

Project : Road Widening - Primary Roads, Pagadian City - Zamboanga City Road

Net Length : (a) Road 4,132.00 ln.m 8.26 lane km

(b) Bridge	ln.m
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(c) Others	In.m	(Approaches)
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Project ID :

Target Start Date :

Location : Zamboanga City

Total Project Duration : 220 Calendar Days

Station Limits : 1854+800.00 - 1857.482.00, 1857+528.00 - 1858+978.00

No. of Pre-determined	:	28	Calendar Days
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Source of Funds : CY-2019

Unworkable Days	:	23	Calendar Days
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100.00%	101,094,756.43
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BREAKDOWN OF EXPENDITURES:

	AS SUBMITTED	AS EVALUATED
1. Labor	1,638,056.45	
2. Materials	82,167,765.89	
3. Rental of Equipment	17,288,934.10	
4. Provisional Sum/Daywork	-	
5. OCM and Profit	17,974,468.22	
6. Value Added Tax	5,953,461.23	
7. EAO, 3.5%	4,375,794.01	
8. RROW Acquisition	10,000,000.00	
9. Physical Reseved (Contingency)	601,520.11	
10. TOTAL ESTIMATED COST	140,000,000.00	

	AS SUBMITTED	AS EVALUATED
A. Total Direct Cost	101,094,756.43	
B. OCM and Profit	17,974,468.22	
C. Value Added Tax	5,953,461.23	
D. Total Construction Cost	-	
E. Eng'g. & Administrative Overhead	4,375,794.01	
F. RROW Acquisition	10,000,000.00	
G. Physical Reserved (Contingency)	601,520.11	
H. TOTAL ESTIMATED COST	140,000,000.00	

Evaluation:

Prepared by:

Checked/Submitted by:

Reviewed by:

Approval:

Recommending Approval

Approved:

ELWICK P. ACUÑA

ISIDRA A. ESTANISLAO

SATURNINO C. TORREFRANCA

~~KHADAFY D. TANGGOL~~

CAYAMOMBAO D. DIA

Engineer II
Maintenance Division

Engineer IV
Maintenance Division

District Engineer
Planning & Design Division

Assistant Regional Director

Regional Director



**Road Widening - Primary Roads, Pagadian City - Zamboanga City Road
Zamboanga City**

FORM POW-2015-01A-00

ITEMIZED BREAKDOWN

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.	436,827.75		436,827.75		541,229.58		0.43%
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.	291,673.33		291,673.33		330,757.56		0.29%
A.1.2(5)	Operation and Maintenance of 4 x 4 Pick-Up Type Service Vehicle for the Engineer	7.33		month	251,581.40		34,306.55		36,021.88		0.25%
	TOTAL OF PART A				980,082.48						0.97%
PART B	Other General Requirements										
B.4(1)	Construction Survey & Staking	4.13		km.	178,560.53		43,214.07		53,542.23		0.18%
B.5	Project Billboard/Signboard	4.00		each	18,337.96		4,584.49		5,680.18		0.02%
B.7	Occupation Safety & Health	7.33		month	261,148.50		35,611.16		40,383.05		0.26%
B.9	Mobilization & Demobilization	1.00		L.S.	677,895.00		677,895.00		711,789.75		0.67%
	TOTAL OF PART B				1,135,941.99						1.12%
PART C	Earthworks										
101(2)	Removal of Structure/Obstructions	22.00		each	11,886.39		540.29		669.42		0.01%
101(4)a1	Removal of Structure/Obstructions	9.50		ln.m.	3,510.59		369.54		457.85		0.00%
101(8)	Removal of Existing Guardrails	1,057.50		ln.m.	41,097.82		38.86		48.15		0.04%
101(9)	Removal of Existing Guardrail Posts	431.00		each	41,875.08		97.16		120.38		0.04%
102(2)	Surplus Common Excavation	24,851.66		cu.m.	3,551,153.16		142.89		177.05		3.51%
103(1)a	Structure Excavation	652.00		cu.m.	150,451.02		230.75		285.90		0.15%
103(3)	Foundation Fill	15.00		cu.m.	40,824.22		2,721.61		3,372.08		0.04%
103(6)a	Pipe Culverts and Drain Excavation	192.00		cu.m.	44,304.60		230.75		285.90		0.04%
104(1)a	Embankment from Roadway Excavation	18,653.50		cu.m.	4,307,120.26		230.90		286.09		4.26%
105(1)a	Subgrade Preparation	39,025.50		cu.m.	624,767.52		16.01		19.84		0.62%
	TOTAL OF PART C				8,816,990.65						8.72%
PART D	Subbase and Base Course										
200(1)	Aggregate Subbase Course	15,865.50		cu.m.	26,042,944.97		1,641.48		2,033.80		25.76%
	TOTAL OF PART D				26,042,944.97						25.76%

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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	AS EVALUATED
PART E	Surface Courses										
300(1)	Gravel Surface Course	1,845.00		cu.m.	3,066,727.22		1,662.18		2,059.44		3.03%
311(1)a	Portland Cement Concrete Pavement	1,160.00		sq.m.	1,236,541.75		1,065.98		2,418.80		1.22%
311(1)e1	Portland Cement Concrete Pavement	27,684.50		sq.m.	54,046,238.59		1,952.22		2,418.80		53.46%
	TOTAL OF PART E				58,349,507.57						57.72%
PART G	Drainage and Slope Protection Structures										
404(1)a	Reinforcing Steel, Grade 40	14,079.00		kg.	671,634.30		47.70		59.11		0.66%
405(1)a3	Structural Concrete, Class "A"	348.00		cu.m.	2,927,766.83		8,413.12		10,423.86		2.90%
500(1)b3	Pipe Culverts	129.00		ln.m.	400,892.18		3,107.69		3,850.43		0.40%
505(2)a	Grouted Riprap, Class "A"	49.00		cu.m.	208,196.73		4,248.91		5,264.40		0.21%
506(1)	Stone Masonry	119.50		cu.m.	642,912.64		5,380.02		6,665.85		0.64%
	TOTAL OF PART G				4,851,402.68						4.80%
PART H	Miscellaneous Structure										
612(1)	Reflectorized Thermoplastic Pavement Markings (White)	1,240.00		sq.m.	917,886.10		740.23		917.15		0.91%
	TOTAL OF PART H				917,886.10						0.91%
	GRAND TOTAL				101,094,756.43						100.00%

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Road Widening - Primalads, Pagadian City - Zamboanga City Road
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			
2	Bulldozer		2	27			
3	Backhoe	0.83 cu.m/1.04 cu. Yd	3	28			
4	Road Grader		2	29			
5	Road Roller	10 mt	2	30			
6	Payloader	1.50 cu.m/1.95 cu.yd	4	31			
7	Water Truck/Pump	16000L	2	32			
8	Water Tank		2	33			
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	Applicator Machine		1	44			
20	Kneading Machine		1	45			
21				46			
22				47			
23				48			
24				49			
25				50			
	SUB-TOTAL		45		SUB-TOTAL		0
TOTAL							45

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DP REGIONAL OFFICE IX
Road Widening - Primary Roads, Pagadian City - Zamboanga City Road
Zamboanga City

