



Republic of the Philippines
Department of Public Works and Highways

Bureau : DPWH

Region : VIII

District/City : Tacloban City District Engineering Office, Tacloban City

INDIVIDUAL PROGRAM OF WORKS

(For all Types of Projects)

Fixed

NAME/LOCATION OF PROJECTS:

UPGRADING OF DRAINAGE STRUCTURE ALONG ROAD - APITONG-PATERNO RD.
K0909+107 to K0909+434 and K0909+237 to K0909+324
TACLOBAN CITY

Appropriation: P 12,200,000.00
Source of Fund: GAA 2018
Released :
Calendar Days to Completed : 120 Calendar Days
Desirable Starting Date :

PROJECT CATEGORY (See Annex "A")

ROAD

PROJECT DESCRIPTION (See Annex "A")

TOTAL TARGET LENGTH = 414 LM.

K0909+107 to K0909+434 (RIGHT SIDE) - 327 LM.

BOX CULVERT = SPAN - 1.25 M. , HEIGHT - 1.5 M.

K0909+237 to K0909+324 (LEFT SIDE) - 87 LM.

MINIMUM EQUIPMENT REQUIRED

DESCRIPTION	NO.	DESCRIPTION	NO.
Backhoe w/ Pavement Breaker (0.80 cu.m)	1	Concrete Vibrator	2
Backhoe (0.80 cu.m.)	1	Concrete Screeder (5.5 Hp)	1
Dump Truck (12 yd ³)	2	Concrete Saw(7.5 Hp), Blade ø 14"	1
Payloader (1.50 cu.m.)	1	Bar Cutter, Single Phase	1
Motorized Road Grader (140 hp)	1	Lighting System/Tower Lights	1
Vibratory Roller (10 m.t.)	1	Bar Bender	1
Water Pump, 100 mm suction dia. (16 Hp)	1	One Bagger Mixer	1
Cargo Truck (2-5 mt)	1	Asphalt Paver (80Hp)	1
Cargo Truck (9-10 mt)	1	Low Bed Trailer with Prime Mover	1
Asphalt Distributor, 10ft. Wide (5 tons)	1	Boom Truck (2-5 m.t.)	1
Power Broom (2m wide)	1	Applicator Machine	1
Pneumatic Tire Roller (10 m.t.)	1	Kneading Machine	1
Tandem Steel Roller (10.10 m.t.)	1		

TECHNICAL PERSONNEL REQUIRED

DESCRIPTION	NO.
Project Engineer I	1
Material Engineer I	1
Construction Foreman	1
First Aider	1

LIST OF PROPOSED WORKS

ITEM NO.	DESCRIPTION	% OF	UNIT	QTY	DIRECT COST		ADJUSTED UNIT COST
					TOTAL	UNIT COST	
B.5	Project Billboard / Signboard	0.05	ea.	2.00	4,962.06	2,481.03	
B.7	Occupational Safety and Health Program	0.81	mo.	4.00	76,149.26	19,037.32	
B.8	Traffic Management	0.22	mo.	4.00	20,928.13	5,232.03	
B.9	Mobilization / Demobilization	0.98	l.s.	1.00	92,465.77	92,465.77	
101(1)	Removal of Structures and Obstruction	0.87	l.s.	1.00	82,572.76	82,572.76	
101 (3) b3	Removal of Actual Structures/Obstruction, 0.23m thk.(PCCP Unreinforced)	1.57	sq.m	1,288.80	148,611.53	115.31	
101 (3) d	Removal of Actual Structures/Obstruction, 0.10m thk.(Sidewalk)	0.20	sq.m	300.00	18,450.00	61.50	
101 (4) h	Removal of Actual Structures/Obstruction,(Curb and Gutter)	0.67	m	414.00	63,437.22	153.23	
103(6)a	Pipe Culverts and Drain Excavation (Common Soil)	3.81	cu.m	1,564.92	359,430.83	229.68	
105(1)a	Subgrade Preparation (Common Material)	0.22	sq.m	1,495.80	21,150.61	14.14	
200 (1)	Aggregate Subbase Course	2.20	cu.m	268.11	207,739.67	774.83	
302(2)	Emulsified Asphalt	0.35	sq.m.	813.50	33,491.80	41.17	
310 (a.3)	Bituminous Concrete Surface Course (50mm thk.)	8.20	sq.m.	813.50	774,110.33	951.58	
311(1)e1	PCC Pavement (Unreinforced),0.28 m thick (14 days)	17.17	sq.m.	1,288.80	1,620,781.99	1,257.59	
404(1)a	Reinforcing Steel, Grade 40	25.09	kg.	46,989.00	2,368,715.49	50.41	
405(1)a3	Structural Concrete Class A (20.68Mpa, 28 days)	32.50	cu.m.	500.94	3,068,327.63	6,125.14	
600(5)	Concrete Curb (Precast)	0.10	pc.	20.00	9,768.80	488.44	
600(6)	Concrete Gutter(Precast)	0.02	pc	4.00	2,079.76	519.94	
600(7)	Curb and Gutter(Precast)	3.38	pc	394.00	318,647.50	808.75	
605(1)ai3	Warning Signs (420mm x 675mm),W6-1P - Pedestrian and School Signs Slow Down Pedestrian Crossing	0.11	ea	2.00	10,108.56	5,054.28	
605(2)ai2	Regulatory Signs (600mm.), R6-8B - Miscellaneous Signs Pedestrian Crossing	0.34	ea	6.00	32,233.50	5,372.25	
612(1)	Reflectorized Thermoplastic Pavement Markings White	1.13	sq.m.	155.25	106,919.12	688.69	
		100.00			9,441,082.32		