

El Dorado County - Transportation Division

Estimate Date: July 2013

COST COMPARISON - Public bid contract vs County force account

FOTR Culvert Installation - Rubicon Trail

Preliminary Estimate - Public bid construction contract method				ENGINEERS ESTIMATE		
Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
1		Construction Site Management	LS	1	\$15,000.00	\$15,000.00
2		Water Pollution Control	LS	1	\$2,000.00	\$2,000.00
3		Prepare Fugitive Dust Plan	LS	1	\$2,000.00	\$2,000.00
4		Earthwork	CY	74	\$500.00	\$36,750.00
5		Furnish and Install Multi-Plate Arch Pipe	LS	1	\$10,800.00	\$10,800.00
6		Rock Riprap Foundation	CY	19	\$160.00	\$2,992.00
7		Rock Slope Protection (light)	CY	27	\$160.00	\$4,278.52
8		Rock Slope Protection Fabric	SF	722	\$10.00	\$7,220.00
9		Road Base	CY	20	\$100.00	\$2,000.00
10		Mobilization	LS	1	\$20,000.00	\$20,000.00
					TOTAL	\$ 103,041
CONTINGENCY - Change Orders etc. (15%)						\$ 15,456
SUPPLEMENTAL:						
Dust Control - (2%), Storm Water - (1.5%), Flagging - (2.5%)						\$ 6,182
CONSTRUCTION TOTAL=					\$	124,679
CONSTRUCTION ADMINISTRATION - (15%)						\$ 15,456
PA/ED & PS&E - (20%)						\$ 24,936
TOTAL CONSTRUCTION COST BY PUBLIC BID CONTRACT METHOD =					\$	165,071
Preliminary Estimate - Force account method						
PA/ED+PS&E						
FORCE ACCOUNT LABOR AND MATERIALS					CONSTRUCTION TOTAL=	\$ 76,600
CONSTRUCTION ADMINISTRATION						\$ 3,400
TOTAL ESTIMATED COST OF PROPOSED FORCE ACCOUNT AUTHORIZATION =					\$	80,000
SAVING BY FORCE ACCOUNT METHOD					\$	85,071
PERCENTAGE DIFFERENCE						106%