

## State Route 70/Erle Interchange Option C Cost Estimate Summary

03-YUB-65, PM 7.5/9.2

03-YUB-70, PM 7.0/9.0

EA 03-3E810K

### PROJECT DESCRIPTION:

**Limits:** Erle Road / SR 70 Interchange Improvements (PM 10.155). Erle Road improvements limits are from Chestnut Road to Edgewater Circle. SR 70 improvement limits are from approximately .5 miles north and south Erle Interchange.

**Proposed Improvement (Scope):** Major Improvement features includes widening the existing overcrossing and overhead, ramp widening, new ramp re-configurations, and Erle and Lindhurst Road widening.  
Maintain existing Northbound L-6 configuration and Southbound L-1 configuration. New Northbound on-ramp

**Alternative:** Option C

### PROJECT COST ESTIMATE

TOTAL ROADWAY ITEMS	<u>\$ 11,220,000</u>
TOTAL STRUCTURE ITEMS	<u>\$ 7,180,000</u>
SUBTOTAL CONSTRUCTION COSTS	<u>\$ 18,400,000</u>
TOTAL RIGHT OF WAY ITEMS	<u>\$ 1,790,000</u>
TOTAL ALTERNATIVE COST	<u>\$ 20,190,000</u>

Reviewed by District Program Manager

\_\_\_\_\_  
(Signature)

Approved by Project Manager

\_\_\_\_\_  
(Signature)

Date \_\_\_\_\_

Phone Number \_\_\_\_\_



<u>Section 4. Specialty Items</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Misc Frontage Work		LS	\$ 300,000	\$ 300,000	
Retaining Walls			\$ -	\$ -	
Rumble Strip			\$ -	\$ -	
Barriers and Guardrails			\$ -	\$ -	
Left Turn Channelization			\$ -	\$ -	
Highway Planting	1	LS	\$ 25,000	\$ 25,000	
-Concrete Barrier (Type 60C)		LF	\$ 75	\$ -	
-Asphalt Concrete (.67' Depth)		TON	\$ 100.00	\$ -	
-Aggregate Base (1.5' Depth)		CY	\$ 50.00	\$ -	
-Roadway Excavation		CY	\$ 20.00	\$ -	
-Remove Metal Beam Guardrail		LF	\$ 35.00	\$ -	
Replacement Planting			\$ -	\$ -	
Irrigation Modification			\$ -	\$ -	
Relocate Private Irrigation Facilities			\$ -	\$ -	
Erosion Control			\$ -	\$ -	
Slope Protection			\$ -	\$ -	
Water Pollution Control			\$ -	\$ -	
Hazardous Waste Mitigation Work			\$ -	\$ -	
Environmental Mitigation			\$ -	\$ -	
Resident Engineer Office Space			\$ -	\$ -	
<b>Subtotal Specialty Items</b>				\$	325,000

<u>Section 5. Traffic Items</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Lighting		EA	\$ 6,000	\$ -	
Traffic Signals	12	EA	\$ 25,000	\$ 300,000	
Overhead Signs - Hanging from structure	2	EA	\$ 15,000	\$ 30,000	
Overhead Signs - WB On Ramp	1	LS	\$ 750,000	\$ 750,000	
Construction Area Signs		EA	\$ 200	\$ -	
Traffic Control		DAY	\$ 2,500	\$ -	
Incl Traffic Control Systems and Traffic Delineation Items and Transportation Management Plan				\$ -	
Remove Signing and Striping	36579	LF	\$ 1.3	\$ 47,553	
Remove Pavement Marking	1000	SF	\$ 7.0	\$ 7,000	
Signing and Striping	46948	LF	\$ 1.7	\$ 79,812	
Pavement Marking	2100	SF	\$ 3.4	\$ 7,140	
<b>Subtotal Traffic Items Section</b>				\$	1,221,504

**TOTAL SECTIONS 1 thru 5** \$ 7,032,615

**Section 6. Minor Items**

**Section Cost**

\$ 7,032,615 x (10%) =  
(Subtotal Sections 1 thru 5)

\$ 703,262

**Subtotal Minor Items** \$ 703,262

**Section 7. Roadway Mobilization**

**Section Cost**

\$ 7,735,877 x (10%) =  
(Subtotal Sections 1 thru 6)

