Bridge (Timber)	SET	1.0	--	--	0	0	0
New Bridge (Concrete)	SET	1.0	--	--	0	0	0
			Sub Total		40,303,176	20,068,822	60,371,998
Overhead ( 15% )					6,045,476	3,010,323	9,055,799
			TOTAL COST		46,348,652	23,079,145	69,427,797

Manual routine maintenance of road	Km	8.0	134,060	7,248	1,072,480	57,984	1,130,464
Routine maintenance of gravel road	Km	8.0	183,853	88,047	1,470,824	704,376	2,175,200
			Sub Total		2,543,304	762,360	3,305,664
Maintenance of Timber Bridge (New)	m <sup>2</sup>	0.0	6,027	1,455	0	0	0
Maintenance of Concrete Bridge (New)	m <sup>2</sup>	0.0	1,585	2,522	0	0	0
Maintenance of Timber Bridge (Exist)	m <sup>2</sup>	208.0	6,602	2,571	1,373,216	534,768	1,907,984
Maintenance of Concrete Bridge (Exist)	m <sup>2</sup>	0.0	3,906	2,348	0	0	0

Earthwork & Pavement Unit Cost (Rp/Km)	:	8,678,475
Timber Bridge Unit Cost (Rp/m <sup>2</sup> )	:	
Concrete Bridge Unit Cost (Rp/m <sup>2</sup> )	:	
Survived Value (Rp)	:	9,898,560
Maintenance Rate without Bridge (X)	:	4.76
New Bridge Cost Rate (X)	:	

PROV : KALIMANTAN SELATAN KAB : TANAH LAUT  
 LINK NO : 21 (IIIB-1) LENGTH : 20 Km  
 UPGRADE : 8.0m 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	0.0	158	91	0	0	0	
Subgrade Preparation	m2	128000.0	20	11	2,560,000	1,408,000	3,968,000	
Normal Fill	m3	0.0	1,627	863	0	0	0	
Fill in Swamp	m3	0.0	2,419	1,052	0	0	0	
Normal Excavation to Spoil	m3	10412.0	952	522	9,912,224	5,435,064	15,347,288	
Sub Base Course	m3	8960.0	3,072	1,347	27,525,120	12,069,120	39,594,240	
Base Course	m3	4480.0	4,222	2,299	18,914,560	10,299,520	29,214,080	
Shoulder	m2	80000.0	285	146	22,800,000	11,680,000	34,480,000	
Asphalt Patching	m2	76.0	3,475	1,343	264,100	102,068	366,168	
Surface Dressing (Single)	m2	80000.0	590	552	47,200,000	44,160,000	91,360,000	
Surface Dressing (Double)	m2	0.0	736	868	0	0	0	
Earth Drain	m	2100.0	829	119	1,740,900	249,900	1,990,800	
Earth Drain in Swamp (by machine)	m3	0.0	1,145	474	0	0	0	
Pipe Culvert Ø80cm	m	4.0	42,020	40,911	168,080	163,644	331,724	
Masonry Culvert (80x80cm)	m	0.0	55,043	35,333	0	0	0	
Retaining Wall and Wing Wall (Timber)	m2	0.0	8,258	246	0	0	0	
Retaining Wall and Wing Wall (Masonry)	m3	0.0	39,839	11,488	0	0	0	
Babion Protection	m3	0.0	9,866	120	0	0	0	
New Bridge (Timber)	SET	1.0	--	--	0	0	0	
New Bridge (Concrete)	SET	1.0	--	--	0	0	0	
					Sub Total	131,084,984	85,567,316	216,652,300
Overhead (15%)						19,662,747	12,835,097	32,497,844
					TOTAL COST	150,747,731	98,402,413	249,150,144

Manual routine maintenance of road	Km	20.0	134,060	7,248	2,681,200	144,960	2,826,160	
Routine maintenance of asphalt road	Km	20.0	347,500	134,300	6,950,000	2,686,000	9,636,000	
					Sub Total	7,631,200	2,830,960	12,462,160
Maintenance of Timber Bridge (New)	m2	0.0	6,027	1,455	0	0	0	
Maintenance of Concrete Bridge (New)	m2	0.0	1,565	2,522	0	0	0	
Maintenance of Timber Bridge (Exist)	m2	450.5	6,602	2,571	2,974,201	1,158,235	4,132,436	
Maintenance of Concrete Bridge (Exist)	m2	0.0	3,906	2,348	0	0	0	

Earthwork & Pavement Unit Cost (Rp/Ka)	:	12,457,507
Timber Bridge Unit Cost (Rp/m2)	:	
Concrete Bridge Unit Cost (Rp/m2)	:	
Survived Value (Rp)	:	33,558,784
Maintenance Rate without Bridge (Z)	:	5.00
New Bridge Cost Rate (Z)	:	

PROV : KALIMANTAN SELATAN KAB : TANAH LAUT  
 LINK NO : 17 (IIIB-2) LENGTH : 23 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	158	91	0	0	0	
Subgrade Preparation	m2	160000.0	20	11	3,200,000	1,760,000	4,960,000	
Normal Fill	m3	0.0	1,627	863	0	0	0	
Fill in Swamp	m3	0.0	2,419	1,052	0	0	0	
Normal Excavation to Spoil	m3	11474.0	952	522	10,923,248	5,989,428	16,912,676	
Sub Base Course	m3	11200.0	3,072	1,347	34,406,400	15,086,400	49,492,800	
Base Course	m3	4800.0	4,222	2,299	20,265,600	11,035,200	31,300,800	
Shoulder	m2	92000.0	285	146	26,220,000	13,432,000	39,652,000	
Asphalt Patching	m2	42.0	3,475	1,343	145,950	56,406	202,356	
Surface Dressing (Single)	m2	0.0	590	552	0	0	0	
Surface Dressing (Double)	m2	0.0	736	868	0	0	0	
Earth Drain	m	400.0	829	119	331,600	47,600	379,200	
Earth Drain in Swamp (by machine)	m3	0.0	1,145	474	0	0	0	
Pipe Culvert D80cm	m	0.0	42,020	40,911	0	0	0	
Masonry Culvert (80x80cm)	m	0.0	55,043	35,333	0	0	0	
Retaining Wall and Wing Wall (Timber)	m2	0.0	8,258	246	0	0	0	
Retaining Wall and Wing Wall (Masonry)	m3	0.0	39,839	11,488	0	0	0	
Gabion Protection	m3	0.0	9,866	120	0	0	0	
New Bridge (Timber)	SET	1.0	--	--	0	0	0	
New Bridge (Concrete)	SET	1.0	--	--	0	0	0	
					Sub Total	95,492,798	47,407,034	142,899,832
Overhead (15%)						14,323,919	7,111,055	21,434,974
					TOTAL COST	109,816,717	54,518,089	164,334,806

Manual routine maintenance of road	Km	23.0	134,060	7,248	3,083,380	166,704	3,250,084
Routine maintenance of gravel road	Km	23.0	183,853	88,047	4,228,619	2,025,081	6,253,700
			Sub Total		7,311,999	2,191,785	9,503,784
Maintenance of Timber Bridge (New)	m2	0.0	6,027	1,455	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.0	1,585	2,522	0	0	0
Maintenance of Timber Bridge (Exist)	m2	668.0	6,602	2,571	4,410,136	1,717,428	6,127,564
Maintenance of Concrete Bridge (Exist)	m2	0.0	3,906	2,348	0	0	0

Earthwork & Pavement	Unit Cost	(Rp/Km)	:	7,144,992
Timber Bridge	Unit Cost	(Rp/m2)	:	
Concrete Bridge	Unit Cost	(Rp/m2)	:	
Survived Value	Value	(Rp)	:	21,746,400
Maintenance Rate without Bridge	(%)	:		5.78
New Bridge Cost Rate	(%)	:		

PROV : KALIMANTAN SELATAN KAB : TANAH LAUT

LINK NO : 15 (IIIC) LENGTH : 14 Km

UPGRADE : 8.0m 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	m2	0.0	158	91	0	0	0	
Subgrade Preparation	m2	112000.0	20	11	2,240,000	1,232,000	3,472,000	
Normal Fill	m3	0.0	1,627	863	0	0	0	
Fill in Swamp	m3	0.0	2,419	1,052	0	0	0	
Normal Excavation to Spoil	m3	3312.0	952	522	3,153,024	1,728,864	4,881,888	
Sub Base Course	m3	8960.0	3,072	1,347	27,525,120	12,069,120	39,594,240	
Base Course	m3	0.0	4,222	2,299	0	0	0	
Shoulder	m2	56000.0	285	146	15,960,000	8,176,000	24,136,000	
Asphalt Patching	m2	0.0	3,475	1,343	0	0	0	
Surface Dressing (Single)	m2	0.0	590	552	0	0	0	
Surface Dressing (Double)	m2	0.0	736	868	0	0	0	
Earth Drain	m	200.0	829	119	165,800	23,800	189,600	
Earth Drain in Swamp (by machine)	m3	0.0	1,145	474	0	0	0	
Pipe Culvert D80cm	m	18.0	42,020	40,911	756,360	736,398	1,492,758	
Masonry Culvert (80x80cm)	m	0.0	55,043	35,333	0	0	0	
Retaining Wall and Wing Wall (Timber)	m2	0.0	8,258	246	0	0	0	
Retaining Wall and Wing Wall (Masonry)	m3	3.2	39,839	11,488	127,484	36,761	164,245	
Gabion Protection	m3	0.0	9,866	120	0	0	0	
New Bridge (Timber)	SET	1.0	--	--	11,593,828	2,033,425	13,627,253	
New Bridge (Concrete)	SET	1.0	--	--	0	0	0	
					Sub Total	61,521,616	26,038,368	87,557,984
Overhead (15%)						9,228,242	3,905,455	13,133,697
					TOTAL COST	70,749,858	29,941,823	100,691,681

Manual routine maintenance of road	Km	14.0	134,060	7,248	1,876,840	101,472	1,978,312
Routine maintenance of gravel road	Km	14.0	183,853	88,047	2,573,942	1,232,658	3,806,600
			Sub Total		4,450,782	1,334,130	5,784,912
Maintenance of Timber Bridge (New)	m2	184.0	6,027	1,455	1,108,968	267,720	1,376,688
Maintenance of Concrete Bridge (New)	m2	0.0	1,585	2,522	0	0	0
Maintenance of Timber Bridge (Exist)	m2	140.0	6,602	2,571	924,280	359,940	1,284,220
Maintenance of Concrete Bridge (Exist)	m2	0.0	3,906	2,348	0	0	0

Earthwork & Pavement Unit Cost	(Rp/Km)	:	6,072,881
Timber Bridge Unit Cost	(Rp/m2)	:	85,170
Concrete Bridge Unit Cost	(Rp/m2)	:	
Survived Value	(Rp)	:	15,837,696
Maintenance Rate without Bridge	(%)	:	6.80
New Bridge Cost Rate	(%)	:	15.56

PROV : KALIMANTAN SELATAN KAB : TANAH LAUT  
 LINK NO : 16 (IIB-2) LENGTH : 16 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	150	91	0	0	0	
Subgrade Preparation	m2	112000.0	20	11	2,240,000	1,232,000	3,472,000	
Normal Fill	m3	0.0	1,627	863	0	0	0	
Fill in Swamp	m3	0.0	2,419	1,052	0	0	0	
Normal Excavation to Spoil	m3	3020.0	952	522	2,875,040	1,576,440	4,451,480	
Sub Base Course	m3	8152.0	3,072	1,347	25,042,944	10,980,744	36,023,688	
Base Course	m3	3840.0	4,222	2,299	16,212,480	8,828,160	25,040,640	
Shoulder	m2	64000.0	285	146	18,240,000	9,344,000	27,584,000	
Asphalt Patching	m2	0.0	3,475	1,343	0	0	0	
Surface Dressing (Single)	m2	0.0	590	552	0	0	0	
Surface Dressing (Double)	m2	0.0	736	868	0	0	0	
Earth Drain	m	4800.0	829	119	3,979,200	571,200	4,550,400	
Earth Drain in Swamp (by machine)	m3	0.0	1,145	474	0	0	0	
Pipe Culvert DB0ca	m	6.0	42,020	40,911	252,120	245,466	497,586	
Masonry Culvert (80x80ca)	m	0.0	55,043	35,333	0	0	0	
Retaining Wall and Wing Wall (Timber)	m2	0.0	8,258	246	0	0	0	
Retaining Wall and Wing Wall (Masonry)	m3	0.0	39,839	11,488	0	0	0	
Gabion Protection	m3	0.0	9,866	120	0	0	0	
New Bridge (Timber)	SET	1.0	--	--	0	0	0	
New Bridge (Concrete)	SET	1.0	--	--	0	0	0	
					Sub Total	68,841,784	32,770,010	101,611,794
Overhead ( 15% )						10,326,267	4,916,701	15,242,968
					TOTAL COST	79,168,051	37,686,711	116,854,762

