



DPI REGIONAL OFFICE IX

PROGRAM OF WORK/BUDGET COST

FORM POW-2015-01-00

Project : Replacement of Permanent Weak Bridge - Vitali Bridge (Parallel Bridge) along Pagadian City - Zamboanga City Road, Zamboanga City

Project ID :

Location : Zamboanga City

Station Limits : 1864+700.00 - 1864+936.53 (Approach), 1864+936.53 - 1864+987.87 (Bridge), 1854+987.87 - 1865+097.03 (Approach)

Source of Funds : CY-2019

Net Length : (a) Road In.m - lane km
(b) Bridge 51.34 In.m
(c) Others 294.35 In.m (Approaches)

Target Start Date :
Total Project Duration : 360 Calendar Days
No. of Pre-determined : 46 Calendar Days
Unworkable Days : 37 Calendar Days

DESCRIPTION OF WORKS TO BE DONE	QUANTITY	UNIT	AS SUBMITTED		AS EVALUATED	
			% TOTAL	TOTAL DIRECT COST	% TOTAL	TOTAL DIRECT COST
PART A: Facilities for the Engineers			2.12%	1,570,597.91		
B: Other General Requirements			1.41%	1,045,100.36		
C: Earthworks			7.22%	5,348,806.49		
D: Subbase and Base Course			2.87%	2,127,061.53		
E: Surface Courses			6.33%	4,692,283.59		
F: Bridge Construction			52.83%	39,140,061.46		
G: Drainage and Slope Protection Structures			13.66%	10,116,846.74		
H: Miscellaneous Structure			0.10%	74,901.19		
J: Flood Control and Drainage			13.45%	9,966,602.65		

100.00%

74,082,261.92

EQUIPMENT:

BREAKDOWN OF EXPENDITURES:

DESCRIPTION	REQUIRED
(PLS. SEE FORM POW-2015-01B-00)	

	AS SUBMITTED	AS EVALUATED
1. Labor	4,836,892.67	
2. Materials	56,585,915.97	
3. Rental of Equipment	12,659,453.28	
4. Provisional Sum/Daywork	-	
5. OCM and Profit	13,009,994.59	
6. Value Added Tax	4,354,612.83	
7. EAO, 3.5%	3,325,000.00	
8. RROW Acquisition		
9. Physical Reseved (Contingency)	228,130.67	
10. TOTAL ESTIMATED COST	95,000,000.00	

	AS SUBMITTED	AS EVALUATED
A. Total Direct Cost	74,082,261.92	
B. OCM and Profit	13,009,994.59	
C. Value Added Tax	4,354,612.83	
D. Total Construction Cost	-	
E. Eng'g. & Administrative Overhead	3,325,000.00	
F. RROW Acquisition	-	
G. Physical Reserved (Contingency)	228,130.67	
H. TOTAL ESTIMATED COST	95,000,000.00	

Preparation and Submission:

Prepared by:

ELWICK P. ACUÑA
Engineer II
Maintenance Division

Checked/Submitted by:

ISIDRA A. ESTANISLAO
Engineer IV
Maintenance Division

Evaluation:
Reviewed by:

SATURNINO C. TORREFRANCA
District Engineer
Planning & Design Division

Approval:
Recommending Approval:

KHADAFF D. TANGGOL
Assistant Regional Director

Approved:

CAYAMBABO D. DIA
Regional Director



Replacement of Permanent Weak Bridge - Vitali Bridge (Parallel Bridge) along Pagadian City - Zamboanga City Road, Zamboanga City
Zamboanga City

FORM POW-2015-01A-00

ITEMIZED BREAKDOWN

ITEM NO.	DESCRIPTION	QUANTITY		UNIT	DIRECT COST				TOTAL UNIT COST		% DIRECT COST
		AS SUBMITTED	AS EVALUATED		TOTAL		UNIT COST		TOTAL		
					AS SUBMITTED	AS EVALUATED	AS SUBMITTED	AS EVALUATED	AS SUBMITTED	AS EVALUATED	
PART A	Facilities for the Engineers										
A.1.1(3)	Construction of Field Office for the Engineer	1.00		L.S.	440,195.91		440,195.91		545,402.74		0.59%
A.1.1(11)	Provision of Provision of Furnitures/Fixtures, Equipment and Appliances for the Field Office for the Field Engineer	1.00		L.S.	367,240.00		367,240.00		416,450.16		0.50%
A.1.2(5)	Operation and Maintenance of 4 x 4 Pick-Up Type Service Vehicle for the Engineer	12.00		month	763,162.00		63,596.83		66,776.68		1.03%
	TOTAL OF PART A				1,570,597.91						2.12%
PART B	Other General Requirements										
B.4(1)	Construction Survey & Staking	0.35		km.	15,350.46		44,405.27		55,018.12		0.02%
B.5	Project Billboard/Signboard	4.00		each	18,583.10		4,645.78		5,756.12		0.03%
B.7	Occupation Safety & Health	12.00		month	391,132.80		32,594.40		36,962.05		0.53%
B.9	Mobilization & Demobilization	1.00		L.S.	620,034.00		620,034.00		651,035.70		0.84%
	TOTAL OF PART B				1,045,100.36						1.41%
PART C	Earthworks										
101(1)	Removal of Structure/Obstructions	1.00		L.S.	2,399,011.20		2,399,011.20		2,972,374.88		3.24%
101(3)b5	Removal of Structure/Obstructions	2,321.00		sq.m.	444,618.21		191.56		237.35		0.60%
102(2)	Surplus Common Excavation	370.00		cu.m.	52,948.78		143.10		177.31		0.07%
103(2)a	Bridge Excavation, Common Soil	428.72		cu.m.	99,606.94		232.34		287.86		0.13%
103(2)b	Bridge Excavation, Soft Rock	686.00		cu.m.	238,985.89		348.38		431.64		0.32%
104(2)a	Embankment from Borrow	3,620.00		cu.m.	2,105,836.36		581.72		720.75		2.84%
105(1)a	Subgrade Preparation	486.00		sq.m.	7,799.11		16.05		19.88		0.01%
	TOTAL OF PART C				5,348,806.49						7.22%
PART D	Subbase and Base Course										
200(1)	Aggregate Subbase Course	1,320.00		cu.m.	2,127,061.53		1,611.41		1,996.54		2.87%
	TOTAL OF PART D				2,127,061.53						2.87%

ITEM NO.	DESCRIPTION	QUANTITY		UNIT	DIRECT COST				TOTAL UNIT COST		% DIRECT COST
					TOTAL		UNIT COST		TOTAL		
		AS SUBMITTED	AS EVALUATED		AS SUBMITTED	AS EVALUATED	AS SUBMITTED	AS EVALUATED	AS SUBMITTED	AS EVALUATED	
PART E	Surface Courses										
300(1)	Gravel Surface Course	129.00		cu.m.	210,987.27		1,635.56		2,026.46		0.28%
311(1)e1	Portland Cement Concrete Pavement	2,285.00		sq.m.	4,481,296.31		1,961.18		2,429.90		6.05%
	TOTAL OF PART E				4,692,283.59						6.33%
PART F	Bridge Construction										
400(1)a1	Precast Concrete Piles, furnished (400 mm x 400 mm)	1,596.00		m.	6,023,768.60		3,774.29		4,676.35		8.13%
400(6)	Structural Steel Sheet Piles, furnished	1,008.00		m.	2,508,805.43		2,488.89		3,083.74		3.39%
400(12)	Structural Steel Sheet Piles, driven	1,008.00		m.	1,015,760.13		1,007.70		1,248.54		1.37%
400(14)	Precast Concrete Piles, driven (soft strata)	1,520.00		m.	2,747,117.28		1,807.31		2,239.26		3.71%
400(16)a	Test Piles, furnished and driven	84.00		m.	378,488.38		4,505.81		5,582.70		0.51%
401(2)a	Concrete Railing	101.00		m.	352,390.83		3,489.02		4,322.89		0.48%
402(1)	Timber Structure	8.00		span	444,280.14		55,535.02		68,807.89		0.60%
403(5)a1	Structural Steel, Furnished, Fabricated and Erected	1,207.00		kg.	114,324.21		94.72		68,807.89		0.15%
404(1)a	Reinforcing Steel, Grade 40	12,157.80		kg.	597,901.35		49.18		60.93		0.81%
404(1)b	Reinforcing Steel, Grade 60	96,476.23		kg.	4,947,148.32		51.28		63.53		6.68%
405(1)b3	Structural Concrete, Class "A"	973.70		cu.m.	10,465,664.01		10,748.35		13,317.20		14.13%
406(1)f1	Prestressed Structural Concrete Member, Type IV-B	8.00		each	4,579,776.14		572,472.02		709,292.83		6.18%
406(1)f1	Prestressed Structural Concrete Member, Type IV-B	4.00		each	2,434,285.31		608,571.33		709,292.83		3.29%
407(8)	Lean Concrete	17.01		cu.m.	110,496.88		6,496.00		8,048.54		0.15%
412(1)	Elastomeric Bearing Pad	24.00		each	394,824.93		16,451.04		20,382.84		0.53%
414(1)	Forms and Falsework	1.00		L.S.	2,025,029.52		2,025,029.52		2,509,011.58		2.73%
	TOTAL OF PART F				39,140,061.46						52.83%
PART G	Drainage and Slope Protection Structures										
505(2)a	Grouted Riprap, Class "A"	348.21		cu.m.	1,556,824.61		4,470.94		5,539.49		2.10%
508(1)	Hand Laid Rock Embankment	4,283.00		cu.m.	8,560,022.13		1,998.60		2,476.27		11.55%
	TOTAL OF PART G				10,116,846.74						13.66%
PART H	Miscellaneous Structure										
612(1)	ReflectORIZED Thermoplastic Pavement Markings (White)	101.00		sq.m.	74,901.19		741.60		918.84		0.10%
	TOTAL OF PART H				74,901.19						0.10%
PART J	Flood Control and Drainage										
1702(1)	Structure Excavation	350.00		cu.m.	81,042.13		231.55		286.89		0.11%
1716(6)	Structural Steel Sheet Piles, furnished	2,316.00		ln.m.	5,764,279.13		2,488.89		3,083.74		7.78%
1716(12)	Structural Steel Sheet Piles, driven	2,316.00		ln.m.	2,333,829.82		1,007.70		1,248.54		3.15%
1716(16)	Structural Steel Sheet Test Piles, furnished and driven	12.00		ln.m.	40,892.38		3,407.70		4,222.14		0.06%
1710(2)a	Grouted Riprap, Class "A"	393.00		cu.m.	1,746,559.18		4,444.17		5,506.33		2.36%
	TOTAL OF PART J				9,966,602.65						13.45%
	GRAND TOTAL				74,082,261.92						86.55%



Replacement of Permanent Weak Bridge - Vitali Bridge (Parallel Bridge) along Pagadian City - Zamboanga City Road, Zamboanga City
Zamboanga City

FORM POW-2015-01B-00

MINIMUM EQUIPMENT REQUIREMENT

No.	Equipment Description	Capacity	Number of Equipment	No.	Equipment Description	Capacity	Number of Equipment
1	Dumptruck (10 Wheeler)	12 cu. Yd	10	26	Diesel Hammer		1
2	Bulldozer		2	27	Drop Hammer		1
3	Backhoe	0.83 cu.m/1.04 cu. Yd	3	28	Jack Hammer		2
4	Road Grader		2	29	Air Compressor	356 - 450 cfm	1
5	Road Roller	10 mt	2	30	Service Crane	21 - 25 mt.	1
6	Payloader	1.50 cu.m/1.95 cu.yd	4	31	Crawler Crane with Bucket	36 - 40 mt.	1
7	Water Truck/Pump	16000L	2	32	Truck Mounted Crane with Bucket	41 - 45 mt.	1
8	Water Tank		2	33	Stressing (Jack) Machine		1
9	Transit Mixer	5-6 cu. Yd	4	34			
10	Concrete Screeder		1	35			
11	Concrete Vibrator		2	36			
12	Concrete Cutter		2	37			
13	Bar Cutter		1	38			
14	Bar Bender		1	39			
15	One Bagger Mixer	4-6 cu.ft/min	2	40			
16	Plate Compactor		1	41			
17	Concrete Batching Plant		1	42			
18	Cargo Truck	2 - 5 mt	1	43			
19	Cargo Truck	9 - 10 mt	1	44			
20	Boom Truck		1	45			
21	Truck Mounted Crane		1	46			
22	Vibro Hammer	272.22 hp	1	47			
23	Generator Set	7000 kW	1	48			
24	Welding Machine	500A	1	49			
25	Cutting Outfit		2	50			
	SUB-TOTAL		51		SUB-TOTAL		9
TOTAL							60



D. REGIONAL OFFICE IX

Replacement of Permanent Weak Bridge - Vitali Bridge (Parallel Bridge) along Pagadian City - Zamboanga City Road, Zamboanga City
Zamboanga City

