

El Dorado County-Transportation Division
Cost Comparison-Public bid Contract vs County force account
Mount Aukum Road Bridge Maintenance Project

Estimate Date: May 2013

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		Material and Equipment (see attached spreadsheet)				\$8,328.00
2		Labor (see attached spreadsheet)				\$14,128.00
					TOTAL	\$ 22,456
CONTINGENCY - Change Orders etc.- (15%) (Contingency is likely to increase because of uncertainty of paint location)						\$ 3,368
SUPPLEMENTAL:						
FLAGGING - (2%)						\$ 449
CONSTRUCTION TOTAL						\$ 26,274
CONSTRUCTION ADMINISTRATION/SURVEYING - (15%)						\$ 3,368
PA/ED & PS&E - (25%)						\$ 6,568
TOTAL CONSTRUCTION COST BY CONSTRUCTION CONTRACT METHOD						\$ 36,210
Preliminary Estimate-Force Account Method						
PA/ED+PS&E						\$ 1,500
ESTIMATED COST OF PROPOSED FORCE ACCOUNT AUTHORIZATION						\$ 21,789
CONSTRUCTION ADMINISTRATION						\$ 2,500
TOTAL ESTIMATED COST OF PROPOSED FORCE ACCOUNT AUTHORIZATION						\$ 25,789
SAVING BY FORCE ACCOUNT METHOD						\$ 10,421
PERCENTAGE DIFFERENCE						48%

Mt. Aukum Road Bridge Maintenance Project
Cost Estimate for Public Bid Construction Contract

Cost Estimate Date: May 2013

Girder Spot Painting

Contractor's Bridge Supervisor (4 days x 8 hrs/day)	32	HR	\$ 60.64	\$ 1,940.48
Contractor's Bridge Worker (4 x 4 days x 8 hrs/day)	128	HR	\$ 54.31	\$ 6,952.06

Roadway Striping

Contractor's Traffic Control Supervisor (0.5 days x 8 hrs/day)	4	HR	\$ 60.64	\$ 242.56
Contractor's Traffic Control Worker (2 x 0.5 days x 8 hrs/day)	8	HR	\$ 54.31	\$ 434.48
Sub-total Labor				\$ 9,569.58
Labor Surcharge	0.11			\$ 1,052.65
Subtotal Labor				\$ 10,622.24
Markup on Labor Cost	0.33			\$ 3,505.34
Total Labor				\$ 14,127.58

Mt. Aukum Road Bridge Maintenance Project

Cost Estimate for Public Bid Construction Contract

Cost Estimate Date: May 2013

Girder Spot Painting

F-250 Pickup Truck (4 days x 8 hrs/day)	32	HR	\$ 10.00	\$ 320.00
Bridge Service Truck (4 days x 8 hrs/day)	32	HR	\$ 19.00	\$ 608.00
F-550 Flatbed Truck (4 days x 8 hrs/day)	32	HR	\$ 13.00	\$ 416.00
Traffic Control (2 PCMS @ 4 days)	8	DAY	\$ 80.00	\$ 640.00
Snooper Truck Rental (1 week)	1	LS	\$ 4,750.00	\$ 4,750.00
(\$3,750 base rental + \$1,000 for delivery/return from Santa Rosa, CA)				
Materials - Paint	1	LS	\$ 300.00	\$ 300.00

Roadway Striping

F-250 Pickup Truck (0.5 days x 8 hrs/day)	4	HR	\$ 10.00	\$ 40.00
Paint Striping Truck (0.5 days x 8 hrs/day)	4	HR	\$ 16.00	\$ 64.00
Total Roadway Striping				\$ 104.00
Subtotal for Material and Equipment				\$ 7,242.00
15% Markup for Material and Equipment				\$ 1,086.30
Total Materials and Equipment				\$ 8,328.30

AREA 3: Alpine, Butte, Colusa, El Dorado, Glenn, Lassen, Modoc, Nevada, Placer, Plumas, Sacramento, Shasta, Sierra, Siskiyou, Sutter, Tehama, Trinity, Yolo & Yuba counties

	Rates	Fringes
Modular Furniture Installer		
Area 1		
Installer I.....	\$ 22.11	14.98
Installer II.....	\$ 18.68	14.98
Lead Installer.....	\$ 25.56	15.48
Master Installer.....	\$ 29.78	15.48
Area 2		
Installer I.....	\$ 19.46	14.98
Installer II.....	\$ 16.51	14.98
Lead Installer.....	\$ 22.43	15.48
Master Installer.....	\$ 26.06	15.48
Area 3		
Installer I.....	\$ 18.51	14.98
Installer II.....	\$ 15.74	14.98
Lead Installer.....	\$ 21.31	15.48
Master Installer.....	\$ 24.73	15.48

 * CARP0046-001 07/01/2010

El Dorado (West), Placer (West), Sacramento and Yolo Counties

	Rates	Fringes
Carpenters		
Bridge Builder/Highway Carpenter.....	\$ 37.50	23.14
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer.....	\$ 31.32	23.14
Journeyman Carpenter.....	\$ 31.17	23.14
Millwright.....	\$ 33.67	24.73

Footnote: Placer County (West) includes territory West of and including Highway 49 and El Dorado County (West) includes territory West of and including Highway 49 and territory inside the city limits of Placerville.

 * CARP0046-002 07/01/2010

Alpine, Colusa, El Dorado (East), Nevada, Placer (East), Sierra, Sutter and Yuba Counties

	Rates	Fringes
Carpenters		
Bridge Builder/Highway Carpenter.....	\$ 37.50	23.14
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer.....	\$ 30.42	23.14

Girder Spot Painting

Bridge Maintenance Supervisor (4 days x 8 hrs/day)	32	HR	\$ 86.98	\$	2,783.36
Bridge Maintenance Worker (4 x 4 days x 8 hrs/day)	128	HR	\$ 73.08	\$	9,354.24
F-250 Pickup Truck (4 days x 8 hrs/day)	32	HR	\$ 10.00	\$	320.00
Bridge Service Truck (4 days x 8 hrs/day)	32	HR	\$ 19.00	\$	608.00
F-550 Flatbed Truck (4 days x 8 hrs/day)	32	HR	\$ 13.00	\$	416.00
Traffic Control (2 PCMS @ 4 days)	8	DAY	\$ 30.00	\$	240.00
Snooper Truck Rental (1 week) (\$3,750 base rental + \$1,000 for delivery/return from Santa Rosa, CA)	1	LS	\$ 4,750.00	\$	4,750.00
Materials - Paint	1	LS	\$ 300.00	\$	300.00
Total Girder Spot Painting				\$	18,771.60

Roadway Striping

Traffic Control Maintenance Supervisor (0.5 days x 8 hrs/day)	4	HR	\$ 86.98	\$	347.92
Traffic Control Maintenance Worker (2 x 0.5 days x 8 hrs/day)	8	HR	\$ 73.08	\$	584.64
F-250 Pickup Truck (0.5 days x 8 hrs/day)	4	HR	\$ 10.00	\$	40.00
Paint Striping Truck (0.5 days x 8 hrs/day)	4	HR	\$ 16.00	\$	64.00
Total Roadway Striping				\$	1,036.56

Subtotal Force Account Work				\$	19,808.16
Contingency			10.00%	\$	1,980.82
Total Force Account Work				\$	21,788.98