

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE SUMMARY**

District-County-Route	<b>10-Sta-SCC</b>
Type of Estimate	<b>Feasibility</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>
Program Code	<b>N/A</b>

**PROJECT DESCRIPTION:**

**Limits:** Interstate 5 to State Route 99 in Stanislaus County

**Proposed Improvement (Scope):** Construction/Upgrade of Expressway, Bridge Structures, Interchanges, Drainage Facilities, Road excavation, clearing and grubbing, AC, AB, culverts, sidewalk, curb, gutter, barriers, midwest guardrail systems, erosion control, traffic delineation and traffic control.

**Alternative:** 1B - Segments 1, 12, 16, 17, 18 and 30.

<b>ROADWAY ITEMS</b>	\$	<b>124,908,000</b>
<b>STRUCTURE ITEMS</b>	\$	<b>78,975,600</b>
<b>SUBTOTAL CONSTRUCTION</b>	\$	<b>203,883,600</b>
<b>RIGHT OF WAY</b>	\$	<b>57,399,495</b>
<b>TOTAL PROJECT</b>	\$	<b>261,283,100</b>

**Reviewed by**      Signature \_\_\_\_\_ Date \_\_\_\_\_  
**Lead Roadway Engineer, Kevin Bewsey**

**Approved by**      Signature \_\_\_\_\_ Date \_\_\_\_\_  
**Project Manager, Keith Rhodes**

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route      **10-Sta-SCC**  
 KP (PM)                            N/A        
 EA                                    N/A      

**I. ROADWAY ITEMS**

<u><b>Section 1 Earthwork</b></u>	<u><b>Quantity</b></u>	<u><b>Unit</b></u>	<u><b>Unit Price</b></u>	<u><b>Item Cost</b></u>	<u><b>Section Cost</b></u>
Roadway Excavation	308,071	CY	\$ 11.50	\$ 3,542,817	
Roadway Excavation (Intersection)	165,421	CY	\$ 11.50	\$ 1,902,342	
Develop Water Supply	1	LS	\$ 272,258	\$ 272,258	
Clearing & Grubbing	255	AC	\$ 10,000.00	\$ 2,550,000	
<b><u>Subtotal Earthwork</u></b>					<b>\$ <u>8,267,417</u></b>

**Section 2 Pavement Structural Section**

Hot Mix Asphalt	315,522	TON	\$ 75.00	\$ 23,664,150	
Aggregate Base	311,627	CY	\$ 37.00	\$ 11,530,199	
Geotextile Fabric	474,067	SY	\$ 2.00	\$ 948,133	
<b><u>Subtotal Pavement Structural Section</u></b>					<b>\$ <u>36,142,482</u></b>

**Section 3 Drainage**

Temporary Dam/Culvert	402	LF	\$ 75.00	\$ 30,150	
Ditch Excavation	34333	CY	\$ 11.50	\$ 394,830	
Project Drainage	75948	LF	\$ 106.00	\$ 8,050,488	
<b><u>Subtotal Drainage</u></b>					<b>\$ <u>8,475,468</u></b>

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	N/A
EA	N/A

<u>Section 4 Specialty Items</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Barrier/ Guardrail	600	LF	\$ 325.00	\$ 195,000	
Terminal End System	20	EA	\$ 2,250.00	\$ 45,000	
Transition System	20	LF	\$ 3,250.00	\$ 65,000	
Temporary Erosion Control	137	AC	\$ 4,356.00	\$ 597,184	
Permanent Erosion Control	137	AC	\$ 4,356.00	\$ 597,184	
<b>Subtotal Specialty Items</b>					<b>\$ 1,499,368</b>

<u>Section 5 Traffic Items</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Traffic Delineation Items	106,640	LF	\$ 0.84	\$ 89,578	
Traffic Signals	8	EA	\$ 300,000.00	\$ 2,400,000	
Traffic Control Systems (New Alignment)	1	LS	\$ 16,000.00	\$ 16,000	
Traffic Control Systems (Exist Alignment)	1	LS	\$ 1,299,420.00	\$ 1,299,420	
<b>Subtotal Traffic Items</b>					<b>\$ 3,804,998</b>
<b>TOTAL SECTIONS 1 - 5</b>					<b>\$ 58,189,733</b>

<u>Section 6 Minor Items</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Sidewalk, Curb and Gutter	75,948	LF	\$ 48.00	\$ 3,645,504	
Planting and Irrigation	1	LS	\$ 2,910,000.00	\$ 2,910,000	
Roadside Management & Safety	1	LS	\$ 5,820,000.00	\$ 5,820,000	
Other Minor Items	1	LS	\$ 2,910,000.00	\$ 2,910,000	
<b>Total Minor Items</b>					<b>\$ 15,285,504</b>

## PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	N/A
EA	N/A

**Section 7 Roadway Mobilization**

**Item Cost**

**Section Cost**

(Subtotal Sections 1-6)    \$ 73,475,237    x    (10%)    =    \$ 7,347,524

**Total Roadway Mobilization**    \$    7,347,524

**Section 8 Roadway Additions**

Supplemental Work

(Subtotal Sections 1-6)    \$ 73,475,237    x    (10%)    =    \$ 7,347,524

Contingencies

(Subtotal Sections 1-6)    \$ 73,475,237    x    (50%)    =    \$ 36,737,619

**Total Roadway Additions**    \$    44,085,143

**TOTAL ROADWAY ITEMS**    **124,907,904**  
(Total Sections 1 - 8)

Estimate Prepared By	Dean Zurcher <small>(Print Name)</small>	Phone #		Date	
Estimate Checked By	Kevin Bewsey <small>(Print Name)</small>	Phone #		Date	

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**II. STRUCTURE ITEMS**

	<u>STRUCTURE</u>			
	<u>No. 1</u>	<u>No. 2</u>	<u>No. 3</u>	
	1-5	Aqueduct		
Bridge Name	Undercrossing	Bridge	Canal Bridge	
Structure Type	CIP/PS BOX	CIP/PS BOX	CIP/PS BOX	
Width (out to out)	78.00	78.00	78.00	
Span Lengths	155.00	250.00	162.00	
Total Area	12090.00	19500.00	12636.00	
Footing Type (pile/spread)	Pile	Pile	Pile	
Cost Per Square Foot	\$ 200.00	250.00	200.00	
Total Cost	\$ 2,418,000.00	4,875,000.00	2,527,200.00	
10% Mobilization	\$ 241,800.00	487,500.00	252,720.00	
20% Contingency	\$ 483,600.00	975,000.00	505,440.00	
Bridge Removal	\$ 0.00	0.00	0.00	
Total Cost for Structure	\$ 3,143,400.00	\$ 6,337,500.00	\$ 3,285,360.00	
Other	\$ 20,000,000.00	\$	\$	
		<b><u>SUBTOTAL STRUCTURES ITEMS</u></b>	<b>\$ 32,766,260</b>	
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ N/A	\$ N/A	\$ N/A	\$ 0
		<b><u>SUBTOTAL RAILROAD ITEMS</u></b>	<b>\$ 0</b>	
		<b><u>TOTAL STRUCTURES ITEMS</u></b>	<b>\$ 32,766,260</b>	

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 4</u>	<u>No. 5</u>	<u>No. 6</u>	
Bridge Name	SR33/UPRR	Irrigation	Irrigation	
Structure Type	Overcrossing	Bridge	Bridge	
Width (out to out)	<u>CIP/PS BOX</u>	<u>RC Slab</u>	<u>RC Slab</u>	
Span Lengths	<u>78.00</u>	<u>116.00</u>	<u>116.00</u>	
Total Area	<u>238.00</u>	<u>20.00</u>	<u>20.00</u>	
Footing Type (pile/spread)	<u>18564.00</u>	<u>2320.00</u>	<u>2320.00</u>	
Cost Per Square Foot	<u>Pile</u>	<u>Spread</u>	<u>Spread</u>	
Total Cost	\$ <u>150.00</u>	<u>250.00</u>	<u>250.00</u>	
10% Mobilization	\$ <u>2,784,600.00</u>	<u>580,000.00</u>	<u>580,000.00</u>	
20% Contingency	\$ <u>278,460.00</u>	<u>58,000.00</u>	<u>58,000.00</u>	
Bridge Removal	\$ <u>556,920.00</u>	<u>116,000.00</u>	<u>116,000.00</u>	
Total Cost for Structure	\$ <u>0.00</u>	<u>30,000.00</u>	<u>30,000.00</u>	
Other	\$ <u>3,619,980.00</u>	\$ <u>754,000.00</u>	\$ <u>754,000.00</u>	
	\$ <u>17,000,000.00</u>	\$ _____	\$ _____	
		<b><u>SUBTOTAL STRUCTURES ITEMS</u></b>	<b>\$ <u>22,127,980</u></b>	
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ <u>0.00</u>	\$ <u>N/A</u>	\$ <u>N/A</u>	\$ <u>0</u>
		<b><u>SUBTOTAL RAILROAD ITEMS</u></b>	<b>\$ <u>0</u></b>	
		<b><u>TOTAL STRUCTURES ITEMS</u></b>	<b>\$ <u>22,127,980</u></b>	

COMMENTS: Assumed no track relocation or shoo fly at structure No. 4.