Manual routine maintenance of road	Ka	16.0	134,060	7,248	2,144,960	115,968	2,260,928
Routine maintenance of gravel road	Ka	16.0	183,853	88,047	2,941,648	1,408,752	4,350,400
			Sub Total		5,086,608	1,524,720	6,611,328
Maintenance of Timber Bridge (New)	m2	0.0	6,027	1,455	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.0	1,585	2,522	0	0	0
Maintenance of Timber Bridge (Exist)	m2	348.0	6,602	2,571	2,297,496	894,708	3,192,204
Maintenance of Concrete Bridge (Exist)	m2	0.0	3,906	2,348	0	0	0

Earthwork & Pavement Unit Cost (Rp/Km)	:	7,303,923
Timber Bridge Unit Cost (Rp/m2)	:	
Concrete Bridge Unit Cost (Rp/m2)	:	
Survived Value (Rp)	:	18,011,844
Maintenance Rate without Bridge (%)	:	5.66
New Bridge Cost Rate (%)	:	

PROV : KALIMANTAN SELATAN KAB : TANAH LAUT

LINK NO : 13 (IIIB-2) LENGTH : 10 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 <sup>2</sup>	0.0	158	91	0	0	0
Subgrade Preparation	m <sup>2</sup>	70000.0	20	11	1,400,000	770,000	2,170,000
Normal Fill	m <sup>3</sup>	0.0	1,627	863	0	0	0
Fill in Swamp	m <sup>3</sup>	0.0	2,419	1,052	0	0	0
Normal Excavation to Spoil	m <sup>3</sup>	9096.0	952	522	8,659,392	4,748,112	13,407,504
Sub Base Course	m <sup>3</sup>	5600.0	3,072	1,347	17,203,200	7,543,200	24,746,400
Base Course	m <sup>3</sup>	2400.0	4,222	2,299	10,132,800	5,517,600	15,650,400
Shoulder	m <sup>2</sup>	30000.0	285	146	8,550,000	4,380,000	12,930,000
Asphalt Patching	m <sup>2</sup>	0.0	3,475	1,343	0	0	0
Surface Dressing (Single)	m <sup>2</sup>	0.0	590	552	0	0	0
Surface Dressing (Double)	m <sup>2</sup>	0.0	736	868	0	0	0
Earth Drain	m	300.0	829	119	248,700	35,700	284,400
Earth Drain in Swamp (by machine)	m <sup>3</sup>	0.0	1,145	474	0	0	0
Pipe Culvert Ø80cm	m	48.0	42,020	40,911	2,016,960	1,963,728	3,980,688
Masonry Culvert (80x80cm)	m	0.0	55,043	35,333	0	0	0
Retaining Wall and Wing Wall (Timber)	m <sup>2</sup>	0.0	9,258	246	0	0	0
Retaining Wall and Wing Wall (Masonry)	m <sup>3</sup>	12.8	39,839	11,488	509,939	147,046	656,985
Gabion Protection	m <sup>3</sup>	0.0	9,866	120	0	0	0
New Bridge (Timber)	SET	1.0	--	--	0	0	0
New Bridge (Concrete)	SET	1.0	--	--	0	0	0
Sub Total					48,720,991	25,105,386	73,826,377
Overhead (15%)					7,308,148	3,765,807	11,073,955
TOTAL COST					56,029,139	28,871,193	84,900,332

Manual routine maintenance of road	Km	10.0	134,060	7,248	1,340,600	72,480	1,413,080
Routine maintenance of gravel road	Km	10.0	183,853	88,047	1,838,530	880,470	2,719,000
Sub Total					3,179,130	952,950	4,132,080
Maintenance of Timber Bridge (New)	m <sup>2</sup>	0.0	6,027	1,455	0	0	0
Maintenance of Concrete Bridge (New)	m <sup>2</sup>	0.0	1,585	2,522	0	0	0
Maintenance of Timber Bridge (Exist)	m <sup>2</sup>	120.0	6,602	2,571	792,240	308,520	1,100,760
Maintenance of Concrete Bridge (Exist)	m <sup>2</sup>	0.0	3,906	2,348	0	0	0

Earthwork & Pavement	Unit Cost (Rp/Km)	:	8,490,033
Timber Bridge	Unit Cost (Rp/m <sup>2</sup> )	:	
Concrete Bridge	Unit Cost (Rp/m <sup>2</sup> )	:	
Survived Value	(Rp)	:	12,373,200
Maintenance Rate without Bridge	(%)	:	4.87
New Bridge Cost Rate	(%)	:	

PROV : KALIMANTAN SELATAN KAB : TANAH LAUT

LINK NO : 10 (IIIB-2) LENGTH : 12 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 <sup>2</sup>	0.0	158	91	0	0	0	
Subgrade Preparation	m <sup>2</sup>	96000.0	20	11	1,920,000	1,056,000	2,976,000	
Normal Fill	m <sup>3</sup>	0.0	1,627	863	0	0	0	
Fill in Swamp	m <sup>3</sup>	0.0	2,419	1,052	0	0	0	
Normal Excavation to Spoil	m <sup>3</sup>	8623.0	932	522	8,209,096	4,501,206	12,710,302	
Sub Base Course	m <sup>3</sup>	6720.0	3,072	1,347	20,643,840	9,051,840	29,695,680	
Base Course	m <sup>3</sup>	2880.0	4,222	2,299	12,159,360	6,621,120	18,780,480	
Shoulder	m <sup>2</sup>	48000.0	285	146	13,680,000	7,008,000	20,688,000	
Asphalt Patching	m <sup>2</sup>	0.0	3,475	1,343	0	0	0	
Surface Dressing (Single)	m <sup>2</sup>	0.0	590	552	0	0	0	
Surface Dressing (Double)	m <sup>2</sup>	0.0	736	868	0	0	0	
Earth Drain	m	0.0	829	119	0	0	0	
Earth Drain in Swamp (by machine)	m <sup>3</sup>	0.0	1,145	474	0	0	0	
Pipe Culvert 880cm	m	12.0	42,020	40,911	504,240	490,932	995,172	
Masonry Culvert 180x80cm	m	0.0	55,043	35,333	0	0	0	
Retaining Wall and Wing Wall (Timber)	m <sup>2</sup>	0.0	8,258	246	0	0	0	
Retaining Wall and Wing Wall (Masonry)	m <sup>3</sup>	3.2	39,839	11,488	127,484	36,761	164,245	
Gabion Protection	m <sup>3</sup>	0.0	9,866	120	0	0	0	
New Bridge (Timber)	SET	1.0	--	--	0	0	0	
New Bridge (Concrete)	SET	1.0	--	--	0	0	0	
					Sub Total	57,244,020	28,765,859	86,009,879
Overhead (15%)						8,586,603	4,314,878	12,901,481
					TOTAL COST	65,830,623	33,080,737	98,911,360
Manual routine maintenance of road	Km	12.0	134,060	7,248	1,608,720	86,976	1,695,696	
Routine maintenance of gravel road	Km	12.0	183,853	88,047	2,206,236	1,056,564	3,262,800	
			Sub Total		3,814,956	1,143,540	4,958,496	
Maintenance of Timber Bridge (New)	m <sup>2</sup>	0.0	6,027	1,455	0	0	0	
Maintenance of Concrete Bridge (New)	m <sup>2</sup>	0.0	1,585	2,522	0	0	0	
Maintenance of Timber Bridge (Exist)	m <sup>2</sup>	284.0	6,602	2,571	1,874,968	730,164	2,605,132	
Maintenance of Concrete Bridge (Exist)	m <sup>2</sup>	0.0	3,906	2,348	0	0	0	
Earthwork & Pavement	Unit Cost (Rp/Km)	:					8,242,613	
Timber Bridge	Unit Cost (Rp/m <sup>2</sup> )	:						
Concrete Bridge	Unit Cost (Rp/m <sup>2</sup> )	:						
Survived Value	(Rp)	:					14,847,840	
Maintenance Rate without Bridge	(%)	:					5.01	
New Bridge Cost Rate	(%)	:						

PROV : KALIMANTAN SELATAN KAB : TANAH LAUT

LINK NO : 9 (IIIC) LENGTH : 7 Km

UPGRADE : 10.0m 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	m2	0.0	158	91	0	0	0	
Subgrade Preparation	m2	60000.0	20	11	1,200,000	660,000	1,860,000	
Normal Fill	m3	0.0	1,627	863	0	0	0	
Fill in Swamp	m3	0.0	2,419	1,052	0	0	0	
Normal Excavation to Spoil	m3	1244.0	952	522	1,184,288	649,368	1,833,656	
Sub Base Course	m3	3840.0	3,072	1,347	11,796,480	5,172,480	16,968,960	
Base Course	m3	0.0	4,222	2,299	0	0	0	
Shoulder	m2	42000.0	285	146	11,970,000	6,132,000	18,102,000	
Asphalt Patching	m2	75.0	3,475	1,343	260,625	100,725	361,350	
Surface Dressing (Single)	m2	0.0	590	552	0	0	0	
Surface Dressing (Double)	m2	0.0	736	868	0	0	0	
Earth Drain	m	0.0	829	119	0	0	0	
Earth Drain in Swamp (by machine)	m3	0.0	1,145	474	0	0	0	
Pipe Culvert D80cm	m	0.0	42,020	40,911	0	0	0	
Masonry Culvert (80x80cm)	m	0.0	55,043	35,333	0	0	0	
Retaining Wall and Wing Wall (Timber)	m2	0.0	8,258	246	0	0	0	
Retaining Wall and Wing Wall (Masonry)	m3	0.0	39,839	11,488	0	0	0	
Gabion Protection	m3	0.0	9,866	120	0	0	0	
New Bridge (Timber)	SET	1.0	--	--	0	0	0	
New Bridge (Concrete)	SET	1.0	--	--	0	0	0	
					26,411,393	12,714,573	39,125,966	
Overhead ( 15% )					3,961,708	1,907,185	5,868,893	
					<b>TOTAL COST</b>	<b>30,373,101</b>	<b>14,621,758</b>	<b>44,994,859</b>
Manual routine maintenance of road	Km	7.0	134,060	7,249	938,420	50,736	989,156	
Routine maintenance of gravel road	Km	7.0	183,853	88,047	1,286,971	616,329	1,903,300	
					Sub Total	2,225,391	867,065	2,892,456
Maintenance of Timber Bridge (New)	m2	0.0	6,027	1,455	0	0	0	
Maintenance of Concrete Bridge (New)	m2	0.0	1,585	2,522	0	0	0	
Maintenance of Timber Bridge (Exist)	m2	176.0	6,602	2,571	1,161,952	452,496	1,614,448	
Maintenance of Concrete Bridge (Exist)	m2	0.0	3,906	2,348	0	0	0	
					Earthwork & Pavement Unit Cost (Rp/Km)	:	6,427,837	
					Timber Bridge Unit Cost (Rp/m2)	:		
					Concrete Bridge Unit Cost (Rp/m2)	:		
					Survived Value (Rp)	:	6,787,584	
					Maintenance Rate without Bridge (%)	:	6.43	
					New Bridge Cost Rate (%)	:		