9167067600

FORM POW-2015-01C-00

ITEMIZED BREAKDOWN												
ITEM NO.	DESCRIPTION		DETAILED BREAKDOWN OF COMPONENT COST FOR EACH ITEM									TOTAL COST
			%	QTY	UNIT	DIRECT COST				TOTAL MARK-UP		5% VAT
						MATERIAL	LABOR	EQUIPMENT	TOTAL	%	VALUE	
PART A	Facilities for the Engineers											
A.1.1(3)	Construction of Field Office for the Engineer	AS EVALUATED										
		AS SUBMITTED	0.59%	1.00	L.S.	359,549.77	47,991.04	32,655.10	440,195.91	18.00%	79,235.26	545,402.74
A.1.1(11)	Provision of Provision of Furnitures/Fxtures, Equipment and Appliances for the Field Office for the Field Engineer	AS EVALUATED										
		AS SUBMITTED	0.50%	1.00	L.S.	367,240.00	-	-	367,240.00	8.00%	29,379.20	416,450.16
A.1.2(5)	Operation and Maintenance of 4 x 4 Pick-Up Type Service Vehicle for the Engineer	AS EVALUATED										
		AS SUBMITTED	1.03%	12.00	month	583,360.00	179,802.00	-	763,162.00	0.00%	-	801,320.10
	TOTAL OF PART A	AS EVALUATED										
		AS SUBMITTED	2.12%			1,310,149.77	227,793.04	32,655.10	1,570,597.91		108,614.46	1,763,173.00
PART B	Other General Requirements											
B.4(1)	Construction Survey & Staking	AS EVALUATED										
		AS SUBMITTED	0.02%	0.35	km.	3,811.23	9,704.54	1,834.68	15,350.46	18.00%	2,763.08	19,019.22
B.5	Project Billboard/Signboard	AS EVALUATED										
		AS SUBMITTED	0.03%	4.00	each	14,660.00	3,923.10	-	18,583.10	18.00%	3,344.96	23,024.46
B.7	Occupation Safety & Health	AS EVALUATED										
		AS SUBMITTED	0.53%	12.00	month	26,760.00	304,372.80	60,000.00	391,132.80	8.00%	31,290.62	443,544.60
B.9	Mobilization & Demobilization	AS EVALUATED										
		AS SUBMITTED	0.84%	1.00	L.S.	-	-	620,034.00	620,034.00	0.00%	-	651,035.70
	TOTAL OF PART B	AS EVALUATED										
		AS SUBMITTED	1.41%			45,231.23	318,000.44	681,868.68	1,045,100.36		37,398.66	1,136,623.97
PART C	Earthworks											
101(1)	Removal of Structure/Obstructions	AS EVALUATED										
		AS SUBMITTED	3.24%	1.00	L.S.	-	359,932.80	2,039,078.40	2,399,011.20	18.00%	431,822.02	2,972,374.88
101(3)b5	Removal of Structure/Obstructions	AS EVALUATED										
		AS SUBMITTED	0.60%	2,321.00	sq.m.	-	26,282.45	418,335.76	444,618.21	18.00%	80,031.28	550,881.96
102(2)	Surplus Common Excavation	AS EVALUATED										
		AS SUBMITTED	0.07%	370.00	cu.m.	-	1,127.04	51,821.75	52,948.78	18.00%	9,530.78	65,603.54
103(2)a	Bridge Excavation, Common Soil	AS EVALUATED										
		AS SUBMITTED	0.13%	428.72	cu.m.	-	5,255.97	94,350.97	99,606.94	18.00%	17,929.25	123,413.00
103(2)b	Bridge Excavation, Soft Rock	AS EVALUATED										
		AS SUBMITTED	0.32%	686.00	cu.m.	-	12,014.49	226,971.40	238,985.89	18.00%	43,017.46	296,103.52
104(2)a	Embankment from Borrow	AS EVALUATED										
		AS SUBMITTED	2.84%	3,620.00	cu.m.	1,757,283.75	13,232.01	335,320.60	2,105,836.36	18.00%	379,050.54	2,609,131.24
105(1)a	Subgrade Preparation	AS EVALUATED										
		AS SUBMITTED	0.01%	486.00	sq.m.	-	296.08	7,503.03	7,799.11	18.00%	1,403.84	9,663.09
	TOTAL OF PART C	AS EVALUATED										
		AS SUBMITTED	7.22%			1,757,283.75	418,140.83	3,173,381.90	5,348,806.49		962,785.17	6,627,171.24
PART D	Subbase and Base Course											
200(1)	Aggregate Subbase Course	AS EVALUATED										
		AS SUBMITTED	2.87%	1,320.00	cu.m.	1,999,965.00	4,824.93	122,271.60	2,127,061.53	18.00%	382,871.08	2,635,429.24
	TOTAL OF PART D	AS EVALUATED										
		AS SUBMITTED	2.87%			1,999,965.00	4,824.93	122,271.60	2,127,061.53		382,871.08	2,635,429.24

ITEM NO.	DESCRIPTION		DETAILED BREAKDOWN OF COMPONENT COST FOR EACH ITEM										
			%	QTY	UNIT	DIRECT COST				TOTAL MARK-UP		5% VAT	TOTAL COST
						MATERIAL	LABOR	EQUIPMENT	TOTAL	%	VALUE		
PART E	Surface Courses												
300(1)	Gravel Surface Course	AS EVALUATED											
		AS SUBMITTED	0.28%	129.00	cu.m.	198,566.48	471.53	11,949.27	210,987.27	18.00%	37,977.71	12,448.25	261,413.23
311(1)e1	Portland Cement Concrete Pavement	AS EVALUATED											
		AS SUBMITTED	6.05%	2,285.00	sq.m.	3,966,433.93	36,312.13	478,550.26	4,481,296.31	18.00%	806,633.34	264,396.48	5,552,326.13
	TOTAL OF PART E	AS EVALUATED											
		AS SUBMITTED	6.33%			4,165,000.41	36,783.65	490,499.53	4,692,283.59		844,611.05	276,844.73	5,813,739.36
PART F	Bridge Construction												
400(1)a1	Precast Concrete Piles, furnished (400 mm x 400 mm)	AS EVALUATED											
		AS SUBMITTED	8.13%	1,596.00	m.	4,834,178.66	460,447.60	729,142.34	6,023,768.60	18.00%	1,084,278.35	355,402.35	7,463,449.29
400(6)	Structural Steel Sheet Piles, furnished	AS EVALUATED											
		AS SUBMITTED	3.39%	1,008.00	ln.m.	2,467,584.00	4,306.75	36,914.68	2,508,805.43	18.00%	451,584.98	148,019.52	3,108,409.92
400(12)	Structural Steel Sheet Piles, driven	AS EVALUATED											
		AS SUBMITTED	1.37%	1,008.00	ln.m.	102,427.36	75,585.89	837,746.88	1,015,760.13	18.00%	182,836.82	59,929.85	1,258,526.80
400(14)	Precast Concrete Piles, driven (soft strata)	AS EVALUATED											
		AS SUBMITTED	3.71%	1,520.00	m.	947,604.48	474,911.33	1,324,601.47	2,747,117.28	18.00%	494,481.11	162,079.92	3,403,678.31
400(16)a	Test Piles, furnished and driven	AS EVALUATED											
		AS SUBMITTED	0.51%	84.00	m.	279,041.62	26,245.10	73,201.66	378,488.38	18.00%	68,127.91	22,330.81	468,947.10
401(2)a	Concrete Railing	AS EVALUATED											
		AS SUBMITTED	0.48%	101.00	m.	253,207.36	82,780.12	16,403.35	352,390.83	18.00%	63,430.35	20,791.06	436,612.23
402(1)	Timber Structure	AS EVALUATED											
		AS SUBMITTED	0.60%	8.00	span	140,738.00	47,991.04	255,551.10	444,280.14	18.00%	79,970.43	26,212.53	550,463.10
403(5)a1	Structural Steel, Furnished, Fabricated and Erected	AS EVALUATED											
		AS SUBMITTED	0.15%	1,207.00	kg	96,971.05	2,542.36	14,810.80	114,324.21	18.00%	20,578.36	6,745.13	141,647.69
404(1)a	Reinforcing Steel, Grade 40	AS EVALUATED											
		AS SUBMITTED	0.81%	12,157.80	kg.	510,627.60	40,282.17	46,991.59	597,901.35	18.00%	107,622.24	35,276.18	740,799.78
404(1)b	Reinforcing Steel, Grade 60	AS EVALUATED											
		AS SUBMITTED	6.68%	96,476.23	kg.	4,254,601.74	319,652.55	372,894.03	4,947,148.32	18.00%	890,486.70	291,881.75	6,129,516.77
405(1)b3	Structural Concrete, Class "A"	AS EVALUATED											
		AS SUBMITTED	14.13%	973.70	cu.m.	9,709,979.83	140,456.71	615,227.48	10,465,664.01	18.00%	1,883,819.52	617,474.18	12,966,957.71
406(1)f1	Prestressed Structural Concrete Member, Type IV-B	AS EVALUATED											
		AS SUBMITTED	6.18%	8.00	each	2,688,000.00	628,007.04	1,263,769.10	4,579,776.14	18.00%	824,359.71	270,206.79	5,674,342.64
406(1)f1	Prestressed Structural Concrete Member, Type IV-B	AS EVALUATED											
		AS SUBMITTED	3.29%	4.00	each	2,208,000.00	69,240.24	157,045.07	2,434,285.31	18.00%	438,171.36	143,622.83	3,016,079.50
407(8)	Lean Concrete	AS EVALUATED											
		AS SUBMITTED	0.15%	17.01	cu.m.	99,104.51	2,979.10	8,413.27	110,496.88	18.00%	19,889.44	6,519.32	136,905.64
412(1)	Elastomeric Bearing Pad	AS EVALUATED											
		AS SUBMITTED	0.53%	24.00	each	388,038.63	4,386.30	2,400.00	394,824.93	18.00%	71,068.49	23,294.67	489,188.09
414(1)	Forms and Falsework	AS EVALUATED											
		AS SUBMITTED	2.73%	1.00	L.S.	1,924,230.00	89,983.20	10,816.32	2,025,029.52	18.00%	364,505.31	119,476.74	2,509,011.58
	TOTAL OF PART F	AS EVALUATED											
		AS SUBMITTED	52.83%			30,904,334.83	2,469,797.50	5,765,929.13	39,140,061.46		7,045,211.06	2,309,283.63	48,494,536.15
PART G	Drainage and Slope Protection Structures												
505(2)a	Grouted Riprap, Class "A"	AS EVALUATED											
		AS SUBMITTED	2.10%	348.21	cu.m.	1,292,037.64	166,135.17	98,651.79	1,556,824.61	18.00%	280,228.43	91,852.65	1,928,905.69
	TOTAL OF PART G	AS EVALUATED											
		AS SUBMITTED	13.66%			8,952,932.67	983,523.45	180,390.62	10,116,846.74		1,821,032.41	596,893.96	12,534,773.11

ITEM NO.	DESCRIPTION		DETAILED BREAKDOWN OF COMPONENT COST FOR EACH ITEM										
			%	QTY	UNIT	DIRECT COST				TOTAL MARK-UP		5% VAT	TOTAL COST
						MATERIAL	LABOR	EQUIPMENT	TOTAL	%	VALUE		
PART H	Miscellaneous Structure												
612(1)	Reflectorized Thermoplastic Pavement Markings (White)	AS EVALUATED											
		AS SUBMITTED	0.10%	101.00	sq.m.	68,379.03	2,020.55	4,501.62	74,901.19	18.00%	13,482.22	4,419.17	92,802.58
	TOTAL OF PART H	AS EVALUATED											
		AS SUBMITTED	0.10%			68,379.03	2,020.55	4,501.62	74,901.19		13,482.22	4,419.17	92,802.58
PART J	Flood Control and Drainage												
1702(1)	Structure Excavation	AS EVALUATED											
		AS SUBMITTED	0.11%	350.00	cu.m.	-	4,040.58	77,001.56	81,042.13	18.00%	14,587.58	4,781.49	100,411.20
1716(6)	Structural Steel Sheet Piles, furnished	AS EVALUATED											
		AS SUBMITTED	7.78%	2,316.00	ln.m.	5,669,568.00	9,895.27	84,815.86	5,764,279.13	18.00%	1,037,570.24	340,092.47	7,141,941.84
1716(12)	Structural Steel Sheet Piles, driven	AS EVALUATED											
		AS SUBMITTED	3.15%	2,316.00	ln.m.	235,339.04	173,667.58	1,924,823.20	2,333,829.82	18.00%	420,089.37	137,695.96	2,891,615.15
1716(16)	Structural Steel Sheet Test Piles, furnished and driven	AS EVALUATED											
		AS SUBMITTED	0.06%	12.00	ln.m.	30,019.37	899.83	9,973.18	40,892.38	18.00%	7,360.63	2,412.65	50,665.66
1710(2)a	Grouted Riprap, Class "A"	AS EVALUATED											
		AS SUBMITTED	2.36%	393.00	cu.m.	1,447,712.87	187,505.02	111,341.30	1,746,559.18	18.00%	314,380.65	103,046.99	2,163,986.83
	TOTAL OF PART J	AS EVALUATED											
		AS SUBMITTED	13.45%			7,382,639.28	376,008.27	2,207,955.10	9,966,602.65		1,793,988.48	588,029.56	12,348,620.68
	GRAND TOTAL	AS EVALUATED											
		AS SUBMITTED	100.00%			56,585,915.97	4,836,892.67	12,659,453.28	74,082,261.92		13,009,994.59	4,354,612.83	91,446,869.33



DPW REGIONAL OFFICE IX

Replacement of Permanent Weak Bridge - Vitali Bridge (Parallel Bridge) along Pagadian City - Zamboanga City Road, Zamboanga City
Zamboanga City

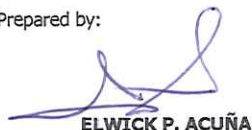
SUMMARY OF APPROVED BUDGET FOR THE CONTRACT

FORM POW-2015-02-00

DESCRIPTION OF WORKS TO BE DONE			ESTIMATED DIRECT COST	TOTAL MARK-UP		VAT	TOTAL INDIRECT COST	TOTAL COST
				%	TOTAL DIRECT COST			
PART A	Facilities for the Engineers	AS EVALUATED						
		AS SUBMITTED	1,570,597.91		108,614.46	83,960.62	192,575.08	1,763,173.00
PART B	Other General Requirements	AS EVALUATED						
		AS SUBMITTED	1,045,100.36		37,398.66	54,124.95	91,523.62	1,136,623.97
PART C	Earthworks	AS EVALUATED						
		AS SUBMITTED	5,348,806.49		962,785.17	315,579.58	1,278,364.75	6,627,171.24
PART D	Subbase and Base Courses	AS EVALUATED						
		AS SUBMITTED	2,127,061.53		382,871.08	125,496.63	508,367.71	2,635,429.24
PART E	Surface Courses	AS EVALUATED						
		AS SUBMITTED	4,692,283.59		844,611.05	276,844.73	1,121,455.78	5,813,739.36
PART F	Bridge Construction	AS EVALUATED						
		AS SUBMITTED	39,140,061.46		7,045,211.06	2,309,263.63	9,354,474.69	48,494,536.15
PART G	Drainage and Slope Protection Structures	AS EVALUATED						
		AS SUBMITTED	10,116,846.74		1,821,032.41	596,893.96	2,417,926.37	12,534,773.11
PART H	Miscellaneous Structure	AS EVALUATED						
		AS SUBMITTED	74,901.19		13,482.22	4,419.17	17,901.39	92,802.58
PART J	Flood Control and Drainage	AS EVALUATED						
		AS SUBMITTED	9,966,602.65		1,793,988.48	588,029.56	2,382,018.03	12,348,620.68
TOTAL		AS EVALUATED						
		AS SUBMITTED	74,082,261.92		13,009,994.59	4,354,612.83	17,364,607.41	91,446,869.33