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**II. STRUCTURE ITEMS**

	<u>STRUCTURE</u>			
	<u>No. 7</u>	<u>No. 8</u>	<u>No. 9</u>	
Bridge Name	Irrigation	San Joaquin	Irrigation	
Structure Type	<u>Bridge</u>	<u>River Bridge</u>	<u>Bridge</u>	
Structure Type	<u>RC Slab</u>	<u>CIP/PS BOX</u>	<u>RC Slab</u>	
Width (out to out)	<u>116.00</u>	<u>78.00</u>	<u>116.00</u>	
Span Lengths	<u>20.00</u>	<u>950.00</u>	<u>20.00</u>	
Total Area	<u>2320.00</u>	<u>74100.00</u>	<u>2320.00</u>	
Footing Type (pile/spread)	<u>Spread</u>	<u>Pile</u>	<u>Spread</u>	
Cost Per Square Foot	\$ <u>250.00</u>	<u>100.00</u>	<u>250.00</u>	
Total Cost	\$ <u>580,000.00</u>	<u>7,410,000.00</u>	<u>580,000.00</u>	
10% Mobilization	\$ <u>58,000.00</u>	<u>741,000.00</u>	<u>58,000.00</u>	
20% Contingency	\$ <u>116,000.00</u>	<u>1,482,000.00</u>	<u>116,000.00</u>	
Bridge Removal	\$ <u>30,000.00</u>	<u>0.00</u>	<u>30,000.00</u>	
Total Cost for Structure	\$ <u>754,000.00</u>	\$ <u>9,633,000.00</u>	\$ <u>754,000.00</u>	
Other	\$ _____	\$ _____	\$ _____	
		<b><u>SUBTOTAL STRUCTURES ITEMS</u></b>		\$ <u><b>11,141,000</b></u>
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ <u>N/A</u>	\$ <u>N/A</u>	\$ <u>0.00</u>	\$ <u><b>0</b></u>
		<b><u>SUBTOTAL RAILROAD ITEMS</u></b>		\$ <u><b>0</b></u>
		<b><u>TOTAL STRUCTURES ITEMS</u></b>		\$ <u><b>11,141,000</b></u>

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 10</u>	<u>No. 11</u>	<u>No. 12</u>	
Bridge Name	Irrigation Bridge	BNSF Railroad Grade Separation	Irrigation Bridge	
Structure Type	RC Slab	CIP/PS BOX	RC Slab	
Width (out to out)	116.00	78.00	116.00	
Span Lengths	20.00	280.00	20.00	
Total Area	2320.00	21840.00	2320.00	
Footing Type (pile/spread)	Spread	Pile	Spread	
Cost Per Square Foot	\$ 250.00	200.00	250.00	
Total Cost	\$ 580,000.00	4,368,000.00	580,000.00	
10% Mobilization	\$ 58,000.00	436,800.00	58,000.00	
20% Contingency	\$ 116,000.00	873,600.00	116,000.00	
Bridge Removal	\$ 30,000.00	0.00	30,000.00	
Total Cost for Structure	\$ 754,000.00	\$ 5,678,400.00	754,000.00	
Other	\$	\$ 5,000,000.00	\$	
	<b><u>SUBTOTAL STRUCTURES ITEMS</u></b>			<b>\$ 12,186,400</b>
	(Sum of Total Cost for Structures)			
Railroad Related Costs:	\$ N/A	\$ N/A	\$ 0.00	\$ 0
	<b><u>SUBTOTAL RAILROAD ITEMS</u></b>			<b>\$ 0</b>
	<b><u>TOTAL STRUCTURES ITEMS</u></b>			<b>\$ 12,186,400</b>

COMMENTS: Assumed no track relocation or shoo fly at structure No. 11.

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
(Print Name)

NOTE: If appropriate, attach additional pages and backup.



**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 13</u>	<u>No. 14</u>	<u>No. 15</u>	
	Irrigation			
Bridge Name	<u>Bridge</u>	_____	_____	
Structure Type	<u>RC Slab</u>	_____	_____	
Width (out to out)	<u>116.00</u>	_____	_____	
Span Lengths	<u>20.00</u>	_____	_____	
Total Area	<u>2320.00</u>	_____	_____	
Footing Type (pile/spread)	<u>Spread</u>	_____	_____	
Cost Per Square Foot	\$ <u>250.00</u>	_____	_____	
Total Cost	\$ <u>580,000.00</u>	_____	_____	
10% Mobilization	\$ <u>58,000.00</u>	_____	_____	
20% Contingency	\$ <u>116,000.00</u>	_____	_____	
Bridge Removal	\$ <u>30,000.00</u>	_____	_____	
Total Cost for Structure	\$ <u>754,000.00</u>	\$ _____	\$ _____	
Other	\$ _____	\$ _____	\$ _____	
	<b><u>SUBTOTAL STRUCTURES ITEMS</u></b>			\$ <u>754,000</u>
	(Sum of Total Cost for Structures)			
Railroad Related Costs:	\$ <u>N/A</u>	\$ <u>N/A</u>	\$ <u>0.00</u>	\$ <u>0</u>
	<b><u>SUBTOTAL RAILROAD ITEMS</u></b>			\$ <u>0</u>
	<b><u>TOTAL STRUCTURES ITEMS</u></b>			\$ <u>754,000</u>

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**III. RIGHT OF WAY**

	<u>Current Values (Future Use)</u>	<u>Escalation Rates</u>	<u>Escalated Values*</u>
Acquisition, including excess lands, and damages to remainder(s)	\$ <u>41,745,087</u>	\$ <u>10%</u>	\$ <u>45,919,596</u>
Utility Relocation (Agency share)	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Clearance/Demolition	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
RAP (Relocation Assistance Program)	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Title and Escrow Fees	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Contingency	\$ _____	\$ <u>25%</u>	\$ <u>11,479,899</u>
Total Current R/W	\$ <u>41,745,087</u>	Total Escalated R/W	\$ <u>57,399,495</u>
 CONSTRUCTION CONTRACT WORK	\$ _____	\$ <u>0</u>	\$ <u>0</u>

\* Anticipated Date of Right of Way Certification \_\_\_\_\_

COMMENTS: Right of Way costs were not developed at the feasibility phase.

Estimate Prepared By \_\_\_\_\_ Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE SUMMARY**

District-County-Route	<b>10-Sta-SCC</b>
Type of Estimate	<b>Feasibility</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>
Program Code	<b>N/A</b>

**PROJECT DESCRIPTION:**

**Limits:** Interstate 5 to State Route 99 in Stanislaus County

**Proposed Improvement (Scope):** Construction/Upgrade of Expressway, Bridge Structures, Interchanges, Drainage Facilities, Road excavation, clearing and grubbing, AC, AB, culverts, sidewalk, curb, gutter, barriers, midwest guardrail systems, erosion control, traffic delineation and traffic control.

**Alternative:** 1C - Segments 2, 12, 16, 17, 18 and 30.

<b>ROADWAY ITEMS</b>	\$	<b>127,386,000</b>
<b>STRUCTURE ITEMS</b>	\$	<b>78,721,600</b>
<b>SUBTOTAL CONSTRUCTION</b>	\$	<b>206,107,600</b>
<b>RIGHT OF WAY</b>	\$	<b>58,837,626</b>
<b>TOTAL PROJECT</b>	\$	<b>264,945,200</b>

**Reviewed by**      Signature \_\_\_\_\_ Date \_\_\_\_\_  
**Lead Roadway Engineer, Kevin Bewsey**

**Approved by**      Signature \_\_\_\_\_ Date \_\_\_\_\_  
**Project Manager, Keith Rhodes**

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	N/A
EA	N/A

**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	312,982	CY	\$ 11.50	\$ 3,599,293	
Roadway Excavation (Intersection)	165,421	CY	\$ 11.50	\$ 1,902,342	
Develop Water Supply	1	LS	\$ 275,082	\$ 275,082	
Clearing & Grubbing	259	AC	\$ 10,000.00	\$ 2,590,000	
					<b>Subtotal Earthwork</b>
					\$ <b>8,366,717</b>

<u>Section 2 Pavement Structural Section</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Hot Mix Asphalt	320,495	TON	\$ 75.00	\$ 24,037,125	
Aggregate Base	316,538	CY	\$ 37.00	\$ 11,711,906	
Geotextile Fabric	488,800	SY	\$ 2.00	\$ 977,600	
					<b>Subtotal Pavement Structural Section</b>
					\$ <b>36,726,631</b>

<u>Section 3 Drainage</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Temporary Dam/Culvert	402	LF	\$ 75.00	\$ 30,150	
Ditch Excavation	34333	CY	\$ 11.50	\$ 394,830	
Project Drainage	79348	LF	\$ 106.00	\$ 8,410,888	
					<b>Subtotal Drainage</b>
					\$ <b>8,835,868</b>

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	N/A
EA	N/A

<b><u>Section 4 Specialty Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Barrier/ Guardrail	600	LF	\$ 325.00	\$ 195,000	
Terminal End System	20	EA	\$ 2,250.00	\$ 45,000	
Transition System	20	LF	\$ 3,250.00	\$ 65,000	
Temporary Erosion Control	139	AC	\$ 4,356.00	\$ 606,704	
Permanent Erosion Control	139	AC	\$ 4,356.00	\$ 606,704	
				<b><u>Subtotal Specialty Items</u></b>	<b>\$ 1,518,408</b>

<b><u>Section 5 Traffic Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Traffic Delineation Items	108,340	LF	\$ 0.84	\$ 91,006	
Traffic Signals	8	EA	\$ 300,000.00	\$ 2,400,000	
Traffic Control Systems (New Alignment)	1	LS	\$ 16,000.00	\$ 16,000	
Traffic Control Systems (Exist Alignment)	1	LS	\$ 1,299,420.00	\$ 1,299,420	
				<b><u>Subtotal Traffic Items</u></b>	<b>\$ 3,806,426</b>
				<b>TOTAL SECTIONS 1 - 5</b>	<b>\$ 59,254,050</b>

<b><u>Section 6 Minor Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Sidewalk, Curb and Gutter	79,348	LF	\$ 48.00	\$ 3,808,704	
Planting and Irrigation	1	LS	\$ 2,970,000.00	\$ 2,970,000	
Roadside Management & Safety	1	LS	\$ 5,930,000.00	\$ 5,930,000	
Other Minor Items	1	LS	\$ 2,970,000.00	\$ 2,970,000	
				<b><u>Total Minor Items</u></b>	<b>\$ 15,678,704</b>

---

## PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	N/A
EA	N/A

---

### Section 7 Roadway Mobilization

**Item Cost**                                **Section Cost**

(Subtotal Sections 1-6)    \$          74,932,754          x    (10%)    =    \$          7,493,275      

**Total Roadway Mobilization**    \$          7,493,275      

### Section 8 Roadway Additions

Supplemental Work

(Subtotal Sections 1-6)    \$          74,932,754          x    (10%)    =    \$          7,493,275      

Contingencies

(Subtotal Sections 1-6)    \$          74,932,754          x    (50%)    =    \$        37,466,377      

**Total Roadway Additions**    \$        44,959,652      

**TOTAL ROADWAY ITEMS**                                **127,385,681**  
(Total Sections 1 - 8)

Estimate Prepared By          Dean Zurcher          Phone #    \_\_\_\_\_    Date    \_\_\_\_\_  
  (Print Name)

Estimate Checked By          Kevin Bewsey          Phone #    \_\_\_\_\_    Date    \_\_\_\_\_  
  (Print Name)

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 1</u>	<u>No. 2</u>	<u>No. 3</u>	
Bridge Name	1-5	Aqueduct		
Structure Type	Undercrossing	Bridge	Canal Bridge	
Width (out to out)	CIP/PS BOX	CIP/PS BOX	CIP/PS BOX	
Span Lengths	78.00	78.00	78.00	
Total Area	155.00	250.00	162.00	
Footing Type (pile/spread)	12090.00	19500.00	12636.00	
Cost Per Square Foot	Pile	Pile	Pile	
Total Cost	\$ 200.00	250.00	200.00	
10% Mobilization	\$ 2,418,000.00	4,875,000.00	2,527,200.00	
20% Contingency	\$ 241,800.00	487,500.00	252,720.00	
Bridge Removal	\$ 483,600.00	975,000.00	505,440.00	
Total Cost for Structure	\$ 0.00	0.00	0.00	
Other	\$ 3,143,400.00	\$ 6,337,500.00	\$ 3,285,360.00	
	\$ 20,000,000.00	\$	\$	
		<b>SUBTOTAL STRUCTURES ITEMS</b>	<b>\$ 32,766,260</b>	
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ N/A	\$ N/A	\$ N/A	\$ 0
		<b>SUBTOTAL RAILROAD ITEMS</b>	<b>\$ 0</b>	
		<b>TOTAL STRUCTURES ITEMS</b>	<b>\$ 32,766,260</b>	

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	No. 4	No. 5	No. 6	
Bridge Name	SR33/UPRR	Irrigation	Irrigation	
Structure Type	Overcrossing	Bridge	Bridge	
Width (out to out)	CIP/PS BOX	RC Slab	RC Slab	
Span Lengths	78.00	116.00	116.00	
Total Area	238.00	20.00	20.00	
Footing Type (pile/spread)	18564.00	2320.00	2320.00	
Cost Per Square Foot	Pile	Spread	Spread	
Total Cost	\$ 150.00	250.00	250.00	
10% Mobilization	\$ 2,784,600.00	580,000.00	580,000.00	
20% Contingency	\$ 278,460.00	58,000.00	58,000.00	
Bridge Removal	\$ 556,920.00	116,000.00	116,000.00	
Total Cost for Structure	\$ 0.00	30,000.00	30,000.00	
Other	\$ 3,619,980.00	\$ 754,000.00	\$ 754,000.00	
	\$ 17,000,000.00			
		<b>SUBTOTAL STRUCTURES ITEMS</b>	<b>\$ 22,127,980</b>	
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ 0.00	\$ N/A	\$ N/A	\$ 0
		<b>SUBTOTAL RAILROAD ITEMS</b>	<b>\$ 0</b>	
		<b>TOTAL STRUCTURES ITEMS</b>	<b>\$ 22,127,980</b>	

COMMENTS: Assumed no track relocation or shoo fly at structure No. 4.

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.



**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**II. STRUCTURE ITEMS**

**STRUCTURE**

	<u>No. 7</u>	<u>No. 8</u>	<u>No. 9</u>
Bridge Name	Irrigation Bridge	Irrigation Bridge	San Joaquin River Bridge
Structure Type	RC Slab	RC Slab	1 - CIP/PS BOX
Width (out to out)	116.00	116.00	78.00
Span Lengths	20.00	20.00	950.00
Total Area	2320.00	2320.00	74100.00
Footing Type (pile/spread)	Spread	Spread	Pile
Cost Per Square Foot	\$ 250.00	\$ 250.00	\$ 100.00
Total Cost	\$ 580,000.00	\$ 580,000.00	\$ 7,410,000.00
10% Mobilization	\$ 58,000.00	\$ 58,000.00	\$ 741,000.00
20% Contingency	\$ 116,000.00	\$ 116,000.00	\$ 1,482,000.00
Bridge Removal	\$ 30,000.00	\$ 30,000.00	\$ 0.00
Total Cost for Structure	\$ 754,000.00	\$ 754,000.00	\$ 9,633,000.00
Other	\$ _____	\$ _____	\$ _____

**SUBTOTAL STRUCTURES ITEMS**    \$ 11,141,000  
(Sum of Total Cost for Structures)

Railroad Related Costs:    \$ N/A    \$ N/A    \$ 0.00    \$ 0

**SUBTOTAL RAILROAD ITEMS**    \$ 0

**TOTAL STRUCTURES ITEMS**    \$ 11,141,000

COMMENTS:

Estimate Prepared By    Dean Zurcher    Phone #    \_\_\_\_\_    Date    \_\_\_\_\_  
(Print Name)

NOTE: If appropriate, attach additional pages and backup.

## PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	N/A
EA	N/A

### II. STRUCTURE ITEMS

	STRUCTURE			
	No. 10	No. 11	No. 12	
Bridge Name	BNSF Railroad	Irrigation	Irrigation	
Structure Type	Grade Separation	Bridge	Bridge	
Width (out to out)	2 - CIP/PS BOX	RC Slab	RC Slab	
Span Lengths	39.00	116.00	116.00	
Total Area	280.00	20.00	20.00	
Footing Type (pile/spread)	10920.00	2320.00	2320.00	
Cost Per Square Foot	Pile	Spread	Spread	
Total Cost	\$ 200.00	250.00	250.00	
10% Mobilization	\$ 4,368,000.00	580,000.00	580,000.00	
20% Contingency	\$ 436,800.00	58,000.00	58,000.00	
Bridge Removal	\$ 873,600.00	116,000.00	116,000.00	
Total Cost for Structure	\$ 0.00	30,000.00	30,000.00	
Other	\$ 5,678,400.00	\$ 754,000.00	754,000.00	
	\$ 5,500,000.00	\$ _____	\$ _____	
<b>SUBTOTAL STRUCTURES ITEMS</b>				<b>\$ 12,686,400</b>
(Sum of Total Cost for Structures)				
Railroad Related Costs:	\$ N/A	\$ N/A	\$ 0.00	\$ 0
<b>SUBTOTAL RAILROAD ITEMS</b>				<b>\$ 0</b>
<b>TOTAL STRUCTURES ITEMS</b>				<b>\$ 12,686,400</b>

COMMENTS: Assumed no track relocation or shoo fly at structure No. 10.

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
(Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**III. RIGHT OF WAY**

	<u>Current Values (Future Use)</u>	<u>Escalation Rates</u>	<u>Escalated Values*</u>
Acquisition, including excess lands, and damages to remainder(s)	\$ <u>42,791,001</u>	\$ <u>10%</u>	\$ <u>47,070,101</u>
Utility Relocation (Agency share)	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Clearance/Demolition	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
RAP (Relocation Assistance Program)	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Title and Escrow Fees	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Contingency		\$ <u>25%</u>	\$ <u>11,767,525</u>
Total Current R/W	\$ <u>42,791,001</u>	Total Escalated R/W	\$ <u>58,837,626</u>
 CONSTRUCTION CONTRACT WORK	\$ _____	\$ <u>0</u>	\$ <u>0</u>

\* Anticipated Date of Right of Way Certification \_\_\_\_\_

COMMENTS: Right of Way costs were not developed at the feasibility phase.

Estimate Prepared By \_\_\_\_\_ Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

---

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE SUMMARY**

District-County-Route	<b>10-Sta-SCC</b>
Type of Estimate	<b>Feasibility</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>
Program Code	<b>N/A</b>

**PROJECT DESCRIPTION:**

**Limits:** Interstate 5 to State Route 99 in Stanislaus County

---

**Proposed Construction/Upgrade of Expressway, Bridge Structures, Interchanges, Drainage Facilities**  
**Improvement (Scope):** Road excavation, clearing and grubbing, AC, AB, culverts, sidewalk, curb, gutter, barriers, midwest guardrail systems, erosion control, traffic delineation and traffic control.

---

**Alternative:** 1E - Segments 2, 12, 16, 17, 18 and 30.

---

<b>ROADWAY ITEMS</b>	\$	<b>125,000,000</b>
<b>STRUCTURE ITEMS</b>	\$	<b>90,233,700</b>
<b>SUBTOTAL CONSTRUCTION</b>	\$	<b>215,233,700</b>
<b>RIGHT OF WAY</b>	\$	<b>57,399,495</b>
<b>TOTAL PROJECT</b>	\$	<b>272,633,200</b>

**Reviewed by**      Signature \_\_\_\_\_ Date \_\_\_\_\_

**Lead Roadway Engineer, Kevin Bewsey**

**Approved by**      Signature \_\_\_\_\_ Date \_\_\_\_\_

**Project Manager, Keith Rhodes**

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	N/A
EA	N/A

**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	308,071	CY	\$ 11.50	\$ 3,542,817	
Roadway Excavation (Intersection)	165,421	CY	\$ 11.50	\$ 1,902,342	
Develop Water Supply	1	LS	\$ 272,258	\$ 272,258	
Clearing & Grubbing	255	AC	\$ 10,000.00	\$ 2,550,000	
<b>Subtotal Earthwork</b>					<b>\$ 8,267,417</b>

**Section 2 Pavement Structural Section**

Hot Mix Asphalt	315,522	TON	\$ 75.00	\$ 23,664,150	
Aggregate Base	311,627	CY	\$ 37.00	\$ 11,530,199	
Geotextile Fabric	474,067	SY	\$ 2.00	\$ 948,133	
<b>Subtotal Pavement Structural Section</b>					<b>\$ 36,142,482</b>