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

PROV : KALIMANTAN SELATAN      KAB : TANAH LAUT

I T E M	UNIT	< 1988 >	< 1989 >	< 1990 >	< 1991 >	< 1992 >	< TOTAL >
<b>EQUIPMENT :</b>							
Bulldozer/Ripper	hr	296.7	957.0	1483.3	1366.5	1231.2	5334.7
Swamp Bulldozer	hr	0.0	0.0	0.0	0.0	58.0	58.0
Motor Grader	hr	524.9	1870.3	2397.0	3091.8	2244.5	10128.5
Hand-guide Vib. Roller	hr	7.0	21.4	33.6	173.3	111.0	346.3
Tire Roller	hr	333.3	333.3	0.0	0.0	0.0	666.6
Vibratory Roller (D&T)	hr	405.4	1471.2	1929.9	2545.7	1921.1	8273.3
Hydraulic Excavator; Wheel	hr	0.0	0.0	0.0	0.0	900.0	900.0
Wheel Loader	hr	687.3	2106.5	2974.9	3199.4	2638.8	11606.9
Water Tank Truck	hr	233.4	815.8	1121.7	1464.6	1128.3	4763.8
Dump Truck	hr	4774.0	15182.5	20672.8	24671.0	20209.4	85509.7
Flat Bed Truck with Crane	hr	1.6	1.6	30.9	250.8	109.6	394.5
Flat Bed Truck	hr	400.5	400.5	11.7	59.7	39.9	912.3
Portable Crusher/Screening	hr	115.5	243.2	254.7	221.3	136.5	971.2
Concrete Mixer	hr	0.3	0.3	8.0	21.9	15.6	46.1
Water Pump	hr	0.3	0.3	7.3	18.7	14.3	40.9
Concrete Vibrator	hr	0.3	0.3	6.1	12.3	11.8	30.8
Asphalt Sprayer	hr	333.3	333.3	0.0	0.0	0.0	666.6
<b>LABOUR :</b>							
Handur	man day	310.0	837.2	1047.7	1578.1	1226.1	4999.1
Skilled Labourer	man day	205.1	214.7	27.0	1672.4	494.9	2614.1
Carpenter	man day	0.1	0.1	2.0	881.5	244.2	1127.9
Mason	man day	0.0	0.0	3.2	16.0	6.4	25.6
Labourer	man day	2724.3	6609.2	7782.0	11264.7	8763.8	37144.0
Driver	man day	969.8	2817.0	3669.6	4473.7	3620.6	15550.7
Operator	man day	535.8	1600.6	2031.6	2413.8	2002.8	8584.6
<b>MATERIAL :</b>							
Bitumen	l	68384.6	68514.2	28.3	0.0	0.0	136927.1
Asphalt Oil	l	13666.6	13666.6	0.0	0.0	0.0	27333.2
Kerosene	l	16339.0	16353.4	3.1	0.0	0.0	32695.5
Sand	m <sup>3</sup>	202.5	204.9	31.8	65.7	60.3	565.2
Cement	bag	5.0	5.0	91.2	186.0	174.9	462.1
River Stone	m <sup>3</sup>	0.0	0.0	3.2	16.0	6.4	25.6
Steel Houlds	set	2.0	2.0	36.0	72.0	69.0	181.0
Timber	m <sup>3</sup>	0.0	0.0	0.0	79.7	21.8	101.5
Paint	l	0.0	0.0	0.0	497.7	152.8	650.5
Reinforcing Steel	kg	63.8	63.8	1148.4	2296.8	2201.1	5773.9
Tying Wire	kg	0.5	0.5	10.4	20.8	20.0	52.2
Equivalent Royalty	m <sup>3</sup>	8446.0	27173.0	36684.6	47954.7	37546.8	157805.1

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

PRDV : KALINANTAN SELATAN      KAB : TANAH LAUT

I T E M	UNIT	< 1988 >	< 1989 >	< 1990 >	< 1991 >	< 1992 >	< TOTAL >
<b>EQUIPMENT :</b>							
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	453.0	864.0	848.0	964.5	1072.5	4202.0
Hand-guide Vib. Roller	hr	210.0	401.2	648.7	615.0	615.0	2489.9
Tire Roller	hr	453.0	864.0	848.0	964.5	1072.5	4202.0
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	32.1	62.8	101.2	182.8	271.7	650.6
Water Tank Truck	hr	0.0	0.0	0.0	0.0	0.0	0.0
Dump Truck	hr	612.8	1179.5	1904.0	2325.9	2859.5	8881.7
Flat Bed Truck with Crane	hr	2450.0	4585.3	4837.4	5281.3	5500.7	22654.7
Flat Bed Truck	hr	1965.0	3747.0	3863.0	4222.5	4570.5	18368.0
Portable Crusher/Screening	hr	16.4	32.1	51.8	92.5	136.9	329.7
Concrete Mixer	hr	0.0	0.0	0.0	0.0	0.0	0.0
Water Pump	hr	0.0	0.0	0.0	0.0	0.0	0.0
Concrete Vibrator	hr	0.0	0.0	0.0	0.0	0.0	0.0
Asphalt Sprayer	hr	0.0	0.0	0.0	0.0	0.0	0.0
<b>LABOUR :</b>							
Handor	man day	747.2	1422.3	1562.2	1681.8	1802.9	7216.4
Skilled Labourer	man day	816.9	1534.1	1769.1	1869.8	1930.7	7920.6
Carpenter	man day	363.4	679.9	717.5	783.7	816.4	3360.9
Mason	man day	0.0	0.0	0.0	0.0	0.0	0.0
Labourer	man day	8212.3	15655.0	17247.9	18478.4	19801.5	79395.1
Driver	man day	953.7	1801.9	1995.7	2221.0	2414.9	9307.2
Operator	man day	161.8	309.2	316.9	383.0	448.6	1619.5
<b>MATERIAL :</b>							
Bitumen	l	1890.0	3611.2	5838.7	5535.0	5535.0	22409.9
Asphalt Oil	l	0.0	0.0	0.0	0.0	0.0	0.0
Kerosene	l	210.0	401.2	648.7	615.0	615.0	2489.9
Sand	m <sup>3</sup>	35.0	66.8	108.1	102.5	102.5	414.9
Cement	bag	0.6	1.2	1.2	1.2	1.2	5.4
River Stone	m <sup>3</sup>	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
Timber	m <sup>3</sup>	33.0	61.7	65.2	71.2	74.2	305.3
Paint	l	235.3	440.3	464.6	507.5	528.7	2176.4
Reinforcing Steel	kg	3.3	6.6	6.6	6.6	6.6	29.7
Tying Wire	kg	0.0	0.0	0.0	0.0	0.0	0.0
Equivalent Royalty	m <sup>3</sup>	456.0	891.4	1433.7	2589.1	3849.1	9219.3

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

PROV : KALIMANTAN SELATAN      KAB : TANAH LAUT

I T E M	UNIT	< 1988 >	< 1989 >	< 1990 >	< 1991 >	< 1992 >	< TOTAL >
<b>EQUIPMENT :</b>							
Bulldozer/Ripper	hr	296.7	957.0	1483.3	1366.5	1231.2	5334.7
Swap Bulldozer	hr	0.0	0.0	0.0	0.0	58.0	58.0
Motor Grader	hr	977.9	2734.3	3245.0	4056.3	3317.0	14330.5
Hand-guide Vib. Roller	hr	217.0	422.6	682.3	788.3	726.0	2836.2
Tire Roller	hr	786.3	1197.3	848.0	964.5	1072.5	4868.6
Vibratory Roller (D&T)	hr	405.4	1471.2	1929.9	2545.7	1921.1	8273.3
Hydraulic Excavator; Wheel	hr	0.0	0.0	0.0	0.0	900.0	900.0
Wheel Loader	hr	719.4	2169.3	3076.1	3382.2	2910.5	12257.5
Water Tank Truck	hr	233.4	815.8	1121.7	1464.6	1128.3	4763.8
Dump Truck	hr	5386.8	16362.0	22576.8	26996.9	23068.9	94391.4
Flat Bed Truck with Crane	hr	2451.6	4586.9	4868.3	5532.1	5610.3	23049.2
Flat Bed Truck	hr	2365.5	4147.5	3974.7	4282.2	4610.4	19280.3
Portable Crusher/Screening	hr	131.9	275.3	306.5	313.8	273.4	1300.9
Concrete Mixer	hr	0.3	0.3	8.0	21.9	15.6	46.1
Water Pump	hr	0.3	0.3	7.3	18.7	14.3	40.9
Concrete Vibrator	hr	0.3	0.3	6.1	12.3	11.8	30.8
Asphalt Sprayer	hr	333.3	333.3	0.0	0.0	0.0	666.6
<b>LABOUR :</b>							
Manudr	man day	1057.2	2259.5	2609.9	3259.9	3029.0	12215.5
Skilled Labourer	man day	1022.0	1748.8	1796.1	3542.2	2425.6	10534.7
Carpenter	man day	363.5	680.0	719.5	1665.2	1060.6	4488.8
Mason	man day	0.0	0.0	3.2	16.0	6.4	25.6
Labourer	man day	10936.6	22264.2	25029.9	29743.1	28565.3	116539.1
Driver	man day	1923.5	4618.9	5665.3	6694.7	6035.5	24937.9
Operator	man day	697.6	1909.8	2348.5	2796.8	2451.4	10204.1
<b>MATERIAL :</b>							
Bitumen	l	70274.6	72125.4	5867.0	5535.0	5535.0	159337.0
Asphalt Oil	l	13666.6	13666.6	0.0	0.0	0.0	27333.2
Kerosene	l	16549.0	16754.6	651.8	615.0	615.0	35185.4
Sand	m <sup>3</sup>	237.5	271.7	139.9	168.2	162.8	980.1
Cement	bag	5.6	6.2	92.4	187.2	176.1	467.5
River Stone	m <sup>3</sup>	0.0	0.0	3.2	16.0	6.4	25.6
Steel Moulds	set	2.0	2.0	36.0	72.0	69.0	181.0
Timber	m <sup>3</sup>	33.0	61.7	65.2	150.9	96.0	406.8
Paint	l	235.3	440.3	464.6	1005.2	681.5	2826.9
Reinforcing Steel	kg	67.1	70.4	1155.0	2303.4	2207.7	5803.6
tying Wire	kg	0.5	0.5	10.4	20.8	20.0	52.2
Equivalent Royalty	m <sup>3</sup>	8902.0	28064.4	38118.3	50543.8	41395.9	167024.4

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

PROV : KALIMANTAN SELATAN

KAB : TANAH LAUT

( 1000 Rp )

ITEM	UNIT	< 1988 >	< 1989 >	< 1990 >	< 1991 >	< 1992 >	< TOTAL >
<b>EQUIPMENT :</b>		62,299	183,875	241,989	279,835	235,450	1,003,448
Bulldozer/Ripper	15608	4,630	14,936	23,151	21,328	19,216	83,281
Swamp Bulldozer	11488	0	0	0	0	666	666
Motor Grader	13333	6,998	24,936	31,959	41,222	29,925	135,040
Hand-guide Vib. Roller	1538	10	32	51	266	170	529
Tire Roller	10572	3,523	3,523	0	0	0	7,046
Vibratory Roller (D&T)	6659	2,699	9,796	12,851	16,951	12,792	55,089
Hydraulic Excavator; Wheel	12478	0	0	0	0	11,230	11,230
Wheel Loader	16498	11,339	34,753	49,079	52,783	43,534	191,488
Water Tank Truck	3848	898	3,139	4,316	5,635	4,341	18,329
Dump Truck	5288	25,244	80,285	109,317	130,460	106,867	452,173
Flat Bed Truck with Crane	4933	7	7	152	1,237	540	1,943
Flat Bed Truck	3234	1,295	1,295	37	193	129	2,949
Portable Crusher/Screening	43202	4,989	10,506	11,003	9,560	5,897	41,955
Concrete Mixer	8642	2	2	69	189	134	396
Water Pump	468	0	0	3	8	6	17
Concrete Vibrator	303	0	0	1	3	3	7
Asphalt Sprayer	1998	665	665	0	0	0	1,330
<b>LABOUR :</b>		10,570	27,586	33,610	50,502	37,202	159,470
Mandur	2500	775	2,093	2,619	3,945	3,065	12,497
Skilled Labourer	2250	461	483	60	3,762	1,113	5,879
Carpenter	2500	0	0	5	2,203	610	2,818
Mason	2500	0	0	8	40	16	64
Labourer	1750	4,767	11,566	13,618	19,713	15,336	65,000
Driver	2500	2,424	7,042	9,174	11,184	9,051	38,875
Operator	4000	2,143	6,402	8,126	9,655	8,011	34,337
<b>MATERIAL :</b>		35,661	40,395	10,876	22,230	14,559	123,721
Bitumen	275	18,805	18,841	7	0	0	37,653
Asphalt Oil	700	9,566	9,566	0	0	0	19,132
Kerosene	250	4,084	4,088	0	0	0	8,172
Sand	5000	1,012	1,024	159	328	301	2,824
Cement	4000	20	20	364	744	699	1,847
River Stone	5000	0	0	16	80	32	128
Steel Moulds	8000	16	16	288	576	552	1,448
Timber	60000	0	0	0	4,782	1,308	6,090
Paint	4000	0	0	0	1,990	611	2,601
Reinforcing Steel	750	47	47	861	1,722	1,650	4,327
Tying Wire	1000	0	0	10	20	20	50
Equivalent Royalty	250	2,111	6,793	9,171	11,988	9,386	39,449

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

PROV : KALIMANTAN SELATAN

KAB : TANAH LAUT

( 1000 Rp )

