District-County-Route	
KP(PM)	
EA	
Program Code	

PROJECT DESCRIPTION:

Limits: From 1800 ft south to 1300 ft north of US 50 Mainline

Proposed Improvement (Scope): Interchange Improvements Year 2025

Ponderosa Drive Interchange - Overcrossing Widening

SUMMARY OF PROJECT COST ESTIMATE (2005 Unit Prices)

TOTAL ROADWAY ITEMS	\$15,100,000
TOTAL STRUCTURE ITEMS	\$2,300,000
SUBTOTAL CONSTRUCTION COSTS	\$17,400,000
TOTAL RIGHT OF WAY ITEMS	\$3,700,000
TOTAL PROJECT CAPITAL OUTLAY COSTS	\$21,100,000

Planning Level Cost Estimate				Pond	erosa Road/US 50
	District-County-Route				
				KP(PM)	
				EA	
				-	
I. ROADWAY ITEMS					
Section 1 Earthwork	Quantity	Unit	Unit Price	Item Cost	Section Cost
Roadway Excavation		CY	\$15	\$717,296	
Mass Cut & Haul	46,389		\$15	\$695,835	
Mass Fill (use excess cut)	10,767		\$15	\$161,505	
Clearing & Grubbing		LS	\$50,000	\$50,000	
Develop Water Supply	1	LS	\$15,000	\$15,000	
Section 2 Pavement Structural Section*			Subtot	al Earthwork _	\$1,639,636
Asphalt Concrete	29,467	Ton	\$60	\$1,768,020	
Lean Concrete Base	. <u> </u>				
Cement-Treated Base	42 440	CV		¢1 202 200	
Aggregate Base	43,440		\$30	\$1,303,200	
Treated Permeable Base					
Aggregate Subbase					
	Sub	total Pa	wement Struc	tural Section	\$3,071,220
Section 3 Drainage					
Large Drainage Facilities					
Storm Drains	20,000	LF	\$15	\$300,000	
Pumping Plants					
Project Drainage					
(X-Drains, overside, etc.)					
			Subto	otal Drainage	\$300,000
			2.000		+200,000

			District-Co	ounty-Route KP(PM) EA		
Section 4 Specialty Items	<u>Quantity</u>	<u>Unit</u>	Unit Price	Item Cost	Section Cost	
Tie back Retaining Walls (note 1)	4,500	SF	\$125	\$562,500		
Retaining wall Standard (Note 2.)	27,600	SF	\$50	\$1,380,000		
Barriers and Guardrails	2,000	LF	\$50	\$100,000		
Equipment/Animal Passes						
Highway Planting						
Replacement Planting						
Irrigation Modification						
Relocate Private Irrigation Facilities						
Erosion Control		SY	\$1			
Slope Protection						
Water Pollution Control	1	LS	\$180,000	\$180,000		
Hazardous Waste Mitigation Work						
Environmental Mitigation						
Resident Engineer Office Space	1	LS	\$50,000	\$50,000		
Landscaping	1	LS				
Fence Relocation						
			Subtotal Sp	ecialty Items	\$2,272,500	26
Section 5 Traffic Items				_		
Lighting	1	LS	\$100,000	\$100,000		
Traffic Delineation Items	96000	LF	\$1	\$96,000		
Traffic Signal	4	EA	\$150,000	\$600,000		
Overhead Sign Structures						
Roadside Signs		ea				
Traffic Control Systems (ramp meters)	3	EA	\$80,000	\$240,000		
Transportation Management Plan	1	LS	\$500,000	\$500,000		
				Traffic Items	\$1,536,000	17
			TOTAL SECT	ION 1 thru 5	\$8,819,356.30	

Notes

1. assume 200 ft long under ea bridge abutment x 2 abutments and avg 5 ft high = 2000 SF Add 500 ft x 5 ft avg = 2500 SF

2. Other "normal" retaining walls see Excavation worksheet

	District-County-Route KP(PM) EA	
Section 6 Minor Items		<u>n Cost</u>
	TOTAL MINOR ITEMS	\$882,000
Section 7 Roadway Mobil	$\frac{1ization}{\$ 9,701,356} x (10.0\%) = \$971,000}$ (Subtotal Sections 1 thru 6)	
	TOTAL ROADWAY MOBILIZATION	\$971,000
Section 8 Roadway Addit	tions	
Supplemental Work	$\frac{\$ 9,701,356}{\text{(Subtotal Sections 1 thru 6)}} x (10.0\%) = \frac{\$971,000}{\text{(Subtotal Sections 1 thru 6)}}$	
Contingencies	$\frac{\$ 9,701,356}{\text{(Subtotal Sections 1 thru 6)}} \times 35\% = \frac{\$3,396,000}{\text{(Subtotal Sections 1 thru 6)}}$	
	TOTAL ROADWAY ADDITIONS\$4	1,367,000
	TOTAL ROADWAY ITEMS\$13(Subtotal Sections 1 thru 8)	5,039,356
Estimate Prepared By <u>1</u>	Ted Idlof Phone # (916)784-3900	
Estimate Checked By	Phone #	
_		

District-County-Route	
KP(PM)	
EA	

II. STRUCTURES ITEMS

Cambridge Drive OC			
35.0			
232.0			
8,120			
\$ 250.00			
\$ 2,030,000 SUB	BTOTAL STRU	CTURES ITEMS	\$2,030,000
(Sum of Te	otal Cost for Str	uctures)	
10440	\$20.00		\$208,800
	35.0 232.0 8,120 \$ 250.00 \$ 2,030,000 \$ UI (Sum of Te	232.0 8,120 \$ 250.00 \$ 2,030,000 SUBTOTAL STRU (Sum of Total Cost for Str	35.0 232.0 8,120 \$ 250.00 \$ 2,030,000 SUBTOTAL STRUCTURES ITEMS (Sum of Total Cost for Structures)

TOTAL STRUCTURES ITEMS\$2,240,000

Date

(Sum of Structures Items plus Railroad Items)

COMMENTS:

For additional information, refer to the Advance Planning Study

Estimate Prepared By

Phone: 916 784-3900

prepared by URS print date: 10/21/20054:40 PM

					District-County-Route KP(PM) EA	
III. RIGHT OF WAY ITH	EMS	<u>SF</u>	<u>Unit</u>	<u>price</u>	ESCALATED VALUE	
 A. Acquisition, includ damages to remain 	ing excess lands, der(s) and Goodwill		193000 \$	18.00	\$3,474,000	see worksheet
B. Utility Relocation ((State share)				\$150,000	
C. Relocation Assistan	nce					
D. Clearance/Demolit	ion					
E. Title and Escrow F	ees					
F. Construction Contra Brie	act Work of Description of Work					
	(Current	t Value)	T	OTAL RIGHT OF WAY ITEMS	\$3,624,000
		(Ľ	Anticip Date to which		ate of Right of Way Certification are Escalated)	
	Right of Way Branc Fence Relocation * This dollar amount				way and/or Structures Items of	
	Work, as appropriat	e. <u>Do r</u>	not include in	Right of	f Way Items.	
COMMENTS	S: <u>R/W areas furnished</u> <u>R/W unit costs furni</u>		у		URS Corp	
Estimate Prepared By	(Print Name)	Phon	e #		Date:	