9167067600

FORM POW-2015-01C-00

ITEMIZED BREAKDOWN												
ITEM NO.	DESCRIPTION		DETAILED BREAKDOWN OF COMPONENT COST FOR EACH ITEM									
			%	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	0.43%	1.00	L.S.	359,442.45	45,026.64	32,358.66	436,827.75	18.00%	78,628.99	25,772.84
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	0.29%	1.00	L.S.	291,673.33	-	-	291,673.33	8.00%	23,333.87	15,750.36
A.1.2(5)	Operation and Maintenance of 4 x 4 Pick-Up Type Service Vehicle for the Engineer	AS EVALUATED										
		AS SUBMITTED	0.25%	7.33	month	148,430.00	103,151.40	-	251,581.40	0.00%	-	12,579.07
	TOTAL OF PART A	AS EVALUATED										
		AS SUBMITTED	0.97%			799,545.78	148,178.04	32,358.66	980,082.48		101,962.86	54,102.27
PART B	Other General Requirements											
B.4(1)	Construction Survey & Staking	AS EVALUATED										
		AS SUBMITTED	0.18%	4.13	km.	45,555.30	111,522.94	21,482.29	178,560.53	18.00%	32,140.90	10,535.07
B.5	Project Billboard/Signboard	AS EVALUATED										
		AS SUBMITTED	0.02%	4.00	each	14,660.00	3,677.96	-	18,337.96	18.00%	3,300.83	1,081.94
B.7	Occupation Safety & Health	AS EVALUATED										
		AS SUBMITTED	0.26%	7.33	month	26,760.00	174,388.50	60,000.00	261,148.50	8.00%	20,891.88	14,102.02
B.9	Mobilization & Demobilization	AS EVALUATED										
		AS SUBMITTED	0.67%	1.00	L.S.	-	-	677,895.00	677,895.00	0.00%	-	33,894.75
	TOTAL OF PART B	AS EVALUATED										
		AS SUBMITTED	1.12%			86,975.30	289,589.40	759,377.29	1,135,941.99		56,333.61	59,613.78
PART C	Earthworks											
101(2)	Removal of Structure/Obstructions	AS EVALUATED										
		AS SUBMITTED	0.01%	22.00	each	-	1,800.03	10,086.36	11,886.39	18.00%	2,139.55	701.30
101(4)a1	Removal of Structure/Obstructions	AS EVALUATED										
		AS SUBMITTED	0.00%	9.50	ln.m.	-	271.17	3,239.42	3,510.59	18.00%	631.91	207.12
101(8)	Removal of Existing Guardrails	AS EVALUATED										
		AS SUBMITTED	0.04%	1,057.50	ln.m.	-	9,055.57	32,042.25	41,097.82	18.00%	7,397.61	2,424.77
101(9)	Removal of Existing Guardrail Posts	AS EVALUATED										
		AS SUBMITTED	0.04%	431.00	each	-	9,226.83	32,648.25	41,875.08	18.00%	7,537.52	2,470.63
102(2)	Surplus Common Excavation	AS EVALUATED										
		AS SUBMITTED	3.51%	24,851.66	cu.m.	-	70,936.47	3,480,216.68	3,551,153.16	18.00%	639,207.57	209,518.04
103(1)a	Structure Excavation	AS EVALUATED										
		AS SUBMITTED	0.15%	652.00	cu.m.	-	7,055.29	143,395.73	150,451.02	18.00%	27,081.18	8,876.61
103(3)	Foundation Fill	AS EVALUATED										
		AS SUBMITTED	0.04%	15.00	cu.m.	35,601.41	3,138.92	2,083.89	40,824.22	18.00%	7,348.36	2,408.63
103(6)a	Pipe Culverts and Drain Excavation	AS EVALUATED										
		AS SUBMITTED	0.04%	192.00	cu.m.	-	2,077.63	42,226.96	44,304.60	18.00%	7,974.83	2,613.97
104(1)a	Embankment from Roadway Excavation	AS EVALUATED										
		AS SUBMITTED	4.26%	18,653.50	cu.m.	-	116,924.86	4,190,195.40	4,307,120.26	18.00%	775,281.65	254,120.10
105(1)a	Subgrade Preparation	AS EVALUATED										
		AS SUBMITTED	0.62%	39,025.50	cu.m.	-	22,278.84	602,468.68	624,767.52	18.00%	112,458.15	36,861.28
	TOTAL OF PART C	AS EVALUATED										
		AS SUBMITTED	8.72%			35,601.41	242,765.62	8,538,623.62	8,816,990.65		1,587,058.32	520,202.45

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 D	Subbase and Base Course												
200(1)	Aggregate Subbase Course	AS EVALUATED											
		AS SUBMITTED	25.76%	15,865.50	cu.m.	24,518,980.00	54,343.70	1,469,621.27	26,042,944.97	18.00%	4,687,730.09	1,536,533.75	32,267,208.81
	TOTAL OF PART D	AS EVALUATED											
		AS SUBMITTED	25.76%			24,518,980.00	54,343.70	1,469,621.27	26,042,944.97		4,687,730.09	1,536,533.75	32,267,208.81
PART E	Surface Courses												
300(1)	Gravel Surface Course	AS EVALUATED											
		AS SUBMITTED	3.03%	1,845.00	cu.m.	2,889,505.24	6,319.63	170,902.35	3,066,727.22	18.00%	552,010.90	180,936.91	3,799,675.03
311(1)a	Portland Cement Concrete Pavement	AS EVALUATED											
		AS SUBMITTED	1.22%	1,160.00	sq.m.	1,097,156.62	9,265.10	130,120.03	1,236,541.75	18.00%	222,577.52	72,955.96	1,532,075.23
311(1)e1	Portland Cement Concrete Pavement	AS EVALUATED											
		AS SUBMITTED	53.46%	27,684.50	sq.m.	47,836,855.94	412,745.20	5,796,637.45	54,046,238.59	18.00%	9,728,322.95	3,188,728.08	66,963,289.62
	TOTAL OF PART E	AS EVALUATED											
		AS SUBMITTED	57.72%			51,823,517.80	428,329.93	6,097,659.83	58,349,507.57		10,502,911.36	3,442,620.95	72,295,039.87
PART G	Drainage and Slope Protection Structures												
404(1)a	Reinforcing Steel, Grade 40	AS EVALUATED											
		AS SUBMITTED	0.66%	14,079.00	kg.	591,318.00	43,755.87	36,560.43	671,634.30	18.00%	120,894.17	39,626.42	832,154.89
405(1)a3	Structural Concrete, Class "A"	AS EVALUATED											
		AS SUBMITTED	2.90%	348.00	cu.m.	2,423,567.70	316,262.71	187,936.42	2,927,766.83	18.00%	526,998.03	172,738.24	3,627,503.10
500(1)b3	Pipe Culverts	AS EVALUATED											
		AS SUBMITTED	0.40%	129.00	ln.m.	308,153.61	27,852.70	64,885.87	400,892.18	18.00%	72,160.59	23,652.64	496,705.41
505(2)a	Grouted Riprap, Class "A"	AS EVALUATED											
		AS SUBMITTED	0.21%	49.00	cu.m.	172,530.19	21,929.22	13,737.32	208,196.73	18.00%	37,475.41	12,283.61	257,955.75
506(1)	Stone Masonry	AS EVALUATED											
		AS SUBMITTED	0.64%	119.50	cu.m.	568,071.23	41,781.59	33,059.82	642,912.64	18.00%	115,724.27	37,931.85	796,568.76
	TOTAL OF PART G	AS EVALUATED											
		AS SUBMITTED	4.80%			4,063,640.74	451,582.09	336,179.85	4,851,402.68		873,252.48	286,232.76	6,010,887.92
PART H	Miscellaneous Structure												
612(1)	Reflectorized Thermoplastic Pavement Markings (White)	AS EVALUATED											
		AS SUBMITTED	0.91%	1,240.00	sq.m.	839,504.86	23,267.67	55,113.57	917,886.10	18.00%	165,219.50	54,155.28	1,137,260.88
	TOTAL OF PART H	AS EVALUATED											
		AS SUBMITTED	0.91%			839,504.86	23,267.67	55,113.57	917,886.10		165,219.50	54,155.28	1,137,260.88
	GRAND TOTAL	AS EVALUATED											
		AS SUBMITTED	100.00%			82,167,765.89	1,638,056.45	17,288,934.10	101,094,756.43		17,974,468.22	5,953,461.23	125,022,685.89