ITEM	UNIT	< 1988 >	< 1989 >	< 1990 >	< 1991 >	< 1992 >	< TOTAL >
<b>EQUIPMENT :</b>		34,066	64,665	71,596	83,017	94,013	347,357
Bulldozer/Ripper	15608	0	0	0	0	0	0
Swamp Bulldozer	11408	0	0	0	0	0	0
Motor Grader	13333	6,039	11,519	11,306	12,859	14,299	56,022
Hand-guide Vib. Roller	1538	322	617	997	945	945	3,826
Tire Roller	10572	4,789	9,134	8,965	10,196	11,338	44,422
Vibratory Roller (D&T)	6659	0	0	0	0	0	0
Hydraulic Excavator; Wheel	12478	0	0	0	0	0	0
Wheel Loader	16498	529	1,036	1,669	3,015	4,482	10,731
Water Tank Truck	3848	0	0	0	0	0	0
Dump Truck	5288	3,240	6,237	10,068	12,299	15,121	46,965
Flat Bed Truck with Crane	4933	12,085	22,619	23,862	26,052	27,134	111,752
Flat Bed Truck	3234	6,354	12,117	12,492	13,655	14,780	59,398
Portable Crusher/Screening	43202	708	1,386	2,237	3,996	5,914	14,241
Concrete Mixer	8642	0	0	0	0	0	0
Water Pump	468	0	0	0	0	0	0
Concrete Vibrator	303	0	0	0	0	0	0
Asphalt Sprayer	1998	0	0	0	0	0	0
<b>LABOUR :</b>		22,016	41,841	46,117	49,791	53,375	213,140
Mandur	2500	1,868	3,555	3,905	4,204	4,507	18,039
Skilled Labourer	2250	1,838	3,451	3,980	4,207	4,344	17,820
Carpenter	2500	908	1,699	1,793	1,959	2,041	8,400
Mason	2500	0	0	0	0	0	0
Labourer	1750	14,371	27,396	30,183	32,337	34,652	138,939
Driver	2500	2,384	4,504	4,989	5,552	6,037	23,466
Operator	4000	647	1,236	1,267	1,532	1,794	6,476
<b>MATERIAL :</b>		3,785	7,120	8,443	9,144	9,723	38,215
Bitumen	275	519	993	1,605	1,522	1,522	6,161
Asphalt Oil	700	0	0	0	0	0	0
Kerosene	250	52	100	162	153	153	620
Sand	5000	175	334	540	512	512	2,073
Cement	4000	2	4	4	4	4	18
River Stone	5000	0	0	0	0	0	0
Steel Moulds	8000	0	0	0	0	0	0
Timber	60000	1,980	3,702	3,912	4,272	4,452	18,318
Paint	4000	941	1,761	1,858	2,030	2,114	8,704
Reinforcing Steel	750	2	4	4	4	4	18
Tying Wire	1000	0	0	0	0	0	0
Equivalent Royalty	250	114	222	358	647	962	2,303

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

PROV : KALIMANTAN SELATAN      KAB : TANAH LAUT

( 1000 Rp )

ITEM	UNIT	< 1988 >	< 1989 >	< 1990 >	< 1991 >	< 1992 >	< TOTAL >
<b>EQUIPMENT :</b>		96,365	240,540	313,585	362,852	329,463	1,350,805
Bulldozer/Ripper	15608	4,630	14,936	23,151	21,328	19,216	83,261
Swamp Bulldozer	11488	0	0	0	0	666	666
Motor Grader	13333	13,037	36,455	43,265	54,081	44,224	191,062
Hand-guide Vib. Roller	1538	332	649	1,048	1,211	1,115	4,355
Tire Roller	10572	8,312	12,657	8,965	10,196	11,338	51,468
Vibratory Roller (D&T)	6659	2,699	9,796	12,851	16,951	12,792	55,089
Hydraulic Excavator; Wheel	12478	0	0	0	0	11,230	11,230
Wheel Loader	16498	11,868	35,789	50,748	55,798	48,016	202,219
Water Tank Truck	3848	898	3,139	4,316	5,635	4,341	18,329
Dump Truck	5288	28,484	86,522	119,385	142,759	121,988	499,138
Flat Bed Truck with Crane	4933	12,092	22,626	24,014	27,287	27,674	113,695
Flat Bed Truck	3234	7,649	13,412	12,529	13,848	14,909	62,347
Portable Crusher/Screening	43202	5,697	11,892	13,240	13,556	11,811	56,196
Concrete Mixer	8642	2	2	69	189	134	396
Water Pump	468	0	0	3	8	6	17
Concrete Vibrator	303	0	0	1	3	3	7
Asphalt Sprayer	1998	665	665	0	0	0	1,330
<b>LABOUR :</b>		32,586	69,427	79,727	100,293	90,577	372,610
Handur	2500	2,643	5,648	6,524	8,149	7,572	30,536
Skilled Labourer	2250	2,299	3,934	4,040	7,969	5,457	23,699
Carpenter	2500	908	1,699	1,798	4,162	2,651	11,218
Mason	2500	0	0	8	40	16	64
Labourer	1750	19,138	38,962	43,801	52,050	49,988	203,939
Driver	2500	4,808	11,546	14,163	16,736	15,088	62,341
Operator	4000	2,790	7,638	9,393	11,187	9,805	40,813
<b>MATERIAL :</b>		39,446	47,515	19,319	31,374	24,282	161,936
Bitumen	275	19,324	19,834	1,612	1,522	1,522	43,814
Asphalt Oil	700	9,566	9,566	0	0	0	19,132
Kerosene	250	4,136	4,188	162	153	153	8,792
Sand	5000	1,187	1,358	699	840	813	4,897
Cement	4000	22	24	368	748	703	1,865
River Stone	5000	0	0	16	80	32	128
Steel Moulds	8000	16	16	288	576	552	1,448
Timber	60000	1,980	3,702	3,912	9,054	5,760	24,408
Paint	4000	941	1,761	1,858	4,020	2,725	11,305
Reinforcing Steel	750	49	51	865	1,726	1,654	4,345
Iying Wire	1000	0	0	10	20	20	50
Equivalent Royalty	250	2,225	7,015	9,529	12,635	10,348	41,752

## Appendix A-6

## QUANTITIES OF BRIDGE ON PROPOSED ROAD LINKS

PROV : KALIMANTAN SELATAN KAB : TANAH LAUT

LINK NO	BRIDGE NAME	Km	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)	(NEW)			
29	N. I	1	SBHR	KK				6.00	2	3.00	4.00	24.00		1	2	IIIC
	N. I	1	SBHR	KK			6.00	2	3.00	4.00	24.00		1	2		
	N. I	1	SBHR	KK			4.00	1	4.00	4.00	16.00		0	2		
	N. I	2	SBHR	KK			5.00	2	2.50	4.00	20.00		1	2		
	N. I	2	SBHR	KK			5.00	2	2.50	4.00	20.00		1	2		
	N. I	3	SBHR	KK			4.00	1	4.00	4.00	16.00		0	2		
	LINAU	5	SBHR	KK			10.00	2	5.00	4.00	40.00		1	2		
	CANGKING	6	SBHR	KK			6.00	2	3.00	4.00	24.00		1	2		
33	TAHBAK KUNING	2	HLKB	KK			3.00	1	3.00	4.00	12.00		0	2	IIIB-2	
	TAHBAK RADEN	4	HLKB	KK			3.00	1	3.00	4.00	12.00		0	2		
	RADEN I	5	HLKB	KK			3.00	1	3.00	4.00	12.00		0	2		
34	GUNTUNG RIAM	1	SRIM	KK	TH	10T	(A)	3.00	1	3.00	4.00	12.00	12.00	0	2	IIIC
	GUNTUNG	4	SRIM	KK				3.00	1	3.00	4.00	12.00		0	2	
	WADUK LAMA	6	SRIM	KK				3.00	1	3.00	4.00	12.00		0	2	
	BANUA TENGAH	9	SRIM	KK				19.00	5	3.80	4.00	76.00		4	2	
42	GUNTUNG	1	TJPH	KK				5.00	1	5.00	4.00	20.00		0	2	IIIB-2
	SUMBAR MULYA	1	SMPG	KK				20.00	5	4.00	4.00	80.00		4	2	
	KECIL	1	SMPG	KK				3.00	1	3.00	4.00	12.00		0	2	
	TAJAU PECAH	2	SNPG	KK				10.00	4	2.50	3.50	35.00		3	2	
55	KALI BESAR	1	POLS	KK				4.00	1	4.00	4.00	16.00		0	2	IIIB-2
	HANDIL	3	POLS	KK				4.00	1	4.00	4.00	16.00		0	2	
61	TEBARAN II	24	PLHR	KK				3.00	1	3.00	4.00	12.00		0	2	IIIC
	TEBARAN	24	PLHR	KK				3.00	1	3.00	4.00	12.00		0	2	
	N. I	25	PLHR	KK				4.00	1	4.00	4.00	16.00		0	2	
	BATU TUNGU II	25	PLHR	KK				4.00	1	4.00	4.00	16.00		0	2	
	BATU TUNGU I	25	PLHR	KK				30.00	10	3.00	4.00	120.00		9	2	
	SUNUR I	26	PLHR	KK				3.00	1	3.00	4.00	12.00		0	2	
	SUNUR II	27	PLHR	KK				3.00	1	3.00	4.00	12.00		0	2	
	SUNUR III	27	PLHR	KK				10.00	3	3.33	4.00	40.00		2	2	
	MUNGGU I	28	PLHR	KK				3.00	1	3.00	4.00	12.00		0	2	
	MUNGGU II	28	PLHR	KK				2.50	1	2.50	4.00	10.00		0	2	
	BALACAK SUBUR	29	PLHR	KK				3.00	1	3.00	4.00	12.00		0	2	
	DADAP TUA	30	PLHR	KK				6.00	1	6.00	4.00	24.00		0	2	
	TELUK MUNGGU I	34	PLHR	KK				3.00	1	3.00	4.00	12.00		0	2	
	RENCAK PINANG	34	PLHR	KK				3.00	1	3.00	4.00	12.00		0	2	
	BULANADUK	34	PLHR	KK				3.00	1	3.00	4.00	12.00		0	2	
	RANGAS	34	PLHR	KK	TH	10T	(B)	10.00	3	3.33	4.00	40.00	40.00	2	2	
	LIMBAH BATANG	34	PLHR	KK				3.00	1	3.00	4.00	12.00		0	2	
	MUNGGU II	35	PLHR	KK				3.00	1	3.00	4.00	12.00		0	2	
	MUNGGU 6	36	PLHR	KK				3.00	1	3.00	4.00	12.00		0	2	
	MUNGGU 5	36	PLHR	KK				3.00	1	3.00	4.00	12.00		0	2	
	MUNGGU 3	36	PLHR	KK				3.00	1	3.00	4.00	12.00		0	2	
	MUNGGU BATAKAN	37	PLHR	KK				3.00	1	3.00	4.00	12.00		0	2	
	MUNGGU 7	37	PLHR	KK				3.00	1	3.00	4.00	12.00		0	2	
	SAWO	38	PLHR	KK				3.00	1	3.00	4.00	12.00		0	2	
	SAWO2	38	PLHR	KK				3.00	1	3.00	4.00	12.00		0	2	
	BATAKAN	39	PLHR	KK				8.00	2	4.00	4.00	32.00		1	2	

