

PART E: SURFACE COURSES

ITEM NO.:	505	UNIT:	CU.M.
DESCRIPTION:	GROUTED RIPRAP	QUANTITY:	290.4

	DESCRIPTION	QTY	DAYS	UNIT COST	AMOUNT
A.	Equipment Rental(To include fuel, oil, lubricants, and equipment maintenance)				
a.	Water Truck (1000 gal.)	1			
b.	One Bagger Mixer	1			
c.	Minor Tools				
				Equipment Total	
B.	Labor:				
a.	Construction Foreman				
b.	Skilled Laborers				
				Skilled Sub-Total	
c.	Laborers				
				Unskilled Sub-Total	
				Labor Total	
C.	Materials				
a.	Portland Cement	872	bags		
b.	Sand	72.6	cu.m.		
c.	Gravel Fill	5	cu.m.		
d.	Weep Holes (PVC)	88	l.m.		
e.	Filter Cloth	5	sq.m.		
f.	Boulders	291	cu.m.		
g.	Miscellaneous				
				Material Total	

D. DIRECT COST(A+B+C)	_____	DIRECT COST	_____
E. OCM	_____	DIRECT COST	_____
F. Contractor's Profit	_____	DIRECT COST	_____
G. Tax		7% (DC+OCM+CP)	_____
H. INDIRECT COST(E+F+G)			_____
I. TOTAL ITEM COST(D+H)			_____
		Unit Cost/cu.m.	_____

PART G: DRAINAGE AND SLOPE PROTECTION STRUCTURES

ITEM NO.:	500(1)a1	UNIT:	L.M.
DESCRIPTION:	PIPE CULVERTS, 610mm DIA. (24" Ø)	QUANTITY:	8.10

A.	Name and Capacity	No. of Units	No. of Days	Daily Rate	Amount
	Equipment Rental (To include fuel, oil, lubricants, and equipment maintenance)				
a.	Backhoe (0.80 cu.m.)	1			
b.	Plate Compactor (5 Hp)	1			
c.	Minor Tools (10% of Labor Cost)				
				Sub - Total for A	
B.	Designation	No. of Person	No. of Days	Daily Rate	Amount
	Labor				
a.	Construction Foreman				
b.	Skilled Laborer				
c.	Backhoe (0.80 cu.m.) Operator				
				Skilled Sub-Total	
d.	Laborers				
e.	Backhoe (0.80 cu.m.) Helper				
				Unskilled Sub-Total	
				Sub - Total for B	
C.	Name and Specification	Quantity	Unit	Unit Cost	Amount
	Materials				
a.	Portland Cement	7	bags		
b.	Sand	0.4	cu.m.		
c.	R.C. Pipes (610mm dia.)	9.0	l.m.		
d.	Gravel Bedding	1	cu.m.		
					Sub - Total for C

D. DIRECT COST(A+B+C)			
E. OCM	DIRECT COST		_____
F. Contractor's Profit	DIRECT COST		_____
G. Tax	7% (DC+OCM+CP)		_____
H. INDIRECT COST(E+F+G)			_____
I. TOTAL ITEM COST(D+H)			_____
		Unit Cost/l.m.	_____

PART B: PLAIN AND REINFORCED CONCRETE

ITEM NO.:	900(7)	UNIT:	CU.M.
DESCRIPTION:	REINFORCED CONCRETE (3000PSI @14DAYS)	QUANTITY:	2.87

DESCRIPTION	QTY	DAYS	UNIT COST	AMOUNT
A. Equipment Rental(To include fuel, oil, lubricants, and equipment maintenance)				
a. Bar Cutter, Single Phase	1			
b. Bar Bender	1			
c. One Bagger Mixer	1			
d. Concrete Vibrator	1			
e. Water Truck (1000 gal.)	1			
f. Minor Tools (5% of Labor Cost)				
			Equipment Total	
B. Labor:				
<i>Reinforcing Steel Bar Works:</i>				
a. Construction Foreman				
b. Skilled Laborers				
			Skilled Sub-Total	
c. Laborers				
			Unskilled Sub-Total	
<i>Formworks and Concrete Works:</i>				
d. Construction Foreman				
e. Water Truck (1000 gal.) Driver				
f. Skilled Laborers				
			Skilled Sub-Total	
g. Water Truck (1000 gal.) Helper				
h. Laborers				
			Unskilled Sub-Total	
			Labor Total	
C. Materials				
a. #16 G.I. Tie Wire (2% of RSB)	1	kgs.		
b. 10mm Dia. RSB, GRADE 33 w/ 5% Wastage	49	kgs.		
c. Lumber, Good - 4 uses	50	bd.ft.		
d. Marine Plywood (1/2"x4'x8') - 4 uses	4	pc.		
e. Assorted CWN (1kg./100 bd.ft. of Lumber)	1	kgs.		
f. Cement	27	bags		
g. Sand	1.6	cu.m.		
h. Gravel	3.0	cu.m.		
			Material Total	

D. DIRECT COST(A+B+C)			
E. OCM		DIRECT COST	_____
F. Contractor's Profit		DIRECT COST	_____
G. Tax		7% (DC+OCM+CP)	_____
H. INDIRECT COST(E+F+G)			_____
I. TOTAL ITEM COST(D+H)			_____
		Unit Cost/cu.m.	_____

PART H: MISCELLANEOUS STRUCTURES

ITEM NO.:	600	UNIT:	L.M.
DESCRIPTION:	CONCRETE CURB & GUTTER (3000 PSI @ 14 DAYS)	QUANTITY:	600

DESCRIPTION	QTY	DAYS	UNIT COST	AMOUNT
A. Equipment Rental(To include fuel, oil, lubricants, and equipment maintenance)				
a. Concrete Vibrator	1			
b. One Bagger Mixer	1			
c. Minor Tools (10% of Labor Cost)				
			Equipment Total	
B. Labor:				
a. Construction Foreman				
b. Skilled Laborers				
			Skilled Sub-Total	
c. Laborers				
			Unskilled Sub-Total	
			Labor Total	
C. Materials				
a. Sand	33	cu.m.		
b. Gravel	66	cu.m.		
c. Cement	598	bags.		
d. Reinforcing Steel Bar (Tie Bar)	356	kgs.		
e. Plywood Marine, 1/2" thk. x 4' x 8' - 4 uses	5	pcs.		
f. Form Lumber - 4 uses	125	bd.ft.		
g. Assorted CWNs (1kg./100 db.ft. of Lumber)	6	kgs.		
h. Miscellaneous (2% of Materials)				
			Material Total	

D. DIRECT COST(A+B+C)	_____	_____	_____
E. OCM	_____	DIRECT COST	_____
F. Contractor's Profit	_____	DIRECT COST	_____
G. Tax		7% (DC+OCM+CP)	_____
H. INDIRECT COST(E+F+G)			_____
I. TOTAL ITEM COST(D+H)			_____
			Unit Cost/l.m. _____

PART E: SURFACE COURSES

ITEM NO.:	311	UNIT:	SQ.M.
DESCRIPTION:	PORTLAND CEMENT CONCRETE PAVEMENT, 200MM THICK	QUANTITY:	1540

DESCRIPTION	QTY	DAYS	UNIT COST	AMOUNT
A. Equipment Rental(To include labor, fuel, oil, lubricants, and equipment maintenance)				
a. Transit Mixer (5 cu.m.)	4			
b. Concrete Vibrator	2			
c. Backhoe (0.80 m3/1.04 yd3)	1			
d. Concrete Screeder (5.5 Hp)	1			
e. Water Truck (1000 gal.)	1			
f. Concrete Saw, Blade Ø 14" (7.5 Hp.)	1			
g. Bar Cutter, Single Phase	1			
h. Steel Forms	600	l.m.		
i. Minor Tools				
			Equipment Total	
B. Labor:				
a. Construction Foreman				
b. Skilled Laborers				
			Skilled Sub-Total	
c. Laborers				
			Unskilled Sub-Total	
			Labor Total	
C. Materials				
a. Reinforcing Steel Bar	601	kgs.		
b. Curing Compound	447	lit.		
c. Asphalt Sealant	185	lit.		
d. Sand	169	cu.m.		
e. Gravel	308	cu.m.		
f. Cement	2926	bags		
g. Concrete Saw (diamond blade 14")	0.3	pc.		
h. Pipe Sleeve, 1 1/2" dia.	13	l.m.		
i. Grease/Tar	9	lit.		
j. Canvass Sheets	100	l.m.		
			Material Total	

D. DIRECT COST(A+B+C)			
E. OCM		DIRECT COST	_____
F. Contractor's Profit		DIRECT COST	_____
G. Tax		7% (DC+OCM+CP)	_____
H. INDIRECT COST(E+F+G)			_____
I. TOTAL ITEM COST(D+H)			_____
		Unit Cost/sq.m.	_____

PART D: SUBBASE AND BASE COURSE

ITEM NO.:	200(1)	UNIT:	CU.M.
DESCRIPTION:	AGGREGATE SUBBASE COURSE	QUANTITY:	366

	DESCRIPTION	QTY	DAYS	UNIT COST	AMOUNT
A.	Equipment Rental(To include fuel, oil, lubricants, and equipment maintenance)				
a.	Motorized Road Grader, G710A	1			
b.	Vibratory Roller (10 m.t.), SP56	1			
c.	Water Truck (1000 gal.)	1			
				Equipment Total	
B.	Labor:				
a.	Construction Foreman				
b.	Motorized Road Grader, G710A Operator				
c.	Vibratory Roller (10 m.t.), SP56 Operator				
d.	Water Truck (1000 gal.) Driver				
e.	Motorized Road Grader, G710A Helper				
f.	Vibratory Roller (10 m.t.), SP56 Helper				
g.	Water Truck (1000 gal.) Helper				
h.	Laborers				
				Skilled Sub-Total	
				Unskilled Sub-Total	
				Labor Total	
C.	Materials				
a.	Aggregate Subbase Course	403	cu.m.		
				Material Total	

D. DIRECT COST(A+B+C)			
E. OCM		DIRECT COST	_____
F. Contractor's Profit		DIRECT COST	_____
G. Tax		7% (DC+OCM+CP)	_____
H. INDIRECT COST(E+F+G)			_____
I. TOTAL ITEM COST(D+H)			_____
		Unit Cost/cu.m.	_____

PART C: EARTHWORKS

ITEM NO.:	105(1)	UNIT:	SQ.M.
DESCRIPTION:	SUBGRADE PREPARATION (COMMON MATERIAL)	QUANTITY:	1565.7

DESCRIPTION	QTY	DAYS	UNIT COST	AMOUNT
A. Equipment Rental(To include fuel, oil, lubricants, and equipment maintenance)				
a. Motorized Road Grader, G710A	1			
b. Vibratory Roller (10 m.t.), SP56	1			
c. Water Truck (1000 gal.)	1			
			Equipment Total	
B. Labor:				
a. Construction Foreman				
b. Motorized Road Grader, G710A Operator				
c. Vibratory Roller (10 m.t.), SP56 Operator				
d. Water Truck (1000 gal.) Driver				
e. Motorized Road Grader, G710A Helper				
f. Vibratory Roller (10 m.t.), SP56 Helper				
g. Water Truck (1000 gal.) Helper				
h. Laborers				
			Skilled Sub-Total	
			Unskilled Sub-Total	
			Labor Total	
C. Materials				
a. None				
			Material Total	

D. DIRECT COST(A+B+C)			_____
E. OCM		DIRECT COST	_____
F. Contractor's Profit		DIRECT COST	_____
G. Tax		7% (DC+OCM+CP)	_____
H. INDIRECT COST(E+F+G)			_____
I. TOTAL ITEM COST(D+H)			_____
		Unit Cost/sq.m.	_____

PART C: EARTHWORKS

ITEM NO.:	103(1)a	UNIT:	CU.M.
DESCRIPTION:	STRUCTURE EXCAVATION	QUANTITY:	448.80

	DESCRIPTION	QTY	DAYS	UNIT COST	AMOUNT
A.	Equipment Rental(To include fuel, oil, lubricants, and equipment maintenance)				
	a. Dump Truck (10 cu.m.)				
	b. Backhoe (0.80 cu.m.)				
	c. Minor Tools				
				Equipment Total	
B.	Labor				
	a. Construction Foreman				
	b. Dump Truck (10 cu.m.) Driver				
	c. Backhoe (0.80 cu.m.) Operator				
				Skilled Sub-Total	
	d. Dump Truck (10 cu.m.) Helper				
	e. Backhoe (0.80 cu.m.) Helper				
	f. Laborers				
				Unskilled Sub-Total	
				Labor Total	
C.	Materials				
	a. None				
				Material Total	

D.	DIRECT COST(A+B+C)				_____
E.	OCM		DIRECT COST		_____
F.	Contractor's Profit		DIRECT COST		_____
G.	Tax		7% (DC+OCM+CP)		_____
H.	INDIRECT COST(E+F+G)				_____
I.	TOTAL ITEM COST(D+H)				_____
				Unit Cost/cu.m.	_____

PART C: EARTHWORKS

ITEM NO.:	101	UNIT:	SQ.M.
DESCRIPTION:	REMOVAL OF ACTUAL STRUCTURES/ OBSTRUCTION	QUANTITY:	625.00

DESCRIPTION	QTY	DAYS	UNIT COST	AMOUNT
A. Equipment Rental(To include fuel, oil, lubricants, and equipment maintenance)				
a. Backhoe (0.80 m3/1.04 yd3)				
b. Dump Truck (10 cu.m.)				
c. Minor Tools				
*Disposal Area (within three 3 km.)				
			Equipment Total	
B. Labor				
a. Construction Foreman				
b. Backhoe (0.80 m3/1.04 yd3) Operator				
c. Dump Truck (10 cu.m.) Driver				
d. Backhoe (0.80 m3/1.04 yd3) Helper				
e. Dump Truck (10 cu.m.) Helper				
f. Laborers				
			Skilled Sub-Total	
			Unskilled Sub-Total	
			Labor Total	
C. Materials				
a. None				
			Material Total	