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DPWH REGIONAL OFFICE IX
Road Widening - Primary Roads, Pagadian City - Zamboanga City Road
Zamboanga City

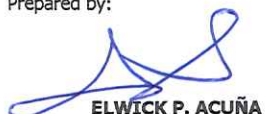
SUMMARY OF APPROVED BUDGET FOR THE CONTRACT

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	980,082.48		101,962.86	54,102.27	156,065.13	1,136,147.61
PART B	Other General Requirements	AS EVALUATED						
		AS SUBMITTED	1,135,941.99		56,333.61	59,613.78	115,947.39	1,251,889.38
PART C	Earthworks	AS EVALUATED						
		AS SUBMITTED	8,816,990.65		1,587,058.32	520,202.45	2,107,260.77	10,924,251.42
PART D	Subbase and Base Courses	AS EVALUATED						
		AS SUBMITTED	26,042,944.97		4,687,730.09	1,536,533.75	6,224,263.85	32,267,208.81
PART E	Surface Courses	AS EVALUATED						
		AS SUBMITTED	58,349,507.57		10,502,911.36	3,442,620.95	13,945,532.31	72,295,039.87
PART G	Drainage and Slope Protection Structures	AS EVALUATED						
		AS SUBMITTED	4,851,402.68		873,252.48	286,232.76	1,159,485.24	6,010,887.92
PART H	Miscellaneous Structure	AS EVALUATED						
		AS SUBMITTED	917,886.10		165,219.50	54,155.28	219,374.78	1,137,260.88
TOTAL		AS EVALUATED						
		AS SUBMITTED	101,094,756.43		17,974,468.22	5,953,461.23	23,927,929.46	125,022,685.89

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. TORRE FRANCA

District Engineer
Planning & Design Division

Approval:

Recommending Approval:


KHADAFFY D. TANGGOL
Assistant Regional Director

Approved:


CAYAMOMBAO D. DIA
Regional Director



REGIONAL OFFICE IX
Road Widening - Primary Roads, Pagadian City - Zamboanga City Road
Zamboanga City

FORM POW-2015-02A-00

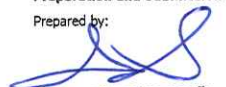
ITEM NO.	DESCRIPTION		QTY	UNIT	ESTIMATED DIRECT COST	TOTAL MARK-UP		VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
						%	VALUE				
PART A	Facilities for the Engineers										
A.1.1(3)	Construction of Field Office for the Engineer	AS EVALUATED									
		AS SUBMITTED	1.00	L.S.	436,827.75	18.00%	78,628.99	25,772.84	104,401.83	541,229.58	541,229.58
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.	291,673.33	8.00%	23,333.87	15,750.36	39,084.23	330,757.56	330,757.56
A.1.2(5)	Operation and Maintenance of 4 x 4 Pick-Up Type Service Vehicle for the Engineer	AS EVALUATED									
		AS SUBMITTED	7.33	month	251,581.40	0.00%	-	12,579.07	12,579.07	264,160.47	36,021.88
	TOTAL OF PART A	AS EVALUATED									
		AS SUBMITTED			980,082.48		101,962.86	54,102.27	156,065.13	1,136,147.61	
PART B	Other General Requirements										
B.4(1)	Construction Survey & Staking	AS EVALUATED									
		AS SUBMITTED	4.13	km.	178,560.53	18.00%	32,140.90	10,535.07	42,675.97	221,236.50	53,542.23
B.5	Project Billboard/Signboard	AS EVALUATED									
		AS SUBMITTED	4.00	each	18,337.96	18.00%	3,300.83	1,081.94	4,382.77	22,720.73	5,680.18
B.7	Occupation Safety & Health	AS EVALUATED									
		AS SUBMITTED	7.33	month	261,148.50	8.00%	20,891.88	14,102.02	34,993.90	296,142.40	40,383.05
B.9	Mobilization & Demobilization	AS EVALUATED									
		AS SUBMITTED	1.00	L.S.	677,895.00	0.00%	-	33,894.75	33,894.75	711,789.75	711,789.75
	TOTAL OF PART B	AS EVALUATED			-						
		AS SUBMITTED			1,135,941.99		56,333.61	59,613.78	115,947.39	1,251,889.38	
PART C	Earthworks										
101(2)	Removal of Structure/Obstructions	AS EVALUATED									
		AS SUBMITTED	22.00	each	11,886.39	18.00%	2,139.55	701.30	2,840.85	14,727.23	669.42
101(4)a1	Removal of Structure/Obstructions	AS EVALUATED									
		AS SUBMITTED	9.50	ln.m.	3,510.59	18.00%	631.91	207.12	839.03	4,349.62	457.85
101(8)	Removal of Existing Guardrails	AS EVALUATED									
		AS SUBMITTED	1,057.50	ln.m.	41,097.82	18.00%	7,397.61	2,424.77	9,822.38	50,920.20	48.15
101(9)	Removal of Existing Guardrail Posts	AS EVALUATED									
		AS SUBMITTED	431.00	each	41,875.08	18.00%	7,537.52	2,470.63	10,008.15	51,883.23	120.38
102(2)	Surplus Common Excavation	AS EVALUATED									
		AS SUBMITTED	24,851.66	cu.m.	3,551,153.16	18.00%	639,207.57	209,518.04	848,725.60	4,399,878.76	177.05
103(1)a	Structure Excavation	AS EVALUATED									
		AS SUBMITTED	652.00	cu.m.	150,451.02	18.00%	27,081.18	8,876.61	35,957.79	186,408.82	285.90
103(3)	Foundation Fill	AS EVALUATED									
		AS SUBMITTED	15.00	cu.m.	40,824.22	18.00%	7,348.36	2,408.63	9,756.99	50,581.21	3,372.08
103(6)a	Pipe Culverts and Drain Excavation	AS EVALUATED									
		AS SUBMITTED	192.00	cu.m.	44,304.60	18.00%	7,974.83	2,613.97	10,588.80	54,893.39	285.90
104(1)a	Embankment from Roadway Excavation	AS EVALUATED									
		AS SUBMITTED	18,653.50	cu.m.	4,307,120.26	18.00%	775,281.65	254,120.10	1,029,401.74	5,336,522.00	286.09
105(1)a	Subgrade Preparation	AS EVALUATED									
		AS SUBMITTED	39,025.50	cu.m.	624,767.52	18.00%	112,458.15	36,861.28	149,319.44	774,086.96	19.84
	TOTAL OF PART C	AS EVALUATED									
		AS SUBMITTED	-	-	8,816,990.65		1,587,058.32	520,202.45	2,107,260.77	10,924,251.42	