Preparation and Submission:

Prepared by:


ELWICK P. ACUÑAEngineer II
Maintenance Division

Checked/Submitted by:


ISIDRA A. ESTANISLAOEngineer IV
Maintenance Division

Evaluation:

Reviewed by:


SATURNINO C. TORRE FRANCADistrict Engineer
Planning & Design Division

Approval:

Recommending Approval


KHADAFFY D. TANGGOL
OIC-Assistant Regional Director

Approved:


CAYAMOMBAO D. DIA
Regional Director



REGIONAL OFFICE IX

Replacement of Permanent Weak Bridge - Vitali Bridge (Parallel Bridge) along Pagadian City - Zamboanga City Road, Zamboanga City
Zamboanga City

FORM POW-2015-02A-00


ITEM NO.	DESCRIPTION		QTY	UNIT	ESTIMATED DIRECT COST	TOTAL MARK-UP		VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
						%	VALUE				
PART A	Facilities for the Engineers										
A.1.1(3)	Construction of Field Office for the Engineer	AS EVALUATED									
		AS SUBMITTED	1.00	L.S.	440,195.91	18.00%	79,235.26	25,971.56	105,206.82	545,402.74	545,402.74
A.1.1(11)	Provision of Provision of Furnitures/Fixtures, Equipment and Appliances for the Field Office for the Field Engineer	AS EVALUATED									
		AS SUBMITTED	1.00	L.S.	367,240.00	8.00%	29,379.20	19,830.96	49,210.16	416,450.16	416,450.16
A.1.2(5)	Operation and Maintenance of 4 x 4 Pick-Up Type Service Vehicle for the Engineer	AS EVALUATED									
		AS SUBMITTED	12.00	month	763,162.00	0.00%	-	38,158.10	38,158.10	801,320.10	66,776.68
	TOTAL OF PART A	AS EVALUATED									
		AS SUBMITTED			1,570,597.91		108,614.46	83,960.62	192,575.08	1,763,173.00	
PART B	Other General Requirements										
B.4(1)	Construction Survey & Staking	AS EVALUATED									
		AS SUBMITTED	0.35	km.	15,350.46	18.00%	2,763.08	905.68	3,668.76	19,019.22	55,018.12
B.5	Project Billboard/Signboard	AS EVALUATED									
		AS SUBMITTED	4.00	each	18,583.10	18.00%	3,344.96	1,096.40	4,441.36	23,024.46	5,756.12
B.7	Occupation Safety & Health	AS EVALUATED									
		AS SUBMITTED	12.00	month	391,132.80	8.00%	31,290.62	21,121.17	52,411.80	443,544.60	36,962.05
B.9	Mobilization & Demobilization	AS EVALUATED									
		AS SUBMITTED	1.00	L.S.	620,034.00	0.00%	-	31,001.70	31,001.70	651,035.70	651,035.70
	TOTAL OF PART B	AS EVALUATED									
		AS SUBMITTED			1,045,100.36		37,398.66	54,124.95	91,523.62	1,136,623.97	
PART C	Earthworks										
101(1)	Removal of Structure/Obstructions	AS EVALUATED									
		AS SUBMITTED	1.00	L.S.	2,399,011.20	18.00%	431,822.02	141,541.66	573,363.68	2,972,374.88	2,972,374.88
101(3)b5	Removal of Structure/Obstructions	AS EVALUATED									
		AS SUBMITTED	2,321.00	sq.m.	444,618.21	18.00%	80,031.28	26,232.47	106,263.75	550,881.96	237.35
102(2)	Surplus Common Excavation	AS EVALUATED									
		AS SUBMITTED	370.00	cu.m.	52,948.78	18.00%	9,530.78	3,123.98	12,654.76	65,603.54	177.31
103(2)a	Bridge Excavation, Common Soil	AS EVALUATED									
		AS SUBMITTED	428.72	cu.m.	99,606.94	18.00%	17,929.25	5,876.81	23,806.06	123,413.00	287.86
103(2)b	Bridge Excavation, Soft Rock	AS EVALUATED									
		AS SUBMITTED	686.00	cu.m.	238,985.89	18.00%	43,017.46	14,100.17	57,117.63	296,103.52	431.64
104(2)a	Embankment from Borrow	AS EVALUATED									
		AS SUBMITTED	3,620.00	cu.m.	2,105,836.36	18.00%	379,050.54	124,244.34	503,294.89	2,609,131.24	720.75
105(1)a	Subgrade Preparation	AS EVALUATED									
		AS SUBMITTED	486.00	sq.m.	7,799.11	18.00%	1,403.84	460.15	1,863.99	9,663.09	19.88
	TOTAL OF PART C	AS EVALUATED									
		AS SUBMITTED			5,348,806.49		962,785.17	315,579.58	1,278,364.75	6,627,171.24	

ITEM NO.	DESCRIPTION		QTY	UNIT	ESTIMATED DIRECT COST	TOTAL MARK-UP		VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
						%	VALUE				
PART D	Subbase and Base Course										
200(1)	Aggregate Subbase Course	AS EVALUATED									
		AS SUBMITTED	1,320.00	cu.m.	2,127,061.53	18.00%	382,871.08	125,496.63	508,367.71	2,635,429.24	1,996.54
	TOTAL OF PART D	AS EVALUATED									
		AS SUBMITTED			2,127,061.53		382,871.08	125,496.63	508,367.71	2,635,429.24	
PART E	Surface Courses										
300(1)	Gravel Surface Course	AS EVALUATED									
		AS SUBMITTED	129.00	cu.m.	210,987.27	18.00%	37,977.71	12,448.25	50,425.96	261,413.23	2,026.46
311(1)e1	Portland Cement Concrete Pavement	AS EVALUATED									
		AS SUBMITTED	2,285.00	sq.m.	4,481,296.31	18.00%	806,633.34	264,396.48	1,071,029.82	5,552,326.13	2,429.90
	TOTAL OF PART E	AS EVALUATED									
		AS SUBMITTED			4,692,283.59		844,611.05	276,844.73	1,121,455.78	5,813,739.36	
PART F	Bridge Construction										
400(1)a1	Precast Concrete Piles, furnished (400 mm x 400 mm)	AS EVALUATED									
		AS SUBMITTED	1,596.00	m.	6,023,768.60	18.00%	1,084,278.35	355,402.35	1,439,680.69	7,463,449.29	4,676.35
400(6)	Structural Steel Sheet Piles, furnished	AS EVALUATED									
		AS SUBMITTED	1,008.00	ln.m.	2,508,805.43	18.00%	451,584.98	148,019.52	599,604.50	3,108,409.92	3,083.74
400(12)	Structural Steel Sheet Piles, driven	AS EVALUATED									
		AS SUBMITTED	1,008.00	ln.m.	1,015,760.13	18.00%	182,836.82	59,929.85	242,766.67	1,258,526.80	1,248.54
400(14)	Precast Concrete Piles, driven (soft strata)	AS EVALUATED									
		AS SUBMITTED	1,520.00	m.	2,747,117.28	18.00%	494,481.11	162,079.92	656,561.03	3,403,678.31	2,239.26
400(16)a	Test Piles, furnished and driven	AS EVALUATED									
		AS SUBMITTED	84.00	m.	378,488.38	18.00%	68,127.91	22,330.81	90,458.72	468,947.10	5,582.70
401(2)a	Concrete Railing	AS EVALUATED									
		AS SUBMITTED	101.00	m.	352,390.83	18.00%	63,430.35	20,791.06	84,221.41	436,612.23	4,322.89
402(1)	Timber Structure	AS EVALUATED									
		AS SUBMITTED	8.00	span	444,280.14	18.00%	79,970.43	26,212.53	106,182.95	550,463.10	68,807.89
403(5)a1	Structural Steel, Furnished, Fabricated and Erected	AS EVALUATED									
		AS SUBMITTED	1,207.00	kg	114,324.21	18.00%	20,578.36	6,745.13	27,323.49	141,647.69	117.36
404(1)a	Reinforcing Steel, Grade 40	AS EVALUATED									
		AS SUBMITTED	12,157.80	kg.	597,901.35	18.00%	107,622.24	35,276.18	142,898.42	740,799.78	60.93
404(1)b	Reinforcing Steel, Grade 60	AS EVALUATED									
		AS SUBMITTED	96,476.23	kg.	4,947,148.32	18.00%	890,486.70	291,881.75	1,182,368.45	6,129,516.77	63.53
405(1)b3	Structural Concrete, Class "A"	AS EVALUATED									
		AS SUBMITTED	973.70	cu.m.	10,465,664.01	18.00%	1,883,819.52	617,474.18	2,501,293.70	12,966,957.71	13,317.20
406(1)f1	Prestressed Structural Concrete Member, Type IV-B	AS EVALUATED									
		AS SUBMITTED	8.00	each	4,579,776.14	18.00%	824,359.71	270,206.79	1,094,566.50	5,674,342.64	709,292.83
406(1)f1	Prestressed Structural Concrete Member, Type IV-B	AS EVALUATED									
		AS SUBMITTED	4.00	each	2,434,285.31	18.00%	438,171.36	143,622.83	581,794.19	3,016,079.50	754,019.88
407(8)	Lean Concrete	AS EVALUATED									
		AS SUBMITTED	17.01	cu.m.	110,496.88	18.00%	19,889.44	6,519.32	26,408.76	136,905.64	8,048.54
412(1)	Elastomeric Bearing Pad	AS EVALUATED									
		AS SUBMITTED	24.00	each	394,824.93	18.00%	71,068.49	23,294.67	94,363.16	489,188.09	20,382.84
414(1)	Forms and Falsework	AS EVALUATED									
		AS SUBMITTED	1.00	L.S.	2,025,029.52	18.00%	364,505.31	119,476.74	483,982.06	2,509,011.58	2,509,011.58
	TOTAL OF PART E	AS EVALUATED									
		AS SUBMITTED			39,140,061.46		7,045,211.06	2,309,263.63	9,354,474.69	48,494,536.15	

ITEM NO.	DESCRIPTION		QTY	UNIT	ESTIMATED DIRECT COST	TOTAL MARK-UP		VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
						%	VALUE				
PART G	Drainage and Slope Protection Structures										
505(2)a	Grouted Riprap, Class "A"	AS EVALUATED									
		AS SUBMITTED	348.21	cu.m.	1,556,824.61	18.00%	280,228.43	91,852.65	372,081.08	1,928,905.69	5,539.49
508(1)	Hand Laid Rock Embankment	AS EVALUATED									
		AS SUBMITTED	4,283.00	cu.m.	8,560,022.13	18.00%	1,540,803.98	505,041.31	2,045,845.29	10,605,867.42	2,476.27
	TOTAL OF PART G	AS EVALUATED									
		AS SUBMITTED			10,116,846.74		1,821,032.41	596,893.96	2,417,926.37	12,534,773.11	
PART H	Miscellaneous Structure										
612(1)	Reflectorized Thermoplastic Pavement Markings (White)	AS EVALUATED									
		AS SUBMITTED	101.00	sq.m.	74,901.19	18.00%	13,482.22	4,419.17	17,901.39	92,802.58	918.84
	TOTAL OF PART H	AS EVALUATED									
		AS SUBMITTED			74,901.19		13,482.22	4,419.17	17,901.39	92,802.58	
PART J	Flood Control and Damage										
1702(1)	Structure Excavation	AS EVALUATED									
		AS SUBMITTED	350.00	sq.m.	81,042.13	18.00%	14,587.58	4,781.49	19,369.07	100,411.20	286.89
1716(6)	Structural Steel Sheet Piles, furnished	AS EVALUATED									
		AS SUBMITTED	2,316.00	sq.m.	5,764,279.13	18.00%	1,037,570.24	340,092.47	1,377,662.71	7,141,941.84	3,083.74
1716(12)	Structural Steel Sheet Piles, driven	AS EVALUATED									
		AS SUBMITTED	2,316.00	sq.m.	2,333,829.82	18.00%	420,089.37	137,695.96	557,785.33	2,891,615.15	1,248.54
1716(16)	Structural Steel Sheet Test Piles, furnished and driven	AS EVALUATED									
		AS SUBMITTED	12.00	sq.m.	40,892.38	18.00%	7,360.63	2,412.65	9,773.28	50,665.66	4,222.14
1710(2)a	Grouted Riprap, Class "A"	AS EVALUATED									
		AS SUBMITTED	393.00	sq.m.	1,746,559.18	18.00%	314,380.65	103,046.99	417,427.64	2,163,986.83	5,506.33
	TOTAL OF PART J	AS EVALUATED									
		AS SUBMITTED			9,966,602.65		1,793,988.48	588,029.56	2,382,018.03	12,348,620.68	
	GRAND TOTAL	AS EVALUATED									
		AS SUBMITTED			74,082,261.92		13,009,994.59	4,354,612.83	17,364,607.41	91,446,869.33	

Preparation and Submission:

Prepared by:


ELWICK P. ACUÑA
 Engineer II
 Maintenance Division

Checked/Submited by:


ISIDRA A. ESTANISLAO
 Engineer IV
 Maintenance Division

Evaluation:

Reviewed by:


SATURNINO C. TORRE FRANCA
 District Engineer
 Planning & Design Division

Item No./Description : A.1.1(3)
Unit of Measurement : Construction of Field Office for the Engineer
Output per hour-As Submitted : 1.00 L.S.
Output per hour-As Evaluated :

	Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1	Labor				
	a. Construction Foreman	1	64	86.51	5,536.48
	b. Masons	3	64	62.43	11,986.80
	c. Carpenters	3	64	62.43	11,986.80
	d. Laborers	6	64	48.13	18,480.96
	Sub-Total for A-1 As Submitted				47,991.04
A.2	Labor				
	Sub-Total for A-2 As Evaluated				
B.1	Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
	Equipment				
	a. One Bagger Mixer	1	48	172.00	8,256.00
	b. Water Truck	1	8	2,450.00	19,600.00
	Minor Tools 10% of Labor Cost				4,799.10
	Sub-Total for B-1 As Submitted				32,655.10
B.2	Equipment				
	Sub-Total for B-2 As Evaluated				
C.1	Total (A.1+B.1) - As Submitted				80,646.14
C.2	Total (A.2+B.2) - As Evaluated				
D.1	Output per Hour - As Submitted				
D.2	Output per Hour - As Evaluated				
E.1	Direct Unit Cost (C.1 ÷ D.1) - As Submitted				80,646.14
E.2	Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
F.1	Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
	Materials				
I Earthworks (Excavation, Embankment & Bedd	a. Gravel Bedding	cu.m.	3.50	1,863.50	6,522.25
	b. Selected Fill	cu.m.	10.00	388.35	3,883.50
	c. Soil Poisoning	L	2.50	1,900.00	4,750.00
II Concrete Works (Footings, Columns, Beams, & Slab on Grade)	a. Portland Cement	bag	90.00	308.00	27,720.00
	b. Crushed Gravel	cu.m.	21.00	1,863.50	39,133.50
	c. Washed Sand	cu.m.	18.00	2,073.50	37,323.00
III Reinforcing Bars (Footings, Columns, Beams, & Slab on Grade)	a. Deformed Round Bar, Grade 40	kg.	435.00	38.00	16,530.00
	b. No. 16 G.I. Tie Wire	kg.	20.00	80.00	1,600.00
IV Formworks (Columns & Beams)	a. Coco Lumber	bd.ft.	400.00	13.00	5,200.00
	b. Ordinary Plywood, 1/4" x 4' x 8'	pc.	18.00	610.00	10,980.00
	c. CWN Assorted	kg.	5.00	65.00	325.00
V Masonry Works (Masonry Wall & Plastering)	a. CHB 6" thk.	pc.	650.00	16.00	10,400.00
	b. Portland Cement	bag	45.00	308.00	13,860.00
	c. Washed Sand	cu.m.	8.00	2,073.50	16,588.00
	d. 10 mm. x 6 m. RSB	kg.	65.00	38.00	2,470.00
	e. No. 16 G.I. Tie Wire	kg.	2.50	100.00	250.00
VI Doors and Windows	a. D-1, Hollow Core Flush Type Swing Door,	set	2.00	1,765.26	3,530.52
	Complete with Accessories, 0.90 m. x 2.10 m.				
	b. W-1, Jalousie Window, 1.40 m. x 1.20 m.	set	2.00	924.00	1,848.00
	c. W-2, Jalousie Window, 2.80 m. x 1.20 m.	set	2.00	1,848.00	3,696.00

VII Steel Works						
a.	65 mm. x 65 mm. x 6 mm. Angle	kg.	350.00		48.00	16,800.00
b.	50 mm. x 50 mm. x 6 mm. Angle Bar	kg.	250.00		48.00	12,000.00
c.	50 mm. x 50 mm. x 4 mm. Angle Bar	kg.	100.00		48.00	4,800.00
d.	Purlins C - 150 x 50 x 3mm.	kg.	18.00		48.00	864.00
e.	16mm dia. Cross bracing	kg.	35.00		38.00	1,330.00
f.	16mm dia. Turn buckle	pc.	20.00		118.00	2,360.00
g.	12mm thk base plate	kg.	25.00		47.00	1,175.00
h.	10mm thk batten plate	kg.	15.00		47.00	705.00
i.	10mm dia. Sag rod	kg.	10.00		38.00	380.00
j.	20mm dia. X 350 mm anchor bolts	pc.	10.00		36.00	360.00
k.	Welding Rod	kg.	15.00		163.00	2,445.00
l.	Primer, Zinc Chromate	gal.	5.00		531.00	2,655.00
VIII Roofing Works						
a.	Pre-painted GI Roofing Sheet long span	sq.m.	55.00		420.00	23,100.00
b.	Pre-painted ridge roll ga 24, 0.60m width	ln.m.	10.00		189.00	1,890.00
c.	Pre-painted flashing, ga. 24	ln.m.	2.00		189.00	378.00
d.	Teckcrew 11/2"	pc.	1000.00		2.00	2,000.00
e.	Roof Sealant	L	2.00		250.00	500.00
IX Carpentry Works						
a.	Rough Lumber, sun dried tangule	bd.ft.	500.00		37.00	18,500.00
b.	Plywood, ordinary 1/4" x 4' x 8'	pc.	30.00		450.00	13,500.00
c.	Finishing Nails	kg.	5.00		110.00	550.00
d.	Common Wire Nails	kg.	10.00		65.00	650.00
e.	Wood Preservative Brown	L	5.00		400.00	2,000.00
X Electrical Works						
a.	2 x 40w Fluorescent lighting fixtures	set	5.00		1,030.00	5,150.00
b.	Porcelain Ceiling Outlet w/ female socket	pc	2.00		50.00	100.00
c.	Duplex Convenience outlet	pc	3.00		170.00	510.00
d.	two gang switch	pc	3.00		170.00	510.00
e.	3.5mm2 thw	roll	3.00		3,600.00	10,800.00
f.	8.00mm2 thw	m	25.00		70.00	1,750.00
g.	15mm dia. PVC pipe	pc	20.00		73.00	1,460.00
h.	15mm dia. PVC Coupling	pc	25.00		5.00	125.00
i.	15mm dia. PVC Elbow	pc	25.00		26.00	650.00
j.	15mm dia. PVC Clamp	pc	55.00		8.00	440.00
k.	20mm dia. RSC Pipe	pc	4.00		240.00	960.00
l.	20mm dia. RSC Coupling	pc	3.00		9.00	27.00
m.	20mm dia. RSC elbow	pc	3.00		30.00	90.00
n.	20mm dia. RSC Clamp	pc	10.00		18.00	180.00
o.	20mm dia. Service entrance cap	pc	2.00		100.00	200.00
p.	wire holder	pc	2.00		50.00	100.00
q.	utility box	pc	7.00		32.00	224.00
r.	octagonal box	pc	8.00		34.00	272.00
s.	electrical tape (big)	pc	7.00		31.00	217.00
t.	panel board (side main w/ braches)	set	2.00		1,627.00	3,254.00
XI Plumbing Works						
a.	Water Closet (include. Fitting & Accessories)	set	1.00		7,375.00	7,375.00
b.	Lavatory (include fitting & Accessories)	set	1.00		6,615.00	6,615.00
c.	1/2" GI Pipe S-40	pc	2.00		166.00	332.00
d.	1/2" Water Faucet	pc	2.00		321.00	642.00
e.	1/2" Assorted Connector	pc	8.00		20.00	160.00
f.	4" PVC series 1000	pc	1.00		640.00	640.00
g.	2" PVC series 1000	pc	1.00		305.00	305.00
h.	4" PVC assorted Connector	pc	6.00		77.00	462.00
i.	2" PVC assorted Connector	pc	8.00		56.00	448.00
Sub-Total for F-1 As Submitted						359,549.77
Equipment						
F.2						
Sub-Total for F-2 As Evaluated						
G.1	Direct Unit Cost (E.1+F.1) - As Submitted					440,195.91
G.2	Direct Unit Cost (E.2+F.2) - As Evaluated					
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted					44,019.59
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated					
I.1	Contractor's Profit - As Submitted					35,215.67
I.2	Contractor's Profit - As Evaluated					
J.1	Value Added Tax - As Submitted					25,971.56
J.2	Value Added Tax - As Evaluated					
K.1	Total Unit Cost - As Submitted					545,402.74
K.2	Total Unit Cost - As Evaluated					

Prepared by:

Checked/Reviewed


ELWICK P. ACUÑA
 Engineer II


ISIDRA AL ESTANISLAO
 Engineer IV

Item No./Description : A.1.1(11)
Unit of Measurement : Provision of Provision of Furnitures/Fixtures, Equipment and Appliances for the Field Office for the Field
Output per hour-As Submitted : 1.00 L.S.
Output per hour-As Evaluated : -

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
Sub-Total for A-1 As Submitted				-
A.2				
Sub-Total for A-2 As Evaluated				
B.1				
Equipment	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Sub-Total for B-1 As Submitted				-
B.2				
Equipment				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				-
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				-
D.2				
Output per Hour - As Evaluated				-
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				-
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
Name and Specification				
Materials	Unit	Quantity	Unit Cost	Amount (Php.)
Office Equipment/Facilities & Supplies				
a. Electric Desk Fan	unit	2.00	1,370.00	2,740.00
b. Folding Beds, Good Quality	each	2.00	2,700.00	5,400.00
c. pillows w/ pillow cases, fitted sheets and blanket	each	2.00	5,000.00	10,000.00
d. Double burner gas stove (Gasul)	unit	1.00	3,700.00	3,700.00
e. 10 cups Rice Cooker	unit	1.00	2,500.00	2,500.00
f. Various Office Supply	L.S.	1.00	45,000.00	45,000.00
(Folders, Bond Paper, Yellow Pads, Ball Pens, Pencil, Envelopes, etc.)				
F.1				
g. Kitchenware	L.S.	1.00	30,000.00	30,000.00
(Plates, Spoons & Forks, Glasses, etc.)				
h. Dining Table	set	1.00	8,000.00	8,000.00
i. Digital Camera	set	2.00	12,000.00	24,000.00
j. Cellphone	set	4.00	15,000.00	60,000.00
k. Desktop Computer	set	1.00	95,000.00	95,000.00
l. Printer	set	1.00	14,900.00	14,900.00
Lighting/Water Fixtures				
a. Electrical Bill	mo.	12.00	3,000.00	36,000.00
b. Water Bill	mo.	12.00	1,500.00	18,000.00
c. LPG (11 kg)	mo.	12.00	1,000.00	12,000.00
Sub-Total for F-1 As Submitted				367,240.00
Equipment				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				367,240.00
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				-
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				29,379.20
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				19,830.96
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				416,450.16
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed


ELWICK P. ACUÑA
Engineer II


ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : A.1.2(5)
 Unit of Measurement : Operation and Maintenance of 4 x 4 Pick-Up Type Service Vehicle for the Engineer
 Output per hour-As Submitted : 12.00 month
 Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Driver	1	2,880.00	62.43	179,802.00
Sub-Total for A-1 As Submitted				179,802.00
A.2				
Labor				
Sub-Total for A-2 As Evaluated				
B.1				
Equipment	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Sub-Total for B-1 As Submitted				-
B.2				
Equipment				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				179,802.00
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				-
D.2				
Output per Hour - As Evaluated				-
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				-
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
F.1				
Materials	Unit	Quantity	Unit Cost	Amount (Php.)
a. Diesel	L	14,400.00	31.00	446,400.00
b. Spare Parts	L.S.	1.00	40,000.00	40,000.00
c. Engine Oil & Lubricants	L.S.	1.00	66,960.00	66,960.00
d. Miscellaneous	L.S.	1.00	30,000.00	30,000.00
Sub-Total for F-1 As Submitted				583,360.00
F.2				
Equipment				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				583,360.00
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				-
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				-
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				29,168.00
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				612,528.00
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

ELWICK P. ACUÑA
 Engineer II

Checked/Reviewed

ISIDRA A. ESTANISLAO
 Engineer IV

Item No./Description : B.4(1)
Unit of Measurement : Construction Survey & Staking
Output per hour-As Submitted : 0.35 km.
Output per hour-As Evaluated : 0.04

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
For Field Works				
a. Geodetic Engineer	1	1	104.16	104.16
b. Skilled Laborer	3	1	62.43	187.29
c. Unskilled Laborer	3	1	48.13	144.38
For Office Works				
a. Geodetic Engineer	1	3	104.16	312.49
b. Skilled Laborer	2	3	62.43	374.59
Sub-Total for A-1 As Submitted				1,122.92
Labor				
Sub-Total for A-2 As Evaluated				
A.2				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
B.1 a. Total Station w/ Complete Accessories	1	1	100.00	100.00
Minor Tools 10% of Labor				112.29
Sub-Total for B-1 As Submitted				212.29
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				1,335.21
C.2 Total (A.2+B.2) - As Evaluated				-
D.1 Output per Hour - As Submitted				0.04
D.2 Output per Hour - As Evaluated				
E.1 Direct Unit Cost (C.1 ÷ D.1) - As Submitted				33,380.27
E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
F.1 a. Standard Stake Plan (800 mm x 910 mm)	pc.	20.00	400.00	8,000.00
b. Blue Printing	pc.	100.00	25.00	2,500.00
Miscellaneous 5% of Material Cost				525.00
Sub-Total for F-1 As Submitted				11,025.00
Equipment				
F.2				
Sub-Total for F-2 As Evaluated				
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				44,405.27
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				4,440.53
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1 Contractor's Profit - As Submitted				3,552.42
I.2 Contractor's Profit - As Evaluated				-
J.1 Value Added Tax - As Submitted				2,619.91
J.2 Value Added Tax - As Evaluated				-
K.1 Total Unit Cost - As Submitted				55,018.12
K.2 Total Unit Cost - As Evaluated				-

Prepared by:


ELWICK P. ACUÑA
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : B.5
Unit of Measurement : Project Billboard/Signboard
Output per hour-As Submitted : 4.00 each
Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	16	86.51	1,384.12
b. Skilled Laborer	1	16	62.43	998.90
c. Unskilled Laborer	2	16	48.13	1,540.08
Sub-Total for A-1 As Submitted				3,923.10
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
B.1				
Equipment	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Sub-Total for B-1 As Submitted				-
B.2				
Equipment				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				3,923.10
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				-
D.2				
Output per Hour - As Evaluated				-
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				-
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
Materials	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
a. Ordinary Plywood 1/2" thk. x 4' x 8'	pc.	4.00	750.00	3,000.00
b. Tarpaulin (4' x 8')	pc.	4.00	1,000.00	4,000.00
c. Assorted Lumber	bd.ft.	200.00	37.00	7,400.00
d. Assorted CW Nails	kg.	4.00	65.00	260.00
Sub-Total for F-1 As Submitted				14,660.00
Equipment				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				14,660.00
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				1,466.00
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				1,172.80
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				864.94
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				18,163.74
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

ELWICK P. ACUÑA
Engineer II

Checked/Reviewed

ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : B.7
Occupation Safety & Health
Unit of Measurement : 12.00 month
Output per hour-As Submitted :
Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Safety Practitioner	1	1440.00	86.51	124,570.80
b. First Aider	1	2880.00	62.43	179,802.00
Sub-Total for A-1 As Submitted				304,372.80
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
B.1				
Equipment	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
a. Warning Signs and Barricades				60,000.00
Sub-Total for B-1 As Submitted				60,000.00
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				364,372.80
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				-
D.2				
Output per Hour - As Evaluated				-
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				364,372.80
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
F.1				
Materials	Unit	Quantity	Unit Cost	Amount (Php.)
a. Rubber Boots (Long w/ Steel Toe, Black)	pair	24.00	400.00	9,600.00
b. Working Gloves (Maong Materials)	pair	24.00	15.00	360.00
c. Rain Coats (Reinforced, Hip Length)	pc	24.00	100.00	2,400.00
d. Safety Hats	pc	24.00	600.00	14,400.00
Sub-Total for F-1 As Submitted				26,760.00
F.2				
Equipment				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				391,132.80
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				
I.1				
Contractor's Profit - As Submitted				31,290.62
I.2				
Contractor's Profit - As Evaluated				
J.1				
Value Added Tax - As Submitted				21,121.17
J.2				
Value Added Tax - As Evaluated				
K.1				
Total Unit Cost - As Submitted				443,544.60
K.2				
Total Unit Cost - As Evaluated				

