

**APPROVED BUDGET FOR THE CONTRACT**

ROAD UPGRADING (GRAVEL TO PAVED) OF SIOCON-SIRAWAI-SIBUCO-LIMPAPA ROAD, ZAMBOANGA DEL NORTE, 2ND DEO

Project Name and Location

Stations : Chainage 3680 - Chainage 4280, L = 600.00 Inm., (K 2114 + 680.00-K 2115 + 280.00) Chainage 7880-Chainage 8130, L = 250.00 In.m. (K 2118 + 880.00 -K 2119 + 130.00)

Length : 850.00

Contract Duration : **297 Calendar Days**

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	ESTIMATED DIRECT COST	MARK-UPS IN PERCENT		TOTAL MARK-UPS		VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
					OCM	PROFIT	%	VALUE				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
								(5) x (8)	5%[(5) + (9)]	(9) + (10)	(5) + (11)	(12) / (3)
102(2)	Surplus Common Excavation	277,911.00	cu.m.	39,324,093.85	10.00	8.00	18.00	7,078,336.89	2,320,121.54	9,398,458.43	48,722,552.28	175.32
103	Structure Excavation	429.50	cu.m.	98,834.67	10.00	8.00	18.00	17,790.24	5,831.25	23,621.49	122,456.16	285.11
103(3)	Foundation Fill	5.00	cu. m.	4,304.36	10.00	8.00	18.00	774.78	253.96	1,028.74	5,333.10	1,066.62
103(6)a	Pipe Culvert and Drain Excavation	79.50	cu.m.	18,294.19	10.00	8.00	18.00	3,292.95	1,079.36	4,372.31	22,666.51	285.11
104(1)a1	Embankment from Excavation	1,613.00	cu.m.	333,445.68	10.00	8.00	18.00	60,020.22	19,673.30	79,693.52	413,139.20	256.13
105(1)a	Subgrade Preparation	5,902.50	sq.m.	94,313.10	10.00	8.00	18.00	16,976.36	5,564.47	22,540.83	116,853.93	19.80
200(1)	Aggregate Subbase Course, 0.30 m. thick	3,141.00	cu. m.	3,302,827.46	10.00	8.00	18.00	594,508.94	194,866.82	789,375.76	4,092,203.22	1,302.83
300(1)	Aggregate Surface Course, 0.15m. Thick	171.50	cu. m.	207,355.68	10.00	8.00	18.00	37,324.02	12,233.98	49,558.01	256,913.68	1,498.04
311(1)e1	Portland Cement Concrete Pavement, 0.28 m. thick	5,984.50	sq. m.	8,648,886.79	10.00	8.00	18.00	1,556,799.62	510,284.32	2,067,083.94	10,715,970.73	1,790.62
311(1)a	Portland Cement Concrete Pavement, 0.15 m thick	1,659.50	sq. m.	1,332,691.59	10.00	8.00	18.00	239,884.49	78,628.80	318,513.29	1,651,204.88	995.00
404(1)a	Reinforcing Steel, (Grade 40)	11,451.00	kg.	548,699.18	10.00	8.00	18.00	98,765.85	32,373.25	131,139.10	679,838.28	59.37
405(1)a3	Structural Concrete, Class"A"	273.00	cu.m.	1,684,639.77	10.00	8.00	18.00	303,235.16	99,393.75	402,628.91	2,087,268.68	7,645.67
500(1)b3	Reinf. Conc. Culvert Pipe, 910mm dia.	39.00	ln. m.	108,804.67	10.00	8.00	18.00	19,584.84	6,419.48	26,004.32	134,808.99	3,456.64
505(5)	Grouted Riprap, Class "A"	8.00	cu. m.	26,090.81	10.00	8.00	18.00	4,696.34	1,539.36	6,235.70	32,326.51	4,040.81
506	Stone Masonry	178.00	cu. m.	692,362.47	10.00	8.00	18.00	124,625.24	40,849.39	165,474.63	857,837.10	4,819.31
611(1)	Trees(Furnishing & Transplanting)	88.00	each	384,779.78	10.00	8.00	18.00	69,260.36	22,702.01	91,962.37	476,742.15	5,417.52
612(1)	Reflectorized Thermoplastic Pavement Marking, White	193.00	sq.m.	150,976.09	10.00	8.00	18.00	27,175.70	8,907.59	36,083.29	187,059.38	969.22
612(2)	Reflectorized Thermoplastic Pavement Marking, Yellow	81.50	sq.m.	74,214.92	10.00	8.00	18.00	13,358.69	4,378.68	17,737.37	91,952.28	1,128.25
622(1)	Bio-Engineered Coco Fiber Erosion Control Net	22,175.50	sq.m.	3,130,421.91	10.00	8.00	18.00	563,475.94	184,694.89	748,170.84	3,878,592.75	174.90
622(2)	Bio-Engineered Coco-logs Fascine Erosion Control System	1,520.00	ln.m.	701,034.44	10.00	8.00	18.00	126,186.20	41,361.03	167,547.23	868,581.67	571.44
622(3)	Bio-Engineered Erosion Control System Vegetation	22,175.50	sq.m.	1,986,388.45	10.00	8.00	18.00	357,549.92	117,196.92	474,746.84	2,461,135.29	110.98
A.1.1(3)	Construction of Field Office for the Engineer (7.0m X 9.0 m)	1.00	L. S.	458,527.28	10.00	8.00	18.00	82,534.91	27,053.11	109,588.02	568,115.30	568,115.30
A.1.1(11)	Provision of Furnitures/Fixtures, Equipment and Appliances for the Field Office for the Engineers	1.00	L. S.	200,598.00	10.00	8.00	18.00	36,107.64	11,835.28	47,942.92	248,540.92	248,540.92
B.5	Project Billboard/Signboard	2.00	units	7,358.90	10.00	8.00	18.00	1,324.60	434.18	1,758.78	9,117.68	4,558.84
B.7	Occupational Safety and Health Program	1.00	L. S.	165,002.88		8.00	8.00	13,200.23	8,910.16	22,110.39	187,113.27	187,113.27
B.4 (1)	Construction Survey and Staking	0.85	km.	25,473.46	10.00	8.00	18.00	4,585.22	1,502.93	6,088.16	31,561.62	37,131.31
B.9	Mobilization & Demobilization	1.00	L. S.	582,776.00			0.00	-	29,138.80	29,138.80	611,914.80	611,914.80