**Section 3 Drainage**

Temporary Dam/Culvert	402	LF	\$ 75.00	\$ 30,150	
Ditch Excavation	34333	CY	\$ 11.50	\$ 394,830	
Project Drainage	75948	LF	\$ 106.00	\$ 8,050,488	
<b>Subtotal Drainage</b>					<b>\$ 8,475,468</b>

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	N/A
EA	N/A

<b><u>Section 4 Specialty Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Barrier/ Guardrail	640	LF	\$ 325.00	\$ 208,000	
Terminal End System	22	EA	\$ 2,250.00	\$ 49,500	
Transition System	22	LF	\$ 3,250.00	\$ 71,500	
Temporary Erosion Control	137	AC	\$ 4,356.00	\$ 597,184	
Permanent Erosion Control	137	AC	\$ 4,356.00	\$ 597,184	
				<b><u>Subtotal Specialty Items</u></b>	<b>\$ 1,523,368</b>

<b><u>Section 5 Traffic Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Traffic Delineation Items	106,640	LF	\$ 0.84	\$ 89,578	
Traffic Signals	8	EA	\$ 300,000.00	\$ 2,400,000	
Traffic Control Systems (New Alignment)	1	LS	\$ 16,000.00	\$ 16,000	
Traffic Control Systems (Exist Alignment)	1	LS	\$ 1,299,420.00	\$ 1,299,420	
				<b><u>Subtotal Traffic Items</u></b>	<b>\$ 3,804,998</b>
				<b>TOTAL SECTIONS 1 - 5</b>	<b>\$ 58,213,733</b>

<b><u>Section 6 Minor Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Sidewalk, Curb and Gutter	75,948	LF	\$ 48.00	\$ 3,645,504	
Planting and Irrigation	1	LS	\$ 2,920,000.00	\$ 2,920,000	
Roadside Management & Safety	1	LS	\$ 5,830,000.00	\$ 5,830,000	
Other Minor Items	1	LS	\$ 2,920,000.00	\$ 2,920,000	
				<b><u>Total Minor Items</u></b>	<b>\$ 15,315,504</b>

---

## PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

### **Section 7 Roadway Mobilization**

	<u>Item Cost</u>	<u>Section Cost</u>
(Subtotal Sections 1-6) \$ <u>73,529,237</u> x (10%) = \$ <u>7,352,924</u>		

**Total Roadway Mobilization** \$ 7,352,924

### **Section 8 Roadway Additions**

Supplemental Work  
(Subtotal Sections 1-6) \$ 73,529,237 x (10%) = \$ 7,352,924

Contingencies  
(Subtotal Sections 1-6) \$ 73,529,237 x (50%) = \$ 36,764,619

**Total Roadway Additions** \$ 44,117,543

**TOTAL ROADWAY ITEMS** 124,999,704  
(Total Sections 1 - 8)

Estimate Prepared By	<u>Dean Zurcher</u>	Phone #	<u></u>	Date	<u></u>
	(Print Name)				
Estimate Checked By	<u>Kevin Bewsey</u>	Phone #	<u></u>	Date	<u></u>
	(Print Name)				

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 1</u>	<u>No. 2</u>	<u>No. 3</u>	
Bridge Name	1-5	Aqueduct		
Structure Type	Undercrossing	Bridge	Canal Bridge	
Width (out to out)	CIP/PS BOX	CIP/PS BOX	CIP/PS BOX	
Span Lengths	78.00	78.00	78.00	
Total Area	155.00	250.00	162.00	
Footings Type (pile/spread)	12090.00	19500.00	12636.00	
Cost Per Square Foot	Pile	Pile	Pile	
Total Cost	\$ 200.00	250.00	200.00	
10% Mobilization	\$ 2,418,000.00	4,875,000.00	2,527,200.00	
20% Contingency	\$ 241,800.00	487,500.00	252,720.00	
Bridge Removal	\$ 483,600.00	975,000.00	505,440.00	
Total Cost for Structure	\$ 0.00	0.00	0.00	
Other	\$ 3,143,400.00	\$ 6,337,500.00	\$ 3,285,360.00	
	\$ 20,000,000.00	\$	\$	
		<b>SUBTOTAL STRUCTURES ITEMS</b>	<b>\$ 32,766,260</b>	
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ N/A	\$ N/A	\$ N/A	\$ 0
		<b>SUBTOTAL RAILROAD ITEMS</b>	<b>\$ 0</b>	
		<b>TOTAL STRUCTURES ITEMS</b>	<b>\$ 32,766,260</b>	

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.



**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**II. STRUCTURE ITEMS**

	<b>STRUCTURE</b>			
	<u>No. 4</u>	<u>No. 5</u>	<u>No. 6</u>	
Bridge Name	Creek	SR33/UPRR	Irrigation	
Structure Type	<u>Overcrossing</u>	<u>Overcrossing</u>	<u>Bridge</u>	
Width (out to out)	<u>RC Box</u>	<u>CIP/PS BOX</u>	<u>RC Slab</u>	
Span Lengths	<u>78.00</u>	<u>78.00</u>	<u>116.00</u>	
Total Area	<u>50.00</u>	<u>238.00</u>	<u>20.00</u>	
Footing Type (pile/spread)	<u>3900.00</u>	<u>18564.00</u>	<u>2320.00</u>	
Cost Per Square Foot	<u>Spread</u>	<u>Pile</u>	<u>Spread</u>	
Total Cost	\$ <u>150.00</u>	\$ <u>250.00</u>	\$ <u>100.00</u>	
10% Mobilization	\$ <u>585,000.00</u>	\$ <u>4,641,000.00</u>	\$ <u>232,000.00</u>	
20% Contingency	\$ <u>58,500.00</u>	\$ <u>464,100.00</u>	\$ <u>23,200.00</u>	
Bridge Removal	\$ <u>117,000.00</u>	\$ <u>928,200.00</u>	\$ <u>46,400.00</u>	
Total Cost for Structure	\$ <u>0.00</u>	\$ <u>0.00</u>	\$ <u>30,000.00</u>	
Other	\$ <u>760,500.00</u>	\$ <u>6,033,300.00</u>	\$ <u>301,600.00</u>	
	\$ <u>                    </u>	\$ <u>17,000,000.00</u>	\$ <u>                    </u>	
		<b>SUBTOTAL STRUCTURES ITEMS</b>	\$ <u>24,095,400</u>	
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ <u>0.00</u>	\$ <u>N/A</u>	\$ <u>N/A</u>	\$ <u>0</u>
		<b>SUBTOTAL RAILROAD ITEMS</b>	\$ <u>0</u>	
		<b>TOTAL STRUCTURES ITEMS</b>	\$ <u>24,095,400</u>	

COMMENTS: Assumed no track relocation or shoo fly at structure No. 4.

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
(Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**II. STRUCTURE ITEMS**

**STRUCTURE**

	<u>No. 7</u>	<u>No. 8</u>	<u>No. 9</u>
Bridge Name	Irrigation	Irrigation	Irrigation
Structure Type	Bridge	Bridge	Bridge
Structure Type	RC Slab	RC Slab	RC Slab
Width (out to out)	116.00	116.00	116.00
Span Lengths	20.00	20.00	20.00
Total Area	2320.00	2320.00	2320.00
Footing Type (pile/spread)	Spread	Spread	Spread
Cost Per Square Foot	\$ 100.00	\$ 100.00	\$ 100.00
Total Cost	\$ 232,000.00	\$ 232,000.00	\$ 232,000.00
10% Mobilization	\$ 23,200.00	\$ 23,200.00	\$ 23,200.00
20% Contingency	\$ 46,400.00	\$ 46,400.00	\$ 46,400.00
Bridge Removal	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00
Total Cost for Structure	\$ 301,600.00	\$ 301,600.00	\$ 301,600.00
Other	\$ _____	\$ _____	\$ _____

**SUBTOTAL STRUCTURES ITEMS**    \$ 904,800  
(Sum of Total Cost for Structures)

Railroad Related Costs:    \$ N/A    \$ N/A    \$ 0.00    \$ 0

**SUBTOTAL RAILROAD ITEMS**    \$ 0

**TOTAL STRUCTURES ITEMS**    \$ 904,800

COMMENTS:

Estimate Prepared By    Dean Zurcher    Phone #    \_\_\_\_\_    Date    \_\_\_\_\_  
(Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	<b>STRUCTURE</b>			
	<u>No. 10</u>	<u>No. 11</u>	<u>No. 12</u>	
Bridge Name	San Joaquin River Bridge	BNSF Railroad Grade Separation	Irrigation Bridge	
Structure Type	CIP/PS BOX	CIP/PS BOX	RC Slab	
Width (out to out)	78.00	78.00	116.00	
Span Lengths	950.00	280.00	20.00	
Total Area	74100.00	21840.00	2320.00	
Footing Type (pile/spread)	Pile	Pile	Spread	
Cost Per Square Foot	\$ 200.00	250.00	100.00	
Total Cost	\$ 14,820,000.00	5,460,000.00	232,000.00	
10% Mobilization	\$ 1,482,000.00	546,000.00	23,200.00	
20% Contingency	\$ 2,964,000.00	1,092,000.00	46,400.00	
Bridge Removal	\$ 0.00	0.00	30,000.00	
Total Cost for Structure	\$ 19,266,000.00	\$ 7,098,000.00	301,600.00	
Other	\$	\$ 5,500,000.00	\$	
	<b><u>SUBTOTAL STRUCTURES ITEMS</u></b>			<b>\$ 32,165,600</b>
	(Sum of Total Cost for Structures)			
Railroad Related Costs:	\$ N/A	\$ N/A	\$ 0.00	\$ 0
	<b><u>SUBTOTAL RAILROAD ITEMS</u></b>			<b>\$ 0</b>
	<b><u>TOTAL STRUCTURES ITEMS</u></b>			<b>\$ 32,165,600</b>

COMMENTS: Assumed no track relocation or shoo fly at structure No. 11.