\$ 773,588

**Subtotal Roadway Mobilization** \$ 773,588

**Section 8. Roadway Additions**

**Section Cost**

Supplemental Work  
\$ 7,735,877 x (10%) =  
(Subtotal Sections 1 thru 6)

\$ 773,588

Contingencies  
\$ 7,735,877 x (25%) =  
(Subtotal Sections 1 thru 6)

\$ 1,933,969

**Subtotal Roadway Additions** \$ 2,707,557

**TOTAL ROADWAY ITEMS** \$ 11,217,021  
(Subtotal Sections 1 thru 8)

**CALL** \$ 11,220,000

**Estimate Prepared By** Christine Jansen **Phone #** (916)781-3835 **Date** Oct-08  
(Print Name)

**Estimate Checked By** Sandy Wong **Phone #** (916)960-4330 **Date** Oct-08  
(Print Name)

**II. STRUCTURES ITEMS**

	Structure I	Structure II	Structure III
Bridge Name	<u>Erle Road Widening OC</u>	<u>Erle OH (RR)</u>	<u>Erle NB On-Ramp</u>
Structure Type	<u>CIP P/S</u>	<u>CIP P/S</u>	<u>CIP P/S</u>
Width (out to out) - (ft)	<u>Varies</u>	<u>Varies</u>	26'-10"
Length - (ft)	<u>253'-10 3/4"</u>	<u>143'-3 5/8"</u>	647'-0"
Total Area -(ft <sup>2</sup> )	<u>10715</u>	<u>6910</u>	<u>17361</u>
Footing Type (pile/spread)	<u>Assumed 16" CIDH</u>	<u>Assumed 16" CIDH</u>	<u>Assumed 16" CIDH</u>
Incl 10% mobilization and 25%	\$ <u>207</u>	\$ <u>219</u>	\$ <u>195</u>
Bridge Removal	\$ <u>19,000</u>	\$ <u>37,000</u>	
Total Cost For Structure	\$ <u>2,240,000</u>	\$ <u>1,550,000</u>	\$ <u>3,390,000</u>
		<b>Subtotal Structures Items</b>	\$ <u>7,180,000</u>
		(Sum of Total Cost for Structures)	

<b>Railroad Related Costs:</b>		\$ <u>-</u>
		\$ <u>-</u>
		\$ <u>-</u>
		<b>Subtotal Railroad Items</b>
		\$ <u>-</u>

**TOTAL STRUCTURES ITEMS** \$ 7,180,000  
(Sum of Structures Items plus Railroad Items)

**COMMENTS: See APS Option D approved 12/15/2008 by AD**

<b>Estimate Prepared By</b>	<u>Christine Jansen</u> (Print Name)	<b>Phone #</b>	<u>(916)781-3835</u>	<b>Date</b>	<u>Oct-08</u>
<b>Estimate Checked By</b>	<u>Sandy Wong</u> (Print Name)	<b>Phone #</b>	<u>(916)960-4330</u>	<b>Date</b>	<u>Oct-08</u>

**III. RIGHT OF WAY ITEMS**

	ESCALATED VALUE
A. Acquisition, including excess lands, damages to remainder(s) and Goodwill	\$ 1,493,875
B. Utility Relocation (State Share)	\$ 250,000
C. Relocation Assistance	\$ 30,000
D. Clearance/Demolition	\$ -
E. Title and Escrow Fees	\$ 13,500

**TOTAL RIGHT OF WAY ITEMS** \$ 1,790,000

Anticipated Date of Right of Way Certification: \_\_\_\_\_  
(Date to which Values are Escalated)

F. Construction Contract Work

Brief Description of Work:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Right of Way Branch Cost Estimate for Work\* \$ -

is to be included in  
the Roadway  
Do not include in Right of Way Items.

**COMMENTS:**

<b>Estimate Prepared By</b>	Christine Jansen	<b>Phone #</b>	(916)781-3835	<b>Date</b>	Oct-08
	(Print Name)				
<b>Estimate Checked By</b>	Sandy Wong	<b>Phone #</b>	(916)960-4330	<b>Date</b>	Oct-08
	(Print Name)				