**64,293,196.38**

**79,531,800.35**

Prepared /Submitted by :

Recommending Approval:

Approved :

**BELEN A. SAPALLEDA**

Engineer IV - Chairman Estimating Committee

**CAYAMOMBAO D. DIA**

OIC - Assistant Regional Director

**JORGE U. SEBASTIAN, JR., CESO III**

Regional Director

NAME OF PROJECT : ROAD UPGRADING (GRAVEL TO PAVED) OF SIOCON-SIRAWAI-SIBUCO-LIMPAPA ROAD, ZAMBOANGA DEL NORTE, 2ND DEO

Chainage 3680 - Chainage 4280, L = 600.00 Inm., (K 2114 + 680.00-K 2115 + 280.00)  
 Chainage 7880-Chainage 8130, L = 250.00 In.m.  
 (K 2118 + 880.00 -K 2119 + 130.00)

BREAKDOWN OF ESTIMATED EXPENDITURES	% OF TOTAL	AMOUNT
I. ESTIMATED COST		
A. DIRECT COST		
A.1. Materials	22.62	19,002,685.18
A.2. Labor	1.77	1,490,202.07
A.3. Equipment Expenses	52.14	43,800,309.13
SUB-TOTAL (DIRECT COST)	76.54	P 64,293,196.38
B. INDIRECT COST (Per D.O. # 57)		
B.1. Overhead, Contingency & Misc. (10 % Max. of D.C.)	7.56	6,354,541.75
B.2. Profit (8 % Max. of D.C.)	6.07	5,096,833.63
C. VAT (5 % of D.C. and I.C. Per D.O. # 197 S.2016)	4.51	3,787,228.59
SUBTOTAL (CONTRACT COST)	94.68	P 79,531,800.35
II. ESTIMATED GOVERNMENT EXPENDITURES		
1. Engineering and Administrative Overhead (3.5%)	3.50	2,940,000.00
2. Detailed Engineering (1%)	0.00	
3. Reserved for the Payment of RROW	1.82	1,528,199.65
4. Provisional Sum	0.00	
TOTAL ESTIMATED PROJECT COST	100.00	P 84,000,000.00

Prepared :

Checked :

JOSEPHINE B. RENGQUIJO

Engineer II

JERALD R. BARRERA

Engineer II

Submitted :

Recommending Approval:

LEONCIO B. SOLAMILLO

Chief, Construction Division

CAYAMOMBAO D. DIA

OIC-Assistant Regional Director

Approved:

JORGE U. SEBASTIAN, JR., CESO III

Regional Director

Republic of the Philippines  
Department of Public Works and Highways

Bureau : DPWH  
Region : IX  
District/City : Zamboanga City

**PROGRAM OF WORK**  
(For all types of Project)

Date :

NAME/LOCATION OF PROJECT :  ROAD UPGRADING (GRAVEL TO PAVED) OF SIOCON-SIRAWAI-SIBUCO-LIMPAPA ROAD, ZAMBOANGA DEL NORTE, 2ND DEO	Appropriation	:	P	84,000,000.00
	Source of Funds	:		CY-2017
	Issued Obligated Authority	:		
	Released	:		
PROJECT CATEGORY :  NATIONAL ROAD	Cal. Days to Complete	:		297 Calendar Days
	Desirable Starting Date	:		Upon Approval
	Mode of Implementation	:		
PROJECT DESCRIPTION : Scope of Work : Road Upgrading(Gravel to Paved) Road Width : 6.70 mtrs. (PCCP thick .28m) Roadbed Width : 12.00 mtrs. Subbase Course : 0.30 m. thick Surface Course : 0.15 m. thick	NET LENGTH :			
				Chainage 3680 - Chainage 4280, L = 600.00 In.m., (K 2114 + 680.00-K 2115 + 280.00)
				Chainage 7880-Chainage 8130, L = 250.00 In.m. (K 2118 + 880.00 -K 2119 + 130.00)
				Net Length : <b>850.000</b> In.m.

