

**El Dorado County - Transportation Division**

Estimate Date: May 2013

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

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

<b>Preliminary Estimate - Public bid construction contract method</b>				<b>ENGINEERS ESTIMATE</b>		
Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
1	128650	Portable Changeable Message Sign	SWD	82	\$80.00	\$6,560.00
2	153103	Cold Plane Asphalt Concrete	SF	4,320	\$4.00	\$17,280.00
3	190185	Shoulder Backing	CY	74	\$100.00	\$7,407.41
4	390095	Replace AC Surfacing	CY	322	\$250.00	\$80,391.13
5	390132	Hot Mix Asphalt (Type A)	TON	978	\$85.00	\$83,107.05
6	840653A	Paint Traffic Stripe (4" Double Yellow Centerline)	LF	2,000	\$0.75	\$1,500.00
7	840653B	Paint Traffic Stripe (4" White Edgeline)	LF	4,000	\$0.50	\$2,000.00
8	840660	Paint Pavement Marking	SF	312	\$4.00	\$1,248.00
9	850111	Pavement Marker - Retroreflective (Type D)	EA	800	\$3.00	\$2,400.00
					<b>TOTAL</b>	<b>\$ 201,894</b>
<b>CONTINGENCY - Change Orders etc. (15%)</b>						<b>\$ 30,284</b>
<b>SUPPLEMENTAL:</b>						
Dust Control - (2%), Storm Water - (1.5%), Flagging - (2.5%)						<b>\$ 12,114</b>
					<b>CONSTRUCTION TOTAL=</b>	<b>\$ 244,291</b>
<b>CONSTRUCTION ADMINISTRATION - (15%)</b>						<b>\$ 30,284</b>
<b>PA/ED &amp; PS&amp;E - (20%)</b>						<b>\$ 48,858</b>
<b>TOTAL CONSTRUCTION COST BY PUBLIC BID CONTRACT METHOD =</b>						<b>\$ 323,434</b>
<b>Preliminary Estimate - Force account method</b>						
<b>PA/ED+PS&amp;E</b>						<b>\$ 15,000</b>
<b>FORCE ACCOUNT LABOR AND MATERIALS</b>						<b>\$ 225,000</b>
<b>CONSTRUCTION ADMINISTRATION</b>						<b>\$ 20,000</b>
<b>TOTAL ESTIMATED COST OF PROPOSED FORCE ACCOUNT AUTHORIZATION =</b>						<b>\$ 260,000</b>
<b>SAVING BY FORCE ACCOUNT METHOD</b>						<b>\$ 63,434</b>
<b>PERCENTAGE DIFFERENCE</b>						<b>24%</b>

State of California - Department of Transportation

CONTRACT ITEM COST DATA

ITEM CODE	ITEM DESCRIPTION	UNIT	DIST	NO. OF PROJ	QUANTITY	AVE PRICE PER UNIT	TOTAL AMOUNT
		<b>Unit Sub Total</b>	EA	2	3.00	\$1,400.00	\$4,200.00
	<b>Item Code 152610</b>			<b>Total No. of Proj.</b>	2	<b>Total Amount</b>	\$4,200.00
152641	MODIFY SIGN STRUCTURE	EA	11	1	2.00	\$4,000.00	\$8,000.00
		<b>Unit Sub Total</b>	EA	1	2.00	\$4,000.00	\$8,000.00
	<b>Item Code 152641</b>			<b>Total No. of Proj.</b>	1	<b>Total Amount</b>	\$8,000.00
152650	MODIFY CHAIN LINK FENCE	LF	3	1	66.00	\$20.00	\$1,320.00
		<b>Unit Sub Total</b>	LF	1	66.00	\$20.00	\$1,320.00
	<b>Item Code 152650</b>			<b>Total No. of Proj.</b>	1	<b>Total Amount</b>	\$1,320.00
152659	PLASTIC PIPE LINER	LF	4	1	140.00	\$38.11	\$5,335.40
		<b>Unit Sub Total</b>	LF	1	140.00	\$38.11	\$5,335.40
	<b>Item Code 152659</b>			<b>Total No. of Proj.</b>	1	<b>Total Amount</b>	\$5,335.40
152750	REPLACE SIGN PANEL	EA	4	1	1.00	\$1,500.00	\$1,500.00
		<b>Unit Sub Total</b>	EA	1	1.00	\$1,500.00	\$1,500.00
	<b>Item Code 152750</b>			<b>Total No. of Proj.</b>	1	<b>Total Amount</b>	\$1,500.00
153103	COLD PLANE ASPHALT CONCRETE PAVEMENT	M2	4	1	1,330.00	\$15.00	\$19,950.00
		M2	5	1	44,200.00	\$2.50	\$110,500.00
		M2	7	4	39,100.00	\$2.44	\$95,435.00
		M2	8	1	2,200.00	\$5.00	\$11,000.00
		M2	10	2	7,620.00	\$3.62	\$27,590.00
		M2	11	2	11,560.00	\$4.53	\$52,376.00
		<b>Unit Sub Total</b>	M2	11	106,010.00	\$2.99	\$316,851.00
153103	COLD PLANE ASPHALT CONCRETE PAVEMENT	SQFT	3	1	150.00	\$5.00	\$750.00
		SQFT	11	1	2,900.00	\$1.00	\$2,900.00
		<b>Unit Sub Total</b>	SQFT	2	3,050.00	\$1.20	\$3,650.00
153103	COLD PLANE ASPHALT CONCRETE PAVEMENT	SQYD	1	26	329,123.00	\$2.55	\$839,429.60
		SQYD	2	29	1,503,110.00	\$2.64	\$3,966,216.14
		SQYD	3	44	3,562,650.00	\$1.33	\$4,730,360.00
		SQYD	4	39	2,700,756.00	\$1.98	\$5,336,078.50
		SQYD	5	19	1,822,370.00	\$1.23	\$2,240,731.40