Prepared by:


ELWICK P. ACUÑA
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : B.9
Unit of Measurement : Mobilization & Demobilization
Output per hour-As Submitted : 1.00 L.S.
Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1 Labor				
Sub-Total for A-1 As Submitted				-
A.2 Labor				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. Low Bed Trailer	1	48	4,255.38	204,258.00
b. Water Truck	1	48	2,450.00	117,600.00
c. Backhoe	2	48	1,537.00	73,776.00
d. Dump Truck	4	48	1,420.00	68,160.00
e. Payloader	1	48	1,733.00	83,184.00
f. Service Crane	1	48	1,522.00	73,056.00
Sub-Total for B-1 As Submitted				620,034.00
Equipment				
B.2 Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				620,034.00
C.2 Total (A.2+B.2) - As Evaluated				-
D.1 Output per Hour - As Evaluated				-
D.2 Output per Hour - As Evaluated				
E.1 Direct Unit Cost (C.1 ÷ D.1) - As Submitted				620,034.00
E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1 Materials				
Sub-Total for F-1 As Submitted				-
Materials				
F.2 Sub-Total for F-2 As Evaluated				
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				620,034.00
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				62,003.40
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1 Contractor's Profit - As Submitted				49,602.72
I.2 Contractor's Profit - As Evaluated				-
J.1 Value Added Tax - As Submitted				36,582.01
J.2 Value Added Tax - As Evaluated				-
K.1 Total Unit Cost - As Submitted				768,222.13
K.2 Total Unit Cost - As Evaluated				-

Prepared by: 
ELWICK P. ACUÑA
Engineer II

Checked/Reviewed 
ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 101(1)
 Unit of Measurement : Removal of Structure/Obstructions
 Output per hour-As Submitted : 1.00 L.S.
 Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	480	86.51	41,523.60
b. Skilled Laborer	6	480	62.43	179,802.00
c. Unskilled Laborer	6	480	48.13	138,607.20
Sub-Total for A-1 As Submitted				359,932.80
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
B.1				
a. Backhoe w/ Pavement Breaker	1	384	1,998.10	767,270.40
b. Backhoe	1	384	1,537.00	590,208.00
c. Dump Truck (12 cu.yd.)	2	240	1,420.00	681,600.00
Sub-Total for B-1 As Submitted				2,039,078.40
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				2,399,011.20
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				-
D.2				
Output per Hour - As Evaluated				-
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				2,399,011.20
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				-
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
Sub-Total for F-1 As Submitted				-
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				2,399,011.20
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				239,901.12
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				191,920.90
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				141,541.66
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				2,972,374.88
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed

ELWICK P. ACUÑA

Engineer II

ISIDRA A. ESTANISLAO

Engineer IV

Replacement of Permanent Weak Brid

Vitali Bridge (Parallel Bridge) along Pagadian City -

yoanga City Road, Zamboanga City

Zamboanga City

FORM-POW-2015-01D-00

Item No./Description : 101(3)b5
 Removal of Structure/Obstructions
 Unit of Measurement : 2,321.00 sq.m.
 Output per hour-As Submitted : 24.64
 Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Foreman	1	1	86.51	86.51
b. Unskilled Laborer	4	1	48.13	192.51
Sub-Total for A-1 As Submitted				279.02
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
B.1				
a. Backhoe w/ Pavement Breaker	1	1	1,998.10	1,998.10
b. Payloader (1.50 cu.m.), LX80-2C	1	1	1,733.00	1,733.00
c. Dump Truck (12 cu.yd.)	1	0.5	1,420.00	710.00
Sub-Total for B-1 As Submitted				4,441.10
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				4,720.12
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				24.64
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				191.56
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
Sub-Total for F-1 As Submitted				-
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				191.56
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				19.16
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				15.33
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				11.30
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				237.35
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed

ELWICK P. ACUÑA

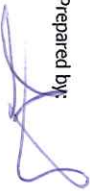
Engineer II

ISIDRA A. ESTANISLAO

Engineer IV

Item No./Description : 102(2)
 Unit of Measurement : Surplus Common Excavation
 Output per hour-As Submitted : 370.00 cu.m.
 Output per hour-As Evaluated : 60.00

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
A.1				
a. Foreman	1	1	86.51	86.51
b. Unskilled Laborer	2	1	48.13	96.26
Sub-Total for A-1 As Submitted				182.76
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
B.1				
a. Bulldozer, D6H SERIES II PSDS/DD	1	1	3,379.00	3,379.00
b. Payloader (1.50 cu.m.)	1	1	1,733.00	1,733.00
c. Payloader (1.50 cu.m.) - disposal site	1	0.25	1,733.00	433.25
c. Dump Truck (12 cu.yd.)	2	1	1,420.00	2,840.00
Minor Tools 10% of Labor				18.28
Sub-Total for B-1 As Submitted				8,403.53
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				8,586.29
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				60.00
D.2				
Output per Hour - As Evaluated				143.10
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
Sub-Total for F-1 As Submitted				-
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				143.10
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				14.31
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				11.45
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				8.44
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				177.31
K.2				
Total Unit Cost - As Evaluated				-

Prepared by: 
ELWICK P. ACUÑA
 Engineer II

Checked/Reviewed: 
ISIDRA A. ESTANISLAO
 Engineer IV

Item No./Description : 103(2)a
 Bridge Excavation, Common Soil
 Unit of Measurement : 428.72 cu.m.
 Output per hour-As Submitted : 20.00
 Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	1	86.51	86.51
b. Skilled Laborer	1	1	62.43	62.43
c. Unskilled Laborer	2	1	48.13	96.26
Sub-Total for A-1 As Submitted				245.19
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
B.1				
Equipment				
a. Dump Truck (12 cu.yd.)	2	1	1,420.00	2,840.00
b. Backhoe (0.80 cu.m.)	1	1	1,537.00	1,537.00
Minor Tools 10% of Labor				24.52
Sub-Total for B-1 As Submitted				4,401.52
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				4,646.71
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				20.00
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				232.34
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
Sub-Total for F-1 As Submitted				-
Equipment				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1 + F.1) - As Submitted				232.34
G.2				
Direct Unit Cost (E.2 + F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				23.23
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				18.59
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				13.71
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				287.86
K.2				
Total Unit Cost - As Evaluated				-

Prepared by: 
ELWICK P. ACUÑA
 Engineer II

Checked/Reviewed 
ISIDRA A. ESTANISLAO
 Engineer IV

Item No./Description : 103(2)b
 Bridge Excavation, Soft Rock
 Unit of Measurement : 686.00 cu.m.
 Output per hour-As Submitted : 14.00
 Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
A.1				
a. Foreman	1	1	86.51	86.51
b. Skilled Laborer	1	1	62.43	62.43
c. Unskilled Laborer	2	1	48.13	96.26
Sub-Total for A-1 As Submitted				245.19
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
B.1				
a. Dump Truck (12 cu.yd.)	2	1	1,420.00	2,840.00
b. Backhoe (0.80 cu.m.)	1	0.5	1,537.00	768.50
b. Backhoe w/ Breaker (0.80 cu.m.)	1	0.5	1,998.10	999.05
Minor Tools 10% of Labor				24.52
Sub-Total for B-1 As Submitted				4,632.07
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				4,877.26
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				14.00
D.2				
Output per Hour - As Evaluated				348.38
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
Sub-Total for F-1 As Submitted				-
Equipment				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				348.38
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				34.84
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				27.87
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				20.55
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				431.64
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

ELWICK P. ACUÑA
 Engineer II

Checked/Reviewed

ISIDRA A. ESTANISLAO
 Engineer IV

Item No./Description : 104(2)a
Unit of Measurement : Embankment from Borrow
Output per hour-As Submitted : 3,620.00 cu.m.
Output per hour-As Evaluated : 50.00

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
A.1				
a. Foreman	1	1	86.51	86.51
b. Unskilled Laborer	2	1	48.13	96.26
Sub-Total for A-1 As Submitted				182.76
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
B.1				
a. Motorized Road Grader (140 hp), G170A	1	1	2,173.00	2,173.00
b. Vibratory Roller (10 m), SD100C	1	1	1,846.00	1,846.00
c. Water Truck/Pump (16000L)	1	0.25	2,450.00	612.50
Sub-Total for B-1 As Submitted				4,631.50
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				4,814.26
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				50.00
D.2				
Output per Hour - As Evaluated				96.29
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
a. Common Borrow	cu.m.	1.25	388.35	485.44
(with 25% wastage factor)				
Sub-Total for F-1 As Submitted				485.44
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				581.72
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				58.17
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				46.54
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				34.32
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				720.75
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed

ELWICK P. ACUÑA

Engineer II

ISIDRA A. ESTANISLAO

Engineer IV

Replacement of Permanent Weak Bridge - Vitali Bridge (Parallel Bridge) along Pagadian City - Zamboanga City Road, Zamboanga City

Zamboanga City

FORM-POW-2015-01D-00

Item No./Description : 105(1)a
 Subgrade Preparation
 Unit of Measurement : 486.00 sq.m.
 Output per hour-As Submitted : 300.00
 Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
A.1				
a. Foreman	1	1	86.51	86.51
b. Unskilled Laborer	2	1	48.13	96.26
Sub-Total for A-1 As Submitted				182.76
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
B.1				
a. Backhoe (0.80 cu.m.)	1	1	2,173.00	2,173.00
b. Vibratory Roller (10 mt), SD100C	1	1	1,846.00	1,846.00
c. Water Truck/Pump (16000 L)	1	0.25	2,450.00	612.50
Sub-Total for B-1 As Submitted				4,631.50
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				4,814.26
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				300.00
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				16.05
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
Sub-Total for F-1 As Submitted				-
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				16.05
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				1.60
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				1.28
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				0.95
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				19.88
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed

ELWICK P. ACUÑA

Engineer II

ISIDRA A. ESTANISLAO

Engineer IV

Replacement of Permanent Weak Bridge - Vitali Bridge (Parallel Bridge) along Pagadian City - Zamboanga City Road, Zamboanga City

Zamboanga City

FORM-POW-2015-01D-00

Item No./Description : 200(1)
 Aggregate Subbase Course
 Unit of Measurement : 1,320.00 cu.m.
 Output per hour-As Submitted : 50.00
 Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Foreman	1	1	86.51	86.51
b. Unskilled Laborer	2	1	48.13	96.26
Sub-Total for A-1 As Submitted				182.76
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
B.1				
a. Motorized Road Grader (140 hp), G710A	1	1	2,173.00	2,173.00
b. Vibratory Roller (10 mt), SD100C	1	1	1,846.00	1,846.00
c. Water Truck/Pump (16000 L)	1	0.25	2,450.00	612.50
Sub-Total for B-1 As Submitted				4,631.50
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				4,814.26
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				50.00
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				96.29
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
F.1				
a. Aggregate Subbase Course	cu.m.	1.15	1,317.50	1,515.13
(with 15% wastage factor)				
Sub-Total for F-1 As Submitted				1,515.13
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				1,611.41
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				161.14
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				128.91
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				95.07
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				1,996.54
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed

ELWICK P. ACUÑA

Engineer II

ISIDRA A. ESTANISLAO

Engineer IV

Item No./Description : 300(1)
Gravel Surface Course
Unit of Measurement : 129.00 cu.m.
Output per hour-As Submitted : 50.00
Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Foreman	1	1	86.51	86.51
b. Unskilled Laborer	2	1	48.13	96.26
Sub-Total for A-1 As Submitted				182.76
Labor				
Sub-Total for A-2 As Evaluated				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
B.1				
a. Motorized Road Grader (140 hp), G710A	1	1	2,173.00	2,173.00
b. Vibratory Roller (10 mt), SD100C	1	1	1,846.00	1,846.00
c. Water Truck/Pump (16000 L)	1	0.25	2,450.00	612.50
Sub-Total for B-1 As Submitted				4,631.50
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				4,814.26
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				50.00
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				96.29
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
a. Uncrushed Aggregate Surface Course (with 15% wastage factor)	cu.m.	1.15	1,338.50	1,539.28
Sub-Total for F-1 As Submitted				1,539.28
Equipment				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				1,635.56
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				163.56
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				130.84
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				96.50
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				2,026.46
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed


ELWICK P. ACUÑA
Engineer II


ISIDRA A. ESTAMISLAO
Engineer IV

Item No./Description : 311(1)e1
 Unit of Measurement : Portland Cement Concrete Pavement
 Output per hour-As Submitted : 2,285.00 sq.m.
 Output per hour-As Evaluated : 57.50

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	1	86.51	86.51
b. Skilled Laborer	4	1	62.43	249.73
b. Unskilled Laborer	12	1	48.13	577.53
Sub-Total for A-1 As Submitted				913.76
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. Transit Mixer (5 cu.m.)	4	1	1,318.00	5,272.00
b. Concrete Vibrator	2	1	91.25	182.50
c. Concrete Batching Plant (30 cu.m.)	1	1	1,759.50	1,759.50
d. Payloader (1.50 cu.m.), LX80-2C	1	1	1,733.00	1,733.00
e. Concrete Screeder (5.5 hp)	1	1	545.00	545.00
B.1				
f. Water Truck/Pump (16000 L)	1	1	2,450.00	2,450.00
g. Concrete Saw (7.5 hp), 14" Blade dia.	1	1	32.63	32.63
h. Bar Cutter, Single Phase	1	0.1	219.75	21.98
Mnor Tools 5% of Labor				45.69
Sub-Total for B-1 As Submitted				12,042.29
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				12,956.06
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				57.50
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				225.32
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Reinforcing Steel Bar	kg.	0.50	38.00	19.00
b. Curing Compound	L	0.29	35.00	10.15
c. Asphalt Sealant	L	0.17	100.00	17.00
d. Steel Forms (Rental)	m.	0.46	60.00	27.60
F.1				
e. Sand	cu.m.	0.154	2,073.50	319.32
f. Gravel	cu.m.	0.28	1,863.50	521.78
g. Cement	bag	2.66	308.00	819.28
h. Concrete Saw (Diamond Blade 14" dia.)	pc.	0.00015	2,500.00	0.38
i. Pipe Sleeve, 2" dia.	m.	0.0078	61.00	0.48
j. Grease/Tar	L	0.0078	112.50	0.88
Sub-Total for F-1 As Submitted				1,735.86
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				1,961.18
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				196.12
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				156.89
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				115.71
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				2,429.90
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:


ELWICK P. ACUÑA

Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO

Engineer IV

Item No./Description : 400(1)A1
 Unit of Measurement : Precast Concrete Piles, furnished (400 mm x 400 mm)
 Output per hour-As Submitted : 1,596.00 m.
 Output per hour-As Evaluated : 2.50

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	1	86.51	86.51
b. Skilled Laborer	4	1	62.43	249.73
b. Unskilled Laborer	8	1	48.13	385.02
Sub-Total for A-1 As Submitted				721.25
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
B.1				
Equipment				
a. Payloader (1.50 cu.m.), LX80-2C	1	0.5	1,733.00	866.50
b. Concrete Vibrator	1	0.1	91.25	9.13
c. Plate Compactor (5 hp), for Casting Bed	1	0.28	123.00	34.44
d. Bar Bender	1	0.28	351.50	98.42
e. Bar Cutter	1	0.28	219.75	61.53
Minor Tools 10% of Labor Cost				72.13
Sub-Total for B-1 As Submitted				1,142.14
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				1,863.39
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				2.50
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				745.36
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
a. Ready Mix Concrete, Class "AA" - Z7.60 Mpa	cu.m.	0.17	4,250.00	714.00
b. Reinforcing Steel Bar	kg.	40.45	38.00	1,537.10
c. #16 G.I. Tie Wire (2% of RSB)	kg.	0.809	100.00	80.90
d. Coco Lumber	bd.ft.	15.333	25.00	383.33
e. Marine Plywood, 1/2" x 4' x 8' - 4 uses	pc.	0.268	1,100.00	73.70
f. Assorted CWN (1 kg/100 bd.ft. of Lumber)	kg.	0.163	73.00	11.90
Casting Bed				
a. Ready Mix Concrete, Class "B"	cu.m.	0.03	4,200.00	126.00
b. Coco Lumber	bd.ft.	1.00	25.00	25.00
c. Base Course	cu.m.	0.06	1,283.50	77.01
Sub-Total for F-1 As Submitted				3,028.93
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				3,774.29
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				377.43
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				301.94
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				222.68
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				4,676.35
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:



ELWICK P. ACUÑA

Engineer II

Checked/Reviewed



ISIDRA A. ESTANISLAO

Engineer IV

Item No./Description : 400(6)
 Unit of Measurement : Structural Steel Sheet Piles, furnished
 Output per hour-As Submitted : 1,008.00 In.m.
 Output per hour-As Evaluated : 72.00

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	1	86.51	86.51
b. Skilled Laborer	2	1	62.43	124.86
b. Unskilled Laborer	2	1	48.13	96.26
Sub-Total for A-1 As Submitted				307.63
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
B.1				
Equipment				
a. Truck Mounted Crane (41 - 45 mt)	1	1	2,606.00	2,606.00
Minor Tools 10% of Labor Cost				30.76
Sub-Total for B-1 As Submitted				2,636.76
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				2,944.39
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				72.00
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				40.89
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
F.1				
Materials				
a. Steel Sheet Pile KSP II (delivered at site)	kg.	48.00	50.00	2,400.00
Miscellaneous 2% of Materials Cost				48.00
Sub-Total for F-1 As Submitted				2,448.00
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				2,488.89
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				248.89
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				199.11
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				146.84
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				3,083.74
K.2				
Total Unit Cost - As Evaluated				-

Prepared by: 
ELWICK P. ACUÑA
 Engineer II

Checked/Reviewed 
ISIDRA A. ESTANISLAO
 Engineer IV

Item No./Description : 400(12)
 Unit of Measurement : Structural Steel Sheet Piles, driven
 Output per hour-As Submitted : 1,008.00 In.m.
 Output per hour-As Evaluated : 10.00

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
A.1				
a. Foreman	1	1	86.51	86.51
b. Skilled Laborer	6	1	62.43	374.59
b. Unskilled Laborer	6	1	48.13	288.77
Sub-Total for A-1 As Submitted				749.86
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. Truck Mounted Crane (41 - 45 mt)	1	1	2,606.00	2,606.00
b. Vibro Hammer (272.22 hp)	1	1	3,069.00	3,069.00
c. Generator Set (700 kW)	1	1	2,147.27	2,147.27
d. Welding Machine (500 A), Electric Driven	1	1	391.00	391.00
e. Cutting Outfit	1	0.5	45.45	22.73
Minor Tools 10% of Labor Cost				74.99
Sub-Total for B-1 As Submitted				8,310.98
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				9,060.84
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				10.00
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				906.08
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Welding Rod (1 kg./2000 kg. Steel)	kg.	0.024	163.00	3.91
b. Oxy/acetylene (1 set/5000 kg. Steel)	set	0.0096	2,500.00	24.00
c. Coco Log - 2 uses	m.	0.18	350.00	31.50
d. Coco Lumber	bd.ft.	1.55	25.00	38.75
e. Assorted CWN (1 kg./100 bd.ft. Of Lumber)	kg.	0.02	73.00	1.46
Miscellaneous 2% of Material Cost				1.99
Sub-Total for F-1 As Submitted				101.61
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				1,007.70
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				100.77
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				80.62
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				59.45
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				1,248.54
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:


ELWICK P. ACUÑA
 Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
 Engineer IV

Item No./Description : 400(14)
 Unit of Measurement : Precast Concrete Piles, driven (soft strata)
 Output per hour-As Submitted : 1,520.00 m.
 Output per hour-As Evaluated : 2.40

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	1	86.51	86.51
b. Skilled Laborer	6	1	62.43	374.59
b. Unskilled Laborer	6	1	48.13	288.77
Sub-Total for A-1 As Submitted				749.86
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
B.1				
Equipment				
a. Truck Mounted Crane (41 - 45 mt)	1	0.53	2,606.00	1,381.18
b. Diesel Hammer (K25 or equivalent)	1	0.27	1,286.00	347.22
c. Drop Hammer	1	0.13	200.00	26.00
d. Cutting Outfit	1	0.20	45.45	9.09
e. Jack Hammer	2	0.20	150.00	60.00
f. Air Compressor (356 - 450 cfm)	1	0.20	965.00	193.00
Minor Tools 10% of Labor Cost				74.99
Sub-Total for B-1 As Submitted				2,091.48
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				2,841.34
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				2.40
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				1,183.89
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
a. Coco Logs - 2 uses	m.	1.00	350.00	175.00
b. Coco Lumber (Falsework)	bd.ft.	16.00	25.00	400.00
c. Nail/spike (1 kg./100 bd.ft. Of Lumber)	kg.	0.16	70.00	11.20
d. Oxy/Acetylene	set	0.01	2,500.00	25.00
Miscellaneous 2% of Material Cost				12.22
Sub-Total for F-1 As Submitted				623.42
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				1,807.31
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				180.73
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				144.59
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				106.63
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				2,239.26
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:


ELWICK P. ACUÑA
 Engineer II

Checked/Reviewed


ISIDRA A. ESTANSILAO
 Engineer IV

Item No./Description : 400(16)a
 Unit of Measurement : Test Piles, furnished and driven
 Output per hour-As Submitted : 84.00 m.
 Output per hour-As Evaluated : 2.40

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	1	86.51	86.51
b. Skilled Laborer	6	1	62.43	374.59
b. Unskilled Laborer	6	1	48.13	288.77
Sub-Total for A-1 As Submitted				749.86
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
B.1				
Equipment				
a. Truck Mounted Crane (41 - 45 mt)	1	0.53	2,606.00	1,381.18
b. Diesel Hammer (K25 or equivalent)	1	0.27	1,286.00	347.22
c. Drop Hammer	1	0.13	200.00	26.00
d. Cutting Outfit	1	0.20	45.45	9.09
e. Jack Hammer	2	0.20	150.00	60.00
f. Air Compressor (356 - 450 cfm)	1	0.20	965.00	193.00
Minor Tools 10% of Labor Cost				74.99
Sub-Total for B-1 As Submitted				2,091.48
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				2,841.34
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				2.40
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				1,183.89
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
a. Coco Logs - 2 uses	m.	2.00	350.00	350.00
b. Coco Lumber (Falsework)	bd.ft.	16.00	25.00	400.00
c. Nail/Spike (1 kg/100 bd.ft. Of Lumber)	kg.	0.16	70.00	11.20
d. Oxy/Acetylene	set	0.01	2,500.00	25.00
e. Fabricated RC Pile (delivered at site)	m.	1.00	2,520.00	2,520.00
Miscellaneous 2% of Material Cost				15.72
Sub-Total for F-1 As Submitted				3,321.92
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				4,505.81
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				450.58
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				360.47
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				265.84
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				5,582.70
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed


 ELWICK P. ACUÑA
 Engineer II


 ISIDRA A. ESTANISLAO
 Engineer IV

Item No./Description : 401(2)a
Concrete Railing
Unit of Measurement : 101.00 m.
Output per hour-As Submitted : 0.88
Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	1	86.51	86.51
b. Skilled Laborer	4	1	62.43	249.73
b. Unskilled Laborer	8	1	48.13	385.02
Sub-Total for A-1 As Submitted				721.25
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
B.1				
Equipment				
a. Concrete Vibrator	1	0.10	91.25	9.13
b. Bar Cutter	1	0.10	219.75	21.98
c. Bar Bender	1	0.10	351.50	35.15
d. Cutting Outfit	1	0.10	45.45	4.55
Minor Tools 10% of Labor Cost				72.13
Sub-Total for B-1 As Submitted				142.92
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				864.17
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				0.88
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				982.01
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
a. Ready Mix Concrete	cu.m.	0.117	4,250.00	497.25
b. Reinforcing Steel Bar	kg.	30.434	38.00	1,156.49
c. Plywood 1/2" x 4' x 8' - 3 uses	pc.	0.725	820.00	198.17
d. Coco Lumber	bd.ft.	20.60	25.00	515.00
e. Assorted CWN (1 kg./100 bd.ft. Of Lumber)	kg.	0.206	73.00	15.04
f. Tie Wire (2% of RSB)	kg.	0.609	100.00	60.90
g. Oxy/Acetylene (1 kg./5000 kg. Of Steel)	kg.	0.006	2,500.00	15.00
Miscellaneous 2% of Material Cost				49.16
Sub-Total for F-1 As Submitted				2,507.00
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				3,489.02
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				348.90
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				279.12
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				205.85
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				4,322.89
K.2				
Total Unit Cost - As Evaluated				-

Prepared by/

ELWICK P. ACUÑA

Engineer II

Checked/Reviewed

ISIDRA A. ESTANISLAO

Engineer IV

Item No./Description : 402(1)
 Unit of Measurement : Timber Structure
 Output per hour-As Submitted : 8.00 span
 Output per hour-As Evaluated : 0.125

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
A.1				
a. Foreman	1	1	86.51	86.51
b. Skilled Laborer	6	1	62.43	374.59
b. Unskilled Laborer	6	1	48.13	288.77
Sub-Total for A-1 As Submitted				749.86
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
B.1				
a. Truck Mounted Crane	1	1.00	2,606.00	2,606.00
b. Drop Hammer	1	0.50	200.00	100.00
c. Cargo Truck	2	0.50	1,212.00	1,212.00
Minor Tools 10% of Labor Cost				74.99
Sub-Total for B-1 As Submitted				3,992.99
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				4,742.85
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				0.13
D.2				
Output per Hour - As Evaluated				37,942.77
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
F.1				
a. Coco Trunks	pc.	6.86	1,000.00	6,860.00
b. 5" x 10" x 12' Coco Lumber	pc.	7.143	1,250.00	8,928.75
c. 4" x 10" x 12' Coco Lumber	pc.	2.29	1,000.00	763.33
d. 25 mm dia. X 40 mm dia. Mach. Bolts with Standard Nuts & Washers	pc.	1.43	25.00	11.92
e. 25 mm dia. X 500 mm. Steel Bars	pc.	13.71	75.00	1,028.25
Sub-Total for F-1 As Submitted				17,592.25
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				55,535.02
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				5,553.50
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				4,442.80
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				3,276.57
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				68,807.89
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed

ELWICK P. ACUÑA

Engineer II

ISIDRA A. ESTANISLAO

Engineer IV

Item No./Description : 403(5)1
 Unit of Measurement : Structural Steel, Furnished, Fabricated and Erected
 Output per hour-As Submitted : 1,207.00 kg
 Output per hour-As Evaluated : 356.000

Designation		No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor					
a. Foreman		1	1	86.51	86.51
b. Skilled Laborer		6	1	62.43	374.59
b. Unskilled Laborer		6	1	48.13	288.77
Sub-Total for A-1 As Submitted					749.86
Labor					
A.2					
Sub-Total for A-2 As Evaluated					
Name and Capacity		No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment					
a. Truck Mounted Crane (41 - 45 mt)		1	1.00	2,606.00	2,606.00
b. Welding Machine (500 A), Electric Driven		2	0.33	391.00	258.06
c. Generator Set (900 kW)		1	0.33	2,659.44	877.62
d. Vibro Hammer (272.22 hp)		1	0.17	3,069.00	521.73
e. Cutting Outfit		2	0.33	45.45	30.00
Minor Tools					74.99
Sub-Total for B-1 As Submitted					4,368.39
Equipment					
B.2					
Sub-Total for B-2 As Evaluated					
C.1 Total (A.1+B.1) - As Submitted					5,118.25
C.2 Total (A.2+B.2) - As Evaluated					-
D.1 Output per Hour - As Submitted					356.00
D.2 Output per Hour - As Evaluated					
E.1 Direct Unit Cost (C.1 ÷ D.1) - As Submitted					14.38
E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated					
Name and Specification		Unit	Quantity	Unit Cost	Amount (Php.)
Materials					
a. Structural Steel (Imported), Grade 36		kg.	1.00	50.00	50.00
(including fabrication, galvanization, pre-trial, assembly, loading & hauling cost to the project site)					
b. WF 21" x 9 m, wt. = 150,288 kg./m.		kg.	0.0949	50.00	4.75
c. Tubular Pipe, 9.50 mm. thk. X 450 mm. dia. X 30 m.		kg.	0.2515	50.00	12.58
d. Cover Plate, 500 mm x 500 mm x 12 mm thk.		kg.	0.0066	47.00	0.31
e. Channel, 27.8256 kg./m.		kg.	0.2420	48.00	11.62
f. Welding Rod (1 kg./2000 kg. of Steel)		kg.	0.0003	163.00	0.05
g. Oxy/Acetylene (1 set/5000 kg. of Steel)		set	0.0001	2,500.00	0.25
Miscellaneous					0.80
Sub-Total for F-1 As Submitted					80.34
Materials					
F.2					
Sub-Total for F-2 As Evaluated					
G.1 Direct Unit Cost (E.1+F.1) - As Submitted					94.72
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated					-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted					9.47
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated					-
I.1 Contractor's Profit - As Submitted					7.58
I.2 Contractor's Profit - As Evaluated					-
J.1 Value Added Tax - As Submitted					5.59
J.2 Value Added Tax - As Evaluated					-
K.1 Total Unit Cost - As Submitted					117.36
K.2 Total Unit Cost - As Evaluated					-