AN

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	15,865.50	cu.m.	26,042,944.97	18.00%	4,687,730.09	1,536,533.75	6,224,263.85	32,267,208.81	2,033.80
	TOTAL OF PART D	AS EVALUATED									
		AS SUBMITTED	-	-	26,042,944.97		4,687,730.09	1,536,533.75	6,224,263.85	32,267,208.81	
PART E	Surface Courses										
300(1)	Gravel Surface Course	AS EVALUATED									
		AS SUBMITTED	1,845.00	cu.m.	3,066,727.22	18.00%	552,010.90	180,936.91	732,947.81	3,799,675.03	2,059.44
302(2)	Emulsified Asphalt	AS EVALUATED									
		AS SUBMITTED	-	sq.m.	-	18.00%	-	-	-	-	#DIV/0!
310(1)c	Bituminous Conc. Surface Wearing Course, Hot-Laid	AS EVALUATED									
		AS SUBMITTED	-	sq.m.	-	18.00%	-	-	-	-	#DIV/0!
311(1)a	Portland Cement Concrete Pavement	AS EVALUATED									
		AS SUBMITTED	1,160.00	sq.m.	1,236,541.75	18.00%	222,577.52	72,955.96	295,533.48	1,532,075.23	1,320.75
311(1)e1	Portland Cement Concrete Pavement	AS EVALUATED									
		AS SUBMITTED	27,684.50	sq.m.	54,046,238.59	18.00%	9,728,322.95	3,188,728.08	12,917,051.02	66,963,289.62	2,418.80
	TOTAL OF PART E	AS EVALUATED									
		AS SUBMITTED			58,349,507.57		10,502,911.36	3,442,620.95	13,945,532.31	72,295,039.87	
PART G	Drainage and Slope Protection Structures										
404(1)a	Reinforcing Steel, Grade 40	AS EVALUATED									
		AS SUBMITTED	14,079.00	kg.	671,634.30	18.00%	120,894.17	39,626.42	160,520.60	832,154.89	59.11
405(1)a3	Structural Concrete, Class "A"	AS EVALUATED									
		AS SUBMITTED	348.00	cu.m.	2,927,766.83	18.00%	526,998.03	172,738.24	699,736.27	3,627,503.10	10,423.86
500(1)b3	Pipe Culverts	AS EVALUATED									
		AS SUBMITTED	129.00	ln.m.	400,892.18	18.00%	72,160.59	23,652.64	95,813.23	496,705.41	3,850.43
505(2)a	Grouted Riprap, Class "A"	AS EVALUATED									
		AS SUBMITTED	49.00	cu.m.	208,196.73	18.00%	37,475.41	12,283.61	49,759.02	257,955.75	5,264.40
506(1)	Stone Masonry	AS EVALUATED									
		AS SUBMITTED	119.50	cu.m.	642,912.64	18.00%	115,724.27	37,931.85	153,656.12	796,568.76	6,665.85
	TOTAL OF PART G	AS EVALUATED									
		AS SUBMITTED	-	-	4,851,402.68		873,252.48	286,232.76	1,159,485.24	6,010,887.92	
PART H	Miscellaneous Structure										
612(1)	Reflectorized Thermoplastic Pavement Markings (White)	AS EVALUATED									
		AS SUBMITTED	1,240.00	sq.m.	917,886.10	18.00%	165,219.50	54,155.28	219,374.78	1,137,260.88	917.15
	TOTAL OF PART H	AS EVALUATED									
		AS SUBMITTED			917,886.10		165,219.50	54,155.28	219,374.78	1,137,260.88	
	GRAND TOTAL	AS EVALUATED									
		AS SUBMITTED			101,094,756.43		17,974,468.22	5,953,461.23	23,927,929.46	125,022,685.89	

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. TORREFRANCA
 District Engineer
 Planning & Design Division

Name of Project : Road Widening - Primary Roads, Pagadian City - Zamboanga City Road

[illegible]

Prepared by:

ELWICK P. ACUÑA
Engineer II

Submitted by:

SATURNINO C. TORREFRANCA
Chief, Planning and Design Division

CAYMOMBAO D. DIA
Regional Director

Item No./Description : A.1.1(3)
Construction of Field Office for the Engineer
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.)
Labor				
A.1				
a. Construction Foreman	1	64	80.95	5,180.88
b. Masons	3	64	58.61	11,252.88
c. Carpenters	3	64	58.61	11,252.88
d. Laborers	6	64	45.16	17,340.00
Sub-Total for A-1 As Submitted				45,026.64
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. One Bagger Mixer	1	48	172.00	8,256.00
b. Water Truck	1	8	2,450.00	19,600.00
Minor Tools				4,502.66
Sub-Total for B-1 As Submitted				32,358.66
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				77,385.30
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				77,385.30
E.2				
Direct Unit Cost (C.2 +D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
I Earthworks (Excavation, Embankment & Bedd				
a. Gravel Bedding	cu.m.	3.50	1,863.85	6,523.48
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	309.00	27,810.00
b. Crushed Gravel	cu.m.	21.00	1,863.85	39,140.85
c. Washed Sand	cu.m.	18.00	2,063.85	37,149.30
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	309.00	13,905.00
c. Washed Sand	cu.m.	8.00	2,063.85	16,510.80
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

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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 Cromate	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 tangile	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					
					359,442.45
Equipment					
Sub-Total for F-2 As Submitted					
					436,827.75
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				
G.2	Direct Unit Cost (E.2+F.2) - As Evaluated				43,682.77
H.1	Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				
H.2	Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				34,946.22
I.1	Contractor's Profit - As Submitted				
I.2	Contractor's Profit - As Evaluated				25,772.84
J.1	Value Added Tax - As Submitted				
J.2	Value Added Tax - As Evaluated				541,229.58
K.1	Total Unit Cost - As Submitted				
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.1.1(11)
Unit of Measurement : 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	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				-
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	Unit	Quantity	Unit Cost	Amount (Php.)
	Materials				
	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	Kitchenware	L.S.	1.00	30,000.00	30,000.00
	g. (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	60,000.00	60,000.00
	Lighting/Water Fixtures				
	a. Electrical Bill	mo.	7.33	3,000.00	22,000.00
	b. Water Bill	mo.	7.33	1,500.00	11,000.00
	c. LPG (11 kg)	mo.	7.33	1,000.00	7,333.33
	Sub-Total for F-1 As Submitted				291,673.33
F.2	Equipment				
	Sub-Total for F-2 As Evaluated				
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				291,673.33
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				23,333.87
I.2	Contractor's Profit - As Evaluated				-
J.1	Value Added Tax - As Submitted				15,750.36
J.2	Value Added Tax - As Evaluated				-
K.1	Total Unit Cost - As Submitted				330,757.56
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 : 7.33 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	1,760.00	58.61	103,151.40
	Sub-Total for A-1 As Submitted				103,151.40
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				103,151.40
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	Unit	Quantity	Unit Cost	Amount (Php.)
F.1	Materials				
	a. Diesel	L	2,200.00	31.00	68,200.00
	b. Spare Parts	L.S.	1.00	40,000.00	40,000.00
	c. Engine Oil & Lubricants	L.S.	1.00	10,230.00	10,230.00
	d. Miscellaneous	L.S.	1.00	30,000.00	30,000.00
	Sub-Total for F-1 As Submitted				148,430.00
F.2	Equipment				
	Sub-Total for F-2 As Evaluated				
G.1	Direct Unit Cost (E.1+F.1) - As Submitted				148,430.00
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				7,421.50
J.2	Value Added Tax - As Evaluated				-
K.1	Total Unit Cost - As Submitted				155,851.50
K.2	Total Unit Cost - As Evaluated				-

