

# **ATTACHMENT D**

**PROJECT REPORT COST ESTIMATE**



Dist-Co-Rte: 10-SJ-99  
PM: PM 15.0/18.6  
EA: 10-3A1000  
Program Code: 20.10.722.000

**PROJECT DESCRIPTION:**

**Limits:** On Route 99, in San Joaquin County, in Stockton, from 0.4 miles north of the Arch Road UC to 0.1 mile south of the Route 4 West/Route 99 Connector.

**Proposed Improvement:** Widen to six lanes, widen outside shoulders to 10 feet, improve interchanges, construct auxiliary lanes, construct median barriers, construct sound walls.  
(Scope of Work)

**Alternative:** Preferred Alternative, Alternative #2

**SUMMARY OF PROJECT COST ESTIMATE**

I. ROADWAY ITEMS	Sections 1 - 5	\$ 58,300,000
II. ROADSIDE ITEMS	Sections 6 - 7	\$ 6,900,000
III. ROADWAY ADDITIONS	Sections 8 - 10	\$ 31,600,000
<b>TOTAL ROADWAY</b>	<b>Total of Sections 1 - 10 shown above</b>	<b>\$ 96,800,000</b>
<b>TOTAL STRUCTURES</b>		<b>\$ 33,900,000</b>
	<b>SUBTOTAL CONSTRUCTION COSTS</b>	<b>\$ 130,700,000</b>
	<b>TOTAL RIGHT OF WAY ITEMS (Not Escallated)</b>	<b>\$ 46,600,000</b>
	<b>TOTAL PROJECT CAPITAL OUTLAY COSTS</b>	<b>\$ 177,300,000</b>

Reviewed by  
District Program Manager:

*Arvinder Bajwa*  
Arvinder Bajwa

*10/28/08*  
(Date)

Approved by Project Manager:

*Joy Pinne*  
Joy Pinne

*10/29/08*  
(Date)

Phone Number: 209-948-7854

Form revised 8/21/07

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**I. ROADWAY ITEMS**

<u>Section 1 - Earthwork</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
<u>Mainline</u>					
Roadway Excavation	158,100	CY	\$20	\$3,162,000	
Imported Borrow	0	CY	\$0	\$0	
<u>Local Roads/ramps</u>					
Roadway Excavation	171,000	CY	\$20	\$3,420,000	
Imported Borrow	0	CY	\$25	\$0	
<u>Misc.</u>					
Shoulder Backing	10,300	Tons	\$30	\$309,000	
Clearing & Grubbing	1	LS	\$100,000	\$100,000	
Develop Water Supply	1	LS	\$50,000	\$50,000	

Subtotal Earthwork Section: \$7,041,000

**Section 2 - Structural Section**

<u>Mainline</u>					
RAC	38,700	Tons	\$110	\$4,257,000	
Asphalt Concrete	42,800	Tons	\$95	\$4,066,000	
Aggregate Base	148,600	CY	\$35	\$5,201,000	
<u>Local Roads/ramps</u>					
RAC	11,800	Tons	\$110	\$1,298,000	
Asphalt Concrete	48,000	Tons	\$95	\$4,560,000	
Aggregate Base	93,200	CY	\$35	\$3,262,000	

Subtotal Structural Section: \$22,644,000

**Section 3 - Drainage**

Pumping Plants	1	LS	\$2,000,000	\$2,000,000	
Project Drainage (X-Drains, overside, etc.)	1	LS	\$4,650,000	\$4,650,000	

Subtotal Drainage Section: \$6,650,000

<u>Section 4 - Special Items</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Sound Wall (Barrier)	19,300	YD2	\$250	\$4,825,000	
Conc Piling	5,150	YD	\$370	\$1,905,500	
Concrete Barrier(Type 736SV)	4,600	YD	\$500	\$2,300,000	
Minor Concrete(Sound Wall)	1,860	CY	\$420	\$781,200	
Concrete Barrier(Type 60)	6,400	YD	\$160	\$1,024,000	
Remove MBGR	7,300	YD	\$30	\$219,000	
Remove Concrete Barrier	2,600	YD	\$45	\$117,000	
Water Pollution Control	1	LS	\$2,300,000	\$2,300,000	
Haz Materials Mitigation	1	LS	\$300,000	\$300,000	
Environmental Mitigation	1	LS	\$400,000	\$400,000	
Resident Engineer Office	1	LS	\$200,000	\$200,000	
R/W Contract Work	1	LS	\$100,000	\$100,000	