PROV : KALIMANTAN SELATAN KAB : TANAH LAUT

LINK NO	BRIDGE NAME	Km	From	(( TYPE ))		DESIGN LOAD CLASS	SPAN LENGTH (m)	SPAN NO (no)	SPAN LENGTH (m)	WIDTH (m)	AREA (EXIST) (m2)	AREA (NEW) (m2)	PIER (no)	ABUT (no)	ROAD CLASS
				(EXIST)	(NEW)										
17	TAPIN	14	PLHR	KK		3.00	1	3.00	4.00	12.00			0	2	1118-2
	SALAMPAI	15	PLHR	KK		3.00	1	3.00	4.00	12.00			0	2	
	ALABAN	15	PLHR	KK		6.00	2	3.00	4.00	24.00			1	2	
	KANDANGAN BARU	17	PLHR	KK		3.00	1	3.00	4.00	12.00			0	2	
	CANGKERING	18	PLHR	KK		5.00	1	5.00	4.00	20.00			0	2	
	SURIAT	18	PLHR	KK		3.00	1	3.00	4.00	12.00			0	2	
	LULUK	19	PLHR	KK		2.00	1	2.00	4.00	8.00			0	2	
	PENYIPATAN	20	PLHR	KK		3.00	1	3.00	4.00	12.00			0	2	
	PANTAI	21	PLHR	LL		10.00	3	3.33	4.00	40.00			2	2	
	TIMBUKAN	21	PLHR	KK		3.00	1	3.00	4.00	12.00			0	2	
	RUMBIA	22	PLHR	KK		7.00	2	3.50	4.00	28.00			1	2	
	KAPUK	22	PLHR	KK		12.00	3	4.00	4.00	48.00			2	2	
	PINGUK	22	PLHR	KK		12.00	3	4.00	4.00	48.00			2	2	
KURINGKIT	23	PLHR	KK		7.00	2	3.50	4.00	28.00			1	2		
21	MALUKA	8	PLSR	KK		7.00	2	3.50	4.00	28.00			1	2	1118-1
	MALUKA II	9	PLSR	KK		4.00	1	4.00	4.00	16.00			0	2	
	BAULIN I	10	PLSR	KK		4.00	1	4.00	4.00	16.00			0	2	
	BAULIN II	10	PLSR	KK		3.00	1	3.00	4.00	12.00			0	2	
	TAMBAK KARYA	10	PLSR	KK		3.00	1	3.00	4.00	12.00			0	2	
	TAMBAK KARYA	10	PLSR	KK		3.00	1	3.00	4.00	12.00			0	2	
	SABUHUNG	11	PLSR	KK		7.00	2	3.50	4.00	28.00			1	2	
	NYIUR I	12	PLSR	KK		3.00	1	3.00	4.00	12.00			0	2	
	NYIUR II	13	PLSR	KK		3.00	1	3.00	4.00	12.00			0	2	
	N. I	13	PLSR	KK		7.00	3	2.33	4.00	28.00			2	2	
	N. I	15	PLSR	KK		3.00	1	3.00	4.00	12.00			0	2	
	PADANG LUAS	17	PLSR	KK		2.00	2	1.00	4.00	8.00			1	2	
	BAMBU	17	PLSR	KK		4.00	1	4.00	4.00	16.00			0	2	
	NYIUR I	19	PLSR	KK		4.00	1	4.00	4.00	16.00			0	2	
	NYIUR II	19	PLSR	KK		8.00	2	4.00	4.00	32.00			1	2	
NYIUR III	20	PLSR	KK		6.00	2	3.00	4.00	24.00			1	2		
KURAU	21	PLSR	KK		45.00	10	4.50	3.70	166.50			9	2		
22	KURAU UTARA	1	KURU	KK		12.00	4	3.00	4.00	48.00			3	2	1118-2
	HANDIL GAYADI	1	KURU	KK		12.00	2	6.00	4.00	48.00			1	2	
	BUMI HARAPAN	1	KURU	KK		4.00	1	4.00	4.00	16.00			0	2	
	HANDIL ILUNG	2	KURU	KK		4.00	1	4.00	4.00	16.00			0	2	
	HANDIL ILUNG II	2	KURU	KK		4.00	1	4.00	4.00	16.00			0	2	
	HANDIL ILUNG	3	KURU	KK		4.00	1	4.00	4.00	16.00			0	2	
	HANDIL BABIRIK	5	KURU	KK		4.00	1	4.00	4.00	16.00			0	2	
	DARIK	8	KURU	KK		8.00	2	4.00	4.00	32.00			1	2	
24	KECIL	3	GNRA	KK		3.00	1	3.00	4.00	12.00			0	2	111C
	SALURAN 1	3	GNRA	KK		4.00	1	4.00	4.00	16.00			0	2	
	SALURAN 2	3	GNRA	KK		4.00	1	4.00	4.00	16.00			0	2	
	GUNTUNG KECIL	4	GNRA	KK		3.00	1	3.00	4.00	12.00			0	2	
	KAPAR	7	GNRA	KK		4.00	1	4.00	4.00	16.00			0	2	
	KAPAR 2	9	GNRA	KK		3.00	1	3.00	3.50	10.50			0	2	
	SARINAH	10	GNRA	KK		4.00	1	4.00	4.00	16.00			0	2	
25	SABUHUR	5	PRNA	KK		12.00	3	4.00	4.00	48.00			2	2	111C



PROV : KALIMANTAN SELATAN KAB : TANAH LAUT

LINK NO	BRIDGE NAME	Ka	From	<< TYPE >>		DESIGN LOAD CLASS	SPAN CLASS	SPAN LENGTH (m)	SPAN NO (no)	SPAN LENGTH (m)	WIDTH (m)	AREA	AREA	PIER (no)	ABUT (no)	ROAD CLASS	
				(EXIST)	(NEW)							(EXIST)	(NEW)				
9	ATU-ATU	3	BLRJ	KK				22.00	8	2.75	4.00	88.00		7	2	IIIC	
	KETAPANG 1	5	BLRJ	KK				10.00	3	3.33	4.00	40.00		2	2		
	KETAPANG 2	6	BLRJ	KK				12.00	4	3.00	4.00	48.00		3	2		
10	MALAKAN	1	BJUN	KK				12.00	3	4.00	4.00	48.00		2	2	IIIB-2	
	ATAP DINOING	4	BJUN	KK				12.00	3	4.00	4.00	48.00		2	2		
	GUNTUNG I	5	BJUN	KK				4.00	1	4.00	4.00	16.00		0	2		
	DARAPAK	6	BJUN	KK				8.00	2	4.00	4.00	32.00		1	2		
	GUNTUNG	7	BJUN	KK				3.00	1	3.00	4.00	12.00		0	2		
	TANJUNG	7	BJUN	KK				8.00	2	4.00	4.00	32.00		1	2		
	GUNTUNG PAPUYU	7	BJUN	KK				4.00	1	4.00	4.00	16.00		0	2		
	TANJUNG	8	BJUN	KK				20.00	5	4.00	4.00	80.00		4	2		
13	AMBULUNG I	5	BKTG	KK				5.00	1	5.00	4.00	20.00		0	2	IIIB-2	
	AMBULUNG II	5	BKTG	KK				7.00	2	3.50	4.00	28.00		1	2		
	H.ABUL	6	BKTG	KK				6.00	2	3.00	4.00	24.00		1	2		
	JEPANG	6	BKTG	KK				7.00	2	3.50	4.00	28.00		1	2		
	H.ALI	7	BKTG	KK				5.00	1	5.00	4.00	20.00		0	2		
15	KALI KIDUL	1	GNKR	KK				12.00	3	4.00	4.00	48.00		2	2	IIIC	
	SELURAN	1	GNKR	KK				4.00	1	4.00	4.00	16.00		0	2		
	TELAGA	6	GNKR	KK				4.00	1	4.00	4.00	16.00		0	2		
	BINJAI	8	GNKR	KK				3.00	1	3.00	4.00	12.00		0	2		
	RASAK	13	GNKR	KK				3.00	1	3.00	4.00	12.00		0	2		
	TELAGA LANGSAT	13	GNKR	KK				3.00	1	3.00	4.00	12.00		0	2		
	MATI I	13	GNKR	KK				3.00	1	3.00	4.00	12.00		0	2		
	MATI II	14	GNKR	KK				3.00	1	3.00	4.00	12.00		0	2		
	TARANGAN	14	GNKR	--	TH	10T	(C)	48.00	6	7.67	4.00	0.00	184.00		5	2	
	16	PANTAI	2	TKSG	KK				9.00	2	4.50	4.00	36.00		1	2	IIIB-2
PAGATAN BESAR		8	TKSG	KK				45.00	10	4.50	4.00	180.00		9	2		
N.I		11	TKSG	KK				12.00	4	3.00	4.00	48.00		3	2		
N.I		12	TKSG	KK				9.00	3	3.00	4.00	36.00		2	2		
N.I		12	TKSG	KK				7.00	2	3.50	4.00	28.00		1	2		
N.I		13	TKSG	KK				5.00	1	5.00	4.00	20.00		0	2		
17	KANDANGAN I	1	PLHR	KK				7.00	2	3.50	4.00	28.00		1	2	IIIB-2	
	KANDANGAN II	1	PLHR	KK				6.00	2	3.00	4.00	24.00		1	2		
	HANDI I	3	PLHR	KK				7.00	2	3.50	4.00	28.00		1	2		
	HANDI II	4	PLHR	KK				3.00	1	3.00	4.00	12.00		0	2		
	RIAM	5	PLHR	KK				3.00	1	3.00	4.00	12.00		0	2		
	LEPER	6	PLHR	KK				3.00	1	3.00	4.00	12.00		0	2		
	LEPER I	6	PLHR	KK				3.00	1	3.00	4.00	12.00		0	2		
	DALAM	9	PLHR	KK				10.00	3	3.33	4.00	40.00		2	2		
	KARATAU	10	PLHR	KK				5.00	2	2.50	4.00	20.00		1	2		
	ATURAN I	11	PLHR	KK				12.00	3	4.00	4.00	48.00		2	2		
	ATURAN II	11	PLHR	KK				5.00	1	5.00	4.00	20.00		0	2		
	BANGANG	12	PLHR	KK				7.00	2	3.50	4.00	28.00		1	2		
	PINGSU	12	PLHR	KK				10.00	3	3.33	4.00	40.00		2	2		
	KELAHASAN	13	PLHR	KK				3.00	1	3.00	4.00	12.00		0	2		
SAWAH	13	PLHR	KK				4.00	1	4.00	4.00	16.00		0	2			

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

PROV : KALIMANTAN SELATAN KAB : TANAH LAUT

LINK NO : 9 (IIC) LENGTH : 7 Km

( Rp )

I T E M	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		>>>>> TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber; Span 3m; 10T)	m2	0.00	31,812	5,168	0	0	0
Superstructure (Timber; Span 5m; 10T)	m2	0.00	35,236	5,705	0	0	0
Superstructure (Timber; Span 8m; 10T)	m2	0.00	46,669	7,489	0	0	0
Superstructure (Timber; Span 3m; BHSO)	m2	0.00	39,445	6,389	0	0	0
Superstructure (Timber; Span 5m; BHSO)	m2	0.00	43,061	6,919	0	0	0
Superstructure (Timber; Span 8m; BHSO)	m2	0.00	54,612	8,757	0	0	0
Superstructure (Concrete; Span 3m; BHSO)	m2	0.00	39,166	83,018	0	0	0
Superstructure (Concrete; Span 5m; BHSO)	m2	0.00	40,438	92,732	0	0	0
Superstructure (Concrete; Span 8m; BHSO)	m2	0.00	41,817	100,983	0	0	0
Superstructure (Concrete; Span 10m; BHSO)	m2	0.00	45,876	114,656	0	0	0
Superstructure (Concrete; Span 15m; BHSO)	m2	0.00	49,784	135,007	0	0	0
Substructure (Pier; for Timber; 10T)	NO	0.00	277,196	48,249	0	0	0
Substructure (Abut; for Timber; 10T)	NO	0.00	810,376	207,102	0	0	0
Substructure (Pier; for Timber; BHSO)	NO	0.00	407,688	71,442	0	0	0
Substructure (Abut; for Timber; BHSO)	NO	0.00	909,043	233,047	0	0	0
Substructure (Pier; for Concrete; BHSO)	NO	0.00	1,435,872	457,078	0	0	0
Substructure (Abut; for Concrete; BHSO)	NO	0.00	3,070,954	965,859	0	0	0
Demolition of Bridge (Timber->Timber)	m2	0.00	9,109	1,907	0	0	0
Demolition of Bridge (Timber->Concrete)	m2	0.00	9,109	1,907	0	0	0
Demolition of Bridge (Concrete)	m2	0.00	68,748	65,572	0	0	0
Maintenance of Timber Bridge (New)	m2	0.00	6,027	1,455	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.00	1,585	2,522	0	0	0
Maintenance of Timber Bridge (Exist)	m2	176.00	6,602	2,571	1,161,952	452,496	1,614,448
Maintenance of Concrete Bridge (Exist)	m2	0.00	3,906	2,348	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 : TANAH LAUT

LINK NO : 10 (IIB-2) LENGTH : 12 Km

( Rp )

I T E M	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		>>>>> TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber;Span 3a;10T)	m2	0.00	31,812	5,160	0	0	0
Superstructure (Timber;Span 5a;10T)	m2	0.00	35,236	5,705	0	0	0
Superstructure (Timber;Span 8a;10T)	m2	0.00	46,669	7,489	0	0	0
Superstructure (Timber;Span 3a;BHSO)	m2	0.00	39,445	6,389	0	0	0
Superstructure (Timber;Span 5a;BHSO)	m2	0.00	43,061	6,919	0	0	0
Superstructure (Timber;Span 8a;BHSO)	m2	0.00	54,612	8,757	0	0	0
Superstructure (Concrete;Span 3a;BHSO)	m2	0.00	39,166	83,018	0	0	0
Superstructure (Concrete;Span 5a;BHSO)	m2	0.00	40,438	92,732	0	0	0
Superstructure (Concrete;Span 8a;BHSO)	m2	0.00	41,817	100,983	0	0	0
Superstructure (Concrete;Span 10a;BHSO)	m2	0.00	45,876	114,656	0	0	0
Superstructure (Concrete;Span 15a;BHSO)	m2	0.00	49,784	135,007	0	0	0
Substructure (Pier;for Timber;10T)	NO	0.00	277,196	48,249	0	0	0
Substructure (Abut;for Timber;10T)	NO	0.00	810,376	207,102	0	0	0
Substructure (Pier;for Timber;BHSO)	NO	0.00	407,688	71,442	0	0	0
Substructure (Abut;for Timber;BHSO)	NO	0.00	909,043	233,047	0	0	0
Substructure (Pier;for Concrete;BHSO)	NO	0.00	1,435,872	457,078	0	0	0
Substructure (Abut;for Concrete;BHSO)	NO	0.00	3,070,954	965,859	0	0	0
Demolition of Bridge (Timber->Timber)	m2	0.00	9,109	1,907	0	0	0
Demolition of Bridge (Timber->Concrete)	m2	0.00	9,109	1,907	0	0	0
Demolition of Bridge (Concrete)	m2	0.00	68,748	65,572	0	0	0
Maintenance of Timber Bridge (New)	m2	0.00	6,027	1,455	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.00	1,585	2,522	0	0	0
Maintenance of Timber Bridge (Exist)	m2	284.00	6,602	2,571	1,874,968	730,164	2,605,132
Maintenance of Concrete Bridge (Exist)	m2	0.00	3,906	2,348	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 : TANAH LAUT

