

Republic of the Philippines  
 Department of Public Works and Highways  
 Bureau : DPWH  
 Region : IX  
 District/City : Zamboanga City

**PROGRAM OF WORK**  
 (For all types of Project)

Date :

<b>NAME/LOCATION OF PROJECT :</b>  RESTORATION/IMPROVEMENT OF LUPA PULA - UMUS MATAHA NATIONAL ROAD MAPUN, TAWI-TAWI		Appropriation : <b>P 50,000,000.00</b>				
		Source of Funds :				
		Issued Obligated Authority :				
		Released :				
<b>PROJECT CATEGORY :</b>  NATIONAL ROAD		Cal. Days to Complete : 118 Calendar Days				
		Desirable Starting Date : Upon Approval				
		Mode of Implementation : By Administration				
<b>PROJECT DESCRIPTION :</b> Scope of Work : New Road Opening, Concrete Road Width : 6.70 meters, (PCCP 0.23 m. thk.) Roadbed Width : 12.00 meters Sub base Course : 0.30 meter thick Surface course : 0.15 meter thick		<b>NET LENGTH :</b>  K 0+200.00 - K 1+690.00  <b>N.L. = 1,490.00 In.m.</b>				
<b>MINIMUM EQUIPMENT REQUIREMENT :</b>			<b>TECHNICAL PERSONNEL REQUIRED :</b>			
<b>Description</b>	<b>No.</b>	<b>Description</b>	<b>No.</b>	<b>Description</b>	<b>No.</b>	
Bulldozer (155 HP), D6H	1	Batching Plant (30 cu.m.)	1	Project Engineer	1	
Payloader (1.50 cu.m.), LX80-2C	2	Concrete Saw, Blade Ø 14" (7.5 Hp)	1	Materials Engineer	1	
Motorized Road Grader, G710A	1	Bar Cutter, Single Phase	1	Materials Lab. Tech.	1	
Vibratory Roller (10 m.t.), SD 100 DC	1	Bar Bender	1	Surveyor	1	
Dumptruck (10 cu.m.)	3	Plate Compactor (5Hp)	1	Safety Practitioner	1	
Backhoe (0.80 cu.m.), SE 130 LC-2	1	One Bagger Mixer	2	Carpenter	5	
Water Truck (16000 lit.)	1	Concrete Vibrator	2	Mason	5	
Transit Mixer (5 cu.m.)	4			Laborer	25	
<b>ESTIMATED COST OF PROPOSED WORK</b>						
ITEM NO.	DESCRIPTION	% OF TOTAL	UNIT	QUANTITY	DIRECT COST	
					TOTAL	UNIT COST
102(2)	Surplus Common Excavation	0.05%	cu.m.	134.00	19,368.83	144.54
104(1)a3	Embankment (from Excavation)	1.88%	cu.m.	3,223.00	733,156.21	227.48
105(a)	Subgrade Preparation	0.40%	sq.m.	9,885.00	157,042.34	15.89
200(1)	Aggregate Subbase Course, 0.25m. Thick	41.33%	cu.m.	5,134.00	16,155,083.87	3,146.69
300(1)	Aggregate Surface Course	4.64%	cu.m.	556.00	1,813,497.19	3,261.69
311(1)c1	Portland Cement Concrete Pavement, 0.23m. Thick	51.14%	sq.m.	10,384.00	19,987,117.78	1,924.80
FE A.1.3	Construction Survey and Staking	0.10%	km.	1.49	39,371.85	26,424.06
FE A.1.4	Project Billboard	0.02%	unit	2.00	8,283.12	4,141.56
FE A.1.5	Construction Safety and Health Program	0.16%	l.s.	1.00	63,778.97	63,778.97
	Mobilization/Demobilization	0.27%	l.s.	1.00	107,360.00	107,360.00
<b>TOTAL</b>		<b>100.00%</b>			<b>P 39,084,060.15</b>	

