

APPROVED BUDGET FOR THE CONTRACT

RECONSTRUCTION FROM (ASPHALT TO CONCRETE) INCLUDING DRAINAGE OF SINDANGAN-LILOY ROAD , ZAMBOANGA DEL NORTE , 2ND DEO

Project Name and Location

Stations : K 1948 + 000 - K 1948 + 699.42, L = 699.42 Inm. K 1948 738.84 - K 1949 + 562.00, L = 823.16 Inm.

K 1950 + 000.00 - K 1951 + 000.00, L = 1,000.00 Inm. K 1951 + 158.00 - K 1951 + 503.00, L = 345.00

Length : 2,867.58

Contract Duration : **119 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)
PART A - FACILITIES FOR THE ENGINEER												
A.1.1(3)	Construction of Field Office for the Engineer (7.0m. X 9.0 m.)	1.00	L. S.	466,630.69	12.00	8.00	20.00	93,326.14	27,997.84	121,323.98	587,954.67	587,954.67
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		8.00	8.00	16,047.84	10,832.29	26,880.13	227,478.13	227,478.13
A. 1.2	Operation and Maintenance of Gov't Service Vehicle	1.00	L.S.	216,332.47			0.00	-	10,816.62	10,816.62	227,149.09	227,149.09
PART B - OTHER GENERAL REQUIREMENTS												
B.5	Project Billboard/Signboard	2.00	units	7,310.90	12.00	8.00	20.00	1,462.18	438.65	1,900.83	9,211.73	4,605.87
B.7	Occupational Safety and Health Program	1.00	L. S.	84,361.76		8.00	8.00	6,748.94	4,555.54	11,304.48	95,666.24	95,666.24
B.4 (1)	Construction Survey and Staking	2.87	km.	78,372.81	12.00	8.00	20.00	15,674.56	4,702.37	20,376.93	98,749.74	34,436.61
B.9	Mobilization & Demobilization	1.00	L. S.	273,644.00			0.00	-	13,682.20	13,682.20	287,326.20	287,326.20
PART C - EARTHWORK												
101(2)	Removal of Actual Structures/Obstruction(Extg. RCPC Headwall)	19.00	each	6,910.14	12.00	8.00	20.00	1,382.03	414.61	1,796.64	8,706.78	458.25
101(4)a	Removal of Structures & Obstructions(Removal of Extra RCPC 610mm dia.)	110.00	ln.m.	40,777.09	12.00	8.00	20.00	8,155.42	2,446.63	10,602.04	51,379.14	467.08
101(3)c2	Removal of Existing AC Pavement	17,492.00	sq.m.	1,587,735.72	12.00	8.00	20.00	317,547.14	95,264.14	412,811.29	2,000,547.01	114.37
101(6)	Removal of Actual Structures/Obstruction(Extg. V-Lined Canal)	21.00	cu.m.	7,034.16	12.00	8.00	20.00	1,406.83	422.05	1,828.88	8,863.04	422.05
103(3)	Foundation Fill	20.00	cu. m.	17,217.44	12.00	8.00	20.00	3,443.49	1,033.05	4,476.53	21,693.97	1,084.70
103(6)a	Pipe Culvert and Drain Excavation	478.50	cu.m.	110,110.34	12.00	8.00	20.00	22,022.07	6,606.62	28,628.69	138,739.03	289.95
104(1) a1	Embankment from Excavation	1,877.00	cu.m.	388,020.80	12.00	8.00	20.00	77,604.16	23,281.25	100,885.41	488,906.20	260.47
104(1)b1	Embankment (Common Borrow)	696.50	cu.m.	588,972.05	12.00	8.00	20.00	117,794.41	35,338.32	153,132.73	742,104.78	1,065.48
105(1)a	Subgrade Preparation	22,996.50	sq.m.	367,449.58	12.00	8.00	20.00	73,489.92	22,046.97	95,536.89	462,986.46	20.13
PART D - SUBBASE AND BASE COURSE												
200(1)	Ahhrerhate Subbase Course	4,784.50	cu. m.	5,675,582.03	12.00	8.00	20.00	1,135,116.41	340,534.92	1,475,651.33	7,151,233.35	1,494.67
PART E - SURFACE COURSES												
300(1)	Gravel Aggregate Surface Course, 0.15m. Thick	1,263.00	cu. m.	1,697,211.19	12.00	8.00	20.00	339,442.24	101,832.67	441,274.91	2,138,486.10	1,693.18
311(1)e1	Portland Cement Concrete Pavement, 0.28 m. thick	19,907.00	sq. m.	30,703,121.69	12.00	8.00	20.00	6,140,624.34	1,842,187.30	7,982,811.64	38,685,933.33	1,943.33
311(1)a	Portland Cement Concrete Pavement, 0.15 m thick	1,042.50	sq. m.	896,301.19	12.00	8.00	20.00	179,260.24	53,778.07	233,038.31	1,129,339.49	1,083.30
PART G- DRAINAGE AND SLOPE PROTECTION STRUCTURES												
500(1)b3	Reinf. Conc. Culvert Pipe, 910mm dia.	149.00	ln. m.	421,748.19	12.00	8.00	20.00	84,349.64	25,304.89	109,654.53	531,402.71	3,566.46
505(2)a	Grouted Riprap, Class "A"	35.50	cu. m.	121,074.80	12.00	8.00	20.00	24,214.96	7,264.49	31,479.45	152,554.24	4,297.30
506	Stone Masonry	111.00	cu. m.	449,445.47	12.00	8.00	20.00	89,889.09	26,966.73	116,855.82	566,301.29	5,101.81
PART E - MISCELLANEOUS STRUCTURES												
612(1)	Reflectorized Thermoplastic Pavement Marking, White	717.00	sq.m.	550,215.54	12.00	8.00	20.00	110,043.11	33,012.93	143,056.04	693,271.58	966.91
612(2)	Reflectorized Thermoplastic Pavement Marking, Yellow	142.00	sq.m.	124,280.63	12.00	8.00	20.00	24,856.13	7,456.84	32,312.96	156,593.59	1,102.77

