

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 : November 22, 2017

NAME/LOCATION OF PROJECT : Zamboanga City Roadmap to Recovery and Reconstruction (Z3R) Proposed Construction of Paniran-Kasanyangan Access Road, Valle Vista Subdivision, Kasanyangan, Zamboanga City	Appropriation : P 90,000,000.00 Source of Funds : Issued Obligated Authority : Released : Cal. Days to Complete : 246 Calendar Days Desirable Starting Date : Upon Approval Mode of Implementation : By Contract
PROJECT CATEGORY : LOCAL ROAD	NET LENGTH : BEG. STA. STA. 0 + 321.08 END STA. STA. 1 + 526.30 N.L. = 1,205.35 In.m.
PROJECT DESCRIPTION : Scope of Work : Unpaved to Paved Road Width : 6.10 meters, (PCCP 0.23 m. thk.) Roadbed Width : 12.00 meters Subbase Course : 0.30 meters Surface Course : 0.15 meters	

MINIMUM EQUIPMENT REQUIREMENT :			TECHNICAL PERSONNEL REQUIRED :		
Description	No.	Description	No.	Description	No.
Bulldozer (155 HP), D65A-8	1	Plate Compactor (5Hp)	2	Project Engineer	1
Payloader (1.50 cu.m.)	1	Concrete Paver, GP-2000 Slipform	1	Materials Engineer	1
Motorized Road Grader, G710A	1	Transit Mixer (5 cu.m.)	2	Autocad Operator	1
Vibratory Roller (10 m.t.), SP56	1	Concrete Saw, Blade Ø 14" (7.5 Hp)	1	Materials Lab. Tech.	1
Batching Plant (30 cu.m.)	1	Bar Cutter, Single Phase	1	Surveyor	1
Dumptruck (10 cu.m.)	2	Bar Bender	1	Safety Practitioner	1
Backhoe (0.80 cu.m.)	2	Service Crane (25 T,145 Hp)	1	Foreman	2
Water Truck	1	One Bagger Mixer	1	Carpenter	4
Cargo Truck (10T, 270 Hp)	2	Concrete Vibrator	1	Mason	8
				Laborer	15

ESTIMATED COST OF PROPOSED WORK						
ITEM NO.	DESCRIPTION	% OF TOTAL	UNIT	QUANTITY	DIRECT COST	
					TOTAL	UNIT COST
102(1)	Roadway Excavation (Unsuitable)	16.173	cu.m.	47,934.66	11,294,625.23	235.63
104(2)a	Embankment (from Borrow)	9.497	cu.m.	13,111.42	6,632,687.15	505.87
200(1)	Aggregate Subbase Course, 0.30m. Thick	5.197	cu.m.	4,134.35	3,629,425.97	877.87
311(1)c1	Portland Cement Concrete Pavement, 0.23m. Thick	3.237	sq.m.	1,958.00	2,260,707.74	1,154.60
500(1)a3	Reinf. Conc. Culvert Pipe, (910mm dia.)	0.873	In.m.	204.00	609,774.85	2,989.09
505(2)a	Grouted Riprap, Class "A"	10.460	cu.m.	2,730.95	7,304,711.53	2,674.79
104(5)	Boulder Fill (Rock Embankment)	45.067	cu.m.	40,411.15	31,473,466.33	778.83
600(4)	Concrete Curb and Gutter	2.730	In.m.	2,410.70	1,906,847.21	790.99
601(1)	Sidewalk	2.111	sq.m.	2,892.84	1,474,083.47	509.56
715(1)a	Geotextile	4.092	sq.m.	15,514.26	2,857,452.56	184.18
B.5	Project Billboard	0.012	unit	2.00	8,056.60	4,028.30
B.7	Occupational Safety and Health Program	0.198	months	6.00	137,985.32	22,997.55
B.9	Mobilization/Demobilization	0.354	l.s.	1.00	247,302.00	247,302.00
TOTAL		100.000			P 69,837,125.95	

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STATION LIMITS: BEG. STA. STA. 0 + 321.08 END STA. STA. 1 + 526.30

BREAKDOWN OF ESTIMATED EXPENDITURES	% OF TOTAL	AMOUNT
I. ESTIMATED COST		
A. DIRECT COST		
A.1. Materials	56.25	50,624,181.19
A.2. Labor	2.28	2,049,985.49
A.3. Equipment Expenses	19.07	17,162,959.26
SUB-TOTAL (DIRECT COST)	77.60	P 69,837,125.95
B. INDIRECT COST (Per D.O. # 22)		
B.1. Overhead, Contingency & Misc. (9% Max. of D.C.)	7.72	6,945,183.86
B.2. Profit (8 % Max. of D.C.)	6.19	5,567,185.92
C. VAT (5% of D.C. and I.C.)	4.57	4,117,474.79
SUBTOTAL (CONTRACT COST)	96.07	P 86,466,970.51
II. ESTIMATED GOVERNMENT EXPENDITURES		
1. Engineering and Administrative Overhead (3.50%)	3.50	3,150,000.00
2. Detailed Engineering (1%)		
3. Reserved for the Payment of RROW	0.00	-
4. Physical Reserved	0.43	383,029.49
TOTAL ESTIMATED PROJECT COST	100.00	P 90,000,000.00

Prepared:

Checked:

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Engineer II

Submitted:

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