2011

CONTRACT ITEM COST DATA

ITEM CODE	ITEM DESCRIPTION	UNIT	DIST	NO. OF PROJ	QUANTITY	AVE PRICE PER UNIT	TOTAL AMOUNT
190116	DUST CONTROL PLAN (NATURALLY OCCURRING ASBESTOS)	LS	3	7	7.00	\$1,336.43	\$9,355.00
		LS	10	2	2.00	\$975.00	\$1,950.00
<b>Unit Sub Total</b>		LS		13	13.00	\$1,392.69	\$18,105.00
<b>Item Code 190116</b>	<b>Total No. of Proj.</b>			13		<b>Total Amount</b>	<b>\$18,105.00</b>
190117	SAMPLING AND ANALYSIS PLAN (NATURALLY OCCURRING ASBESTOS)	LS	3	1	1.00	\$1,580.00	\$1,580.00
		<b>Unit Sub Total</b>		LS		1	1.00
<b>Item Code 190117</b>	<b>Total No. of Proj.</b>			1		<b>Total Amount</b>	<b>\$1,580.00</b>
190138	ROADWAY EXCAVATION (DETOUR REMOVAL)	M3	8	1	1,270.00	\$8.40	\$10,668.00
		<b>Unit Sub Total</b>		M3		1	1,270.00
<b>Item Code 190138</b>	<b>Total No. of Proj.</b>			1		<b>Total Amount</b>	<b>\$10,668.00</b>
190160	ROCK EXCAVATION (CONTROLLED BLASTING)	CY	3	1	8.00	\$1,580.00	\$12,640.00
		CY	10	1	518,000.00	\$8.75	\$4,532,500.00
<b>Unit Sub Total</b>		CY		2	518,008.00	\$8.77	\$4,545,140.00
<b>Item Code 190160</b>	<b>Total No. of Proj.</b>			2		<b>Total Amount</b>	<b>\$4,545,140.00</b>
190162	STRIPPING EXCAVATION	CY	1	1	230.00	\$95.00	\$21,850.00
		<b>Unit Sub Total</b>		CY		1	230.00
<b>Item Code 190162</b>	<b>Total No. of Proj.</b>			1		<b>Total Amount</b>	<b>\$21,850.00</b>
190185	SHOULDER BACKING	CY	1	1	42.00	\$104.00	\$4,368.00
		<b>Unit Sub Total</b>		CY		1	42.00
<b>Item Code 190185</b>	<b>Total No. of Proj.</b>			1		<b>Total Amount</b>	<b>\$4,368.00</b>
192001	STRUCTURE EXCAVATION	CY	4	1	770.00	\$40.00	\$30,800.00
		CY	8	2	948.00	\$56.68	\$53,736.00
<b>Unit Sub Total</b>		CY		3	1,718.00	\$49.21	\$84,536.00
<b>Item Code 192001</b>	<b>Total No. of Proj.</b>			3		<b>Total Amount</b>	<b>\$84,536.00</b>
192003	STRUCTURE EXCAVATION (BRIDGE)	CF	3	1	768.00	\$6.00	\$4,608.00