D. DIRECT COST(A+B+C)			_____
E. OCM		DIRECT COST	_____
F. Contractor's Profit		DIRECT COST	_____
G. Tax		7% (DC+OCM+CP)	_____
H. INDIRECT COST(E+F+G)			_____
I. TOTAL ITEM COST(D+H)			_____
		Unit Cost/sq.m.	_____

PART B: OTHER GENERAL REQUIREMENTS

ITEM NO.:	B.9	UNIT:	LUMP SUM
DESCRIPTION:	MOBILIZATION / DEMOBILIZATION	QUANTITY:	1.00

	DESCRIPTION	QTY	DAYS	UNIT COST	AMOUNT
A.	Equipment Rental: (To include fuel, oil, lubricants, and equipment maintenance)				
a.	Backhoe (0.80 m3/1.04 yd3)	1			
b.	Motorized Road Grader, G710A	1			
c.	Vibratory Roller (10 m.t.), SP56	1			
				Equipment Total	
B.	Labor				
a.	Backhoe (0.80 m3/1.04 yd3) Driverr	1			
b.	Motorized Road Grader, G710A Operator	1			
c.	Vibratory Roller (10 m.t.), SP56 Operator	1			
				Skilled Sub Total	
d.	Backhoe (0.80 m3/1.04 yd3) Helper	1			
e.	Motorized Road Grader, G710A Helper	1			
f.	Vibratory Roller (10 m.t.), SP56 Helper	1			
				Unskilled Sub Total	
				Labor Total	
C.	Materials				
a.	None				
				Material Total	

- | | | | |
|--------------------------|----------------|--------------------|-------|
| D. DIRECT COST(A+B+C) | | | |
| E. OCM | 0% DIRECT COST | | _____ |
| F. Contractor's Profit | 0% DIRECT COST | | _____ |
| G. Tax | 7% (DC+OCM+CP) | | _____ |
| H. INDIRECT COST (E+F+G) | | | _____ |
| I. TOTAL ITEM COST(D+H) | | | _____ |
| | | Unit Cost/lump sum | _____ |

PART B: OTHER GENERAL REQUIREMENTS

ITEM NO.:	B.7	UNIT:	LUMP SUM
DESCRIPTION:	OCCUPATIONAL SAFETY AND HEALTH PROGRAM	QUANTITY:	1.0

DESCRIPTION	QTY	DAYS	UNIT COST	AMOUNT
A. Equipment Rental: (To include fuel, oil, lubricants, and equipment maintenance)				
a. None				
			Equipment Total	
B. Labor				
a. Safety Officer				
			Skilled Sub Total	
b. None				
			Unskilled Sub Total	
			Labor Total	
C. Materials				
a. Safety First (2' x 3')	3	sets		
b. Warning Signs (2' x 3')	3	sets		
c. Caution Tape, 100ft	1	roll		
			Material Total	

D.	DIRECT COST(A+B+C)	_____	_____	_____
E.	OCM	0% DIRECT COST	_____	_____
F.	Contractor's Profit	DIRECT COST	_____	_____
G.	Tax	7% (DC+OCM+CP)	_____	_____
H.	INDIRECT COST (E+F+G)	_____	_____	_____
I.	TOTAL ITEM COST(D+H)	_____	_____	_____
			Unit Cost/lump sum	_____

PART B: OTHER GENERAL REQUIREMENTS

ITEM NO.:	B.5	UNIT:	EACH
DESCRIPTION:	PROJECT BILLBOARD / SIGNBOARD	QUANTITY:	1.00

	DESCRIPTION	QTY	DAYS	UNIT COST	AMOUNT
A.	Equipment Rental: (To include fuel, oil, lubricants, and equipment maintenance)				
a.	Minor Tools				
				Equipment Total	
B.	Labor				
a.	Skilled Laborer				
				Skilled Sub Total	
b.	Laborers				
				Unskilled Sub Total	
				Labor Total	
C.	Materials				
a.	Printed Billboard Tarpaulin	64	sq.ft.		
b.	1/4"x1.2mx2.44m Ordinary Plywood	2	pcs.		
c.	Good Lumber (Frames)	35	bd.ft.		
d.	Assorted CWNs	1	kg.		
				Material Total	

D.	DIRECT COST(A+B+C)				
E.	OCM		DIRECT COST		
F.	Contractor's Profit		DIRECT COST		
G.	Tax		7% (DC+OCM+CP)		
H.	INDIRECT COST (E+F+G)				
I.	TOTAL ITEM COST(D+H)				
				Unit Cost/each	