Prepared by:

Checked/Reviewed

ELWICK P. ACUÑA

Engineer II

ISIDRA A. ESTANISLAO

Engineer IV

Item No./Description : 404(1)a
 Unit of Measurement : Reinforcing Steel, Grade 40
 Output per hour-As Submitted : 12,157.80 Kg.
 Output per hour-As Evaluated : 180.00

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
A.1				
a. Foreman	1	1	86.51	86.51
b. Skilled Laborer	2	1	62.43	124.86
b. Unskilled Laborer	8	1	48.13	385.02
Sub-Total for A-1 As Submitted				596.39
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
B.1				
a. Service Crane (21 - 25 mt.)	1	0.15	1,522.00	228.30
b. Cargo Truck (9 - 10 mt.)	1	0.15	1,212.00	181.80
c. Bar Cutter	1	0.50	219.75	109.88
d. Bar Bender	1	0.50	351.50	175.75
Sub-Total for B-1 As Submitted				695.73
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				1,292.12
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				180.00
D.2				
Output per Hour - As Evaluated				7.18
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
a. Tie Wire (2% of RSB)	kg.	0.021	100.00	2.10
b. Reinforcing Steel Bar	kg.	1.05	38.00	39.90
(with 5% wastage)				
Sub-Total for F-1 As Submitted				42.00
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				49.18
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				4.92
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				3.93
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				2.90
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				60.93
K.2				
Total Unit Cost - As Evaluated				-

Prepared by: 
ELWICK P. ACUÑA
 Engineer II

Checked/Reviewed 
ISIDRA A. ESTANISLAO
 Engineer IV

Item No./Description : 404(1)b
 Unit of Measurement : Reinforcing Steel, Grade 60
 Output per hour-As Submitted : 96.47623 Kg.
 Output per hour-As Evaluated : 180.00

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	1	86.51	86.51
b. Skilled Laborer	2	1	62.43	124.86
b. Unskilled Laborer	8	1	48.13	385.02
Sub-Total for A-1 As Submitted				596.39
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. Service Crane (21 - 25 mt.)	1	0.15	1,522.00	228.30
b. Cargo Truck (9 - 10 mt.)	1	0.15	1,212.00	181.80
c. Bar Cutter	1	0.50	219.75	109.88
d. Bar Bender	1	0.50	351.50	175.75
Sub-Total for B-1 As Submitted				695.73
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				1,292.12
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				180.00
D.2				
Output per Hour - As Evaluated				7.18
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
a. Tie Wire (2% of RSB)	kg.	0.021	100.00	2.10
b. Reinforcing Steel Bar (with 5% wastage)	kg.	1.05	40.00	42.00
Sub-Total for F-1 As Submitted				44.10
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				51.28
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				5.13
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				4.10
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				3.03
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				63.53
K.2				
Total Unit Cost - As Evaluated				-

Prepared by: 
ELWICK P. ACUÑA
 Engineer II

Checked/Reviewed 
ISIDRA A. ESTANISLAO
 Engineer IV

Item No./Description : 405(1)b3
 Unit of Measurement : Structural Concrete, Class "A"
 Output per hour-As Submitted : 973.70 cu.m.
 Output per hour-As Evaluated : 10.00

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Foreman	1	1	86.51	86.51
b. Skilled Laborer	4	1	62.43	249.73
c. Unskilled Laborer	8	1	48.13	385.02
A.1				
Installation/Removal of Formworks				
a. Foreman	1	1	86.51	86.51
a. Skilled Laborer	4	1	62.43	249.73
b. Unskilled Laborer	8	1	48.13	385.02
Sub-Total for A-1 As Submitted				1,442.51
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. Transit Mixer (5 cu.m.)	2	1	1,318.00	2,636.00
b. Concrete Vibrator	2	1	91.25	182.50
c. Batching Plant (30 cu.m.)	1	0.5	1,759.50	879.75
d. Payloader (1.50 cu.m.), LX80-2C	1	0.5	1,733.00	866.50
e. Water Truck/Pump (16000 L)	1	0.25	2,450.00	612.50
f. Crawler Crane w/ Bucket (36 - 40 mt.)	1	0.5	2,282.40	1,141.20
Sub-Total for B-1 As Submitted				6,318.45
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				7,760.96
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				10.00
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				776.10
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Lumber, Coco	bd.ft.	100.00	25.00	2,500.00
b. Ordinary Plywood (1/2" x 4' x 8')	pc.	1.50	820.00	1,230.00
c. Assorted GWN	kg.	1.00	73.00	73.00
d. Cement	bag	10.50	308.00	3,234.00
e. Sand	cu.m.	0.50	2,073.50	1,036.75
f. Gravel	cu.m.	1.00	1,863.50	1,863.50
f. Curing Compound	L.	1.00	35.00	35.00
Sub-Total for F-1 As Submitted				9,972.25
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				10,748.35
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				1,074.83
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				859.87
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				634.15
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				13,317.20
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed

ELWICK P. ACUÑA
 Engineer II

ISIDRA A. ESTANISLAO
 Engineer IV

Item No./Description : 406(1)¹
 Unit of Measurement : Prestressed Structural Concrete Member, Type IV-B
 Output per hour-As Submitted : 8.00 each
 Output per hour-As Evaluated : 1.00


Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	96	86.51	8,304.72
b. Skilled Laborer	4	96	67.28	25,833.60
c. Unskilled Laborer	8	96	57.76	44,362.56
Sub-Total for A-1 As Submitted				78,500.88
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. Truck Mounted Crane with Bucket (41 - 45 mt.)	1	32.00	3,127.20	100,070.40
b. Payloader (1.50 cu.m.), LX80-2C	1	7.00	1,733.00	12,131.00
c. Stressing (Jack) Machine	1	9.00	2,500.00	22,500.00
d. Bar Cutter	1	14.00	219.75	3,076.50
e. Bar Bender	1	14.00	351.50	4,921.00
f. Cutting Outfit	1	7.00	45.45	318.15
g. Concrete Vibrator	2	5.00	91.25	912.50
h. Plate Compactor (5 hp)	2	7.00	123.00	1,722.00
i. Grouting Machine, Air Driven	1	2.00	866.25	1,732.50
j. Welding Machine (500 A), Electric Driven	1	7.00	391.00	2,737.00
Minor Tools 10% of Labor				7,850.09
Sub-Total for B-1 As Submitted				157,971.14
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				236,472.02
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				1.00
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				236,472.02
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
a. Prestressed Concrete AASHTO Girder Type IVB	In.m.	14.00	24,000.00	336,000.00
Sub-Total for F-1 As Submitted				336,000.00
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				572,472.02
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				57,247.20
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				45,797.76
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				33,775.85
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				709,292.83
K.2				
Total Unit Cost - As Evaluated				-

Prepared by: 
ELWICK P. ACUÑA
 Engineer II

Checked/Reviewed: 
ISIDRA A. ESTANISLAO
 Engineer IV

Item No./Description : 406(1)ft
Unit of Measurement : Prestressed Structural Concrete Member, Type IV-B
Output per hour-As Submitted : 4.00 each
Output per hour-As Evaluated : 1.00

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	96	86.51	8,304.72
b. Skilled Laborer	4	96	62.43	23,973.60
c. Unskilled Laborer	8	96	48.13	36,961.92
Sub-Total for A-1 As Submitted				69,240.24
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. Truck Mounted Crane with Bucket (41 - 45 mt.)	1	32.00	3,127.20	100,070.40
b. Payloader (1.50 cu.m., LX80-2C)	1	7.00	1,733.00	12,131.00
c. Stressing (Jack) Machine	1	9.00	2,500.00	22,500.00
d. Bar Cutter	1	14.00	219.75	3,076.50
e. Bar Bender	1	14.00	351.50	4,921.00
f. Cutting Outfit	1	7.00	45.45	318.15
g. Concrete Vibrator	2	5.00	91.25	912.50
h. Plate Compactor (5 hp)	2	7.00	123.00	1,722.00
i. Grouting Machine, Air Driven	1	2.00	866.25	1,732.50
j. Welding Machine (500 A), Electric Driven	1	7.00	391.00	2,737.00
Minor Tools 10% of Labor				6,924.02
Sub-Total for B-1 As Submitted				157,045.07
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				226,285.31
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				1.00
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				226,285.31
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
a. Prestressed Concrete AASHTO Girder Type IVB	In.m.	23.00	24,000.00	552,000.00
Sub-Total for F-1 As Submitted				552,000.00
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				778,285.31
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				77,828.53
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				62,262.83
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				45,918.83
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				964,295.50
K.2				
Total Unit Cost - As Evaluated				-

Prepared by: 
ELWICK P. ACUÑA
Engineer II

Checked/Reviewed: 
ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 407(8)
 Unit of Measurement : Lean Concrete
 Output per hour-As Submitted : 17.01 cu.m.
 Output per hour-As Evaluated : 1.40

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	1	86.51	86.51
b. Skilled Laborer	1	1	62.43	62.43
c. Unskilled Laborer	2	1	48.13	96.26
Sub-Total for A-1 As Submitted				245.19
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
B.1				
Equipment				
a. One Bagger Mixer	1	1	219.75	219.75
b. Concrete Vibrator	1	1	351.50	351.50
c. Water Truck/Pump (16000 L)	1	0.1	1,212.00	121.20
Sub-Total for B-1 As Submitted				692.45
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				937.64
C.2 Total (A.2+B.2) - As Evaluated				-
D.1 Output per Hour - As Submitted				1.40
D.2 Output per Hour - As Evaluated				
E.1 Direct Unit Cost (C.1 ÷ D.1) - As Submitted				669.75
E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
F.1				
Materials				
a. Cement	bag	9.50	308.00	2,926.00
b. Sand	cu.m.	0.50	2,073.50	1,036.75
c. Gravel	cu.m.	1.00	1,863.50	1,863.50
Sub-Total for F-1 As Submitted				5,826.25
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				6,496.00
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				649.60
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1 Contractor's Profit - As Submitted				519.68
I.2 Contractor's Profit - As Evaluated				-
J.1 Value Added Tax - As Submitted				383.26
J.2 Value Added Tax - As Evaluated				-
K.1 Total Unit Cost - As Submitted				8,048.54
K.2 Total Unit Cost - As Evaluated				-

Prepared by: 
ELWICK P. ACUÑA
 Engineer II

Checked/Reviewed 
ISIDRA A. ESTANISLAO
 Engineer IV

Item No./Description : 412(1)
Unit of Measurement : Elastomeric Bearing Pad
Output per hour-As Submitted : 24.00 each
Output per hour-As Evaluated : 1.00

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Foreman	1	1	86.51	86.51
b. Unskilled Laborer	2	1	48.13	96.26
Sub-Total for A-1 As Submitted				182.76
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
B.1				
Equipment				
a. Wood/Steel Ladder	1	1	100.00	100.00
Sub-Total for B-1 As Submitted				100.00
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				282.76
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				1.00
D.2				
Output per Hour - As Evaluated				282.76
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
a. Elastomeric Bearing Pad	each	1.00	16,150.00	16,150.00
Miscellaneous 10% of Labor				18.28
Sub-Total for F-1 As Submitted				16,168.28
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				16,451.04
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				1,645.10
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				1,316.08
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				970.61
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				20,382.84
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:


ELWICK P. ACUÑA
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 414(1)
Forms and Falsework
Unit of Measurement : 1.00 L.S.
Output per hour-As Submitted :
Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	120	86.51	10,380.90
b. Skilled Laborer	6	120	62.43	44,950.50
b. Unskilled Laborer	6	120	48.13	34,651.80
Sub-Total for A-1 As Submitted				89,983.20
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
B.1				
Equipment				
a. Cutting Outfit	1	40	45.45	1,818.00
Minor Tools 10% of Labor				8,998.32
Sub-Total for B-1 As Submitted				10,816.32
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				100,799.52
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				-
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				100,799.52
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
F.1				
Materials				
a. 63 mm. dia. G.I. Pipes	pc.	800.00	1,885.00	1,508,000.00
b. 63 mm. dia. C-Clamp	pc.	2,000.00	55.00	110,000.00
c. #16 G.I. Tie Wire	kg.	30.00	100.00	3,000.00
d. Oxy/Acetylene	set	3.00	2,500.00	7,500.00
e. Plywood 1/4" x 4' x 8'	pc.	100.00	450.00	45,000.00
f. Coco Lumber	bd.ft.	10,000.00	25.00	250,000.00
g. Assorted CWN Nails	kg.	10.00	73.00	730.00
Sub-Total for F-1 As Submitted				1,924,230.00
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				2,025,029.52
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				202,502.95
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				162,002.36
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				119,476.74
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				2,509,011.58
K.2				
Total Unit Cost - As Evaluated				-

Prepared by: 
ELWICK P. ACUÑA
Engineer II

Checked/Reviewed 
ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 505(2)a
Unit of Measurement : Grouted Riprap, Class "A"
Output per hour-As Submitted : 348.21 cu.m.
Output per hour-As Evaluated : 1.25

