

**COST COMPARISON - Public bid contract vs County force account**

**Asphalt Concrete Overlay Project - Francisco Drive (Cambria to El Dorado Hills Blvd)**

Preliminary Estimate - Public bid construction contract method							ENGINEERS ESTIMATE			TOTAL	
2' Shoulder Backing/ 1' Shoulder/ 12' Lane / 12' Lane/ 1' Shoulder/ 2' Shoulder Backing							Adding 2-5' Shoulder				
Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total	Estimated Quantity	Unit Price	Item Total		
1	128650	Portable Changeable Message Sign	SWD	82	\$80.00	\$6,560.00	4	\$80.00	\$320.00	\$6,880.00	
2	153103	Cold Plane Asphalt Concrete	SF	4,320	\$4.00	\$17,280.00	0	\$4.00	\$0.00	\$17,280.00	
3	190185	Shoulder Backing	CY	74	\$100.00	\$7,407.41	0	\$100.00	\$0.00	\$7,407.41	
4	390095	Replace AC Surfacing	CY	322	\$250.00	\$80,391.13	0	\$250.00	\$0.00	\$80,391.13	
5	390132	Hot Mix Asphalt (Type A)	TON	978	\$85.00	\$83,107.05	300	\$135.00	\$40,500.00	\$123,607.05	
6	840653A	Paint Traffic Stripe (4" Double Yellow Centerline)	LF	2,000	\$0.75	\$1,500.00	0	\$0.75	\$0.00	\$1,500.00	
7	840653B	Paint Traffic Stripe (4" White Edgeline)	LF	4,000	\$0.50	\$2,000.00	0	\$0.50	\$0.00	\$2,000.00	
8	840660	Paint Pavement Marking	SF	312	\$4.00	\$1,248.00	0	\$4.00	\$0.00	\$1,248.00	
9	850111	Pavement Marker - Retroreflective (Type D)	EA	800	\$3.00	\$2,400.00	0	\$3.00	\$0.00	\$2,400.00	
10	260200A	Aggregate Base for Shoulder	CY	0	\$40.00	\$0.00	186	\$40.00	\$7,440.00	\$7,440.00	
						<b>TOTAL</b>		<b>\$</b>	<b>201,894</b>	<b>\$</b>	<b>250,154</b>
CONTINGENCY: Change Orders etc. (15%)								\$	30,284		\$ 37,523
SUPPLEMENTAL: Dust Control - (2%), Storm Water - (1.5%), Flagging - (2.5%)								\$	12,114		\$ 15,009
<b>PUBLIC BID CONTRACT</b>								\$	<b>244,291</b>		<b>\$ 302,686</b>
CONSTRUCTION ADMINISTRATION - (15%)								\$	30,284		\$ 37,523
PA/ED & PS&E - (20%)								\$	48,858		\$ 50,058
<b>TOTAL COST BY USING PUBLIC BID CONTRACT METHOD =</b>								<b>\$</b>	<b>323,434</b>		<b>\$ 390,267</b>
<b>Preliminary Estimate - Force account method</b>											
<b>FORCE ACCOUNT LABOR AND MATERIALS</b>								\$	<b>225,000</b>		<b>\$ 275,000</b>
CONSTRUCTION ADMINISTRATION								\$	20,000		\$ 20,000
PA/ED & PS&E -								\$	15,000		\$ 15,000
<b>TOTAL COST BY FORCE ACCOUNT METHOD =</b>								<b>\$</b>	<b>260,000</b>		<b>\$ 310,000</b>
<b>DIFFERENCE BTW PUBLIC BID CONTRACT AND FORCE ACCOUNT</b>								<b>\$</b>	<b>19,291</b>		<b>\$ 27,686</b>
<b>PERCENTAGE DIFFERENCE</b>									<b>9%</b>		<b>10%</b>