Prepared by: 
ELWICK P. ACUÑA
Engineer II

Checked/Reviewed: 
ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : B.4(1)
Unit of Measurement : Construction Survey & Staking
Output per hour-As Submitted : 4.13 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	58.61	175.83
c. Unskilled Laborer	3	1	45.16	135.47
For Office Works				
a. Geodetic Engineer	1	3	104.16	312.49
b. Skilled Laborer	2	3	58.61	351.65
Sub-Total for A-1 As Submitted				1,079.60
Labor				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. Total Station w/ Complete Accessories	1	1	100.00	100.00
Minor Tools 10% of Labor				107.96
Sub-Total for B-1 As Submitted				207.96
Equipment				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				1,287.56
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				32,189.07
E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
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				
Sub-Total for F-2 As Evaluated				
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				43,214.07
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				4,321.41
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1 Contractor's Profit - As Submitted				3,457.13
I.2 Contractor's Profit - As Evaluated				-
J.1 Value Added Tax - As Submitted				2,549.63
J.2 Value Added Tax - As Evaluated				-
K.1 Total Unit Cost - As Submitted				53,542.23
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
Project Billboard/Signboard
Unit of Measurement : 4.00 each
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	16	80.95	1,295.22
b. Skilled Laborer	1	16	58.61	937.74
c. Unskilled Laborer	2	16	45.16	1,445.00
Sub-Total for A-1 As Submitted				3,677.96
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				
Sub-Total for B-1 As Submitted				-
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				3,677.96
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	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
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 : 7.33 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 Practioner	1	880.00	80.95	71,237.10
b. First Aider	1	1760.00	58.61	103,151.40
Sub-Total for A-1 As Submitted				174,388.50
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. 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				234,388.50
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				234,388.50
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
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
Equipment				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				261,148.50
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				20,891.88
I.2				
Contractor's Profit - As Evaluated				
J.1				
Value Added Tax - As Submitted				14,102.02
J.2				
Value Added Tax - As Evaluated				
K.1				
Total Unit Cost - As Submitted				296,142.40
K.2				
Total Unit Cost - As Evaluated				

Prepared by:

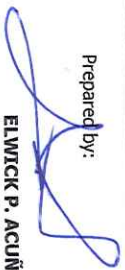
ELWICK P. ACUÑA
Engineer II

Checked/Reviewed

ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : B.9
Mobilization & Demobilization
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				
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	40	4,255.38	170,215.00
b. Water Truck	1	40	2,450.00	98,000.00
c. Backhoe	2	40	1,537.00	61,480.00
d. Bulldozer	1	40	3,379.00	135,160.00
B.1 Dump Truck	4	40	1,420.00	56,800.00
e. Payloader	1	40	1,733.00	69,320.00
g. Grader	1	40	2,173.00	86,920.00
Sub-Total for B-1 As Submitted				677,895.00
Equipment				
B.2 Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				677,895.00
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				677,895.00
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				677,895.00
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				67,789.50
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1 Contractor's Profit - As Submitted				54,231.60
I.2 Contractor's Profit - As Evaluated				-
J.1 Value Added Tax - As Submitted				39,995.81
J.2 Value Added Tax - As Evaluated				-
K.1 Total Unit Cost - As Submitted				839,911.91
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(2)
 Removal of Structure/Obstructions
 Unit of Measurement : 23.76 cu.m. 22.00 each
 Output per hour-As Submitted : 5.00
 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	80.95	80.95
b. Skilled Laborer	2	1	58.61	117.22
c. Unskilled Laborer	4	1	45.16	180.63
Sub-Total for A-1 As Submitted				378.79
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. Backhoe w/ Pavement Breaker	1	0.5	1,998.10	999.05
b. Backhoe	1	0.5	1,537.00	768.50
c. Dump Truck (12 cu.yd.)	1	0.25	1,420.00	355.00
Sub-Total for B-1 As Submitted				2,122.55
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				2,501.34
C.2				
Total (A.2+B.2) - As Evaluated				5.00
D.1				
Output per Hour - As Submitted				
D.2				
Output per Hour - As Evaluated				500.27
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				500.27
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				-
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				50.03
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				-
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				40.02
I.1				
Contractor's Profit - As Submitted				-
I.2				
Contractor's Profit - As Evaluated				29.52
J.1				
Value Added Tax - As Submitted				-
J.2				
Value Added Tax - As Evaluated				619.83
K.1				
Total Unit Cost - As Submitted				-
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:


Checked/Reviewed


ELWICK P. ACUÑA
 Engineer II


ISIDRA A. ESTANISLAO
 Engineer IV

Item No./Description : 101(4)a1
Removal of Structure/Obstructions
Unit of Measurement : 9.50 ln.m.
Output per hour-As Submitted : 6.00
Output per hour-As Evaluated :


Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (P/p.)
A.1				
Labor				
a. Foreman	1	1	80.95	80.95
b. Unskilled Laborer	2	1	45.16	90.31
Sub-Total for A-1 As Submitted				171.26
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (P/p.)
B.1				
Equipment				
a. Backhoe	1	1	1,537.00	1,537.00
b. Boom Truck	1	0.5	1,017.90	508.95
Sub-Total for B-1 As Submitted				2,045.95
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				2,217.21
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				6.00
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				369.54
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
F.1	Unit	Quantity	Unit Cost	Amount (P/p.)
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				369.54
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				36.95
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				29.56
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				21.80
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				457.85
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(8)
 Removal of Existing Guardrails
 Unit of Measurement : 1,057.50 In.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	80.95	80.95
b. Unskilled Laborer	2	1	45.16	90.31
Sub-Total for A-1 As Submitted				171.26
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. Cargo Truck	1	0.5	1,212.00	606.00
Sub-Total for B-1 As Submitted				606.00
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				777.26
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				38.86
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				38.86
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				3.89
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				3.11
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				2.29
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				48.15
K.2				
Total Unit Cost - As Evaluated				-

Prepared by: 
ELWICK P. ACUÑA
 Engineer II

Checked/Reviewed 
ISIDRA AL ESTANISLAO
 Engineer IV

Item No./Description : 101(9)
Unit of Measurement : Removal of Existing Guardrail Posts
Output per hour-As Submitted : 431.00 each
Output per hour-As Evaluated : 8.00

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Foreman	1	1	80.95	80.95
b. Unskilled Laborer	2	1	45.16	90.31
Sub-Total for A-1 As Submitted				171.26
Labor				
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	1	0.5	1,212.00	606.00
Sub-Total for B-1 As Submitted				606.00
Equipment				
Sub-Total for B-2 As Evaluated				
Total (A.1+B.1) - As Submitted				777.26
Total (A.2+B.2) - As Evaluated				-
Output per Hour - As Submitted				8.00
Output per Hour - As Evaluated				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				97.16
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				
Sub-Total for F-2 As Evaluated				
Direct Unit Cost (E.1+F.1) - As Submitted				97.16
Direct Unit Cost (E.2+F.2) - As Evaluated				-
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				9.72
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
Contractor's Profit - As Submitted				7.77
Contractor's Profit - As Evaluated				-
Value Added Tax - As Submitted				5.73
Value Added Tax - As Evaluated				-
Total Unit Cost - As Submitted				120.38
Total Unit Cost - As Evaluated				-

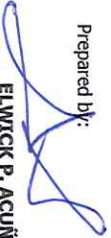
Prepared by:

ELWICK P. ACUÑA
Engineer II

Checked/Reviewed

ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 102(2)
Unit of Measurement : Surplus Common Excavation
Output per hour-As Submitted : 24,851.66 cu.m.
Output per hour-As Evaluated : 60.00