45,080,458.66

56,662,577.92

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

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 : RECONSTRUCTION FROM (ASPHALT TO CONCRETE) INCLUDING DRAINAGE OF SINDANGAN-LILOY ROAD , ZAMBOANGA DEL NORTE , 2ND DEO	Appropriation : P 59,613,000.00 Source of Funds : CY-2017 Issued Obligated Authority : Released : Cal. Days to Complete : 119 Calendar Days Desirable Starting Date : Upon Approval Mode of Implementation :
PROJECT CATEGORY : NATIONAL ROAD	
PROJECT DESCRIPTION : Scope of Work : Reconstruction(Asphalt to Concrete) Road Width : 6.70 mtrs. (PCCP thick .28m) Roadbed Width : 12.00 mtrs. Subbase Course : 0.10 - 0.30 m. thick(variable) Surface Course : 0.15 m. thick	NET LENGTH : K 1948 + 000 - K 1948 + 699.42, L = 699.42 Inm. K 1948 738.84 - K 1949 + 562.00, L = 823.16 In.m. K 1950 + 000.00 - K 1951 + 000.00, L = 1,000.00 In.m. K 1951 + 158.00 - K 1951 + 503.00, L = 345.00 In.m. Net Length : 2,867.580 In.m. (5.74 lane km.)

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

ESTIMATED COST OF PROPOSED WORK

ITEM NO.	DESCRIPTION	% OF TOTAL	UNIT	QUANTITY	DIRECT COST	
					TOTAL	UNIT COST
PART A - FACILITIES FOR THE ENGINEER						
A.1.1(3)	Construction of Field Office for the Engineer (7.0m. X 9.0 m.)	1.035	L. S.	1.00	466,630.69	466,630.69
A.1.1(11)	Provision of Furnitures/Fixtures,Equipment and Appliances for theField Office for the Engineers	0.445	L. S.	1.00	200,598.00	200,598.00
A. 1.2	Operation and Maintenance of Gov't Service Vehicle	0.480	L.S.	1.00	216,332.47	216,332.47
PART B - OTHER GENERAL REQUIREMENTS						
B.5	Project Billboard/Signboard	0.016	units	2.00	7,310.90	3,655.45
B.7	Occupational Safety and Health Program	0.187	L. S.	1.00	84,361.76	84,361.76
B.4 (1)	Construction Survey and Staking	0.174	km.	2.87	78,372.81	27,330.64
B.9	Mobilization & Demobilization	0.607	L. S.	1.00	273,644.00	273,644.00
PART C - EARTHWORK						
101(2)	Removal ofActual Structures/Obstruction(Extg. RCPC Headwall)	0.015	each	19.00	6,910.14	363.69
101(4)a	Removal of Structures & Obstructions(Removal of Extg. RCCP,610mmdia.)	0.090	In.m.	110.00	40,777.09	370.70
101(3)c2	Removal of Existing AC Pavement	3.522	sq.m.	17,492.00	1,587,735.72	90.77
101(6)	Removal ofActual Structures/Obstruction(Extg. V-Lined Canal)	0.016	cu.m.	21.00	7,034.16	334.96
103(3)	Foundation Fill	0.038	cu. m.	20.00	17,217.44	860.87
103(6)a	Pipe Culvert and Drain Excavation	0.244	cu.m.	478.50	110,110.34	230.12
104(1)a1	Embankment from Excavation	0.861	cu.m.	1,877.00	388,020.80	206.72
104(1)b1	Embankment (Common Borrow)	1.306	cu.m.	696.50	588,972.05	845.62
105(1)a	Subgrade Preparation	0.815	sq.m.	22,996.50	367,449.58	15.98
PART D - SUBBASE AND BASE COURSE						
200(1)	Ahrrerhate Subbase Course	12.590	cu. m.	4,784.50	5,675,582.03	1,186.24
PART E - SURFACE COURSES						
300(1)	Gravel Aggregate Surface Course, 0.15m. Thick	3.765	cu. m.	1,263.00	1,697,211.19	1,343.79
311(1)e1	Portland Cement Concrete Pavement, 0.28 m. thick	68.107	sq. m.	19,907.00	30,703,121.69	1,542.33
311(1)a	Portland Cement Concrete Pavement, 0.15 m thick	1.988	sq. m.	1,042.50	896,301.19	859.76
PART G - DRAINAGE AND SLOPE PROTECTION STRUCTURES						
500(1)b3	Reinf. Conc. Culvert Pipe, 910mm dia.	0.936	In. m.	149.00	421,748.19	2,830.52
505(2)a	Grouted Riprap, Class "A"	0.269	cu. m.	35.50	121,074.80	3,410.56
506	Stone Masonry	0.997	cu. m.	111.00	449,445.47	4,049.06
PART E - MISCELLANEOUS STRUCTURES						
612(1)	Reflectorized Thermoplastic Pavement Marking, White	1.221	sq.m.	717.00	550,215.54	767.39
612(2)	Reflectorized Thermoplastic Pavement Marking, Yellow	0.276	sq.m.	142.00	124,280.63	875.22
TOTAL					P	45,080,458.66