LINK NO : 13 (IIIB-2) LENGTH : 10 Km

( Rp )

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		>>>>> TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber; Span 3m; IOT)	m2	0.00	31,812	5,168	0	0	0
Superstructure (Timber; Span 5m; IOT)	m2	0.00	35,236	5,705	0	0	0
Superstructure (Timber; Span 8m; IOT)	m2	0.00	46,669	7,489	0	0	0
Superstructure (Timber; Span 3m; BHSO)	m2	0.00	39,445	6,389	0	0	0
Superstructure (Timber; Span 5m; BHSO)	m2	0.00	43,061	6,919	0	0	0
Superstructure (Timber; Span 8m; BHSO)	m2	0.00	54,612	8,757	0	0	0
Superstructure (Concrete; Span 3m; BHSO)	m2	0.00	39,166	83,018	0	0	0
Superstructure (Concrete; Span 5m; BHSO)	m2	0.00	40,438	92,732	0	0	0
Superstructure (Concrete; Span 8m; BHSO)	m2	0.00	41,817	100,983	0	0	0
Superstructure (Concrete; Span 10m; BHSO)	m2	0.00	45,876	114,656	0	0	0
Superstructure (Concrete; Span 15m; BHSO)	m2	0.00	49,784	135,007	0	0	0
Substructure (Pier; for Timber; IOT)	NO	0.00	277,196	48,249	0	0	0
Substructure (Abut; for Timber; IOT)	NO	0.00	810,376	207,102	0	0	0
Substructure (Pier; for Timber; BHSO)	NO	0.00	407,688	71,442	0	0	0
Substructure (Abut; for Timber; BHSO)	NO	0.00	909,043	233,047	0	0	0
Substructure (Pier; for Concrete; BHSO)	NO	0.00	1,435,872	457,078	0	0	0
Substructure (Abut; for Concrete; BHSO)	NO	0.00	3,070,954	965,859	0	0	0
Demolition of Bridge (Timber->Timber)	m2	0.00	9,109	1,907	0	0	0
Demolition of Bridge (Timber->Concrete)	m2	0.00	9,109	1,907	0	0	0
Demolition of Bridge (Concrete)	m2	0.00	68,748	65,572	0	0	0
Maintenance of Timber Bridge (New)	m2	0.00	6,027	1,455	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.00	1,585	2,522	0	0	0
Maintenance of Timber Bridge (Exist)	m2	120.00	6,602	2,571	792,240	308,520	1,100,760
Maintenance of Concrete Bridge (Exist)	m2	0.00	3,906	2,348	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 : TANAH LAUT

LINK NO : 15 (IIIC) LENGTH : 14 Km

( Rp )

I T E N	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber; Span 3m; 10T)	m2	0.00	31,812	5,168	0	0	0
Superstructure (Timber; Span 5m; 10T)	m2	0.00	35,236	5,705	0	0	0
Superstructure (Timber; Span 8m; 10T)	m2	184.00	46,669	7,489	8,587,096	1,377,976	9,965,072
Superstructure (Timber; Span 3m; BMSO)	m2	0.00	39,445	6,389	0	0	0
Superstructure (Timber; Span 5m; BMSO)	m2	0.00	43,061	6,919	0	0	0
Superstructure (Timber; Span 8m; BMSO)	m2	0.00	54,612	8,757	0	0	0
Superstructure (Concrete; Span 3m; BMSO)	m2	0.00	39,166	83,018	0	0	0
Superstructure (Concrete; Span 5m; BMSO)	m2	0.00	40,438	92,732	0	0	0
Superstructure (Concrete; Span 8m; BMSO)	m2	0.00	41,817	100,983	0	0	0
Superstructure (Concrete; Span 10m; BMSO)	m2	0.00	45,876	114,656	0	0	0
Superstructure (Concrete; Span 15m; BMSO)	m2	0.00	49,784	135,007	0	0	0
Substructure (Pier; for Timber; 10T)	NO	5.00	277,196	48,249	1,385,980	241,245	1,627,225
Substructure (Abut; for Timber; 10T)	NO	2.00	810,376	207,102	1,620,752	414,204	2,034,956
Substructure (Pier; for Timber; BMSO)	NO	0.00	407,688	71,442	0	0	0
Substructure (Abut; for Timber; BMSO)	NO	0.00	909,043	233,047	0	0	0
Substructure (Pier; for Concrete; BMSO)	NO	0.00	1,435,872	457,078	0	0	0
Substructure (Abut; for Concrete; BMSO)	NO	0.00	3,070,954	965,859	0	0	0
Demolition of Bridge (Timber->Timber)	m2	0.00	9,109	1,907	0	0	0
Demolition of Bridge (Timber->Concrete)	m2	0.00	9,109	1,907	0	0	0
Demolition of Bridge (Concrete)	m2	0.00	68,748	65,572	0	0	0
Maintenance of Timber Bridge (New)	m2	184.00	6,027	1,455	1,108,968	267,720	1,376,688
Maintenance of Concrete Bridge (New)	m2	0.00	1,585	2,522	0	0	0
Maintenance of Timber Bridge (Exist)	m2	140.00	6,602	2,571	924,280	359,940	1,204,220
Maintenance of Concrete Bridge (Exist)	m2	0.00	3,906	2,348	0	0	0
( Without Overhead )			TOTAL COST (Timber Bridge)		11,593,828	2,033,425	13,627,253
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		11,593,828	2,033,425	13,627,253
( Overhead : 15% )			TOTAL COST (Timber Bridge)		13,332,902	2,338,439	15,671,341
			(Concrete Bridge)		0	0	0
			TOTAL COST (without Maintenance)		13,332,902	2,338,439	15,671,341

PROV : KALIMANTAN SELATAN KAB : TANAH LAUT

LINK NO : 16 (U1B-2) LENGTH : 16 Km

( Rp )

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber;Span 3m;LOT)	m2	0.00	31,812	5,168	0	0	0
Superstructure (Timber;Span 5m;LOT)	m2	0.00	35,236	5,705	0	0	0
Superstructure (Timber;Span 8m;LOT)	m2	0.00	46,669	7,489	0	0	0
Superstructure (Timber;Span 3m;BHSO)	m2	0.00	39,445	6,389	0	0	0
Superstructure (Timber;Span 5m;BHSO)	m2	0.00	43,061	6,919	0	0	0
Superstructure (Timber;Span 8m;BHSO)	m2	0.00	54,612	8,757	0	0	0
Superstructure (Concrete;Span 3m;BHSO)	m2	0.00	39,166	83,018	0	0	0
Superstructure (Concrete;Span 5m;BHSO)	m2	0.00	40,438	92,732	0	0	0
Superstructure (Concrete;Span 8m;BHSO)	m2	0.00	41,817	100,983	0	0	0
Superstructure (Concrete;Span10m;BHSO)	m2	0.00	45,876	114,656	0	0	0
Superstructure (Concrete;Span15m;BHSO)	m2	0.00	49,784	135,007	0	0	0
Substructure (Pier;for Timber;LOT)	NO	0.00	277,196	48,249	0	0	0
Substructure (Abut;for Timber;LOT)	NO	0.00	810,376	207,102	0	0	0
Substructure (Pier;for Timber;BHSO)	NO	0.00	407,688	71,442	0	0	0
Substructure (Abut;for Timber;BHSO)	NO	0.00	909,043	233,047	0	0	0
Substructure (Pier;for Concrete;BHSO)	NO	0.00	1,435,872	457,078	0	0	0
Substructure (Abut;for Concrete;BHSO)	NO	0.00	3,070,954	985,859	0	0	0
Demolition of Bridge (Timber->Timber)	m2	0.00	9,109	1,907	0	0	0
Demolition of Bridge (Timber->Concrete)	m2	0.00	9,109	1,907	0	0	0
Demolition of Bridge (Concrete)	m2	0.00	68,748	65,572	0	0	0
Maintenance of Timber Bridge (New)	m2	0.00	6,027	1,455	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.00	1,585	2,522	0	0	0
Maintenance of Timber Bridge (Exist)	m2	348.00	6,602	2,571	2,297,496	894,708	3,192,204
Maintenance of Concrete Bridge (Exist)	m2	0.00	3,906	2,348	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 : TANAH LAUT

LINE NO : 17 (IIB-2) LENGTH : 23 Km

( Rp )

I T E M	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber; Span 3m; IOT)	m2	0.00	31,812	5,188	0	0	0
Superstructure (Timber; Span 5m; IOT)	m2	0.00	35,236	5,705	0	0	0
Superstructure (Timber; Span 8m; IOT)	m2	0.00	46,669	7,489	0	0	0
Superstructure (Timber; Span 3m; BHSO)	m2	0.00	39,445	6,309	0	0	0
Superstructure (Timber; Span 5m; BHSO)	m2	0.00	43,061	6,919	0	0	0
Superstructure (Timber; Span 8m; BHSO)	m2	0.00	54,612	8,757	0	0	0
Superstructure (Concrete; Span 3m; BHSO)	m2	0.00	39,166	83,018	0	0	0
Superstructure (Concrete; Span 5m; BHSO)	m2	0.00	40,438	92,732	0	0	0
Superstructure (Concrete; Span 8m; BHSO)	m2	0.00	41,817	100,983	0	0	0
Superstructure (Concrete; Span 10m; BHSO)	m2	0.00	45,876	114,656	0	0	0
Superstructure (Concrete; Span 15m; BHSO)	m2	0.00	49,784	135,007	0	0	0
Substructure (Pier; for Timber; IOT)	NO	0.00	277,196	48,749	0	0	0
Substructure (Abut; for Timber; IOT)	NO	0.00	810,376	207,102	0	0	0
Substructure (Pier; for Timber; BHSO)	NO	0.00	407,688	71,442	0	0	0
Substructure (Abut; for Timber; BHSO)	NO	0.00	909,043	233,047	0	0	0
Substructure (Pier; for Concrete; BHSO)	NO	0.00	1,435,872	457,078	0	0	0
Substructure (Abut; for Concrete; BHSO)	NO	0.00	3,070,954	965,859	0	0	0
Demolition of Bridge (Timber->Timber)	m2	0.00	9,109	1,907	0	0	0
Demolition of Bridge (Timber->Concrete)	m2	0.00	9,109	1,907	0	0	0
Demolition of Bridge (Concrete)	m2	0.00	68,748	65,572	0	0	0
Maintenance of Timber Bridge (New)	m2	0.00	6,027	1,455	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.00	1,585	2,522	0	0	0
Maintenance of Timber Bridge (Exist)	m2	668.00	6,602	2,571	4,410,136	1,717,428	6,127,564
Maintenance of Concrete Bridge (Exist)	m2	0.00	3,906	2,348	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 : TANAH LAUT

LINE NO : 21 (IIB-1) LENGTH : 20 Km

( Rp )

I T E M	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		>>>>> TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber; Span 3m; 10T)	#2	0.00	31,812	5,168	0	0	0
Superstructure (Timber; Span 5m; 10T)	#2	0.00	35,236	5,705	0	0	0
Superstructure (Timber; Span 8m; 10T)	#2	0.00	46,669	7,489	0	0	0
Superstructure (Timber; Span 3m; BHSO)	#2	0.00	39,445	6,389	0	0	0
Superstructure (Timber; Span 5m; BHSO)	#2	0.00	43,061	6,919	0	0	0
Superstructure (Timber; Span 8m; BHSO)	#2	0.00	54,612	8,757	0	0	0
Superstructure (Concrete; Span 3m; BHSO)	#2	0.00	39,166	83,018	0	0	0
Superstructure (Concrete; Span 5m; BHSO)	#2	0.00	40,438	92,732	0	0	0
Superstructure (Concrete; Span 8m; BHSO)	#2	0.00	41,817	100,983	0	0	0
Superstructure (Concrete; Span 10m; BHSO)	#2	0.00	45,876	114,656	0	0	0
Superstructure (Concrete; Span 15m; BHSO)	#2	0.00	49,784	135,007	0	0	0
Substructure (Pier; for Timber; 10T)	NO	0.00	277,196	48,249	0	0	0
Substructure (Abut; for Timber; 10T)	NO	0.00	810,376	207,102	0	0	0
Substructure (Pier; for Timber; BHSO)	NO	0.00	407,688	71,442	0	0	0
Substructure (Abut; for Timber; BHSO)	NO	0.00	909,043	233,047	0	0	0
Substructure (Pier; for Concrete; BHSO)	NO	0.00	1,435,872	457,078	0	0	0
Substructure (Abut; for Concrete; BHSO)	NO	0.00	3,070,954	965,859	0	0	0
Demolition of Bridge (Timber->Timber)	#2	0.00	9,109	1,907	0	0	0
Demolition of Bridge (Timber->Concrete)	#2	0.00	9,109	1,907	0	0	0
Demolition of Bridge (Concrete)	#2	0.00	68,748	65,572	0	0	0
Maintenance of Timber Bridge (New)	#2	0.00	6,027	1,455	0	0	0
Maintenance of Concrete Bridge (New)	#2	0.00	1,585	2,522	0	0	0
Maintenance of Timber Bridge (Exist)	#2	450.50	6,602	2,571	2,974,201	1,158,235	4,132,436
Maintenance of Concrete Bridge (Exist)	#2	0.00	3,906	2,348	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