Subtotal Specialty Items Section: \$14,471,700

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**Section 5 - Traffic Items**

Traffic Delineation/signs	<u>1</u>	<u>LS</u>	<u>\$766,000</u>	<u>\$766,000</u>
Traffic Signals	<u>8</u>	<u>EA</u>	<u>\$200,000</u>	<u>\$1,600,000</u>
Ramp Metering	<u>6</u>	<u>EA</u>	<u>\$100,000</u>	<u>\$600,000</u>
Park and Ride Lighting	<u>1</u>	<u>LS</u>	<u>\$30,000</u>	<u>\$30,000</u>
Ramp Lighting and Sign Illumination	<u>2</u>	<u>EA</u>	<u>\$60,000</u>	<u>\$120,000</u>
Mod. Exist Ramp Lighting and Sign Illumination	<u>1</u>	<u>EA</u>	<u>\$50,000</u>	<u>\$50,000</u>
Mod. Exist Traffic Monitoring stations	<u>4</u>	<u>EA</u>	<u>\$25,000</u>	<u>\$100,000</u>
Mod exist CMS	<u>1</u>	<u>EA</u>	<u>\$50,000</u>	<u>\$50,000</u>
Mod. Exist CCTY system	<u>2</u>	<u>EA</u>	<u>\$25,000</u>	<u>\$50,000</u>
Mod. Roadside Weather Information system	<u>1</u>	<u>EA</u>	<u>\$25,000</u>	<u>\$25,000</u>
Rumble Strip	<u>38,000</u>	<u>LF</u>	<u>\$0.30</u>	<u>\$11,400</u>
Traffic Control Systems	<u>1</u>	<u>LS</u>	<u>\$750,000</u>	<u>\$750,000</u>
Traffic Management Plan	<u>1</u>	<u>LS</u>	<u>\$2,401,000</u>	<u>\$2,401,000</u>
Construction Area Signs	<u>1</u>	<u>LS</u>	<u>\$32,000</u>	<u>\$32,000</u>
Traffic Handling	<u>1</u>	<u>LS</u>	<u>\$781,000</u>	<u>\$781,000</u>
Maintain Traffic	<u>1</u>	<u>LS</u>	<u>\$95,000</u>	<u>\$95,000</u>

Subtotal Traffic Items Section: \$7,461,400

TOTAL SECTIONS 1 thru 5 \$58,268,100

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**II. ROADSIDE ITEMS**

**Section 6: Planting and Irrigation**

	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Landscape estimate	<u>1</u>	<u>LS</u>	<u>\$6,300,000</u>	<u>\$6,300,000</u>	
Subtotal Planting and Irrigation Section:					<u>\$6,300,000</u>

**Section 7: Roadside Management and Safety Section**

Erosion Control (Type C,D)	<u>1</u>	<u>LS</u>	<u>\$455,000</u>	<u>\$455,000</u>	
Roadside Facilities (Vista Points, Transit, Park & Ride)	<u>1</u>	<u>LS</u>	<u>\$150,000</u>	<u>\$150,000</u>	
Subtotal Roadside Management and Safety Section:					<u>\$605,000</u>

**TOTAL ROADSIDE ITEMS Sections 6 thru 7** \$6,905,000



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**II. STRUCTURE ITEMS**

	No. 1	STRUCTURE No. 2	No. 3	No. 4
Bridge Name	<u>Duck Creek</u>	<u>Mariposa OC</u>	<u>S. Stockton OC</u>	<u>Mormon Slough</u>
	<u>#29-0012</u>	<u>#29-157</u>	<u>#29-156</u>	<u>#29-119</u>
Structure Type	<u>box culvert</u>	<u>CIP/PS Box</u>	<u>CIP/PS Box</u>	<u>slab bridge</u>
Widen/New/Replace/Removal	<u>widen</u>	<u>replace</u>	<u>removal</u>	<u>widen</u>
area - FT2 (widen/new/replace)	<u>1,125</u>	<u>25,514</u>	<u>0</u>	<u>6,673</u>
Cost Per FT2 (incl. 10% mobilization				
& 25% contingencies	<u>\$200</u>	<u>\$243</u>	<u>\$0</u>	<u>\$209</u>
remove structure - FT2	<u>0</u>	<u>LS</u>	<u>4,529</u>	<u>0</u>
removal cost per FT2	<u>\$0</u>	<u>\$700,000</u>	<u>\$92</u>	<u>\$0</u>
Total Cost for Structure	<u>\$225,000</u>	<u>\$6,891,482</u>	<u>\$415,173</u>	<u>\$1,392,255</u>
	No. 5	No. 6	No. 7	No. 8
Bridge Name	<u>Mormon Slough</u>	<u>Charter Way OC</u>	<u>Main St. OC</u>	<u>Duck Creek</u>
	<u>#29C-0087</u>	<u>#29-120</u>	<u>#29-103</u>	<u>NB offramp</u>
Structure Type	<u>slab bridge</u>	<u>CIP/PS Box</u>	<u>CIP/PS Box</u>	<u>Box culvert</u>
Widen or New	<u>widen</u>	<u>replace</u>	<u>replace</u>	<u>new</u>
area - FT2	<u>3,840</u>	<u>10,580</u>	<u>16,800</u>	<u>4,680</u>
Cost Per FT2 (incl. 10% mobilization				
& 25% contingencies	<u>\$260</u>	<u>\$250</u>	<u>\$543</u>	<u>\$100</u>
remove structure -FT2	<u>0</u>	<u>LS</u>	<u>LS</u>	<u>0</u>
removal cost per FT2	<u>\$0</u>	<u>\$600,000</u>	<u>\$70,000</u>	<u>\$0</u>
Total Cost for Structure	<u>\$996,480</u>	<u>\$3,245,000</u>	<u>\$9,192,400</u>	<u>\$468,000</u>
	No. 9	No. 10	No. 11	No. 12
Bridge Name	<u>Duck Creek</u>	<u>East Stockton UP</u>	<u>ML King OC</u>	<u>Golden Gate OC</u>
	<u>at Mariposa</u>	<u>#29-115</u>	<u>new</u>	<u>#29-103</u>
Structure Type	<u>box culvert</u>	<u>CIP/PS Box</u>	<u>CIP/PS Box</u>	<u>CIP/PS Box</u>
Widen or New	<u>widen</u>	<u>replace</u>	<u>new</u>	<u>remove</u>
area -FT2	<u>3,330</u>	<u>16,815</u>	<u>21,300</u>	<u>0</u>
Cost Per FT2 (incl. 10% mobilization				
& 25% contingencies	<u>\$200</u>	<u>\$258</u>	<u>\$238</u>	<u>\$0</u>
remove structure -FT2	<u>0</u>	<u>0</u>	<u>0</u>	<u>7,605</u>
removal cost per FT2	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$92</u>
Total Cost for Structure	<u>\$666,000</u>	<u>\$4,338,270</u>	<u>\$5,069,400</u>	<u>\$697,150</u>
	No. 13			
Bridge Name	<u>Munford Rd.</u>			
	<u>#29-C0377</u>			
Structure Type	<u>slab bridge</u>			
Widen or New	<u>widen</u>			
area -FT2	<u>571</u>			
Cost Per FT2 (incl. 10% mobilization				
& 25% contingencies	<u>\$452</u>			
remove structure -FT2	<u>0</u>			
removal cost per FT2	<u>\$0</u>			
Total Cost for Structure	<u>\$258,092</u>			

TOTAL STRUCTURE COST \$33,900,000

Estimate Prepared by: Kevin Keady  
 (Print or Type Name)

Phone: 916-227-8267

10/11/07  
 (Date)

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**III. RIGHT OF WAY ITEMS**

	Current Values 2007	Escalation Rates	Escalated 2,012	Escalated 2012
Acquisition, including excess lands and damages to remainder(s) and Goodwill	\$32,030,230	25.0%	5.0%	\$38,932,945
Mitigation	\$10,759	25.0%	5.0%	\$13,077
Utility Relocation (State share)	\$5,717,875	25.0%	5.0%	\$6,950,113
Clearance/Demolition	\$2,332,500	25.0%	5.0%	\$2,835,168
RAP	\$6,062,500	25.0%	5.0%	\$7,369,007
Title and Escrow Fees	\$484,365	25.0%	5.0%	\$588,748
<b>TOTAL RIGHT OF WAY**</b>	<b><u>\$46,600,000</u></b>	<b>ESCALATED VALUE*</b>		<b><u>\$56,700,000</u></b>

Date to which Values are Escalated: 2011/12

\* Escalated to assumed year of advertising.