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
(Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 13</u>	<u>No. 14</u>	<u>No. 15</u>	
	Irrigation			
Bridge Name	<u>Bridge</u>	<u>                    </u>	<u>                    </u>	
Structure Type	<u>RC Slab</u>	<u>                    </u>	<u>                    </u>	
Width (out to out)	<u>116.00</u>	<u>                    </u>	<u>                    </u>	
Span Lengths	<u>20.00</u>	<u>                    </u>	<u>                    </u>	
Total Area	<u>2320.00</u>	<u>                    </u>	<u>                    </u>	
Footing Type (pile/spread)	<u>Spread</u>	<u>                    </u>	<u>                    </u>	
Cost Per Square Foot	\$ <u>100.00</u>	<u>                    </u>	<u>                    </u>	
Total Cost	\$ <u>232,000.00</u>	<u>                    </u>	<u>                    </u>	
10% Mobilization	\$ <u>23,200.00</u>	<u>                    </u>	<u>                    </u>	
20% Contingency	\$ <u>46,400.00</u>	<u>                    </u>	<u>                    </u>	
Bridge Removal	\$ <u>30,000.00</u>	<u>                    </u>	<u>                    </u>	
Total Cost for Structure	\$ <u>301,600.00</u>	\$ <u>                    </u>	\$ <u>                    </u>	
Other	\$ <u>                    </u>	\$ <u>                    </u>	\$ <u>                    </u>	
	<b><u>SUBTOTAL STRUCTURES ITEMS</u></b>			\$ <u><b>301,600</b></u>
	(Sum of Total Cost for Structures)			
Railroad Related Costs:	\$ <u>N/A</u>	\$ <u>N/A</u>	\$ <u>0.00</u>	\$ <u><b>0</b></u>
	<b><u>SUBTOTAL RAILROAD ITEMS</u></b>			\$ <u><b>0</b></u>
	<b><u>TOTAL STRUCTURES ITEMS</u></b>			\$ <u><b>301,600</b></u>

COMMENTS:

Estimate Prepared By Dean Zurcher Phone #                      Date                       
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**III. RIGHT OF WAY**

	<u>Current Values (Future Use)</u>	<u>Escalation Rates</u>	<u>Escalated Values*</u>
Acquisition, including excess lands, and damages to remainder(s)	\$ <u>41,745,087</u>	\$ <u>10%</u>	\$ <u>45,919,596</u>
Utility Relocation (Agency share)	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Clearance/Demolition	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
RAP (Relocation Assistance Program)	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Title and Escrow Fees	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Contingency		\$ <u>25%</u>	\$ <u>11,479,899</u>
Total Current R/W	\$ <u>41,745,087</u>	Total Escalated R/W	\$ <u>57,399,495</u>
 CONSTRUCTION CONTRACT WORK	\$ _____	\$ <u>0</u>	\$ <u>0</u>

\* Anticipated Date of Right of Way Certification \_\_\_\_\_

COMMENTS: Right of Way costs were not developed at the feasibility phase.

Estimate Prepared By \_\_\_\_\_ Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

---

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE SUMMARY**

District-County-Route	<b>10-Sta-SCC</b>
Type of Estimate	<b>Feasibility</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>
Program Code	<b>N/A</b>

**PROJECT DESCRIPTION:**

**Limits:** Interstate 5 to State Route 99 in Stanislaus County

---

**Proposed Improvement (Scope):** Construction/Upgrade of Expressway, Bridge Structures, Interchanges, Drainage Facilities, Road excavation, clearing and grubbing, AC, AB, culverts, sidewalk, curb, gutter, barriers, midwest guardrail systems, erosion control, traffic delineation and traffic control.

---

**Alternative:** 1F - Segments 2, 12, 15, 16, 17 and 29.

---

<b>ROADWAY ITEMS</b>	<b>\$</b>	<b>126,756,000</b>
<b>STRUCTURE ITEMS</b>	<b>\$</b>	<b>90,233,700</b>
<b>SUBTOTAL CONSTRUCTION</b>	<b>\$</b>	<b>216,989,700</b>
<b>RIGHT OF WAY</b>	<b>\$</b>	<b>47,072,828</b>
<b>TOTAL PROJECT</b>	<b>\$</b>	<b>264,062,500</b>

**Reviewed by**      Signature \_\_\_\_\_ Date \_\_\_\_\_

**Lead Roadway Engineer, Kevin Bewsey**

**Approved by**      Signature \_\_\_\_\_ Date \_\_\_\_\_

**Project Manager, Keith Rhodes**

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**I. ROADWAY ITEMS**

<b><u>Section 1 Earthwork</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Roadway Excavation	313,011	CY	\$ 11.50	\$ 3,599,627	
Roadway Excavation (Intersection)	165,421	CY	\$ 11.50	\$ 1,902,342	
Develop Water Supply	1	LS	\$ 275,098	\$ 275,098	
Clearing & Grubbing	259	AC	\$ 10,000.00	\$ 2,590,000	
			\$	\$	
			<b>Subtotal Earthwork</b>	<b>\$</b>	<b>8,367,067</b>

<b><u>Section 2 Pavement Structural Section</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Hot Mix Asphalt	320,074	TON	\$ 75.00	\$ 24,005,550	
Aggregate Base	316,123	CY	\$ 37.00	\$ 11,696,551	
Geotextile Fabric	488,800	SY	\$ 2.00	\$ 977,600	
			<b>Subtotal Pavement Structural Section</b>	<b>\$</b>	<b>36,679,701</b>

<b><u>Section 3 Drainage</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Temporary Dam/Culvert	402	LF	\$ 75.00	\$ 30,150	
Ditch Excavation	34338	CY	\$ 11.50	\$ 394,887	
Project Drainage	79348	LF	\$ 106.00	\$ 8,410,888	
			<b>Subtotal Drainage</b>	<b>\$</b>	<b>8,835,925</b>

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	N/A
EA	N/A

<b><u>Section 4 Specialty Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Barrier/ Guardrail	680	LF	\$ 325.00	\$ 221,000	
Terminal End System	24	EA	\$ 2,250.00	\$ 54,000	
Transition System	24	LF	\$ 3,250.00	\$ 78,000	
Temporary Erosion Control	139	AC	\$ 4,356.00	\$ 606,760	
Permanent Erosion Control	139	AC	\$ 4,356.00	\$ 606,760	
<b><u>Subtotal Specialty Items</u></b>					<b>\$ 1,566,520</b>

<b><u>Section 5 Traffic Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Traffic Delineation Items	108,350	LF	\$ 0.84	\$ 91,014	
Traffic Signals	7	EA	\$ 300,000.00	\$ 2,100,000	
Traffic Control Systems (New Alignment)	1	LS	\$ 14,000.00	\$ 14,000	
Traffic Control Systems (Exist Alignment)	1	LS	\$ 1,299,620.00	\$ 1,299,620	
<b><u>Subtotal Traffic Items</u></b>					<b>\$ 3,504,634</b>
<b>TOTAL SECTIONS 1 - 5</b>					<b>\$ 58,953,847</b>

<b><u>Section 6 Minor Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Sidewalk, Curb and Gutter	79,348	LF	\$ 48.00	\$ 3,808,704	
Planting and Irrigation	1	LS	\$ 2,950,000.00	\$ 2,950,000	
Roadside Management & Safety	1	LS	\$ 5,900,000.00	\$ 5,900,000	
Other Minor Items	1	LS	\$ 2,950,000.00	\$ 2,950,000	
<b><u>Total Minor Items</u></b>					<b>\$ 15,608,704</b>



# PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

## **Section 7 Roadway Mobilization**

	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
(Subtotal Sections 1-6)    \$ <u>74,562,551</u> x (10%)    = \$ <u>7,456,255</u>		
	<b><u>Total Roadway Mobilization</u></b>	\$ <u>7,456,255</u>

## **Section 8 Roadway Additions**

Supplemental Work		
(Subtotal Sections 1-6)    \$ <u>74,562,551</u> x (10%)    = \$ <u>7,456,255</u>		
Contingencies		
(Subtotal Sections 1-6)    \$ <u>74,562,551</u> x (50%)    = \$ <u>37,281,276</u>		
	<b><u>Total Roadway Additions</u></b>	\$ <u>44,737,531</u>
<b>TOTAL ROADWAY ITEMS</b>		<u>126,756,337</u>
		(Total Sections 1 - 8)

Estimate Prepared By	<u>Dean Zurcher</u>	Phone # <u></u>	Date <u></u>
	(Print Name)		
Estimate Checked By	<u>Kevin Bewsey</u>	Phone # <u></u>	Date <u></u>
	(Print Name)		

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 1</u>	<u>No. 2</u>	<u>No. 3</u>	
Bridge Name	1-5	Aqueduct		
Structure Type	Undercrossing	Bridge	Canal Bridge	
Width (out to out)	CIP/PS BOX	CIP/PS BOX	CIP/PS BOX	
Span Lengths	78.00	78.00	78.00	
Total Area	155.00	250.00	162.00	
Footings Type (pile/spread)	12090.00	19500.00	12636.00	
Cost Per Square Foot	Pile	Pile	Pile	
Total Cost	\$ 200.00	250.00	200.00	
10% Mobilization	\$ 2,418,000.00	4,875,000.00	2,527,200.00	
20% Contingency	\$ 241,800.00	487,500.00	252,720.00	
Bridge Removal	\$ 483,600.00	975,000.00	505,440.00	
Total Cost for Structure	\$ 0.00	0.00	0.00	
Other	\$ 3,143,400.00	\$ 6,337,500.00	\$ 3,285,360.00	
	\$ 20,000,000.00	\$	\$	
		<b>SUBTOTAL STRUCTURES ITEMS</b>	<b>\$ 32,766,260</b>	
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ N/A	\$ N/A	\$ N/A	\$ 0
		<b>SUBTOTAL RAILROAD ITEMS</b>	<b>\$ 0</b>	
		<b>TOTAL STRUCTURES ITEMS</b>	<b>\$ 32,766,260</b>	

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**II. STRUCTURE ITEMS**

	<u>STRUCTURE</u>			
	<u>No. 4</u>	<u>No. 5</u>	<u>No. 6</u>	
Bridge Name	Creek	SR33/UPRR	Irrigation	
Structure Type	<u>Overcrossing</u>	<u>Overcrossing</u>	<u>Bridge</u>	
Width (out to out)	<u>RC Box</u>	<u>CIP/PS BOX</u>	<u>RC Slab</u>	
Span Lengths	<u>78.00</u>	<u>78.00</u>	<u>116.00</u>	
Total Area	<u>50.00</u>	<u>238.00</u>	<u>20.00</u>	
Footing Type (pile/spread)	<u>3900.00</u>	<u>18564.00</u>	<u>2320.00</u>	
Cost Per Square Foot	<u>Spread</u>	<u>Pile</u>	<u>Spread</u>	
Total Cost	\$ <u>150.00</u>	\$ <u>250.00</u>	\$ <u>100.00</u>	
10% Mobilization	\$ <u>585,000.00</u>	\$ <u>4,641,000.00</u>	\$ <u>232,000.00</u>	
20% Contingency	\$ <u>58,500.00</u>	\$ <u>464,100.00</u>	\$ <u>23,200.00</u>	
Bridge Removal	\$ <u>117,000.00</u>	\$ <u>928,200.00</u>	\$ <u>46,400.00</u>	
Total Cost for Structure	\$ <u>0.00</u>	\$ <u>0.00</u>	\$ <u>30,000.00</u>	
Other	\$ <u>760,500.00</u>	\$ <u>6,033,300.00</u>	\$ <u>301,600.00</u>	
	\$ <u>17,000,000.00</u>			
		<b><u>SUBTOTAL STRUCTURES ITEMS</u></b>	\$ <u><b>24,095,400</b></u>	
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ <u>0.00</u>	\$ <u>N/A</u>	\$ <u>N/A</u>	\$ <u><b>0</b></u>
		<b><u>SUBTOTAL RAILROAD ITEMS</u></b>	\$ <u><b>0</b></u>	
		<b><u>TOTAL STRUCTURES ITEMS</u></b>	\$ <u><b>24,095,400</b></u>	

COMMENTS: Assumed no track relocation or shoo fly at structure No. 4.

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 7</u>	<u>No. 8</u>	<u>No. 9</u>	
Bridge Name	Irrigation Bridge	Irrigation Bridge	Irrigation Bridge	
Structure Type	RC Slab	RC Slab	RC Slab	
Width (out to out)	116.00	116.00	116.00	
Span Lengths	20.00	20.00	20.00	
Total Area	2320.00	2320.00	2320.00	
Footing Type (pile/spread)	Spread	Spread	Spread	
Cost Per Square Foot	\$ 100.00	\$ 100.00	\$ 100.00	
Total Cost	\$ 232,000.00	\$ 232,000.00	\$ 232,000.00	
10% Mobilization	\$ 23,200.00	\$ 23,200.00	\$ 23,200.00	
20% Contingency	\$ 46,400.00	\$ 46,400.00	\$ 46,400.00	
Bridge Removal	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00	
Total Cost for Structure	\$ 301,600.00	\$ 301,600.00	\$ 301,600.00	
Other	\$ _____	\$ _____	\$ _____	
	<b>SUBTOTAL STRUCTURES ITEMS</b>			\$ <b>904,800</b>
	(Sum of Total Cost for Structures)			
Railroad Related Costs:	\$ N/A	\$ N/A	\$ 0.00	\$ <b>0</b>
	<b>SUBTOTAL RAILROAD ITEMS</b>			\$ <b>0</b>
	<b>TOTAL STRUCTURES ITEMS</b>			\$ <b>904,800</b>

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	<b>STRUCTURE</b>			
	<u>No. 10</u>	<u>No. 11</u>	<u>No. 12</u>	
Bridge Name	San Joaquin River Bridge	BNSF Railroad Grade Separation	Irrigation Bridge	
Structure Type	CIP/PS BOX	CIP/PS BOX	RC Slab	
Width (out to out)	78.00	78.00	116.00	
Span Lengths	950.00	280.00	20.00	
Total Area	74100.00	21840.00	2320.00	
Footing Type (pile/spread)	Pile	Pile	Spread	
Cost Per Square Foot	\$ 200.00	250.00	100.00	
Total Cost	\$ 14,820,000.00	5,460,000.00	232,000.00	
10% Mobilization	\$ 1,482,000.00	546,000.00	23,200.00	
20% Contingency	\$ 2,964,000.00	1,092,000.00	46,400.00	
Bridge Removal	\$ 0.00	0.00	30,000.00	
Total Cost for Structure	\$ 19,266,000.00	\$ 7,098,000.00	301,600.00	
Other	\$ _____	\$ 5,500,000.00	\$ _____	
		<b><u>SUBTOTAL STRUCTURES ITEMS</u></b>	<b>\$ 32,165,600</b>	
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ N/A	\$ N/A	\$ 0.00	\$ 0
		<b><u>SUBTOTAL RAILROAD ITEMS</u></b>	<b>\$ 0</b>	
		<b><u>TOTAL STRUCTURES ITEMS</u></b>	<b>\$ 32,165,600</b>	

COMMENTS: Assumed no track relocation or shoo fly at structure No. 11.

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 13</u>	<u>No. 14</u>	<u>No. 15</u>	
	Irrigation			
Bridge Name	Bridge	_____	_____	
Structure Type	RC Slab	_____	_____	
Width (out to out)	116.00	_____	_____	
Span Lengths	20.00	_____	_____	
Total Area	2320.00	_____	_____	
Footing Type (pile/spread)	Spread	_____	_____	
Cost Per Square Foot	\$ 100.00	_____	_____	
Total Cost	\$ 232,000.00	_____	_____	
10% Mobilization	\$ 23,200.00	_____	_____	
20% Contingency	\$ 46,400.00	_____	_____	
Bridge Removal	\$ 30,000.00	_____	_____	
Total Cost for Structure	\$ 301,600.00	\$ _____	\$ _____	
Other	\$ _____	\$ _____	\$ _____	
	<b><u>SUBTOTAL STRUCTURES ITEMS</u></b>			<b>\$ 301,600</b>
	(Sum of Total Cost for Structures)			
Railroad Related Costs:	\$ N/A	\$ N/A	\$ 0.00	\$ 0
	<b><u>SUBTOTAL RAILROAD ITEMS</u></b>			<b>\$ 0</b>
	<b><u>TOTAL STRUCTURES ITEMS</u></b>			<b>\$ 301,600</b>

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**III. RIGHT OF WAY**

	<u>Current Values (Future Use)</u>	<u>Escalation Rates</u>	<u>Escalated Values*</u>
Acquisition, including excess lands, and damages to remainder(s)	\$ <u>42,793,480</u>	\$ <u>10%</u>	\$ <u>47,072,828</u>
Utility Relocation (Agency share)	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Clearance/Demolition	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
RAP (Relocation Assistance Program)	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Title and Escrow Fees	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Contingency		\$ <u>25%</u>	\$ <u>11,768,207</u>
Total Current R/W	\$ <u>42,793,480</u>	Total Escalated R/W	\$ <u>58,841,035</u>
 CONSTRUCTION CONTRACT WORK	\$ _____	\$ <u>0</u>	\$ <u>0</u>

\* Anticipated Date of Right of Way Certification \_\_\_\_\_

COMMENTS: Right of Way costs were not developed at the feasibility phase.

Estimate Prepared By \_\_\_\_\_ Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

---

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE SUMMARY**

District-County-Route	<b>10-Sta-SCC</b>
Type of Estimate	<b>Feasibility</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>
Program Code	<b>N/A</b>

**PROJECT DESCRIPTION:**

**Limits:** Interstate 5 to State Route 99 in Stanislaus County

---

**Proposed Construction/Upgrade of Expressway, Bridge Structures, Interchanges, Drainage Facilities**  
**Improvement (Scope):** Road excavation, clearing and grubbing, AC, AB, culverts, sidewalk, curb, gutter, barriers, midwest guardrail systems, erosion control, traffic delineation and traffic control.

---

**Alternative:** 2A - Segments 1, 3, 11, 14, 15 and 16.

---

<b>ROADWAY ITEMS</b>	<b>\$</b>	<b>123,965,000</b>
<b>STRUCTURE ITEMS</b>	<b>\$</b>	<b>97,331,700</b>
<b>SUBTOTAL CONSTRUCTION</b>	<b>\$</b>	<b>221,296,700</b>
<b>RIGHT OF WAY</b>	<b>\$</b>	<b>47,091,793</b>
<b>TOTAL PROJECT</b>	<b>\$</b>	<b>268,388,500</b>

**Reviewed by**      Signature \_\_\_\_\_ Date \_\_\_\_\_

**Lead Roadway Engineer, Kevin Bewsey**

**Approved by**      Signature \_\_\_\_\_ Date \_\_\_\_\_

**Project Manager, Keith Rhodes**



**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**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	306,367	CY	\$ 11.50	\$ 3,523,221	
Roadway Excavation (Intersection)	165,421	CY	\$ 11.50	\$ 1,902,342	
Develop Water Supply	1	LS	\$ 271,278	\$ 271,278	
Clearing & Grubbing	254	AC	\$ 10,000.00	\$ 2,540,000	
					<b>Subtotal Earthwork</b>
					\$ <b>8,236,841</b>

<u>Section 2 Pavement Structural Section</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Hot Mix Asphalt	313,347	TON	\$ 75.00	\$ 23,501,025	
Aggregate Base	309,478	CY	\$ 37.00	\$ 11,450,686	
Geotextile Fabric	379,253	SY	\$ 2.00	\$ 758,507	
					<b>Subtotal Pavement Structural Section</b>
					\$ <b>35,710,218</b>

<u>Section 3 Drainage</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Temporary Dam/Culvert	402	LF	\$ 75.00	\$ 30,150	
Ditch Excavation	34201	CY	\$ 11.50	\$ 393,312	
Project Drainage	75296	LF	\$ 106.00	\$ 7,981,376	
					<b>Subtotal Drainage</b>
					\$ <b>8,404,838</b>

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	N/A
EA	N/A

<u>Section 4 Specialty Items</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Barrier/ Guardrail	600	LF	\$ 325.00	\$ 195,000	
Terminal End System	22	EA	\$ 2,250.00	\$ 49,500	
Transition System	22	LF	\$ 3,250.00	\$ 71,500	
Temporary Erosion Control	136	AC	\$ 4,356.00	\$ 593,880	
Permanent Erosion Control	136	AC	\$ 4,356.00	\$ 593,880	
			<b>Subtotal Specialty Items</b>	\$	<b>1,503,760</b>

<u>Section 5 Traffic Items</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Traffic Delineation Items	106,050	LF	\$ 0.84	\$ 89,082	
Traffic Signals	7	EA	\$ 300,000.00	\$ 2,100,000	
Traffic Control Systems (New Alignment)	1	LS	\$ 14,000.00	\$ 14,000	
Traffic Control Systems (Exist Alignment)	1	LS	\$ 1,687,840.00	\$ 1,687,840	
			<b>Subtotal Traffic Items</b>	\$	<b>3,890,922</b>
			<b>TOTAL SECTIONS 1 - 5</b>	\$	<b>57,746,579</b>

<u>Section 6 Minor Items</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Sidewalk, Curb and Gutter	75,296	LF	\$ 48.00	\$ 3,614,208	
Planting and Irrigation	1	LS	\$ 2,890,000.00	\$ 2,890,000	
Roadside Management & Safety	1	LS	\$ 5,780,000.00	\$ 5,780,000	
Other Minor Items	1	LS	\$ 2,890,000.00	\$ 2,890,000	
			<b>Total Minor Items</b>	\$	<b>15,174,208</b>

---

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	N/A
EA	N/A

**Section 7 Roadway Mobilization**

**Item Cost**

**Section Cost**

(Subtotal Sections 1-6) \$ 72,920,787 x (10%) = \$ 7,292,079

**Total Roadway Mobilization** \$ 7,292,079

**Section 8 Roadway Additions**

Supplemental Work

(Subtotal Sections 1-6) \$ 72,920,787 x (10%) = \$ 7,292,079

Contingencies

(Subtotal Sections 1-6) \$ 72,920,787 x (50%) = \$ 36,460,394

**Total Roadway Additions** \$ 43,752,473

**TOTAL ROADWAY ITEMS**

**123,965,339**  
**(Total Sections 1 - 8)**

Estimate Prepared By	<u>Dean Zurcher</u>	Phone #	_____	Date	_____
	(Print Name)				
Estimate Checked By	<u>Kevin Bewsey</u>	Phone #	_____	Date	_____
	(Print Name)				

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 1</u>	<u>No. 2</u>	<u>No. 3</u>	
Bridge Name	1-5	Aqueduct		
Structure Type	Undercrossing	Bridge	Canal Bridge	
Width (out to out)	CIP/PS BOX	CIP/PS BOX	CIP/PS BOX	
Span Lengths	78.00	78.00	78.00	
Total Area	155.00	250.00	162.00	
Footings Type (pile/spread)	12090.00	19500.00	12636.00	
Cost Per Square Foot	Pile	Pile	Pile	
Total Cost	\$ 200.00	250.00	200.00	
10% Mobilization	\$ 2,418,000.00	4,875,000.00	2,527,200.00	
20% Contingency	\$ 241,800.00	487,500.00	252,720.00	
Bridge Removal	\$ 483,600.00	975,000.00	505,440.00	
Total Cost for Structure	\$ 0.00	0.00	0.00	
Other	\$ 3,143,400.00	\$ 6,337,500.00	\$ 3,285,360.00	
	\$ 20,000,000.00	\$	\$	
		<b>SUBTOTAL STRUCTURES ITEMS</b>	<b>\$ 32,766,260</b>	
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ N/A	\$ N/A	\$ N/A	\$ 0
		<b>SUBTOTAL RAILROAD ITEMS</b>	<b>\$ 0</b>	
		<b>TOTAL STRUCTURES ITEMS</b>	<b>\$ 32,766,260</b>	

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	No. 4	No. 5	No. 6	
Bridge Name	SR33/UPRR	Irrigation	Irrigation	
Structure Type	Overcrossing	Bridge	Bridge	
Width (out to out)	CIP/PS BOX	RC Slab	RC Slab	
Span Lengths	78.00	116.00	116.00	
Total Area	238.00	20.00	20.00	
Footing Type (pile/spread)	18564.00	2320.00	2320.00	
Cost Per Square Foot	Pile	Spread	Spread	
Total Cost	\$ 250.00	100.00	100.00	
10% Mobilization	\$ 4,641,000.00	232,000.00	232,000.00	
20% Contingency	\$ 464,100.00	23,200.00	23,200.00	
Bridge Removal	\$ 928,200.00	46,400.00	46,400.00	
Total Cost for Structure	\$ 0.00	30,000.00	30,000.00	
Other	\$ 6,033,300.00	\$ 301,600.00	\$ 301,600.00	
	\$ 17,000,000.00	\$	\$	
		<b>SUBTOTAL STRUCTURES ITEMS</b>	<b>\$ 23,636,500</b>	
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ 0.00	\$ N/A	\$ N/A	\$ 0
		<b>SUBTOTAL RAILROAD ITEMS</b>	<b>\$ 0</b>	
		<b>TOTAL STRUCTURES ITEMS</b>	<b>\$ 23,636,500</b>	

COMMENTS: Assumed no track relocation or shoo fly at structure No. 4.

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**II. STRUCTURE ITEMS**

**STRUCTURE**

	<u>No. 7</u>	<u>No. 8</u>	<u>No. 9</u>
Bridge Name	Irrigation	Irrigation	Old Las Palmas
Structure Type	Bridge	Bridge	Canal
Structure Type	RC Slab	RC Slab	RC Box
Width (out to out)	116.00	116.00	78.00
Span Lengths	20.00	20.00	80.00
Total Area	2320.00	2320.00	6240.00
Footing Type (pile/spread)	Spread	Spread	Pile
Cost Per Square Foot	\$ 100.00	\$ 100.00	\$ 200.00
Total Cost	\$ 232,000.00	\$ 232,000.00	\$ 1,248,000.00
10% Mobilization	\$ 23,200.00	\$ 23,200.00	\$ 124,800.00
20% Contingency	\$ 46,400.00	\$ 46,400.00	\$ 249,600.00
Bridge Removal	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00
Total Cost for Structure	\$ 301,600.00	\$ 301,600.00	\$ 1,622,400.00
Other	\$ _____	\$ _____	\$ _____

**SUBTOTAL STRUCTURES ITEMS**    \$ 2,225,600  
(Sum of Total Cost for Structures)

Railroad Related Costs:    \$ N/A    \$ N/A    \$ 0.00    \$ 0

**SUBTOTAL RAILROAD ITEMS**    \$ 0

**TOTAL STRUCTURES ITEMS**    \$ 2,225,600

COMMENTS:

Estimate Prepared By    Dean Zurcher    Phone # \_\_\_\_\_    Date \_\_\_\_\_  
(Print Name)

NOTE: If appropriate, attach additional pages and backup.

---

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	<u>STRUCTURE</u>			
	<u>No. 10</u>	<u>No. 11</u>	<u>No. 12</u>	
Bridge Name	Las Palmas	BNSF Railroad	Irrigation	
Structure Type	Bridge	Grade	Bridge	
Width (out to out)	CIP/PS BOX	CIP/PS BOX	RC Slab	
Span Lengths	78.00	78.00	116.00	
Total Area	950.00	280.00	20.00	
Footings Type (pile/spread)	74100.00	21840.00	2320.00	
Cost Per Square Foot	Pile	Pile	Spread	
Total Cost	\$ 250.00	300.00	100.00	
10% Mobilization	\$ 18,525,000.00	6,552,000.00	232,000.00	
20% Contingency	\$ 1,852,500.00	655,200.00	23,200.00	
Bridge Removal	\$ 3,705,000.00	1,310,400.00	46,400.00	
Total Cost for Structure	\$ 60,000.00	0.00	30,000.00	
Other	\$ 24,082,500.00	\$ 8,517,600.00	\$ 301,600.00	
	\$ 5,500,000.00			
<b><u>SUBTOTAL STRUCTURES ITEMS</u></b>				\$ <b>38,401,700</b>
(Sum of Total Cost for Structures)				
Railroad Related Costs:	\$ N/A	\$ N/A	\$ 0.00	\$ <b>0</b>
<b><u>SUBTOTAL RAILROAD ITEMS</u></b>				\$ <b>0</b>
<b><u>TOTAL STRUCTURES ITEMS</u></b>				\$ <b>38,401,700</b>

COMMENTS: Assumed no track relocation or shoo fly at structure No. 11.

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
(Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 13</u>	<u>No. 14</u>	<u>No. 15</u>	
	Irrigation			
Bridge Name	Bridge	_____	_____	
Structure Type	RC Slab	_____	_____	
Width (out to out)	116.00	_____	_____	
Span Lengths	20.00	_____	_____	
Total Area	2320.00	_____	_____	
Footing Type (pile/spread)	Spread	_____	_____	
Cost Per Square Foot	\$ 100.00	_____	_____	
Total Cost	\$ 232,000.00	_____	_____	
10% Mobilization	\$ 23,200.00	_____	_____	
20% Contingency	\$ 46,400.00	_____	_____	
Bridge Removal	\$ 30,000.00	_____	_____	
Total Cost for Structure	\$ 301,600.00	\$ _____	\$ _____	
Other	\$ _____	\$ _____	\$ _____	
	<b><u>SUBTOTAL STRUCTURES ITEMS</u></b>			<b>\$ 301,600</b>
	(Sum of Total Cost for Structures)			
Railroad Related Costs:	\$ N/A	\$ N/A	\$ 0.00	\$ 0
	<b><u>SUBTOTAL RAILROAD ITEMS</u></b>			<b>\$ 0</b>
	<b><u>TOTAL STRUCTURES ITEMS</u></b>			<b>\$ 301,600</b>

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.