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Foreman	1	1	80.95	80.95
b. Unskilled Laborer	2	1	45.16	90.31
Sub-Total for A-1 As Submitted				171.26
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. 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				17.13
Sub-Total for B-1 As Submitted				8,402.38
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				8,573.64
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				
E.1 Direct Unit Cost (C.1 ÷ D.1) - As Submitted				142.89
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				142.89
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				14.29
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1 Contractor's Profit - As Submitted				11.43
I.2 Contractor's Profit - As Evaluated				-
J.1 Value Added Tax - As Submitted				8.43
J.2 Value Added Tax - As Evaluated				-
K.1 Total Unit Cost - As Submitted				177.05
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(1)a
Structure Excavation
Unit of Measurement : 652.00 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.)
Labor				
A.1				
a. Foreman	1	1	80.95	80.95
b. Unskilled Laborer	3	1	45.16	135.47
Sub-Total for A-1 As Submitted				216.42
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				21.64
Sub-Total for B-1 As Submitted				4,398.64
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				4,615.06
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				230.75
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				230.75
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				23.08
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				18.46
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				13.61
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				285.90
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

ELWICK P. ACUÑA
Engineer II

Checked/Reviewed

ISIDRA A. ESTANISLAO
Engineer IV

Road Vining - Primary Roads, Pagadian City - Zamboanga City
Zamboanga City

FORM-POW-2015-01D-00

Item No./Description : 103(3)
Foundation Fill
Unit of Measurement : 15.00 cu.m.
Output per hour-As Submitted : 1.25
Output per hour-As Evaluated :

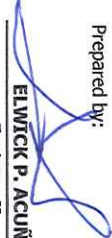
Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	1	80.95	80.95
b. Unskilled Laborer	4	1	45.16	180.63
Sub-Total for A-1 As Submitted				261.58
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity	No. of Units	No. of Hour/s	Hourly Rate	Amount (Php.)
Equipment				
a. Plate Compactor (5 hp)	1	1	123.00	123.00
b. Water Truck/Pump (16000 L)	1	0.01	2,450.00	24.50
Minor Tools 10% of Labor				26.16
Sub-Total for B-1 As Submitted				173.66
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				435.23
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				348.19
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
F.1				
Materials				
a. Filling Materials (Well Graded Sand)	cu.m.	1.15	2,063.85	2,373.43
Sub-Total for F-1 As Submitted				2,373.43
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				2,721.61
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				272.16
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				217.73
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				160.58
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				3,372.08
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(6)a
Pipe Culverts and Drain Excavation
Unit of Measurement : 192.00 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	80.95	80.95
b. Unskilled Laborer	3	1	45.16	135.47
Sub-Total for A-1 As Submitted				216.42
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				21.64
Sub-Total for B-1 As Submitted				4,398.64
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				4,615.06
C.2				
Total (A.2+B.2) - As Evaluated				20.00
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				230.75
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
F.1				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
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				230.75
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				23.08
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				18.46
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				13.61
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				285.90
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

ELWICK P. ACUÑA
Engineer II

Checked/Reviewed

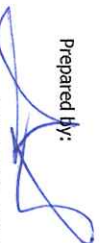
ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 104(1)a
Unit of Measurement : Embankment from Roadway Excavation
Output per hour-As Submitted : 18,653.50 cu.m.
Output per hour-As Evaluated : 50.00

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
For Excavation Work				
a. Foreman	1	0.83	80.95	67.19
b. Unskilled Laborer	2	0.83	45.16	74.96
Spreading and Compaction				
a. Foreman	1	1	80.95	80.95
b. Unskilled Laborer	2	1	45.16	90.31
Sub-Total for A-1 As Submitted				313.41
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				
For Excavation Work				
a. Bulldozer, D6H Series II PSDS/DD	1	0.83	3,379.00	2,804.57
b. Payloader (1.50 cu.m.)	1	0.83	1,733.00	1,438.39
c. Dump Truck (12 cu.yd.)	2	0.83	1,420.00	2,357.20
B.1				
Spreading and Compaction				
a. Motorized Road Grader (140 hp), G170A	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 (16000L)	1	0.25	2,450.00	612.50
Sub-Total for B-1 As Submitted				11,231.66
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				11,545.07
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				230.90
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				230.90
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				23.09
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				18.47
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				13.62
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				286.09
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:


Checked/Reviewed


ELWICK P. ACUÑA
Engineer II


ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 105(1)a
Subgrade Preparation
Unit of Measurement : 39,025.50 cu.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.)
A.1				
Labor				
a. Foreman	1	1	80.95	80.95
b. Unskilled Laborer	2	1	45.16	90.31
Sub-Total for A-1 As Submitted				171.26
A.2				
Labor				
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. 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				4,802.76
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				16.01
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
F.1				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
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				16.01
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				0.94
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				19.84
K.2				
Total Unit Cost - As Evaluated				-

Prepared by: 
ELWICK P. ACUÑA
Engineer II

Checked/Reviewed: 
ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 200(1)
Aggregate Subbase Course
Unit of Measurement :
Output per hour-As Submitted : 15,865.50 cu.m.
Output per hour-As Evaluated : 50.00

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	1	80.95	80.95
b. Unskilled Laborer	2	1	45.16	90.31
Sub-Total for A-1 As Submitted				171.26
Labor				
Sub-Total for A-2 As Evaluated				
A.2				
Sub-Total for A-2 As Evaluated				
B.1				
Equipment				
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				4,802.76
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				96.06
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
F.1				
Materials				
a. Aggregate Subbase Course (with 15% wastage factor)	cu.m.	1.15	1,343.85	1,545.43
Sub-Total for F-1 As Submitted				1,545.43
Materials				
Sub-Total for F-2 As Evaluated				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				1,641.48
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				164.15
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				131.32
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				96.85
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				2,033.80
K.2				
Total Unit Cost - As Evaluated				-

Prepared by: 
ELWICK P. ACUÑA
Engineer II

Checked/Reviewed: 
ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 300(1)
Unit of Measurement : Gravel Surface Course
Output per hour-As Submitted : 1,845.00 cu.m.
Output per hour-As Evaluated : 50.00

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	1	80.95	80.95
b. Unskilled Laborer	2	1	45.16	90.31
Sub-Total for A-1 As Submitted				171.26
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				4,802.76
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				96.06
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. Uncrushed Aggregate Surface Course (with 15% wastage factor)	cu.m.	1.15	1,361.85	1,566.13
Sub-Total for F-1 As Submitted				1,566.13
Equipment				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				1,662.18
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				166.22
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				132.97
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				98.07
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				2,059.44
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed


ELWICK P. ACUÑA
Engineer II



ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 311(1)a
Unit of Measurement : Portland Cement Concrete Pavement
Output per hour-As Submitted : 1,160.00 sq.m.
Output per hour-As Evaluated : 107.33

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
A.1				
a. Foreman	1	1	80.95	80.95
b. Skilled Laborer	4	1	58.61	234.44
b. Unskilled Laborer	12	1	45.16	541.88
Sub-Total for A-1 As Submitted				857.26
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
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
Minor Tools 5% of Labor				42.86
Sub-Total for B-1 As Submitted				12,039.47
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				12,896.73
C.2				
Total (A.2+B.2) - As Evaluated				-
D.1				
Output per Hour - As Submitted				107.33
D.2				
Output per Hour - As Evaluated				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				120.16
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.	0.33	38.00	12.54
b. Curing Compound	L	0.29	35.00	10.15
c. Asphalt Sealant	L	0.12	100.00	12.00
d. Steel Forms (Rental)	m.	0.46	40.00	18.40
F.1				
e. Sand	cu.m.	0.0825	2,063.85	170.27
f. Gravel	cu.m.	0.15	1,863.85	279.58
g. Cement	bag	1.43	309.00	441.87
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	0.0015	112.50	0.17
Sub-Total for F-1 As Submitted				945.82
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				1,065.98
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				106.60
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				85.28
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				62.89
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				1,320.75
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