## CONTRACT ITEM COST DATA

2010

ITEM CODE	ITEM DESCRIPTION	UNIT	DIST	NO. OF PROJ	QUANTITY	AVE PRICE PER UNIT	TOTAL AMOUNT
<b>Item Code 190116</b>		<b>Total No. of Proj.</b>		<b>15</b>	<b>Total Amount</b>		<b>\$25,175.00</b>
190117	SAMPLING AND ANALYSIS PLAN (NATURALLY OCCURRING ASBESTOS)	LS	1	2	2.00	\$6,900.00	\$13,800.00
<b>Unit Sub Total</b>		<b>LS</b>		<b>2</b>	<b>2.00</b>	<b>\$6,900.00</b>	<b>\$13,800.00</b>
<b>Item Code 190117</b>		<b>Total No. of Proj.</b>		<b>2</b>	<b>Total Amount</b>		<b>\$13,800.00</b>
190160	ROCK EXCAVATION (CONTROLLED BLASTING)	CY	10	1	9,620.00	\$125.00	\$1,202,500.00
<b>Unit Sub Total</b>		<b>CY</b>		<b>1</b>	<b>9,620.00</b>	<b>\$125.00</b>	<b>\$1,202,500.00</b>
190160	ROCK EXCAVATION (CONTROLLED BLASTING)	M3	2	1	21,000.00	\$20.00	\$420,000.00
<b>Unit Sub Total</b>		<b>M3</b>		<b>1</b>	<b>21,000.00</b>	<b>\$20.00</b>	<b>\$420,000.00</b>
<b>Item Code 190160</b>		<b>Total No. of Proj.</b>		<b>2</b>	<b>Total Amount</b>		<b>\$1,622,500.00</b>
190161	ROCK EXCAVATION	CY	2	2	111,100.00	\$14.03	\$1,558,300.00
		CY	4	1	22.00	\$250.00	\$5,500.00
<b>Unit Sub Total</b>		<b>CY</b>		<b>3</b>	<b>111,122.00</b>	<b>\$14.07</b>	<b>\$1,563,800.00</b>
190161	ROCK EXCAVATION	M3	4	1	70.00	\$350.00	\$24,500.00
<b>Unit Sub Total</b>		<b>M3</b>		<b>1</b>	<b>70.00</b>	<b>\$350.00</b>	<b>\$24,500.00</b>
<b>Item Code 190161</b>		<b>Total No. of Proj.</b>		<b>4</b>	<b>Total Amount</b>		<b>\$1,588,300.00</b>
190162	STRIPPING EXCAVATION	M3	2	1	77.00	\$200.00	\$15,400.00
<b>Unit Sub Total</b>		<b>M3</b>		<b>1</b>	<b>77.00</b>	<b>\$200.00</b>	<b>\$15,400.00</b>
<b>Item Code 190162</b>		<b>Total No. of Proj.</b>		<b>1</b>	<b>Total Amount</b>		<b>\$15,400.00</b>
190167	REMOVE UNSUITABLE MATERIAL	CY	7	1	102.00	\$50.00	\$5,100.00
<b>Unit Sub Total</b>		<b>CY</b>		<b>1</b>	<b>102.00</b>	<b>\$50.00</b>	<b>\$5,100.00</b>
<b>Item Code 190167</b>		<b>Total No. of Proj.</b>		<b>1</b>	<b>Total Amount</b>		<b>\$5,100.00</b>
190170	DRILL HOLE (PRESPLITTING)	LF	2	1	15,000.00	\$7.20	\$108,000.00
		LF	10	1	48,400.00	\$7.00	\$338,800.00
<b>Unit Sub Total</b>		<b>LF</b>		<b>2</b>	<b>63,400.00</b>	<b>\$7.05</b>	<b>\$446,800.00</b>
<b>Item Code 190170</b>		<b>Total No. of Proj.</b>		<b>2</b>	<b>Total Amount</b>		<b>\$446,800.00</b>
190185	SHOULDER BACKING	TON	3	1	60.00	\$48.00	\$2,880.00