MINIMUM EQUIPMENT REQUIREMENT :

TECH

Description	No.	Description	No.	Description	No.
Dumptruck (10-Wheeler)	12	Water Pump	1	Project Engineer	1
Transit Mixer	4	Concrete Paver	1	Materials Engineer	1
Bulldozer	2	Concrete Vibrator	2	Geometric Surveyor	1
Backhoe	3	Concrete Cutter	2	Foreman	1
Road Grader	2	Bar Cutter	1	Materials Lab. Tech.	1
Road Roller	2	Bar Bender	1	Mason	10
Payloader	4	Conc. Mixer (1-Bagger)	2	Carpenter	6
Water Truck	2	Plate Compactor	1	Laborers (Skilled)	10
Water Tank	2	Batching Plant	1	Laborers (Unskilled)	20
			1		

ESTIMATED COST OF PROPOSED WORK

ITEM NO.	DESCRIPTION	% OF TOTAL	UNIT	QUANTITY	DIRECT COST	
					TOTAL	UNIT COST
102(2)	Surplus Common Excavation	61.164	cu.m.	277,911.00	39,324,093.85	141.50
103	Structure Excavation	0.154	cu.m.	429.50	98,834.67	230.12
103(3)	Foundation Fill	0.007	cu. m.	5.00	4,304.36	860.87
103(6)a	Pipe Culvert and Drain Excavation	0.028	cu.m.	79.50	18,294.19	230.12
104(1 )a1	Embankment from Excavation	0.519	cu.m.	1,613.00	333,445.68	206.72
105(1)a	Subgrade Preparation	0.147	sq.m.	5,902.50	94,313.10	15.98
200(1)	Aggregate Subbase Course, 0.30 m. thick	5.137	cu. m.	3,141.00	3,302,827.46	1,051.52
300(1)	Aggregate Surface Course, 0.15m. Thick	0.323	cu. m.	171.50	207,355.68	1,209.07
311(1)e1	Portland Cement Concrete Pavement, 0.28 m. thick	13.452	sq. m.	5,984.50	8,648,886.79	1,445.21
311(1)a	Portland Cement Concrete Pavement, 0.15 m thick	2.073	sq. m.	1,659.50	1,332,691.59	803.07
404(1)a	Reinforcing Steel, (Grade 40)	0.853	kg.	11,451.00	548,699.18	47.92
405(1)a3	Structural Concrete, Class"A"	2.620	cu.m.	273.00	1,684,639.77	6,170.84
500(1)b3	Reinf. Conc. Culvert Pipe, 910mm dia.	0.169	ln. m.	39.00	108,804.67	2,789.86
505(5)	Grouted Riprap, Class "A"	0.041	cu. m.	8.00	26,090.81	3,261.35
506	Stone Masonry	1.077	cu. m.	178.00	692,362.47	3,889.68
611(1)	Trees(Furnishing & Transplanting)	0.598	each	88.00	384,779.78	4,372.50
612(1)	Reflectorized Thermoplastic Pavement Marking, White	0.235	sq.m.	193.00	150,976.09	782.26
612(2)	Reflectorized Thermoplastic Pavement Marking, Yellow	0.115	sq.m.	81.50	74,214.92	910.61
622(1)	Bio-Engineered Coco Fiber Erosion Control Net	4.869	sq.m.	22,175.50	3,130,421.91	141.17
622(2)	Bio-Engineered Coco-logs Fascine Erosion Control System	1.090	ln.m.	1,520.00	701,034.44	461.21
622(3)	Bio-Engineered Erosion Control System Vegetation	3.090	sq.m.	22,175.50	1,986,388.45	89.58
A.1.1(3)	Construction of Field Office for the Engineer (7.0m. X 9.0 m.)	0.713	L. S.	1.00	458,527.28	458,527.28
A.1.1(11)	Provision of Furnitures/Fixtures,Equipment and Appliances for theField Office for the Engineers	0.312	L. S.	1.00	200,598.00	200,598.00
B.5	Project Billboard/Signboard	0.011	units	2.00	7,358.90	3,679.45
B.7	Occupational Safety and Health Program	0.257	L. S.	1.00	165,002.88	165,002.88
B.4 (1)	Construction Survey and Staking	0.040	km.	0.85	25,473.46	29,968.78
B.9	Mobilization & Demobilization	0.906	L. S.	1.00	582,776.00	582,776.00
<b>TOTAL</b>					<b>P</b>	<b>64,293,196.38</b>