Checked/Reviewed


ELWICK P. ACUÑA
Engineer II

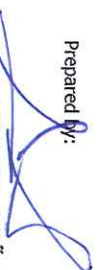

ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 311(1)e1
Unit of Measurement : Portland Cement Concrete Pavement
Output per hour-As Submitted : 27,684.50 sq.m.
Output per hour-As Evaluated : 57.50
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	80.95	80.95
b. Skilled Laborer	4	1	58.61	234.44
b. Unskilled Laborer	12	1	45.16	541.88
Sub-Total for A-1 As Submitted				857.26
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				
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
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
Minor Tools 5% of Labor				42.86
Sub-Total for B-1 As Submitted				12,039.47
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				12,896.73
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				224.29
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	40.00	18.40
F.1				
e. Sand	cu.m.	0.154	2,063.85	317.83
f. Gravel	cu.m.	0.28	1,863.85	521.88
g. Cement	bag	2.66	309.00	821.94
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				1,727.93
Materials				
Sub-Total for F-2 As Evaluated				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				1,952.22
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				195.22
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				156.18
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				115.18
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				2,418.80
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 : 14,079.00 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	80.95	80.95
b. Skilled Laborer	2	1	58.61	117.22
b. Unskilled Laborer	8	1	45.16	361.25
Sub-Total for A-1 As Submitted				559.42
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. Bar Cutter	1	0.5	219.75	109.88
b. Bar Bender	1	0.5	351.50	175.75
c. Cargo Truck (9 - 10 mt)	1	0.15	1,212.00	181.80
Sub-Total for B-1 As Submitted				467.43
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				1,026.84
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				
E.1				
Direct Unit Cost (C.1 ÷ D.1) - As Submitted				5.70
E.2				
Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Tie Wire (2% of RSB)	kg.	0.02	100.00	2.10
b. Reinforcing Steel Bar (with 5% wastage)	kg.	1.05	38.00	39.90
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				47.70
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				4.77
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				3.82
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				2.81
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				59.11
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

ELWICK P. ACUÑA

Engineer II

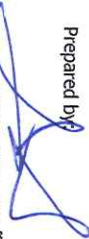
Checked/Reviewed


ISIDRA A. ESTANISLAO

Engineer IV

Item No./Description : 405(1)a3
Unit of Measurement : Structural Concrete, Class "A"
Output per hour-As Submitted : 348.00 cu.m.
Output per hour-As Evaluated : 1.40

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
a. Foreman	1	1	80.95	80.95
b. Skilled Laborer	4	1	58.61	234.44
c. Unskilled Laborer	8	1	45.16	361.25
A.1 Installation/Removal of Formworks				
a. Skilled Laborer	4	1	58.61	234.44
b. Unskilled Laborer	8	1	45.16	361.25
Sub-Total for A-1 As Submitted				1,272.32
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. 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
Minor Tools 5% of Labor				63.62
Sub-Total for B-1 As Submitted				756.07
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				2,028.39
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				1,448.85
E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Lumber, Good - 4 uses	bd.ft.	70.00	37.00	647.50
b. Marine Plywood (1/2" x 4' x 8') - 4 uses	pc.	1.60	1,100.00	440.00
c. Assorted CWN	kg.	0.70	65.00	45.50
d. Cement	bag	9.50	309.00	2,935.50
e. Sand	cu.m.	0.50	2,063.85	1,031.93
f. Gravel	cu.m.	1.00	1,863.85	1,863.85
Sub-Total for F-1 As Submitted				6,964.28
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				8,413.12
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				841.31
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1 Contractor's Profit - As Submitted				673.05
I.2 Contractor's Profit - As Evaluated				-
J.1 Value Added Tax - As Submitted				496.37
J.2 Value Added Tax - As Evaluated				-
K.1 Total Unit Cost - As Submitted				10,423.86
K.2 Total Unit Cost - As Evaluated				-

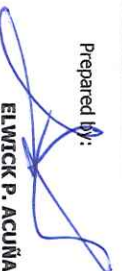
Prepared by: 
ELWICK P. ACUÑA
Engineer II

Checked/Reviewed: 
ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 500(1)b3
Pipe Culverts
Unit of Measurement : 129.00 ln.m.
Output per hour-As Submitted : 1.00
Output per hour-As Evaluated :

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	0.57	80.95	46.14
b. Skilled Laborer	2	0.57	58.61	66.81
c. Unskilled Laborer	4	0.57	45.16	102.96
Sub-Total for A-1 As Submitted				215.91
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. Backhoe (0.80 cu.m.)	1	0.29	1,537.00	445.73
b. Plate Compactor (5 hp)	1	0.29	123.00	35.67
Minor Tools 10% of Labor				21.59
Sub-Total for B-1 As Submitted				502.99
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				718.90
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				718.90
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	1.08	309.00	333.72
b. Sand	cu.m.	0.06	2,063.85	125.89
c. RC Pipes (910 mm. dia.)	pc.	1.00	1,665.00	1,665.00
d. Sand Bedding/Selected Sandy Soil	cu.m.	0.13	2,063.85	264.17
Sub-Total for F-1 As Submitted				2,388.79
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				3,107.69
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				310.77
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				248.62
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				183.35
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				3,950.43
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:


ELWICK P. ACUÑA

Engineer II

Checked/Reviewed


ISIDRA A. ESTANISLAO

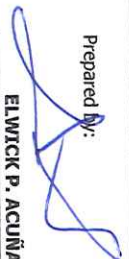
Engineer IV

Item No./Description : 505(2)a
Unit of Measurement : Grouted Riprap, Class "A"
Output per hour-As Submitted : 49.00 cu.m.
Output per hour-As Evaluated : 1.25

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
Labor				
A.1				
a. Foreman	1	1	80.95	80.95
b. Skilled Laborer	2	1	58.61	117.22
c. Unskilled Laborer	8	1	45.16	361.25
Sub-Total for A-1 As Submitted				559.42
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				55.94
Sub-Total for B-1 As Submitted				350.44
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1				
Total (A.1+B.1) - As Submitted				909.86
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				727.89
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				
a. Cement	bag	3.00	309.00	927.00
b. Sand	cu.m.	0.25	2,063.85	515.96
c. Gravel	cu.m.	0.015	1,863.85	27.96
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	1,763.85	1,852.04
Miscellaneous	1% of Material Cost			34.86
Sub-Total for F-1 As Submitted				3,521.02
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1				
Direct Unit Cost (E.1+F.1) - As Submitted				4,248.91
G.2				
Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1				
Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				424.89
H.2				
Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1				
Contractor's Profit - As Submitted				339.91
I.2				
Contractor's Profit - As Evaluated				-
J.1				
Value Added Tax - As Submitted				250.69
J.2				
Value Added Tax - As Evaluated				-
K.1				
Total Unit Cost - As Submitted				5,264.40
K.2				
Total Unit Cost - As Evaluated				-

Prepared by:

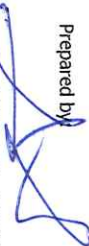
Checked/Reviewed


ELWICK P. ACUÑA
Engineer II


ISIDRA A. ESTANISLAO
Engineer IV

Item No./Description : 506(1)
 Unit of Measurement : Stone Masonry
 Output per hour-As Submitted : 119.50 cu.m.
 Output per hour-As Evaluated : 1.60