2016

## CONTRACT ITEM COST DATA

ITEM CODE	ITEM DESCRIPTION	UNIT	DIST	NO. OF PROJ	QUANTITY	AVE PRICE PER UNIT	TOTAL AMOUNT
190185	SHOULDER BACKING	TON	4	1	28.00	\$125.00	\$3,500.00
		TON	6	1	2,170.00	\$25.00	\$54,250.00
	<b>Unit Sub Total</b>	TON		3	2,258.00	\$26.85	\$60,630.00
<b>Item Code 190185</b>	<b>Total No. of Proj.</b>			3		<b>Total Amount</b>	<b>\$60,630.00</b>
192001	STRUCTURE EXCAVATION	CY	4	1	330.00	\$50.00	\$16,500.00
		CY	9	1	46.00	\$40.00	\$1,840.00
	<b>Unit Sub Total</b>	CY		2	376.00	\$48.78	\$18,340.00
192001	STRUCTURE EXCAVATION	M3	3	1	410.00	\$1.00	\$410.00
		M3	7	2	2,063.00	\$15.54	\$32,060.00
	<b>Unit Sub Total</b>	M3		3	2,473.00	\$13.13	\$32,470.00
<b>Item Code 192001</b>	<b>Total No. of Proj.</b>			5		<b>Total Amount</b>	<b>\$50,810.00</b>
192003	STRUCTURE EXCAVATION (BRIDGE)	CY	1	1	69.00	\$380.00	\$26,220.00
		CY	2	3	3,167.00	\$108.74	\$344,390.00
		CY	3	2	918.00	\$95.42	\$87,592.00
		CY	4	4	3,805.00	\$34.94	\$132,940.00
		CY	5	2	2,018.00	\$42.72	\$86,200.00
		CY	6	3	2,087.00	\$47.92	\$100,015.00
		CY	9	1	75.00	\$100.00	\$7,500.00
		CY	11	3	608.00	\$63.48	\$38,595.00
		CY	12	6	50,127.00	\$38.84	\$1,947,031.00
	<b>Unit Sub Total</b>	CY		25	62,874.00	\$44.06	\$2,770,483.00
192003	STRUCTURE EXCAVATION (BRIDGE)	M3	2	1	695.00	\$50.00	\$34,750.00
		M3	4	3	20,770.00	\$110.67	\$2,298,650.00
		M3	7	5	6,757.00	\$60.54	\$409,100.00
		M3	10	1	930.00	\$35.00	\$32,550.00
		M3	11	2	710.00	\$56.20	\$39,900.00
	<b>Unit Sub Total</b>	M3		12	29,862.00	\$94.27	\$2,814,950.00
<b>Item Code 192003</b>	<b>Total No. of Proj.</b>			37		<b>Total Amount</b>	<b>\$5,585,433.00</b>
192008	STRUCTURE EXCAVATION (TYPE A)	CY	12	1	420.00	\$55.00	\$23,100.00
	<b>Unit Sub Total</b>	CY		1	420.00	\$55.00	\$23,100.00



State of California - Department of Transportation

CONTRACT ITEM COST DATA

ITEM CODE	ITEM DESCRIPTION	UNIT	DIST	NO. OF PROJ	QUANTITY	AVE PRICE PER UNIT	TOTAL AMOUNT
		<b>Unit Sub Total</b>	<b>TON</b>	<b>5</b>	<b>8,600.00</b>	<b>\$153.33</b>	<b>\$1,318,631.00</b>
		<b>Item Code 378000</b>	<b>Total No. of Proj.</b>	<b>5</b>		<b>Total Amount</b>	<b>\$1,318,631.00</b>
<b>390095</b>	REPLACE ASPHALT CONCRETE SURFACING	CY	1	8	10,160.00	\$268.57	\$2,728,678.20
		CY	2	11	18,720.00	\$190.19	\$3,560,330.00
		CY	3	23	53,638.00	\$171.47	\$9,197,190.00
		CY	4	13	11,347.00	\$219.73	\$2,493,306.45
		CY	5	2	980.00	\$263.08	\$257,820.00
		CY	6	5	12,721.00	\$147.12	\$1,871,462.00
		CY	7	4	3,063.00	\$183.16	\$561,030.00
		CY	8	8	34,840.00	\$195.13	\$6,798,210.00
		CY	10	1	3,410.00	\$180.00	\$613,800.00
		CY	11	3	1,558.00	\$287.73	\$448,289.00
		<b>Unit Sub Total</b>	<b>CY</b>	<b>78</b>	<b>150,437.00</b>	<b>\$189.65</b>	<b>\$28,530,115.65</b>
<b>390095</b>	REPLACE ASPHALT CONCRETE SURFACING	TON	3	1	40.00	\$250.00	\$10,000.00
		<b>Unit Sub Total</b>	<b>TON</b>	<b>1</b>	<b>40.00</b>	<b>\$250.00</b>	<b>\$10,000.00</b>
		<b>Item Code 390095</b>	<b>Total No. of Proj.</b>	<b>79</b>		<b>Total Amount</b>	<b>\$28,540,115.65</b>
<b>390126</b>	RUBBERIZED ASPHALT CONCRETE (TYPE G)	TON	12	1	70.00	\$198.00	\$13,860.00
		<b>Unit Sub Total</b>	<b>TON</b>	<b>1</b>	<b>70.00</b>	<b>\$198.00</b>	<b>\$13,860.00</b>
		<b>Item Code 390126</b>	<b>Total No. of Proj.</b>	<b>1</b>		<b>Total Amount</b>	<b>\$13,860.00</b>
<b>390129</b>	HOT MIX ASPHALT (TYPE C)	TON	7	1	15,100.00	\$64.20	\$969,420.00
		TON	8	6	130,120.00	\$81.84	\$10,648,900.00
		TON	11	2	13,890.00	\$98.67	\$1,370,460.00
		<b>Unit Sub Total</b>	<b>TON</b>	<b>9</b>	<b>159,110.00</b>	<b>\$81.63</b>	<b>\$12,988,780.00</b>
		<b>Item Code 390129</b>	<b>Total No. of Proj.</b>	<b>9</b>		<b>Total Amount</b>	<b>\$12,988,780.00</b>
<b>390130</b>	HOT MIX ASPHALT	TON	12	2	214.00	\$151.17	\$32,350.00
		<b>Unit Sub Total</b>	<b>TON</b>	<b>2</b>	<b>214.00</b>	<b>\$151.17</b>	<b>\$32,350.00</b>
		<b>Item Code 390130</b>	<b>Total No. of Proj.</b>	<b>2</b>		<b>Total Amount</b>	<b>\$32,350.00</b>
<b>390131</b>	HOT MIX ASPHALT	TON	1	3	119,200.00	\$88.86	\$10,592,300.00
		TON	2	13	561,250.00	\$79.74	\$44,752,900.00

