

District-County-Route _____

KP(PM) _____

EA _____

Program Code _____

PROJECT DESCRIPTION:

Limits: From 400 ft south to 1500 ft north of US 50 Mainline

Proposed Improvement (Scope): Interchange Improvements Year 2025

Cameron Park Drive Interchange - Undercrossing Widening

SUMMARY OF PROJECT COST ESTIMATE (2005 Unit Prices)

TOTAL ROADWAY ITEMS	\$11,800,000
TOTAL STRUCTURE ITEMS	\$300,000
SUBTOTAL CONSTRUCTION COSTS	\$12,100,000
TOTAL RIGHT OF WAY ITEMS	\$500,000
TOTAL PROJECT CAPITAL OUTLAY COSTS	\$12,600,000

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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>
Roadway Excavation	49,749	CY	\$15	\$746,235	
Mass Cut & Haul	19,135	CY	\$15	\$287,025	
Mass Fill (use excess cut)	20,227	CY	\$15	\$303,405	
Clearing & Grubbing	1	LS	\$50,000	\$50,000	
Develop Water Supply	1	LS	\$15,000	\$15,000	
Subtotal Earthwork					\$1,401,665
<u>Section 2 Pavement Structural Section*</u>					
Asphalt Concrete	24,659	Ton	\$60	\$1,479,540	
Lean Concrete Base					
Cement-Treated Base					
Aggregate Base	37,400	CY	\$30	\$1,122,000	
Treated Permeable Base					
Aggregate Subbase					
Pavement Reinforcing Fabric					
Edge Drains					
Concrete					
Subtotal Pavement Structural Section					\$2,601,540
<u>Section 3 Drainage</u>					
Large Drainage Facilities					
Storm Drains	1	LS	\$150,000	\$150,000	
Pumping Plants					
Project Drainage (X-Drains, overside, etc.)					
Subtotal Drainage					\$150,000

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<u>Section 4 Specialty Items</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Retaining Walls (ramps)	29,800	SF	\$50	\$1,490,000	see MM worksheet
Noise Barriers					see struct sheet
Barriers and Guardrails	1,000	LF	\$50	\$50,000	
Equipment/Animal Passes					
Highway Planting					
Replacement Planting					
Irrigation Modification					
Relocate Private Irrigation Facilities					
Erosion Control		SY	\$1		
Slope Protection					
Water Pollution Control	1	LS	\$75,000	\$75,000	
Hazardous Waste Mitigation Work					
Environmental Mitigation					
Resident Engineer Office Space	1	LS	\$50,000	\$50,000	
Landscaping	1	LS			
Fence Relocation					
				Subtotal Specialty Items	\$1,665,000 24%
<hr/>					
<u>Section 5 Traffic Items</u>					
Lighting	1	LS	\$125,000	\$125,000	
Traffic Delineation Items		LF	\$1		
Traffic Signal	3	EA	\$150,000	\$450,000	
Overhead Sign Structures					
Roadside Signs		ea			
Traffic Control Systems (ramp meters)	3	EA	\$80,000	\$240,000	
Transportation Management Plan	1	LS	\$250,000	\$250,000	
				Subtotal Traffic Items	\$1,065,000 15%
				TOTAL SECTION 1 thru 5	\$6,883,205.00

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Section 6 Minor Items

\$ 6,883,205 x (10.0%) = \$689,000 Section Cost
 (Subtotal Sections 1 thru 5)

TOTAL MINOR ITEMS \$689,000

Section 7 Roadway Mobilization

\$ 7,572,205 x (10.0%) = \$758,000
 (Subtotal Sections 1 thru 6)

TOTAL ROADWAY MOBILIZATION \$758,000

Section 8 Roadway Additions

Supplemental Work

\$ 7,572,205 x (10.0%) = \$758,000
 (Subtotal Sections 1 thru 6)

Contingencies

\$ 7,572,205 x 35% = \$2,651,000
 (Subtotal Sections 1 thru 6)

TOTAL ROADWAY ADDITIONS \$3,409,000

TOTAL ROADWAY ITEMS \$11,739,205
 (Subtotal Sections 1 thru 8)

Estimate Prepared By Ted Idlof Phone # (916)784-3900

Estimate Checked By _____ Phone # _____

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II. STRUCTURES ITEMS

Bridge Name Cameron Park UC

Structure Type _____

Work required Use existing structure and widen roadway by one lane
by adding a retaining wall on east side

Span Lengths (Ft) _____

Total Area - (SF) _____

Footing Type (pile/spread) _____

Cost Per SF _____
 (incl. 10% mobilization
 and 25% contingency)

Total Cost for Structure \$ -

SUBTOTAL STRUCTURES ITEMS _____
 (Sum of Total Cost for Structures)

Seismic Retrofit	\$20.00	
Demolition	\$35.00	
Retaining Walls (east side)	2250	\$125.00
150' @ 10' high = 1500 SF		\$281,250
150' @ 0-10' high = 750 SF		

TOTAL STRUCTURES ITEMS \$281,000
 (Sum of Structures Items plus Railroad Items)

COMMENTS:

For additional information, refer to the Advance Planning Study

Estimate Prepared By _____
 Phone: 916 784-3900

Date _____

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III. RIGHT OF WAY ITEMS	<u>SF</u>	<u>Unit price</u>	ESCALATED VALUE	
A. Acquisition, including excess lands, damages to remainder(s) and Goodwill	10000	\$ 18.00	\$180,000	token allowance
B. Utility Relocation (State share)			\$250,000	
C. Relocation Assistance			_____	
D. Clearance/Demolition			_____	
E. Title and Escrow Fees			_____	
F. Construction Contract Work			_____	
Brief Description of Work:				

TOTAL RIGHT OF WAY ITEMS \$430,000

(Current Value)

Anticipated Date of Right of Way Certification _____
(Date to which Values are Escalated)

Right of Way Branch Cost Estimate for Work* _____
Fence Relocation

* This dollar amount is to be included in the Roadway and/or Structures Items of Work, as appropriate. Do not include in Right of Way Items.

COMMENTS:

R/W areas furnished by _____ URS Corp
R/W unit costs furnished by _____

Estimate Prepared By _____ Phone # _____
(Print Name)

Date: