

Cost Opinion for the East Declez Basin - Alternative 2b

Description	Quantity	Unit	Unit Cost	Total Cost	
				Full Excavation and Hauling Cost	10-Percent Excavation and Hauling Cost
Direct Construction Costs					
1 <u>Mobilization @ 5% Other Direct Construction Cost</u>	1	Job	Lump Sum	\$1,454,000	\$1,454,000
2 <u>Spreading Basin Excavation</u>					
Excavate & Haul Offsite	1,030,000	Cu. Yds.	\$18	\$18,715,100	\$1,871,510
3 <u>Diversion from Declez Channel and Basin Inlet Structure</u>					
Drop Inlet Structure	80	Cu. Yds.	\$1,200	\$96,000	\$96,000
Sluice Gate for 54" Pipe	54	in.-dia.	\$595	\$32,130	\$32,130
54" RCP to Basin	2,700	Lin. Ft.	\$515	\$1,390,500	\$1,390,500
Excavation	25,000	Cu. Yds.	\$5.60	\$140,121	\$140,121
Replace Compacted Fill	24,000	Cu. Yds.	\$17	\$403,548	\$403,548
Basin Inlet Structure	350	Cu. Yds.	\$1,345	\$470,806	\$470,806
4 <u>Basin Spillway Structure and Outlet to Declez Basin</u>					
Concrete Spillway Structure (Accommodating up to 150 cfs)	150	Cu. Yds.	\$1,345	\$201,750	\$201,750
Excavation for Outlet Pipe	450	Cu. Yds.	\$5.60	\$2,522	\$2,522
Replace Compacted Fill	225	Cu. Yds.	\$16.81	\$3,783	\$3,783
60" Dia. RCP Outlet	200	Lin. Ft.	\$673	\$134,600	\$134,600
Gates and Controls	1	Job	\$50,000	\$50,000	\$50,000
5 <u>Land Acquisition Cost</u>					
Land Costs	85	\$/acre	\$35,300	\$3,000,500	\$3,000,500
6 <u>Rubber Dam for San Sevaine Channel Diversion to Jurupa</u>					
Rubber Dam Capturing up to 100 cfs	1	Job	\$100,000	\$100,000	\$100,000
7 <u>Pump expansion to 100 cfs</u>					
60 cfs pump capacity increase	600	\$/HP	\$5,000	\$3,000,000	\$3,000,000
8 <u>Conveyance to Declez Channel</u>					
42" Diameter CMLC to existing storm drain	2,800	Lin. Ft.	\$480	\$1,344,000	\$1,344,000
Subtotal Direct Construction Costs				\$30,540,000	\$13,700,000
<u>Contingency > \$2 million@ 10%</u>	1	LS	10%	<u>\$3,054,000</u>	<u>\$3,054,000</u>
<u>Construction Management > \$2 million@ 10%</u>	1	LS	10%	<u>\$3,054,000</u>	<u>\$3,054,000</u>
Total Construction Cost				\$36,648,000	\$19,808,000
<u>Engineering and Admin > \$2 million@ 10%</u>	1	LS	10%	<u>\$3,665,000</u>	<u>\$3,665,000</u>
Total Engineering and Administration				\$3,665,000	\$3,665,000
Total Estimated Project Cost				\$40,310,000	\$23,470,000
Annual Cost - 30 Years @ 5% Interest				\$2,622,400	\$1,527,000
CBWMs Share of Annual Project Cost			100%	\$2,622,400	\$1,527,000
<u>Annual Operations and Maintenance</u>	913	AF	\$37	\$33,781	\$33,781
<u>Annual Energy Cost</u>	14,880	kW-hr	\$0.15	\$2,232	\$2,232
Total Operational Costs				\$36,013	\$36,013
Total CBWMs Share of Annual Cost				\$2,658,413	\$1,563,013
Total CBWMs Share of Annual Unit Cost				\$2,912	\$1,712