CONTRACT ITEM COST DATA

ITEM CODE	ITEM DESCRIPTION	UNIT	DIST	NO. OF PROJ	QUANTITY	AVE PRICE PER UNIT	TOTAL AMOUNT
390131	HOT MIX ASPHALT	TON	3	8	455,600.00	\$62.16	\$28,322,280.00
		TON	4	7	217,900.00	\$76.53	\$16,675,680.00
		TON	5	2	40,100.00	\$77.84	\$3,121,400.00
		TON	6	7	743,200.00	\$61.62	\$45,794,420.00
		TON	7	1	18,100.00	\$85.00	\$1,538,500.00
		TON	8	6	137,300.00	\$94.21	\$12,934,750.00
		TON	9	2	35,200.00	\$99.32	\$3,496,000.00
		TON	10	5	165,900.00	\$71.23	\$11,817,185.00
		TON	11	2	30,800.00	\$70.00	\$2,156,000.00
		TON	12	2	123,100.00	\$67.10	\$8,260,150.00
<b>Unit Sub Total</b>		<b>TON</b>		<b>58</b>	<b>2,647,650.00</b>	<b>\$71.56</b>	<b>\$189,461,565.00</b>
390131	HOT MIX ASPHALT	TONN	5	1	155,000.00	\$77.00	\$11,935,000.00
		TONN	7	3	136,500.00	\$78.25	\$10,681,480.00
		TONN	8	1	29,700.00	\$69.00	\$2,049,300.00
		TONN	10	1	16,500.00	\$81.50	\$1,344,750.00
		TONN	11	1	24,900.00	\$90.00	\$2,241,000.00
<b>Unit Sub Total</b>		<b>TONN</b>		<b>7</b>	<b>362,600.00</b>	<b>\$77.91</b>	<b>\$28,251,530.00</b>
<b>Item Code 390131</b>		<b>Total No. of Proj.</b>		<b>65</b>	<b>Total Amount</b>		<b>\$217,713,095.00</b>
390132	HOT MIX ASPHALT (TYPE A)	TON	1	20	46,945.60	\$94.81	\$4,450,768.70
		TON	2	18	50,500.00	\$104.54	\$5,279,230.48
		TON	3	23	125,378.40	\$83.66	\$10,488,894.00
		TON	4	34	275,902.00	\$79.09	\$21,820,064.60
		TON	5	21	68,646.00	\$97.24	\$6,675,376.00
		TON	6	20	72,770.00	\$92.33	\$6,718,742.00
		TON	7	4	11,219.00	\$80.96	\$908,295.00
		TON	8	11	20,338.00	\$101.49	\$2,064,100.00
		TON	9	8	42,490.00	\$110.15	\$4,680,100.00
		TON	10	17	24,420.00	\$89.77	\$2,192,155.00
		TON	11	9	48,440.00	\$94.66	\$4,585,470.00
		TON	12	11	15,008.00	\$80.53	\$1,208,548.00
<b>Unit Sub Total</b>		<b>TON</b>		<b>196</b>	<b>802,057.00</b>	<b>\$88.61</b>	<b>\$71,071,743.78</b>
390132	HOT MIX ASPHALT (TYPE A)	TONN	4	1	5,380.00	\$90.00	\$484,200.00
		TONN	11	2	24,620.00	\$83.40	\$2,053,400.00