NAME OF PROJECT : RESTORATION/IMPROVEMENT OF LUPA PULA - UMUS MATAHA NATIONAL ROAD  
MAPUN, TAWI-TAWI

STATION LIMIT : K 0+200.00 - K 1+690.00

BREAKDOWN OF ESTIMATED EXPENDITURES	% OF TOTAL	AMOUNT
I. ESTIMATED COST		
A. DIRECT COST		
A.1. Materials	71.15	35,575,268.56
A.2. Labor	0.39	193,907.95
A.3. Equipment Expenses	6.63	3,314,883.64
<b>SUB-TOTAL (DIRECT COST)</b>	<b>78.17</b>	<b>P 39,084,060.15</b>
B. INDIRECT COST (Per D.O. # 57)		
B.1. Overhead, Contingency & Misc. (9% Max. of D.C.)	7.04	3,517,565.41
B.2. Profit (8 % Max. of D.C.)	6.25	3,126,724.81
C. VAT (5% of D.C. and I.C. Per D.O. # 57)	4.57	2,285,284.44
<b>SUBTOTAL (CONTRACT COST)</b>	<b>96.03</b>	<b>P 48,013,634.82</b>
II. ESTIMATED GOVERNMENT EXPENDITURES		
1. Engineering and Administrative Overhead (3.50%)	3.50	1,750,000.00
2. Detailed Engineering (1%)		
3. Reserved for the Payment of RROW	0.47	236,365.18
4. Physical Reserved	0.00	-
<b>TOTAL ESTIMATED PROJECT COST</b>	<b>100.00</b>	<b>P 50,000,000.00</b>

Prepared by:

Checked:

Submitted:

**SHADIMAR JALAI**

Engineer II

**JERALD R. BARRERA**

Engineer II

**LEONCIO B. SOLAMILLO**

Chief, Construction Division

Recommending Approval:

**CAYAMOMBAO D. DIA**

OIC - Assistant Regional Director

Approved:

**JORGE U SEBASTIAN JR., CESO III**

Regional Director

**APPROVED BUDGET FOR THE CONTRACT**

RESTORATION/IMPROVEMENT OF LUPA PULA - UMUS MATAHA NATIONAL ROAD MAPUN, TAWI-TAWI  
K 0+200.00 - K 1+690.00

Contract Duration : **104 Calendar Days**

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	ESTIMATED DIRECT COST	MARK-UPS IN PERCENT		TOTAL MARK-UPS		VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
					OCM	PROFIT	%	VALUE				
					(6)	(7)	(8)	(9)				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(5) x (8)	5%[(5) + (9)]	(11)	(12)	(13)
102(2)	Surplus Common Excavation	134.00	cu.m.	19,368.83	9.00	8.00	17.00	3,292.70	1,133.08	4,425.78	23,794.61	177.57
104(1)a3	Embankment (from Excavation)	3,223.00	cu.m.	733,156.21	9.00	8.00	17.00	124,636.55	42,889.64	167,526.19	900,682.40	279.45
105(a)	Subgrade Preparation	9,885.00	sq.m.	157,042.34	9.00	8.00	17.00	26,697.20	9,186.98	35,884.17	192,926.51	19.52
200(1)	Aggregate Subbase Course, 0.25m. Thick	5,134.00	cu.m.	16,155,083.87	9.00	8.00	17.00	2,746,364.26	945,072.41	3,691,436.66	19,846,520.53	3,865.70
300(1)	Aggregate Surface Course	556.00	cu.m.	1,813,497.19	9.00	8.00	17.00	308,294.52	106,089.59	414,384.11	2,227,881.30	4,006.98
311(1)c1	Portland Cement Concrete Pavement, 0.23m. Thick	10,384.00	sq.m.	19,987,117.78	9.00	8.00	17.00	3,397,810.02	1,169,246.39	4,567,056.41	24,554,174.19	2,364.62
FE A.1.3	Construction Survey and Staking	1.49	km.	39,371.85	9.00	8.00	17.00	6,693.22	2,303.25	8,996.47	48,368.32	32,461.96
FE A.1.4	Project Billboard	2.00	unit	8,283.12	9.00	8.00	17.00	1,408.13	484.56	1,892.69	10,175.81	5,087.91
FE A.1.5	Construction Safety and Health Program	1.00	l.s.	63,778.97	9.00	8.00	17.00	10,842.42	3,731.07	14,573.49	78,352.46	78,352.46
0	Mobilization/Demobilization	1.00	l.s.	107,360.00	9.00	8.00	17.00	18,251.20	6,280.56	24,531.76	131,891.76	131,891.76
<b>T O T A L</b>				<b>39,084,060.15</b>					<b>2,285,284.44</b>		<b>47,990,973.29</b>	

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