

CLASS "C" COST ESTIMATE FOR A TYPICAL SEWER PROJECT

Assumptions:	9000 ft of 8 inch VCP Depth of 10 ft Reconnect 300 HC's	Replace 10 Y's Remodel 40 MH bases Start Cons 5/2009 - 12 months cons.
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ITEM	Unit Cost	Comment	Calculation	Cost, \$
1. Remove asphalt	\$0.53/sf-inch		0.53(4")(4x9000)	76,320
2. Cons 8 in VCP	\$124/lf		(124)(9000)	1,116,000
3. Shoring	\$12.50/lf		(12.50)(9000)	112,500
4. Reconnect HC's	\$113/ea		(113)(300)	33,900
5. Replace Y's	\$315/ea		(315)(10)	3,150
6. Rebuild MH	\$8467/ea		(8467)(40)	338,680
7. Resurfacing	\$63/ton	Note a.	(900 tons)(63)	56,700
Subtotal				1,737,250

8. Mobilization	5% of Subtotal	2 - 7% range	(0.05)(1,737,250)	86,863
9. Traffic Control	\$600/day	assume 120 days	(120)(600)	72,000
10. Sewage Bypass	\$1050/day	assume 90 days	(1050)(90)	94,500
11. Field Office	\$5000 assumed			5,000
12. Allowance	Comm. Mitigation	assumed		50,000
13. Allowance	Inspection Travel	assumed		10,000
Subtotal				2,055,613

14. O/H and Profit	included in unit costs			0
Subtotal				2,055,613

15. Est. Contingency	20%	GEP		411,123
Subtotal				2,466,735

16. Escalation	5%/yr	2.5 yrs	(1.05)^2.5 (subtotal)	320,000
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(This is the CE or Class A est = as-bid amount)

TOTAL CONS COST	2,786,735
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17. Budget Contingency	10%	change orders		278,674
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(The budget in the BPW awarding Board Report)

TOTAL CONS BUDGET	3,065,409
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18. Project Delivery				
a. Design	13.50%	template	(0.135)(TOT CONS BUD)	413,830
b. BOE CM	7.50%	template	(.075)(TOT CONS BUD)	229,906
c. ConAd Inspection	7%	template	(.070)(TOT CONS BUD)	214,579
d. Others		BOS/DOT		0
(Delivery cost for BOE, BCA, and others)				DELIVERY COST
				858,315

(The WW Program stops here)

TOTAL PROJ BUDGET	3,923,724
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19. Project Contingency	10%	optional	0.10(PROJ SUBTOT)	392,372
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(Bond programs may need more contingency)

TOTAL PROJ BUDGET	4,316,096
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a. Note: 900 tons calc'd as 48 inch wide by 4 inch deep for 9000 ft at 150 lb/cu ft