PROJ : KALIHANTAN BELAYAN KAD : TANAH LAUT

LINK NO : 22 (IIB-2) LENGTH : 0 Km

( Rp )

ITEM	UNIT	QUANTITY	UNIT COST		COST		TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber; Span 3m; IOT)	m <sup>2</sup>	0.00	31,812	5,168	0	0	0
Superstructure (Timber; Span 5m; IOT)	m <sup>2</sup>	0.00	35,236	5,705	0	0	0
Superstructure (Timber; Span 8m; IOT)	m <sup>2</sup>	0.00	46,669	7,489	0	0	0
Superstructure (Timber; Span 3m; BHSO)	m <sup>2</sup>	0.00	39,445	6,389	0	0	0
Superstructure (Timber; Span 5m; BHSO)	m <sup>2</sup>	0.00	43,061	6,919	0	0	0
Superstructure (Timber; Span 8m; BHSO)	m <sup>2</sup>	0.00	54,612	8,757	0	0	0
Superstructure (Concrete; Span 3m; BHSO)	m <sup>2</sup>	0.00	39,166	83,018	0	0	0
Superstructure (Concrete; Span 5m; BHSO)	m <sup>2</sup>	0.00	40,438	92,732	0	0	0
Superstructure (Concrete; Span 8m; BHSO)	m <sup>2</sup>	0.00	41,817	100,983	0	0	0
Superstructure (Concrete; Span 10m; BHSO)	m <sup>2</sup>	0.00	45,876	114,656	0	0	0
Superstructure (Concrete; Span 15m; BHSO)	m <sup>2</sup>	0.00	49,784	135,007	0	0	0
Substructure (Pier; for Timber; IOT)	NO	0.00	277,196	48,249	0	0	0
Substructure (Abut; for Timber; IOT)	NO	0.00	810,376	207,102	0	0	0
Substructure (Pier; for Timber; BHSO)	NO	0.00	407,688	71,442	0	0	0
Substructure (Abut; for Timber; BHSO)	NO	0.00	909,043	233,047	0	0	0
Substructure (Pier; for Concrete; BHSO)	NO	0.00	1,435,872	457,078	0	0	0
Substructure (Abut; for Concrete; BHSO)	NO	0.00	3,076,954	965,859	0	0	0
Demolition of Bridge (Timber->Timber)	m <sup>2</sup>	0.00	9,109	1,907	0	0	0
Demolition of Bridge (Timber->Concrete)	m <sup>2</sup>	0.00	9,109	1,907	0	0	0
Demolition of Bridge (Concrete)	m <sup>2</sup>	0.00	68,748	65,572	0	0	0
Maintenance of Timber Bridge (New)	m <sup>2</sup>	0.00	6,027	1,455	0	0	0
Maintenance of Concrete Bridge (New)	m <sup>2</sup>	0.00	1,585	2,522	0	0	0
Maintenance of Timber Bridge (Exist)	m <sup>2</sup>	208.00	6,602	2,571	1,373,216	534,768	1,907,984
Maintenance of Concrete Bridge (Exist)	m <sup>2</sup>	0.00	3,906	2,348	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

PRJW : KALIMANTAN BELAYAN KAB : TANAH LAUT

LINK NO : 24 (IIC) LENGTH : 11 Km

( Rp )

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		>>>>> TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber; Span 3m; IOT)	m2	0.00	31,812	5,168	0	0	0
Superstructure (Timber; Span 5m; IOT)	m2	0.00	35,236	5,705	0	0	0
Superstructure (Timber; Span 8m; IOT)	m2	0.00	46,669	7,489	0	0	0
Superstructure (Timber; Span 3m; BHSO)	m2	0.00	39,445	6,389	0	0	0
Superstructure (Timber; Span 5m; BHSO)	m2	0.00	43,061	6,919	0	0	0
Superstructure (Timber; Span 8m; BHSO)	m2	0.00	54,612	8,757	0	0	0
Superstructure (Concrete; Span 3m; BHSO)	m2	0.00	39,166	83,018	0	0	0
Superstructure (Concrete; Span 5m; BHSO)	m2	0.00	40,438	92,732	0	0	0
Superstructure (Concrete; Span 8m; BHSO)	m2	0.00	41,817	100,983	0	0	0
Superstructure (Concrete; Span 10m; BHSO)	m2	0.00	45,876	114,656	0	0	0
Superstructure (Concrete; Span 15m; BHSO)	m2	0.00	49,784	135,007	0	0	0
Substructure (Pier; for Timber; IOT)	NO	0.00	277,196	48,249	0	0	0
Substructure (Abut; for Timber; IOT)	NO	0.00	810,376	207,102	0	0	0
Substructure (Pier; for Timber; BHSO)	NO	0.00	407,688	71,442	0	0	0
Substructure (Abut; for Timber; BHSO)	NO	0.00	909,043	233,047	0	0	0
Substructure (Pier; for Concrete; BHSO)	NO	0.00	1,435,872	457,078	0	0	0
Substructure (Abut; for Concrete; BHSO)	NO	0.00	3,070,954	965,859	0	0	0
Demolition of Bridge (Timber->Timber)	m2	0.00	9,109	1,907	0	0	0
Demolition of Bridge (Timber->Concrete)	m2	0.00	9,109	1,907	0	0	0
Demolition of Bridge (Concrete)	m2	0.00	68,748	65,572	0	0	0
Maintenance of Timber Bridge (New)	m2	0.00	6,027	1,455	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.00	1,585	2,522	0	0	0
Maintenance of Timber Bridge (Exist)	m2	98.50	6,602	2,571	650,297	253,243	903,540
Maintenance of Concrete Bridge (Exist)	m2	0.00	3,906	2,348	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 KAR : TANAH LAUT

LINK NO : 25 (TIC) LENGTH : 11 Km

( Rp )

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		>>>>> TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber; Span 3a; 10T)	m2	0.00	31,812	5,168	0	0	0
Superstructure (Timber; Span 5a; 10T)	m2	0.00	35,236	5,705	0	0	0
Superstructure (Timber; Span 8a; 10T)	m2	0.00	46,669	7,489	0	0	0
Superstructure (Timber; Span 3a; BH50)	m2	0.00	39,445	6,389	0	0	0
Superstructure (Timber; Span 5a; BH50)	m2	0.00	43,061	6,919	0	0	0
Superstructure (Timber; Span 8a; BH50)	m2	0.00	54,612	8,757	0	0	0
Superstructure (Concrete; Span 3a; BH50)	m2	0.00	39,166	83,018	0	0	0
Superstructure (Concrete; Span 5a; BH50)	m2	0.00	40,438	92,732	0	0	0
Superstructure (Concrete; Span 8a; BH50)	m2	0.00	41,817	100,983	0	0	0
Superstructure (Concrete; Span 10a; BH50)	m2	0.00	45,876	114,656	0	0	0
Superstructure (Concrete; Span 15a; BH50)	m2	0.00	49,784	135,007	0	0	0
Substructure (Pier; for Timber; 10T)	N0	0.00	277,196	48,249	0	0	0
Substructure (Abut; for Timber; 10T)	N0	0.00	810,376	207,102	0	0	0
Substructure (Pier; for Timber; BH50)	N0	0.00	407,688	71,442	0	0	0
Substructure (Abut; for Timber; BH50)	N0	0.00	909,043	233,047	0	0	0
Substructure (Pier; for Concrete; BH50)	N0	0.00	1,435,872	457,078	0	0	0
Substructure (Abut; for Concrete; BH50)	N0	0.00	3,070,954	965,859	0	0	0
Demolition of Bridge (Timber->Timber)	m2	0.00	9,109	1,907	0	0	0
Demolition of Bridge (Timber->Concrete)	m2	0.00	9,109	1,907	0	0	0
Demolition of Bridge (Concrete)	m2	0.00	68,748	65,572	0	0	0
Maintenance of Timber Bridge (New)	m2	0.00	6,027	1,455	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.00	1,585	2,522	0	0	0
Maintenance of Timber Bridge (Exist)	m2	48.00	6,602	2,571	316,896	123,408	440,304
Maintenance of Concrete Bridge (Exist)	m2	0.00	3,906	2,348	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 : TANAH LAUT

LINK NO : 29 (IIC) LENGTH : 7 Km

( Rp )

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		>>>>> TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber; Span 3m; IOT)	m2	0.00	31,812	5,168	0	0	0
Superstructure (Timber; Span 5m; IOT)	m2	0.00	35,236	5,705	0	0	0
Superstructure (Timber; Span 8m; IOT)	m2	0.00	46,669	7,489	0	0	0
Superstructure (Timber; Span 3m; BMSO)	m2	0.00	39,445	6,309	0	0	0
Superstructure (Timber; Span 5m; BMSO)	m2	0.00	43,061	6,919	0	0	0
Superstructure (Timber; Span 8m; BMSO)	m2	0.00	54,612	8,757	0	0	0
Superstructure (Concrete; Span 3m; BMSO)	m2	0.00	39,166	83,018	0	0	0
Superstructure (Concrete; Span 5m; BMSO)	m2	0.00	40,438	92,732	0	0	0
Superstructure (Concrete; Span 8m; BMSO)	m2	0.00	41,817	100,983	0	0	0
Superstructure (Concrete; Span 10m; BMSO)	m2	0.00	45,876	114,656	0	0	0
Superstructure (Concrete; Span 15m; BMSO)	m2	0.00	49,784	135,007	0	0	0
Substructure (Pier; for Timber; IOT)	NO	0.00	277,196	48,249	0	0	0
Substructure (Abut; for Timber; IOT)	NO	0.00	810,376	207,102	0	0	0
Substructure (Pier; for Timber; BMSO)	NO	0.00	407,688	71,442	0	0	0
Substructure (Abut; for Timber; BMSO)	NO	0.00	909,043	233,047	0	0	0
Substructure (Pier; for Concrete; BMSO)	NO	0.00	1,435,872	457,078	0	0	0
Substructure (Abut; for Concrete; BMSO)	NO	0.00	3,070,954	965,859	0	0	0
Demolition of Bridge (Timber->Timber)	m2	0.00	9,109	1,907	0	0	0
Demolition of Bridge (Timber->Concrete)	m2	0.00	9,109	1,907	0	0	0
Demolition of Bridge (Concrete)	m2	0.00	68,748	65,572	0	0	0
Maintenance of Timber Bridge (New)	m2	0.00	6,027	1,455	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.00	1,585	2,522	0	0	0
Maintenance of Timber Bridge (Exist)	m2	194.00	6,602	2,571	1,214,768	473,064	1,687,832
Maintenance of Concrete Bridge (Exist)	m2	0.00	3,906	2,348	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 : TANAH LAUT

LINK NO : 33 (IIB-2) LENGTH : 5 Km

( Rp )

ITEM	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		>>>>> TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber;Span 3m;101)	m2	0.00	31,812	5,168	0	0	0
Superstructure (Timber;Span 5m;101)	m2	0.00	35,236	5,705	0	0	0
Superstructure (Timber;Span 8m;101)	m2	0.00	46,669	7,489	0	0	0
Superstructure (Timber;Span 3m;BNSO)	m2	0.00	39,445	6,389	0	0	0
Superstructure (Timber;Span 5m;BNSO)	m2	0.00	43,061	6,919	0	0	0
Superstructure (Timber;Span 8m;BNSO)	m2	0.00	54,612	8,757	0	0	0
Superstructure (Concrete;Span 3m;BNSO)	m2	0.00	39,166	83,018	0	0	0
Superstructure (Concrete;Span 5m;BNSO)	m2	0.00	40,438	92,732	0	0	0
Superstructure (Concrete;Span 8m;BNSO)	m2	0.00	41,817	100,983	0	0	0
Superstructure (Concrete;Span 10m;BNSO)	m2	0.00	45,876	114,656	0	0	0
Superstructure (Concrete;Span 15m;BNSO)	m2	0.00	49,784	135,007	0	0	0
Substructure (Pier;for Timber;101)	NO	0.00	277,196	48,249	0	0	0
Substructure (Abut;for Timber;101)	NO	0.00	810,376	207,102	0	0	0
Substructure (Pier;for Timber;BNSO)	NO	0.00	407,688	71,442	0	0	0
Substructure (Abut;for Timber;BNSO)	NO	0.00	909,043	233,047	0	0	0
Substructure (Pier;for Concrete;BNSO)	NO	0.00	1,435,872	457,078	0	0	0
Substructure (Abut;for Concrete;BNSO)	NO	0.00	3,070,954	965,859	0	0	0
Demolition of Bridge (Timber-Timber)	m2	0.00	9,109	1,907	0	0	0
Demolition of Bridge (Timber-Concrete)	m2	0.00	9,109	1,907	0	0	0
Demolition of Bridge (Concrete)	m2	0.00	68,748	85,572	0	0	0
Maintenance of Timber Bridge (New)	m2	0.00	6,027	1,455	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.00	1,585	2,522	0	0	0
Maintenance of Timber Bridge (Exist)	m2	36.00	6,602	2,571	237,672	92,556	330,228
Maintenance of Concrete Bridge (Exist)	m2	0.00	3,906	2,348	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 : KALINANTAN SELATAN KAB : TANAH LAUT