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	1	86.51	86.51
b. Skilled Laborer	2	1	62.43	124.86
c. Unskilled Laborer	8	1	48.13	385.02
Sub-Total for A-1 As Submitted				596.39
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
B.1				
Equipment				
a. One Bagger Mixer	1	1	172.00	172.00
b. Water Truck/Pump (16000 L)	1	0.05	2,450.00	122.50
Minor Tools	10% of Labor			59.64
Sub-Total for B-1 As Submitted				354.14
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				950.53
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				1.25
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				760.42
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
a. Cement	bag	3.00	308.00	924.00
b. Sand	cu.m.	0.25	2,073.50	518.38
c. Gravel	cu.m.	0.15	1,863.50	279.53
d. Weep Holes (PVC)	m.	0.30	536.00	160.80
e. Filter Cloth	sq.m.	0.015	160.00	2.40
f. Boulder	cu.m.	1.05	1,703.50	1,788.68
Miscellaneous	1% of Material Cost			36.74
Sub-Total for F-1 As Submitted				3,710.51
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				4,470.94
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				447.09
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				357.67
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				263.79
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				5,539.49
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed

ELWICK P. ACUÑA

Engineer II

ISIDRA A. ESTANISLAO

Engineer IV

Item No./Description : 508(1)
 Unit of Measurement : Hand Laid Rock Embankment
 Output per hour-As Submitted : 4,283.00 cu.m.
 Output per hour-As Evaluated : 3.125

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
A.1				
a. Foreman	1	1	86.51	86.51
b. Skilled Laborer	2	1	62.43	124.86
c. Unskilled Laborer	8	1	48.13	385.02
Sub-Total for A-1 As Submitted				596.39
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
B.1				
Equipment				
Minor Tools	10% of Labor			59.64
Sub-Total for B-1 As Submitted				59.64
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				656.03
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				3.13
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				209.93
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
a. Boulder	cu.m.	1.05	1,703.50	1,788.68
Sub-Total for F-1 As Submitted				1,788.68
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				1,998.60
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				199.86
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				159.89
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				117.92
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				2,476.27
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:


ELWICK P. ACUÑA
 Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
 Engineer IV

Item No./Description : 612(1)
Unit of Measurement : ReflectORIZED Thermoplastic Pavement Markings (White)
Output per hour-As Submitted : 101.00 sq.m.
Output per hour-As Evaluated : 25.00

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
A.1 Foreman	1	1	86.51	86.51
b. Skilled Laborer	2	1	62.43	124.86
c. Unskilled Laborer	6	1	48.13	288.77
Sub-Total for A-1 As Submitted				500.14
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. Cargo Truck (2 - 5 mt.)	1	1	783.00	783.00
B.1 b. Applicator Machine	1	1	93.75	93.75
c. Kneading Machine	1	1	187.50	187.50
Minor Tools 10% of Labor				50.01
Sub-Total for B-1 As Submitted				1,114.26
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				1,614.40
C.2 Total (A.2+B.2) - As Evaluated				-
D.1 Output per Hour - As Submitted				25.00
D.2 Output per Hour - As Evaluated				
E.1 Direct Unit Cost (C.1 ÷ D.1) - As Submitted				64.58
E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Thermoplastic Paint (White)	bag	0.33	1,585.00	515.13
b. Glass Beads	bag	0.03	2,500.00	82.50
c. Primer	L	0.12	160.00	19.20
F.1 d. LPG (50 kg.)	cyL	0.00	3,450.00	13.80
e. LPG (12 kg.)	cyL	0.00	828.00	1.66
f. Calsumine	kg.	0.13	100.00	12.50
Miscellaneous 5% of Material Cost				32.24
Sub-Total for F-1 As Submitted				677.02
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				741.60
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				74.16
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1 Contractor's Profit - As Submitted				59.33
I.2 Contractor's Profit - As Evaluated				-
J.1 Value Added Tax - As Submitted				43.75
J.2 Value Added Tax - As Evaluated				-
K.1 Total Unit Cost - As Submitted				918.84
K.2 Total Unit Cost - As Evaluated				-

Prepared by:


ELWICK P. ACUÑA
Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 1702(1)
Unit of Measurement : Structure Excavation
Output per hour-As Submitted : 350.00 cu.m.
Output per hour-As Evaluated : 20.00

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Foreman	1	1	86.51	86.51
b. Unskilled Laborer	3	1	48.13	144.38
Sub-Total for A-1 As Submitted				230.89
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
B.1				
a. Dump Truck (12 cu.yd.)	2	1	1,420.00	2,840.00
b. Backhoe (0.80 cu.m.)	1	1	1,537.00	1,537.00
Minor Tools 10% of Labor				23.09
Sub-Total for B-1 As Submitted				4,400.09
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				4,630.98
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				20.00
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				231.55
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
Sub-Total for F-1 As Submitted				-
Equipment				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				231.55
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				23.15
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				18.52
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				13.66
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				286.89
K.2				
Total Unit Cost - As Evaluated				-

Prepared by: 
ELWICK P. ACUÑA
Engineer II

Checked/Reviewed 
ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 1716(12)
Unit of Measurement : Structural Steel Sheet Piles, driven
Output per hour-As Submitted : 2,316.00 ln.m.
Output per hour-As Evaluated : 10.00

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
A.1				
a. Foreman	1	1	86.51	86.51
b. Skilled Laborer	6	1	62.43	374.59
b. Unskilled Laborer	6	1	48.13	288.77
Sub-Total for A-1 As Submitted				749.86
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. Truck Mounted Crane (41 - 45 mt)	1	1	2,606.00	2,606.00
b. Vibro Hammer (272.22 hp)	1	1	3,069.00	3,069.00
B.1				
c. Generator Set (700 kW)	1	1	2,147.27	2,147.27
d. Welding Machine (500 A), Electric Driven	1	1	391.00	391.00
e. Cutting Outfit	1	0.5	45.45	22.73
Minor Tools				74.99
Sub-Total for B-1 As Submitted				8,310.98
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				9,060.84
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				10.00
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				906.08
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Welding Rod (1 kg./2000 kg. Steel)	kg.	0.024	163.00	3.91
b. Oxy/Acetylene (1 set/5000 kg. Steel)	set	0.0096	2,500.00	24.00
c. Coco Log - 2 uses	m.	0.18	350.00	31.50
d. Coco Lumber	bd.ft.	1.55	25.00	38.75
e. Assorted GWN (1 kg./100 bd.ft. Of Lumber)	kg.	0.02	73.00	1.46
Miscellaneous				1.99
Sub-Total for F-1 As Submitted				101.61
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				1,007.70
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				100.77
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				80.62
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				59.45
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				1,248.54
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

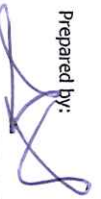
Checked/Reviewed

ELWICK P. ACUÑA
Engineer II

ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 1716(16)
 Unit of Measurement : Structural Steel Sheet Test Piles, furnished and driven
 Output per hour-As Submitted : 12.00 In.m.
 Output per hour-As Evaluated : 10.00

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	1	86.51	86.51
b. Skilled Laborer	6	1	62.43	374.59
b. Unskilled Laborer	6	1	48.13	288.77
Sub-Total for A-1 As Submitted				749.86
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity				
No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)	
Equipment				
a. Truck Mounted Crane (41 - 45 mt)	1	1	2,606.00	2,606.00
b. Vibro Hammer (272.22 hp)	1	1	3,069.00	3,069.00
c. Generator Set (700 kW)	1	1	2,147.27	2,147.27
d. Welding Machine (500 A), Electric Driven	1	1	391.00	391.00
e. Cutting Outfit	1	0.5	45.45	22.73
Minor Tools				74.99
Sub-Total for B-1 As Submitted				8,310.98
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				9,060.84
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				10.00
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				906.08
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification				
Unit	Quantity	Unit Cost	Amount (Php.)	
Materials				
a. Steel Sheet Pile KSP II (delivered at site)	kg.	48.00	50.00	2,400.00
b. Welding Rod (1 kg./2000 kg. Steel)	kg.	0.024	163.00	3.91
c. Oxy/Acetylene (1 set/5000 kg. Steel)	set	0.0096	2,500.00	24.00
d. Coco Log - 2 uses	m.	0.18	350.00	31.50
e. Coco Lumber	bd.ft.	1.55	25.00	38.75
f. Assorted CWN (1 kg./100 bd.ft. Of Lumber)	kg.	0.02	73.00	1.46
Miscellaneous				1.99
Sub-Total for F-1 As Submitted				2,501.61
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				3,407.70
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				340.77
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				272.62
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				201.05
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				4,222.14
K.2				
Total Unit Cost - As Evaluated				-

Prepared by: 
ELWICK P. ACUÑA
 Engineer II

Checked/Reviewed 
ISIDRA A. ESTANISLAO
 Engineer IV

UNIT COST ANALYSIS FOR HAULING COST FOR PORTLAND CEMENT

TOTAL QUANTITY REQUIREMENTS FOR PORTLAND CEMENT

DESCRIPTION	QUANTITY (Bags)
Construction of Field Office for the Engineer	135.00
Portland Cement Concrete Pavement	6,078.10
Structural Concrete, Class "A"	10,223.85
Grouted Riprap, Class "A"	1,044.63
Grouted Riprap, Class "A"	1,179.00
T O T A L	8,436.73

Quantity = **8,436.73** Bags

Delivery Charge = P 0.120 / bag / km.

S I T E	HAULING DISTANCE
Zamboanga City DEO	55.00
Batching plant	

*Average hauling distance from source to assumed Stockpiling area :
say 55.00 km.

$$\text{Delivery Charge} = P \quad 0.120 \quad \times \quad 55.00 \\ = P \quad \mathbf{6.60} \quad / \text{ bag}$$

*Delivery Truck : 8,436.73 bags., (hauling works)
20,000.00 kgs., (capacity per haul)
or 500.00 bags, (capacity per haul)

*Capacity of Laborers unloading bags of Cement from Delivery Truck :
Assume (10) laborers can unload 500.00 bags of Cement.

*Dumptruck (10 Wheeler) days computation : **TIME-MOTION ANALYSIS**

Speed when loaded	:	30.00	kph
Speed when unloaded	:	40.00	kph
Loaded running	=	$\frac{55.00}{30.00} \times 60$	= 110.00 mins.
Unloaded running	=	$\frac{55.00}{40.00} \times 60$	= 82.50 mins.
Loading and Unloading allowance for delay/traffic	:	45.00 mins. 3.00 mins. 8.00 cum.	
Capacity of Dumptruck	:	500.00 bags	
Total Cycle time	:	240.50 mins.	
No. of trips for Dumptruck per day	=	$\frac{8.0}{240.50} \times 60.00$	= 2.00 say
Dumptruck daily output	=	500 x 2.00	= 997.92 cum.
Using (3) Dumptrucks	=	3 x 997.92	= 2,993.76 cum.

- No. of days for Delivery Truck = $\frac{8,436.73}{2,993.76} = 2.82$ say 2.82 days
- No. of days for Labor, for unloading = complimentary to D. Truck days = 2.82 days

DELIVERY COST :

8,436.73 - Bags, Portland Cement	@ P 6.60 /bag	= P 55,682.42
Sub - Total		P 55,682.42

LABOR :		
1 - Foreman	@ P 611.92 /day	x 2.82 days = P 1,724.45
10 - Laborers, unloading	@ P 342.24 /day	x 2.82 days = P 9,644.67
Sub - Total		P 11,369.13

MATERIALS :

8,436.73 - Bags, Portland Cement	@ P 300.00 /bag	= P 2,531,019.00
Sub - Total		P 2,531,019.00

Estimated Quantity	8,436.73 Bags	
Unit Cost	P 307.95 / Bag,	say P 308.00 / Bag
Grand Total	P 2,598,070.54	
Delivery Cost	P 55,682.42	
Labor	P 11,369.13	
Materials	P 2,531,019.00	

UNIT COST ANALYSIS FOR HAULING COST FOR ALL AGGREGATES

Hauling Cost from the Quarry to Batchling plant

Item No. :	ALL AGGREGATES	Terrain :	Flat to Rolling
Quantity :	1,000.00	Unit :	cu.m.
		Hauling Distance :	5.00 km.
		Effective Working Hours :	8.00 hrs.

Hauling: Using 10.00 cu.m.capacity Dumptruck

Weight of Dumptruck (cap. 10.00 cu.m.)

Unit weight of Fine Aggregates

Unit weight of Coarse Aggregates

Maximum Volume to be Carried per DT

*Dumptruck (10 Wheeler) days computation : TIME-MOTION ANALYSIS

Speed when loaded	:	30.00	kph	:	16,000.00	kg.
Speed when unloaded	:	40.00	kph	:	1,640.00	kg/m3
Loaded running	=	$\frac{5.00}{30.00} \times 60$		=	10.00	mins.
Unloaded running	=	$\frac{5.00}{40.00} \times 60$		=	7.50	mins.
Loading and Unloading allowance for delay/traffic	:	5.00	mins.	:		
Capacity of Dumptruck	:	3.00	mins.	:		
Total Cycle time	:	10.00	cu.m.	:		
No. of trips for Dumptruck per day	=	$\frac{8}{25.50} \times 60.00$		=	18.82	say 18.82 trips
Dumptruck daily output Using (5) Dumptrucks	=	10 x 18.82	=	188.24	cu.m.	
	=	5 x 188.24	=	941.18	cu.m.	

$$1. \text{ No. of days for Dumptrucks } = \frac{1,000.00}{941.18} = 1.06 \text{ say } 1.06 \text{ days}$$

EQUIPMENT USED : (2009 ACEI RATES)

5	- Unit Dumptruck	@ P	11,360.00 /day	x	1.06 days = P	60,350.00
					Sub - Total	60,350.00
Estimated Quantity	1,000.00 cu.m.					
Unit Cost	P	12.07 /cu. m./km.			(Unit Cost, Hauling per cu.m, per km.)	
Grand Total	P	60,350.00				
Equipment	P	60,350.00				
Labor	P					
Materials	P					

Cost of Fine Aggregates:	50.00	x	12.07	=	603.50	+	1,470.00	=	2,073.50
Cost of Coarse Aggregates:	50.00	x	12.07	=	603.50	+	1,260.00	=	1,863.50
Cost of Item 200 Materials:	50.00	x	12.07	=	603.50	+	714.00	=	1,317.50
Cost of Item 201 Materials:	50.00	x	12.07	=	603.50	+	680.00	=	1,283.50
Cost of Item 300 Materials:	50.00	x	12.07	=	603.50	+	735.00	=	1,338.50
Cost of Boulders:	50.00	x	12.07	=	603.50	+	1,100.00	=	1,703.50
Cost of Embankment, Common Borrow:	5.00	x	12.07	=	60.35	+	328.00	=	388.35