



REPUBLIC OF THE PHILIPPINES  
CITY OF ILAGAN  
Province of Isabela



**PROGRAM OF WORK**

Project: **Concreting of Sidewalk**  
Location: **Civic Center Brgy Alibagu, City of Ilagan, Isabela**

ROAD:  
PCCP, Length: **360.00 m**  
PCC Pavement Width : **6.00 m**  
PCCP Thickness : **0.15 m**

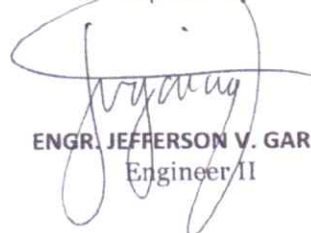
Appropriation:

DESCRIPTION OF WORKS TO BE DONE	% OF TOTAL	EQUIPMENT	
		DESCRIPTION	REQUIRED
I. ROADS	100.00%	PLEASE SEE ATTACHED	
<b>TOTAL</b>	<b>100.00%</b>		

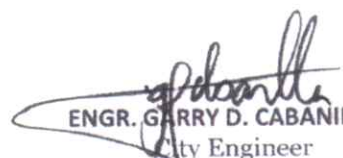
**ESTIMATED COST OF THE PROJECT**

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL ESTIMATED DIRECT COST
201	Aggregate Base Course	352.80	cu.m.	1,346.40	475,009.61
311	Portland Cement Concrete Pavement (Plain), Thickness = 150mm	264.60	cu.m	14,660.93	3,879,283.10
<b>TOTAL</b>					<b>Php 4,354,292.71</b>
<b>SAY</b>					<b>4,355,000.00</b>

Prepared by :

  
ENGR. JEFFERSON V. GARCIA  
Engineer II

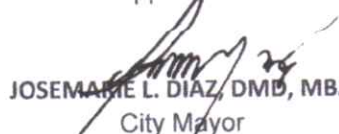
Checked By :

  
ENGR. GARRY D. CABANILLA  
City Engineer

Recommending Approval :

  
ENGR. CRISANTA D. CONCEPCION  
OIC-City Planning & Dev't, Coordinator

Approved :

  
JOSEMARIE L. DIAZ, DMD, MBA  
City Mayor

## DETAILED UNIT PRICE ANALYSIS

Project: Concreting of Sidewalk  
 Location: Civic Center Brgy Alibagu, City of Ilagan, Isabela

Item No. : 201  
 Description : Aggregate Base Course

Quantity = 352.80  
 Unit = cu.m.

A. Name and Capacity of Equipment (Operated)	No. of Units	No. Days	Rate/Day	Total Cost (Pesos)
Road Grader, G710A	1	2.00	23,599.00	47,198.00
Vibratory Roller	1	2.00	14,768.00	29,536.00
Water Truck with pump	1	2.00	19,600.00	39,200.00

**A. SUB-TOTAL, EQUIPMENT** **P 115,934.00**

B. Designation of Personnel	No. of Men	No. of Days	Rate/Day	Total Cost (Pesos)
Foreman	1	2.00	P 743.84	P 1,487.68
Skilled Laborer	20	2.00	P 537.76	P 21,510.40
Unskilled Laborer	20	2.00	P 414.80	P 16,592.00

**B. SUB-TOTAL, LABOR** **P 39,590.08**

C. Name and Description	Qty	Unit	Unit Cost	Total Cost (Pesos)
Aggregate Base Course Mixed Gravel	318	cu.m.	P 650.00	P 206,388.00

**C. SUB-TOTAL, MATERIAL** **P 206,388.00**

**SUMMARY:**

A	Equipment			P 115,934.00
B	Labor			P 39,590.08
C	Materials			P 206,388.00
D	<b>TOTAL DIRECT COST</b>	<b>(A+B+C)</b>		<b>P 361,912.08</b>
	<b>DIRECT UNIT COST</b>	<b>D/Quantity</b>		<b>1,025.83</b>
E	OCM/Profit	25% of D		P 90,478.02
F	VAT	5% (D+E)		P 22,619.51
G	<b>Total Cost</b>	<b>(D+E+F)</b>		<b>P 475,009.61</b>
H	<b>UNIT COST</b>	<b>(G/Quantity)</b>		<b>1,346.40</b>

## DETAILED UNIT PRICE ANALYSIS

Project: **Concreting of Sidewalk**  
 Location: **Civic Center Brgy Alibagu, City of Ilagan, Isabela**

Item No. : 311  
 Description : **Portland Cement Concrete Pavement(Plain), Thickness = 200mm**

Quantity = **264.60**  
 Unit = **cu.m**

A. Name and Capacity of Equipment (Operated)	No. of Units	No. of Days	Rate/Day	Total Cost (Pesos)
Transit Mixer(5 cu.m)	3	15.00	P 11,544.00	P 519,480.00
Concrete Vibrator	1	15.00	P 800.00	12,000.00
Batching Plant(30 cu.m)	1	15.00	P 15,076.00	226,140.00
Payloader(1.50 cu.m), LX80-2C	1	15.00	P 14,864.00	222,960.00
Concrete Screeder(5.5 Hp)	1	15.00	P 4,800.00	72,000.00
Water Truck(1000 gal.)	1	15.00	P 20,600.00	309,000.00
Concrete Saw, Blade 14" dia.(7.5 Hp)	1	15.00	P 300.00	4,500.00
Bar Cutter, Single Phase	1	7.00	P 1,820.00	12,740.00

**A. SUB-TOTAL , EQUIPMENT** 5,210.96 P 1,378,820.00

B. Designation of Personnel	No. of Men	No. of Days	Rate/Day	Total Cost (Pesos)
Foreman	1	15.00	P 743.84	P 11,157.60
Skilled Worker	17	15.00	P 537.76	137,128.80
Unskilled Laborer	17	15.00	P 414.80	105,774.00

**B. SUB-TOTAL, LABOR** - MD 960.17 P 254,060.40

C. Name and Description	Qty	Unit	Unit Cost	Total Cost (Pesos)
Reinforcing Steel Bar	582.12	kg.	P 55.00	P 32,016.60
Curing Compound	511.56	lit.	P 63.00	32,228.28
Asphalt Sealant	211.68	lit.	P 63.00	13,335.84
Steel Forms( Rental)	168.00	l.m	P 85.00	14,280.00
Sand(processed)	145.53	cu.m	P 850.00	123,700.50
Gravel(processed)	291.06	cu.m	P 900.00	261,954.00
Cement	3,176.00	bag	P 263.00	835,288.00
Concrete saw(diamond blade 14")	1.00	pc	P 8,800.00	8,800.00
Pipe Sleeve, 1" dia.	15.76	l.m.	P 38.00	598.85
Greese/Tar	2.65	lit.	P 212.00	561.80

**C. SUB-TOTAL, MATERIAL** P 1,322,763.87

### SUMMARY:

A	Equipment		P 1,378,820.00
B	Labor		P 254,060.40
C	Materials		P 1,322,763.87
D	<b>TOTAL DIRECT COST</b>	<b>(A+B+C)</b>	<b>P 2,955,644.27</b>
	<b>DIRECT UNIT COST</b>	<b>D/Quantity</b>	<b>11,170.24</b>
E	OCM/Profit	25% of D	P 738,911.07
F	VAT	5% (D+E)	P 184,727.77
G	<b>Total Cost</b>	<b>(D+E+F)</b>	<b>P 3,879,283.10</b>
H	<b>UNIT COST</b>	<b>(G/Quantity)</b>	<b>14,660.93</b>



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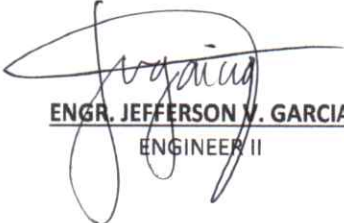
Republic of the Philippines  
**CITY OF ILAGAN**  
Province of Isabela

Project Title : CONSTRUCTION OF SHOULDER GUTTER AND PLANT BOX  
Project Location : CIVIC CENTER BRGY. ALIBAGU, CITY OF ILAGAN, ISABELA

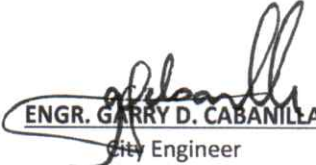
**PROGRAM OF WORKS  
SUMMARY**

ITEM	Scope of Work	Quantity	Unit	Unit Price	Amount
I	<b>MASONRY WORKS</b>				-
	A. Laying of CHB	1,802.90	sq.m	698.11	1,258,615.79
	B. Plain cement finish	398.36	sq.m	2,799.67	1,115,277.45
<b>TOTAL PROJECT COST:</b>				<b>PHP</b>	<b>2,373,893.24</b>
				<b>SAY</b>	<b>2,374,000.00</b>

Prepared by:

  
**ENGR. JEFFERSON V. GARCIA**  
ENGINEER II

Checked by:

  
**ENGR. GARRY D. CABANILLA**  
City Engineer

Recommending Approval:

  
**ENGR. CRISANTA D. CONCEPCION**  
OIC-City Planning & Dev't Coordinator

Approved:

**HON. JOSEMARIE L. DIAZ, DMD, MBA**  
City Mayor

**DETAILED ESTIMATE**

DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
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**ITEM I. MASONRY WORKS**

QTY = 1802.9 sq.m

A. LAYING OF CHB

*Materials:*

Portland Cement	650.00	bags	230.00	=	149,500.00
CHB 6"	2,500.00	pcs	15.00	=	37,500.00
Mix Gravel	105	cu.m	650.00	=	68,250.00
<b>MATERIALS COST</b>				=	<b>₱ 255,250.00</b>

*Labor:*

	No. of men	No. of days	Daily rate	=	
Foreman	1	24	743.84	=	17852.16
Skilled	30	24	537.76	=	387187.20
Laborer	30	24	414.80	=	298,656.00

<b>LABOR COST</b>	=	<b>₱ 703,695.36</b>
<b>DIRECT COST</b>	=	<b>₱ 958,945.36</b>
<b>PROFIT</b>	=	<b>₱ 95,894.54</b>
<b>OCM</b>	=	<b>₱ 143,841.80</b>
<b>VAT</b>	=	<b>₱ 59,934.09</b>
<b>SUB-TOTAL</b>	=	<b>₱ 1,258,615.79</b>

Unit Cost	=	<b>₱ 1,258,615.79</b>	=	<b>₱ 698.11</b>
		1802.9		

Total Estimated Cost =	1802.9	x	<b>₱ 698.11</b>	=	<b>₱ 1,258,615.79</b>
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B. PLAIN CEMENT FINISH

QTY = 398.36 sq.m

*Materials:*

Sand	50	cu.m	650	=	32,500.00
Cement	350	bags	230	=	80,500.00
<b>MATERIALS COST</b>				=	<b>₱ 113,000.00</b>

*Labor:*

	No. of men	No. of days	Daily rate	=	
Foreman	1	30	743.84	=	22315.20
Skilled	25	30	537.76	=	403320.00
Laborer	25	30	414.80	=	311,100.00

<b>LABOR COST</b>	=	<b>₱ 736,735.20</b>
<b>DIRECT COST</b>	=	<b>₱ 849,735.20</b>
<b>PROFIT</b>	=	<b>₱ 84,973.52</b>
<b>OCM</b>	=	<b>₱ 127,460.28</b>
<b>VAT</b>	=	<b>₱ 53,108.45</b>
<b>SUB-TOTAL</b>	=	<b>₱ 1,115,277.45</b>

Unit Cost	=	<b>₱ 1,115,277.45</b>	=	<b>₱ 2,799.67</b>
		398.36		

Total Estimated Cost =	398.36	x	<b>₱ 2,799.67</b>	=	<b>₱ 1,115,277.45</b>
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<b>TOTAL PROJECT COST</b>	=	<b>PhP 2,373,893.24</b>
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Prepared by:

**ENGR. JEFFERSON V. GARCIA**  
ENGINEER II



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**CITY OF ILAGAN**  
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				<b>SAY</b>	<b>2,374,000.00</b>

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<b>LABOR COST</b>				=	<b>₱ 703,695.36</b>
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<b>OCM</b>				=	<b>₱ 143,841.80</b>
<b>VAT</b>				=	<b>₱ 59,934.09</b>
<b>SUB-TOTAL</b>				=	<b>₱ 1,258,615.79</b>

Unit Cost =  $\frac{\text{₱ } 1,258,615.79}{1802.9} = \text{₱ } 698.11$

Total Estimated Cost = 1802.9 x ₱ 698.11 = **₱ 1,258,615.79**

B. PLAIN CEMENT FINISH

QTY = 398.36 sq.m

*Materials:*

Sand	50	cu.m	650	=	32,500.00
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<b>VAT</b>				=	<b>₱ 53,108.45</b>
<b>SUB-TOTAL</b>				=	<b>₱ 1,115,277.45</b>

Unit Cost =  $\frac{\text{₱ } 1,115,277.45}{398.36} = \text{₱ } 2,799.67$

Total Estimated Cost = 398.36 x ₱ 2,799.67 = **₱ 1,115,277.45**

**TOTAL PROJECT COST = PhP 2,373,893.24**

Prepared by:

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