~~390132~~ N/A

State of California - Department of Transportation

CONTRACT ITEM COST DATA

ITEM CODE	ITEM DESCRIPTION	UNIT	DIST	NO. OF PROJ	QUANTITY	AVE PRICE PER UNIT	TOTAL AMOUNT
		<b>Unit Sub Total</b>	LF	7	529,100.00	\$2.22	\$1,176,920.00
		<b>Item Code 840581</b>	<b>Total No. of Proj.</b>		7	<b>Total Amount</b>	<b>\$1,176,920.00</b>
840582	4" TWO-COMPONENT PAINT TRAFFIC STRIPE	LF	2	7	1,256,680.00	\$0.75	\$944,066.00
		LF	3	10	699,510.00	\$0.43	\$300,148.20
		LF	11	1	36,300.00	\$0.78	\$28,314.00
		<b>Unit Sub Total</b>	LF	18	1,992,490.00	\$0.64	\$1,272,528.20
		<b>Item Code 840582</b>	<b>Total No. of Proj.</b>		18	<b>Total Amount</b>	<b>\$1,272,528.20</b>
840583	6" TWO-COMPONENT PAINT TRAFFIC STRIPE	LF	3	1	500.00	\$9.50	\$4,750.00
		LF	11	2	142,600.00	\$0.83	\$117,855.00
		<b>Unit Sub Total</b>	LF	3	143,100.00	\$0.86	\$122,605.00
		<b>Item Code 840583</b>	<b>Total No. of Proj.</b>		3	<b>Total Amount</b>	<b>\$122,605.00</b>
840584	8" TWO-COMPONENT PAINT TRAFFIC STRIPE	LF	2	5	32,750.00	\$1.99	\$65,144.50
		LF	3	1	250.00	\$3.00	\$750.00
		LF	11	1	1,180.00	\$3.00	\$3,540.00
		<b>Unit Sub Total</b>	LF	7	34,180.00	\$2.03	\$69,434.50
		<b>Item Code 840584</b>	<b>Total No. of Proj.</b>		7	<b>Total Amount</b>	<b>\$69,434.50</b>
840600	PAINTED TRAFFIC STRIPE	LF	7	1	2,910.00	\$0.40	\$1,164.00
		<b>Unit Sub Total</b>	LF	1	2,910.00	\$0.40	\$1,164.00
		<b>Item Code 840600</b>	<b>Total No. of Proj.</b>		1	<b>Total Amount</b>	<b>\$1,164.00</b>
840608	4" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 17-7)	LF	2	3	4,110.00	\$1.20	\$4,947.00
		LF	11	1	540.00	\$0.30	\$162.00
		<b>Unit Sub Total</b>	LF	4	4,650.00	\$1.10	\$5,109.00
		<b>Item Code 840608</b>	<b>Total No. of Proj.</b>		4	<b>Total Amount</b>	<b>\$5,109.00</b>
840653	PAINT TRAFFIC STRIPE	LF	1	1	2,850.00	\$2.00	\$5,700.00
		LF	4	1	20,600.00	\$0.50	\$10,300.00
		<b>Unit Sub Total</b>	LF	2	23,450.00	\$0.68	\$16,000.00