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	1	80.95	80.95
b. Skilled Laborer	2	1	58.61	117.22
c. Unskilled Laborer	8	1	45.16	361.25
Sub-Total for A-1 As Submitted				559.42
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. One Bagger Mixer	1	1	172.00	172.00
b. Water Truck/Pump (16000 L)	1	0.05	2,450.00	122.50
c. Backhoe (Wheel Type, 0.28 cu.m.)	1	0.1	922.00	92.20
Minor Tools 10% of Labor				55.94
Sub-Total for B-1 As Submitted				442.64
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				1,002.06
C.2 Total (A.2+B.2) - As Evaluated				-
D.1 Output per Hour - As Submitted				1.60
D.2 Output per Hour - As Evaluated				
E.1 Direct Unit Cost (C.1 ÷ D.1) - As Submitted				626.29
E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification	Unit	Quantity	Unit Cost	Amount (Php.)
Materials				
a. Cement	bag	5.50	309.00	1,699.50
b. Sand	cu.m.	0.30	2,063.85	619.16
c. Gravel	cu.m.	0.20	1,863.85	372.77
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	1,763.85	1,852.04
Miscellaneous 1% of Material Cost				47.07
Sub-Total for F-1 As Submitted				4,753.73
Materials				
F.2				
Sub-Total for F-2 As Evaluated				
G.1 Direct Unit Cost (E.1+F.1) - As Submitted				5,380.02
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				538.00
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1 Contractor's Profit - As Submitted				430.40
I.2 Contractor's Profit - As Evaluated				-
J.1 Value Added Tax - As Submitted				317.42
J.2 Value Added Tax - As Evaluated				-
K.1 Total Unit Cost - As Submitted				6,665.85
K.2 Total Unit Cost - As Evaluated				-

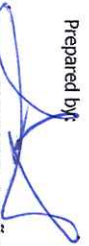
Prepared by

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 : 1,240.00 sq.m.
 Output per hour-As Evaluated : 25.00

Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (Php.)
A.1				
Labor				
a. Foreman	1	1	80.95	80.95
b. Skilled Laborer	2	1	58.61	117.22
c. Unskilled Laborer	6	1	45.16	270.94
Sub-Total for A-1 As Submitted				469.11
Labor				
A.2				
Sub-Total for A-2 As Evaluated				
Name and Capacity				
Equipment				
a. Cargo Truck (2 - 5 mt.)	1	1	783.00	783.00
b. Applicator Machine	1	1	93.75	93.75
c. Kneading Machine	1	1	187.50	187.50
Minor Tools 10% of Labor				46.91
Sub-Total for B-1 As Submitted				1,111.16
Equipment				
B.2				
Sub-Total for B-2 As Evaluated				
C.1 Total (A.1+B.1) - As Submitted				1,580.27
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				63.21
E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated				
Name and Specification				
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
d. LPG (50 kg.)	cyl.	0.00	3,450.00	13.80
e. LPG (12 kg.)	cyl.	0.00	828.00	1.66
f. Calsunline	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				740.23
G.2 Direct Unit Cost (E.2+F.2) - As Evaluated				-
H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted				74.02
H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated				-
I.1 Contractor's Profit - As Submitted				59.22
I.2 Contractor's Profit - As Evaluated				-
J.1 Value Added Tax - As Submitted				43.67
J.2 Value Added Tax - As Evaluated				-
K.1 Total Unit Cost - As Submitted				917.15
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	1,658.80
Portland Cement Concrete Pavement	73,640.77
Structural Concrete, Class "A"	3,306.00
Pipe Culverts	139.32
Groined Fltprop, Class "A"	147.00
Stone Masonry	657.25
T O T A L	79,684.14

Quantity = **79,684.14** Bags

Delivery Charge = P 0.120 / bag / Km.

S I T E	HAULING DISTANCE
Zamboanga City DEO	60.00
Batching plant	

*Average hauling distance from source to assumed Stockpiling area :

soy 60.00 Km.

$$\text{Delivery Charge} = P \ 0.120 \times 60.00 \\ = P \ 7.20 \text{ / bag}$$

*Delivery Truck : 79,684.14 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	$= \frac{60.00}{30.00} \times 60 = 120.00$ mins.	
Unloaded running	$= \frac{60.00}{40.00} \times 60 = 90.00$ mins.	
Loading and Unloading allowance for delay/traffic	: 45.00 mins.	
Capacity of Dumptruck	: 3.00 cum.	
	: 8.00 cum.	
	: 500.00 bags	
	: 258.00 mins.	
Total Cycle time	$= \frac{8.0}{258.00} \times 60.00 = 1.86$ soy	1.86
No. of tips for Dumptruck per day	$= \frac{500}{258.00} \times 1.86 = 930.23$ cum.	hip
Dumptruck daily output	$= 500 \times 1.86 = 930.23$ cum.	
Using (3) Dumptrucks	$= 3 \times 930.23 = 2,790.70$ cum.	

- No. of days for Delivery Truck $= \frac{79,684.14}{2,790.70} = 28.55$ soy days
- No. of days for Labor, for unloading = complimentary to D. Truck days = 28.55 days

DELIVERY COST :

79,684.14 - Bags, Portland Cement	@ P 7.20 / bag	= P
Sub - Total		573,725.81

LABOR :

1 - Foreman	@ P 611.92 /day	x 28.55 days = P	17,472.45
10 - Laborers, unloading	@ P 342.24 /day	x 28.55 days = P	97,721.44
Sub - Total			115,193.89

MATERIALS :

79,684.14 - Bags, Portland Cement	@ P 300.00 / bag	= P
Sub - Total		23,905,242.00

Estimated Quantity	79,684.14 Bags	
Unit Cost	308.65 / Bag.	soy P 309.00 / Bag
Grand Total	P 24,594,161.70	
Delivery Cost	P 573,725.81	
Labor	P 115,193.89	
Materials	P 23,905,242.00	

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UNIT COST ANALYSIS FOR HAULING COST FOR ALL AGGREGATES

Hauling Cost from the Quarry to Batching 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.)	:	16,000.00	Kgs.
Unit weight of Fine Aggregates	:	1,640.00	kg/m ³
Unit weight of Coarse Aggregates	:	1,534.00	kg/m ³
Maximum Volume to be Carried per DT	:	11.57	cu.m.

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

Speed when loaded	:	30.00	kph
Speed when unloaded	:	40.00	kph
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	=	10 x 18.82	= 188.24 cu.m.
Using (5) Dumptrucks	=	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	P 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

	Hauling Distance	Unit Cost per cu.m./km.	Hauling Cost per cu.m.	Unit Price	Unit Cost per cu.m.
Cost of Fine Aggregates:	55.00 x	12.07 =	663.85 +	1,400.00 =	2,063.85
Cost of Coarse Aggregates:	55.00 x	12.07 =	663.85 +	1,200.00 =	1,863.85
Cost of Item 200 Materials:	55.00 x	12.07 =	663.85 +	680.00 =	1,343.85
Cost of Item 201 Materials:	55.00 x	12.07 =	663.85 +	680.00 =	1,343.85
Cost of Item 300 Materials:	55.00 x	12.07 =	663.85 +	698.00 =	1,361.85
Cost of Boulders:	55.00 x	12.07 =	663.85 +	1,100.00 =	1,763.85
Cost of Embankment, Common Borrow:	5.00 x	12.07 =	60.35 +	328.00 =	388.35

AN