LINK NO : 34 (IIIC) LENGTH : 10 Km

( Rp )

I T E M	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		>>>>> TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber; Span 3m; 101)	m2	12.00	31,812	5,168	381,744	62,016	443,760
Superstructure (Timber; Span 5m; 101)	m2	0.00	35,236	5,705	0	0	0
Superstructure (Timber; Span 8m; 101)	m2	0.00	46,669	7,489	0	0	0
Superstructure (Timber; Span 3m; BMS0)	m2	0.00	39,445	6,389	0	0	0
Superstructure (Timber; Span 5m; BMS0)	m2	0.00	43,061	6,919	0	0	0
Superstructure (Timber; Span 8m; BMS0)	m2	0.00	54,612	8,757	0	0	0
Superstructure (Concrete; Span 3m; BMS0)	m2	0.00	39,166	83,018	0	0	0
Superstructure (Concrete; Span 5m; BMS0)	m2	0.00	40,438	92,732	0	0	0
Superstructure (Concrete; Span 8m; BMS0)	m2	0.00	41,817	100,983	0	0	0
Superstructure (Concrete; Span 10m; BMS0)	m2	0.00	45,876	114,656	0	0	0
Superstructure (Concrete; Span 15m; BMS0)	m2	0.00	49,784	135,007	0	0	0
Substructure (Pier; for Timber; 101)	NO	0.00	277,196	48,249	0	0	0
Substructure (Abut; for Timber; 101)	NO	2.00	810,376	207,102	1,620,752	414,204	2,034,956
Substructure (Pier; for Timber; BMS0)	NO	0.00	407,688	71,442	0	0	0
Substructure (Abut; for Timber; BMS0)	NO	0.00	909,043	233,047	0	0	0
Substructure (Pier; for Concrete; BMS0)	NO	0.00	1,435,872	457,078	0	0	0
Substructure (Abut; for Concrete; BMS0)	NO	0.00	3,070,954	985,859	0	0	0
Demolition of Bridge (Timber->Timber)	m2	12.00	9,109	1,907	109,308	22,884	132,192
Demolition of Bridge (Timber->Concrete)	m2	0.00	9,109	1,907	0	0	0
Demolition of Bridge (Concrete)	m2	0.00	68,748	65,572	0	0	0
Maintenance of Timber Bridge (New)	m2	12.00	6,027	1,455	72,324	17,460	89,784
Maintenance of Concrete Bridge (New)	m2	0.00	1,585	2,522	0	0	0
Maintenance of Timber Bridge (Exist)	m2	100.00	6,602	2,571	660,200	257,100	917,300
Maintenance of Concrete Bridge (Exist)	m2	0.00	3,906	2,348	0	0	0
<hr/>							
( Without Overhead )	TOTAL COST (Timber Bridge)				2,111,804	499,104	2,610,908
	TOTAL COST (Concrete Bridge)				0	0	0
	TOTAL COST (without Maintenance)				2,111,804	499,104	2,610,908
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( Overhead : 15% )	TOTAL COST (Timber Bridge)				2,428,575	573,970	3,002,544
	TOTAL COST (Concrete Bridge)				0	0	0
	TOTAL COST (without Maintenance)				2,428,575	573,970	3,002,544

PROV : KALIMANTAN BELATAN KAD : TANAH LAUT

LINK NO : 42 (IIIB-2) LENGTH : 12 Km

( Rp )

I T E M	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		>>>>> TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber; Span 3m; 10T)	m2	0.00	31,812	5,168	0	0	0
Superstructure (Timber; Span 5m; 10T)	m2	0.00	35,236	5,705	0	0	0
Superstructure (Timber; Span 8m; 10T)	m2	0.00	46,669	7,489	0	0	0
Superstructure (Timber; Span 3m; BMSO)	m2	0.00	39,445	6,389	0	0	0
Superstructure (Timber; Span 5m; BMSO)	m2	0.00	43,061	6,919	0	0	0
Superstructure (Timber; Span 8m; BMSO)	m2	0.00	54,612	8,757	0	0	0
Superstructure (Concrete; Span 3m; BMSO)	m2	0.00	39,166	83,018	0	0	0
Superstructure (Concrete; Span 5m; BMSO)	m2	0.00	40,438	92,732	0	0	0
Superstructure (Concrete; Span 8m; BMSO)	m2	0.00	41,817	100,983	0	0	0
Superstructure (Concrete; Span 10m; BMSO)	m2	0.00	45,876	114,656	0	0	0
Superstructure (Concrete; Span 15m; BMSO)	m2	0.00	49,784	135,007	0	0	0
Substructure (Pier; for Timber; 10T)	NO	0.00	277,196	48,249	0	0	0
Substructure (Abut; for Timber; 10T)	NO	0.00	810,376	207,102	0	0	0
Substructure (Pier; for Timber; BMSO)	NO	0.00	407,688	71,442	0	0	0
Substructure (Abut; for Timber; BMSO)	NO	0.00	909,043	233,047	0	0	0
Substructure (Pier; for Concrete; BMSO)	NO	0.00	1,435,872	457,078	0	0	0
Substructure (Abut; for Concrete; BMSO)	NO	0.00	3,070,954	965,859	0	0	0
Demolition of Bridge (Timber->Timber)	m2	0.00	9,109	1,907	0	0	0
Demolition of Bridge (Timber->Concrete)	m2	0.00	9,109	1,907	0	0	0
Demolition of Bridge (Concrete)	m2	0.00	68,748	65,572	0	0	0
Maintenance of Timber Bridge (New)	m2	0.00	6,027	1,455	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.00	1,585	2,522	0	0	0
Maintenance of Timber Bridge (Exist)	m2	147.00	6,602	2,571	970,494	377,937	1,348,431
Maintenance of Concrete Bridge (Exist)	m2	0.00	3,906	2,348	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 : TANAH LAUT  
LINK NO : 55 (IIB-2) LENGTH : 4 Km

( Rp )

I T E M	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber;Span 3m;10T)	m2	0.00	31,812	5,168	0	0	0
Superstructure (Timber;Span 5m;10T)	m2	0.00	35,236	5,705	0	0	0
Superstructure (Timber;Span 8m;10T)	m2	0.00	46,669	7,489	0	0	0
Superstructure (Timber;Span 3m;BMS0)	m2	0.00	39,445	6,389	0	0	0
Superstructure (Timber;Span 5m;BMS0)	m2	0.00	43,061	6,919	0	0	0
Superstructure (Timber;Span 8m;BMS0)	m2	0.00	54,612	8,757	0	0	0
Superstructure (Concrete;Span 3m;BMS0)	m2	0.00	39,166	83,018	0	0	0
Superstructure (Concrete;Span 5m;BMS0)	m2	0.00	40,438	92,732	0	0	0
Superstructure (Concrete;Span 8m;BMS0)	m2	0.00	41,817	100,983	0	0	0
Superstructure (Concrete;Span10m;BMS0)	m2	0.00	45,876	114,656	0	0	0
Superstructure (Concrete;Span15m;BMS0)	m2	0.00	49,784	135,007	0	0	0
Substructure (Pier;for Timber;10T)	N0	0.00	277,196	48,249	0	0	0
Substructure (Abut;for Timber;10T)	N0	0.00	810,376	207,102	0	0	0
Substructure (Pier;for Timber;BMS0)	N0	0.00	407,688	71,442	0	0	0
Substructure (Abut;for Timber;BMS0)	N0	0.00	909,043	233,047	0	0	0
Substructure (Pier;for Concrete;BMS0)	N0	0.00	1,435,872	457,078	0	0	0
Substructure (Abut;for Concrete;BMS0)	N0	0.00	3,070,954	965,859	0	0	0
Demolition of Bridge (Timber->Timber)	m2	0.00	9,109	1,907	0	0	0
Demolition of Bridge (Timber->Concrete)	m2	0.00	9,109	1,907	0	0	0
Demolition of Bridge (Concrete)	m2	0.00	68,748	65,572	0	0	0
Maintenance of Timber Bridge (New)	m2	0.00	6,027	1,455	0	0	0
Maintenance of Concrete Bridge (New)	m2	0.00	1,585	2,522	0	0	0
Maintenance of Timber Bridge (Exist)	m2	32.00	6,602	2,571	211,264	82,272	293,536
Maintenance of Concrete Bridge (Exist)	m2	0.00	3,906	2,348	0	0	0
<hr/>							
( Without Overhead )	TOTAL COST (Timber Bridge)		0	0	0	0	0
	(Concrete Bridge)		0	0	0	0	0
	TOTAL COST (without Maintenance)		0	0	0	0	0
<hr/>							
( Overhead : 15% )	TOTAL COST (Timber Bridge)		0	0	0	0	0
	(Concrete Bridge)		0	0	0	0	0
	TOTAL COST (without Maintenance)		0	0	0	0	0



PROV : KALIMANTAN BELATAN KAB : TANAH LAUT

LINK NO : 61 (IIIC) LENGTH : 18 Km

( Rp )

I T E M	UNIT	QUANTITY	<<< UNIT COST >>>		<<<<< COST >>>>>		>>>>> TOTAL
			LOCAL	FOREIGN	LOCAL	FOREIGN	
Superstructure (Timber; Span 3m; IOT)	m2	0.00	31,812	5,168	0	0	0
Superstructure (Timber; Span 5m; IOT)	m2	40.00	35,236	5,705	1,409,440	228,200	1,637,640
Superstructure (Timber; Span 8m; IOT)	m2	0.00	46,669	7,489	0	0	0
Superstructure (Timber; Span 3m; BHSO)	m2	0.00	39,445	6,389	0	0	0
Superstructure (Timber; Span 5m; BHSO)	m2	0.00	43,061	6,919	0	0	0
Superstructure (Timber; Span 8m; BHSO)	m2	0.00	54,612	8,757	0	0	0
Superstructure (Concrete; Span 3m; BHSO)	m2	0.00	39,166	83,018	0	0	0
Superstructure (Concrete; Span 5m; BHSO)	m2	0.00	40,438	92,732	0	0	0
Superstructure (Concrete; Span 8m; BHSO)	m2	0.00	41,817	100,983	0	0	0
Superstructure (Concrete; Span 10m; BHSO)	m2	0.00	45,876	114,656	0	0	0
Superstructure (Concrete; Span 15m; BHSO)	m2	0.00	49,784	135,007	0	0	0
Substructure (Pier; for Timber; IOT)	NO	2.00	277,196	48,249	554,392	96,498	650,890
Substructure (Abut; for Timber; IOT)	NO	2.00	810,376	207,102	1,620,752	414,204	2,034,956
Substructure (Pier; for Timber; BHSO)	NO	0.00	407,688	71,442	0	0	0
Substructure (Abut; for Timber; BHSO)	NO	0.00	909,043	233,047	0	0	0
Substructure (Pier; for Concrete; BHSO)	NO	0.00	1,435,872	457,078	0	0	0
Substructure (Abut; for Concrete; BHSO)	NO	0.00	3,070,954	965,859	0	0	0
Demolition of Bridge (Timber->Timber)	m2	40.00	9,109	1,907	364,360	76,280	440,640
Demolition of Bridge (Timber->Concrete)	m2	0.00	9,109	1,907	0	0	0
Demolition of Bridge (Concrete)	m2	0.00	68,748	65,572	0	0	0
Maintenance of Timber Bridge (New)	m2	40.00	6,027	1,455	241,080	58,200	299,280
Maintenance of Concrete Bridge (New)	m2	0.00	1,585	2,522	0	0	0
Maintenance of Timber Bridge (Exist)	m2	474.00	6,602	2,571	3,129,348	1,218,654	4,348,002
Maintenance of Concrete Bridge (Exist)	m2	0.00	3,906	2,348	0	0	0
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( Without Overhead )	TOTAL COST (Timber Bridge)				3,948,944	815,182	4,764,126
	(Concrete Bridge)				0	0	0
	TOTAL COST (without Maintenance)				3,948,944	815,182	4,764,126
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( Overhead : 15% )	TOTAL COST (Timber Bridge)				4,541,286	937,459	5,478,745
	(Concrete Bridge)				0	0	0
	TOTAL COST (without Maintenance)				4,541,286	937,459	5,478,745
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