State of California - Department of Transportation

CONTRACT ITEM COST DATA

ITEM CODE	ITEM DESCRIPTION	UNIT	DIST	NO. OF PROJ	QUANTITY	AVE PRICE PER UNIT	TOTAL AMOUNT
<b>Item Code 840653</b>		<b>Total No. of Proj.</b>		<b>2</b>	<b>Total Amount</b>		<b>\$16,000.00</b>
840655	PAINT TRAFFIC STRIPE (1-COAT)	LF	1	1	1,270.00	\$0.13	\$165.10
		LF	11	7	158,680.00	\$0.15	\$23,326.00
		LF	12	2	95,300.00	\$0.08	\$7,862.00
<b>Unit Sub Total</b>		<b>LF</b>		<b>10</b>	<b>255,250.00</b>	<b>\$0.12</b>	<b>\$31,353.10</b>
<b>Item Code 840655</b>		<b>Total No. of Proj.</b>		<b>10</b>	<b>Total Amount</b>		<b>\$31,353.10</b>
840656	PAINT TRAFFIC STRIPE (2-COAT)	LF	1	1	820.00	\$3.00	\$2,460.00
		LF	2	1	423,000.00	\$0.25	\$105,750.00
		LF	4	2	119,380.00	\$0.32	\$37,766.80
		LF	5	1	22,100.00	\$0.20	\$4,420.00
		LF	6	6	1,625,880.00	\$0.28	\$460,912.00
		LF	7	10	1,983,160.00	\$0.18	\$349,948.40
		LF	9	13	1,662,910.00	\$0.15	\$252,035.60
		LF	10	2	1,052,500.00	\$0.22	\$227,190.00
		LF	11	11	3,111,420.00	\$0.12	\$369,198.00
		LF	12	11	1,512,100.00	\$0.14	\$214,819.00
<b>Unit Sub Total</b>		<b>LF</b>		<b>58</b>	<b>#####</b>	<b>\$0.18</b>	<b>\$2,024,499.80</b>
840656	PAINT TRAFFIC STRIPE (2-COAT)	M	4	1	590.00	\$3.00	\$1,770.00
		M	5	1	90,300.00	\$0.55	\$49,665.00
		M	7	1	8,590.00	\$0.75	\$6,442.50
		M	8	1	21,800.00	\$0.40	\$8,720.00
		M	11	2	109,000.00	\$0.87	\$95,260.00
<b>Unit Sub Total</b>		<b>M</b>		<b>6</b>	<b>230,280.00</b>	<b>\$0.70</b>	<b>\$161,857.50</b>
<b>Item Code 840656</b>		<b>Total No. of Proj.</b>		<b>64</b>	<b>Total Amount</b>		<b>\$2,186,357.30</b>
840660	PAINT PAVEMENT MARKING	SQFT	3	1	740.00	\$3.68	\$2,723.20
		SQFT	4	1	530.00	\$3.50	\$1,855.00
		SQFT	7	1	830.00	\$2.30	\$1,909.00
		SQFT	10	1	5,520.00	\$3.00	\$16,560.00
		SQFT	11	1	150.00	\$1.50	\$225.00
		SQFT	12	1	1,490.00	\$1.50	\$2,235.00
<b>Unit Sub Total</b>		<b>SQFT</b>		<b>6</b>	<b>9,260.00</b>	<b>\$2.75</b>	<b>\$25,507.20</b>

State of California - Department of Transportation

CONTRACT ITEM COST DATA

ITEM CODE	ITEM DESCRIPTION	UNIT	DIST	NO. OF PROJ	QUANTITY	AVE PRICE PER UNIT	TOTAL AMOUNT
850101	PAVEMENT MARKER (NON-REFLECTIVE)	EA	10	3	710.00	\$3.18	\$2,257.00
		EA	11	17	131,265.00	\$1.06	\$139,264.10
		EA	12	19	138,540.00	\$1.18	\$163,150.80
<b>Unit Sub Total</b>		EA		<b>180</b>	<b>912,280.00</b>	<b>\$1.32</b>	<b>\$1,201,301.30</b>
<b>Item Code 850101</b>	<b>Total No. of Proj.</b>			<b>180</b>		<b>Total Amount</b>	<b>\$1,201,301.30</b>
850102	PAVEMENT MARKER (REFLECTIVE)	EA	4	1	270.00	\$5.50	\$1,485.00
		EA	8	2	4,270.00	\$2.19	\$9,350.00
		EA	12	1	760.00	\$4.00	\$3,040.00
<b>Unit Sub Total</b>		EA		<b>4</b>	<b>5,300.00</b>	<b>\$2.62</b>	<b>\$13,875.00</b>
<b>Item Code 850102</b>	<b>Total No. of Proj.</b>			<b>4</b>		<b>Total Amount</b>	<b>\$13,875.00</b>
850104	PAVEMENT MARKER (REFLECTIVE-SPECIAL TYPE H)	EA	4	1	23.00	\$10.00	\$230.00
<b>Unit Sub Total</b>		EA		<b>1</b>	<b>23.00</b>	<b>\$10.00</b>	<b>\$230.00</b>
<b>Item Code 850104</b>	<b>Total No. of Proj.</b>			<b>1</b>		<b>Total Amount</b>	<b>\$230.00</b>
850110	PAVEMENT MARKER (RETROREFLECTIVE-SPECIAL TYPE C)	EA	8	1	8.00	\$4.50	\$36.00
<b>Unit Sub Total</b>		EA		<b>1</b>	<b>8.00</b>	<b>\$4.50</b>	<b>\$36.00</b>
<b>Item Code 850110</b>	<b>Total No. of Proj.</b>			<b>1</b>		<b>Total Amount</b>	<b>\$36.00</b>
850111	PAVEMENT MARKER (RETROREFLECTIVE)	EA	1	23	50,071.00	\$3.59	\$179,775.00
		EA	2	11	46,182.00	\$3.40	\$157,180.00
		EA	3	38	117,625.00	\$3.63	\$426,484.00
		EA	4	57	108,189.00	\$3.16	\$341,437.70
		EA	5	30	71,496.00	\$2.90	\$207,092.40
		EA	6	36	68,481.00	\$2.78	\$190,716.00
		EA	7	57	251,072.00	\$2.78	\$696,976.21
		EA	8	29	104,281.00	\$3.14	\$327,455.00
		EA	10	29	62,009.00	\$3.14	\$194,998.30
		EA	11	24	86,918.00	\$3.61	\$313,544.80
		EA	12	23	119,521.00	\$2.76	\$329,480.80
		<b>Unit Sub Total</b>		EA		<b>357</b>	<b>1,085,845.00</b>
850111	PAVEMENT MARKER (RETROREFLECTIVE)	LF	6	1	1,200.00	\$3.00	\$3,600.00

**72186-Francisco Drive Overlay  
Cost Estimate**

5/1/2013

Item	Qty	Unit	Unit Price	Total Price
<b>Materials</b>				
<b>Category I: Roadway Materials</b>				
Hot Mix Asphalt (Type A)	610	TON	\$ 56.00	\$34,160.00
Class 2 Aggregate Base Shoulder Backing	30	CY	\$ 12.25	\$367.50
Structural Grinds	517	TON	\$ 59.00	\$30,503.00
Paint Traffic Stripe	4500	LF	\$ 1.00	\$4,500.00
Raised Marker	140	EA	\$ 15.71	\$2,199.40
SS1H Tack Oil	600	Gal	\$ 3.00	\$1,800.00
<b>Total Roadway Materials</b>				<b>\$73,529.90</b>
<b>Category II: Rented Equipment</b>				
Finish Roller (1 Week Rental)	1	EA	1500	\$1,500.00
<b>Total Rented Equipment</b>				<b>\$1,500.00</b>
<b>Category III: Contract Equipment</b>				
54 Transfer Truck (Hauling)	491	HR	\$ 88.00	\$43,208.00
<b>Total Contract Equipment</b>				<b>\$43,208.00</b>
<b>Category IV: County Equipment</b>				
F250 Pickup Truck	40	HR	\$ 10.00	\$400.00
F550 Truck	40	HR	\$ 13.75	\$550.00
Asphalt Grinder	40	HR	\$ 81.25	\$3,250.00
Asphalt Paver	40	HR	\$ 102.50	\$4,100.00
Breakdown Roller	40	HR	\$ 20.00	\$800.00
Skidsteer	40	HR	\$ 36.25	\$1,450.00
Waldon Sweeper	40	HR	\$ 51.25	\$2,050.00
Large Oil Tack Sprayer	40	HR	\$ 31.25	\$1,250.00
Watertruck	40	HR	\$ 20.00	\$800.00
Loader	40	HR	\$ 42.50	\$1,700.00
2 - 10 Wheel Dump Trucks	80	HR	\$ 40.00	\$3,200.00
Grader	40	HR	\$ 71.25	\$2,850.00
<b>Total County Equipment</b>				<b>\$22,400.00</b>
Subtotal Materials				<b>\$140,637.90</b>
Contingency			10%	\$14,021.94
			<b>Total Materials</b>	<b>\$154,659.84</b>
<b>Construction Labor</b>				
10 Crew for Shoulder Backing (2 days at 10 hours/day)	200	HR	\$ 67.98	\$13,596.00
15 Crew for Grind and Pave (2 days at 10 hours/day)	300	HR	\$ 67.98	\$20,394.00
11 Crew for Overlay (2 days at 10 hours/day)	220	HR	\$ 67.98	\$14,955.60
Administrative Time	1	EA	\$ 15,000.00	\$15,000.00
Subtotal Construction Labor				<b>\$63,945.60</b>
Contingency			10%	<b>\$6,394.56</b>
			<b>Total Construction Labor</b>	<b>\$70,340.16</b>
			<b>Total Construct</b>	<b>\$225,000.00</b>
<b>Construction Engineer</b>				
Assistant Engineer - Staff Time	127	HR	110	\$13,970.00
Senior Engineer - Staff Time	23	HR	130	\$2,990.00
Administrative - Staff Time	70	HR	43.43	\$3,040.00
			<b>Total Construction Engineer</b>	<b>\$20,000.00</b>
			<b>Total Cost</b>	<b>\$245,000.00</b>