**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**III. RIGHT OF WAY**

	<u>Current Values (Future Use)</u>	<u>Escalation Rates</u>	<u>Escalated Values*</u>
Acquisition, including excess lands, and damages to remainder(s)	\$ <u>34,248,577</u>	\$ <u>10%</u>	\$ <u>37,673,434</u>
Utility Relocation (Agency share)	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Clearance/Demolition	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
RAP (Relocation Assistance Program)	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Title and Escrow Fees	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Contingency		\$ <u>25%</u>	\$ <u>9,418,359</u>
Total Current R/W	\$ <u>34,248,577</u>	Total Escalated R/W	\$ <u>47,091,793</u>
 CONSTRUCTION CONTRACT WORK	\$ _____	\$ <u>0</u>	\$ <u>0</u>

\* Anticipated Date of Right of Way Certification \_\_\_\_\_

COMMENTS: Right of Way costs were not developed at the feasibility phase.

Estimate Prepared By \_\_\_\_\_ Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

---

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE SUMMARY**

District-County-Route	<b>10-Sta-SCC</b>
Type of Estimate	<b>Feasibility</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>
Program Code	<b>N/A</b>

**PROJECT DESCRIPTION:**

**Limits:** Interstate 5 to State Route 99 in Stanislaus County

---

**Proposed Construction/Upgrade of Expressway, Bridge Structures, Interchanges, Drainage Facilities**  
**Improvement (Scope):** Road excavation, clearing and grubbing, AC, AB, culverts, sidewalk, curb, gutter, barriers, midwest guardrail systems, erosion control, traffic delineation and traffic control.

---

**Alternative:** 2D - Segments 2, 3, 11, 14, 15 and 16.

---

<b>ROADWAY ITEMS</b>	<b>\$</b>	<b>126,484,000</b>
<b>STRUCTURE ITEMS</b>	<b>\$</b>	<b>98,092,200</b>
<b>SUBTOTAL CONSTRUCTION</b>	<b>\$</b>	<b>224,576,200</b>
<b>RIGHT OF WAY</b>	<b>\$</b>	<b>48,529,924</b>
<b>TOTAL PROJECT</b>	<b>\$</b>	<b>273,106,100</b>

**Reviewed by**      Signature \_\_\_\_\_ Date \_\_\_\_\_

**Lead Roadway Engineer, Kevin Bewsey**

**Approved by**      Signature \_\_\_\_\_ Date \_\_\_\_\_

**Project Manager, Keith Rhodes**

## PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE

District-County-Route	<u><b>10-Sta-SCC</b></u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

### I. ROADWAY ITEMS

#### **Section 1 Earthwork**

<b><u>Section 1 Earthwork</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Roadway Excavation	311,278	CY	\$ 11.50	\$ 3,579,697	
Roadway Excavation (Intersection)	165,421	CY	\$ 11.50	\$ 1,902,342	
Develop Water Supply	1	LS	\$ 274,102	\$ 274,102	
Clearing & Grubbing	258	AC	\$ 10,000.00	\$ 2,580,000	
				\$	
				<b><u>Subtotal Earthwork</u></b>	<b><u>\$ 8,336,141</u></b>

#### **Section 2 Pavement Structural Section**

Hot Mix Asphalt	318,319	TON	\$ 75.00	\$ 23,873,925	
Aggregate Base	314,389	CY	\$ 37.00	\$ 11,632,393	
Geotextile Fabric	393,987	SY	\$ 2.00	\$ 787,973	
				<b><u>Subtotal Pavement Structural Section</u></b>	<b><u>\$ 36,294,291</u></b>

#### **Section 3 Drainage**

Temporary Dam/Culvert	402	LF	\$ 75.00	\$ 30,150	
Ditch Excavation	34201	CY	\$ 11.50	\$ 393,312	
Project Drainage	78696	LF	\$ 106.00	\$ 8,341,776	
				<b><u>Subtotal Drainage</u></b>	<b><u>\$ 8,765,238</u></b>

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	N/A
EA	N/A

<b><u>Section 4 Specialty Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Barrier/ Guardrail	640	LF	\$ 325.00	\$ 208,000	
Terminal End System	24	EA	\$ 2,250.00	\$ 54,000	
Transition System	24	LF	\$ 3,250.00	\$ 78,000	
Temporary Erosion Control	139	AC	\$ 4,356.00	\$ 603,400	
Permanent Erosion Control	139	AC	\$ 4,356.00	\$ 603,400	
				<b><u>Subtotal Specialty Items</u></b>	<b>\$ 1,546,800</b>

<b><u>Section 5 Traffic Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Traffic Delineation Items	107,750	LF	\$ 0.84	\$ 90,510	
Traffic Signals	7	EA	\$ 300,000.00	\$ 2,100,000	
Traffic Control Systems (New Alignment)	1	LS	\$ 14,000.00	\$ 14,000	
Traffic Control Systems (Exist Alignment)	1	LS	\$ 1,687,840.00	\$ 1,687,840	
				<b><u>Subtotal Traffic Items</u></b>	<b>\$ 3,892,350</b>
				<b>TOTAL SECTIONS 1 - 5</b>	<b>\$ 58,834,820</b>

<b><u>Section 6 Minor Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Sidewalk, Curb and Gutter	78,696	LF	\$ 48.00	\$ 3,777,408	
Planting and Irrigation	1	LS	\$ 2,950,000.00	\$ 2,950,000	
Roadside Management & Safety	1	LS	\$ 5,890,000.00	\$ 5,890,000	
Other Minor Items	1	LS	\$ 2,950,000.00	\$ 2,950,000	
				<b><u>Total Minor Items</u></b>	<b>\$ 15,567,408</b>

---

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**Section 7 Roadway Mobilization**

	<u>Item Cost</u>	<u>Section Cost</u>
(Subtotal Sections 1-6)    \$	74,402,228    x    (10%)    =    \$	7,440,223

**Total Roadway Mobilization**    \$    7,440,223

**Section 8 Roadway Additions**

Supplemental Work  
(Subtotal Sections 1-6)    \$    74,402,228    x    (10%)    =    \$    7,440,223

Contingencies  
(Subtotal Sections 1-6)    \$    74,402,228    x    (50%)    =    \$    37,201,114

**Total Roadway Additions**    \$    44,641,337

**TOTAL ROADWAY ITEMS**    126,483,788  
(Total Sections 1 - 8)

Estimate Prepared By	<u>Dean Zurcher</u> (Print Name)	Phone #	_____	Date	_____
Estimate Checked By	<u>Kevin Bewsey</u> (Print Name)	Phone #	_____	Date	_____

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 1</u>	<u>No. 2</u>	<u>No. 3</u>	
Bridge Name	1-5	Aqueduct		
Structure Type	Undercrossing	Bridge	Canal Bridge	
Width (out to out)	CIP/PS BOX	CIP/PS BOX	CIP/PS BOX	
Span Lengths	78.00	78.00	78.00	
Total Area	155.00	250.00	162.00	
Footings Type (pile/spread)	12090.00	19500.00	12636.00	
Cost Per Square Foot	Pile	Pile	Pile	
Total Cost	\$ 200.00	250.00	200.00	
10% Mobilization	\$ 2,418,000.00	4,875,000.00	2,527,200.00	
20% Contingency	\$ 241,800.00	487,500.00	252,720.00	
Bridge Removal	\$ 483,600.00	975,000.00	505,440.00	
Total Cost for Structure	\$ 0.00	0.00	0.00	
Other	\$ 3,143,400.00	\$ 6,337,500.00	\$ 3,285,360.00	
	\$ 20,000,000.00	\$	\$	
		<b>SUBTOTAL STRUCTURES ITEMS</b>	<b>\$ 32,766,260</b>	
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ N/A	\$ N/A	\$ N/A	\$ 0
		<b>SUBTOTAL RAILROAD ITEMS</b>	<b>\$ 0</b>	
		<b>TOTAL STRUCTURES ITEMS</b>	<b>\$ 32,766,260</b>	

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

## PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

### II. STRUCTURE ITEMS

STRUCTURE				
	<u>No. 4</u>	<u>No. 5</u>	<u>No. 6</u>	
Bridge Name	Creek	SR33/UPRR	Irrigation	
Structure Type	Overcrossing	Overcrossing	Bridge	
Width (out to out)	<u>RC Box</u>	<u>CIP/PS BOX</u>	<u>RC Slab</u>	
Span Lengths	<u>78.00</u>	<u>78.00</u>	<u>116.00</u>	
Total Area	<u>50.00</u>	<u>238.00</u>	<u>20.00</u>	
Footings Type (pile/spread)	<u>3900.00</u>	<u>18564.00</u>	<u>2320.00</u>	
Cost Per Square Foot	<u>Spread</u>	<u>Pile</u>	<u>Spread</u>	
Total Cost	\$ <u>150.00</u>	\$ <u>250.00</u>	\$ <u>100.00</u>	
10% Mobilization	\$ <u>585,000.00</u>	\$ <u>4,641,000.00</u>	\$ <u>232,000.00</u>	
20% Contingency	\$ <u>58,500.00</u>	\$ <u>464,100.00</u>	\$ <u>23,200.00</u>	
Bridge Removal	\$ <u>117,000.00</u>	\$ <u>928,200.00</u>	\$ <u>46,400.00</u>	
Total Cost for Structure	\$ <u>0.00</u>	\$ <u>0.00</u>	\$ <u>30,000.00</u>	
Other	\$ <u>760,500.00</u>	\$ <u>6,033,300.00</u>	\$ <u>301,600.00</u>	
	\$ _____	\$ <u>17,000,000.00</u>	\$ _____	
<b><u>SUBTOTAL STRUCTURES ITEMS</u></b>				\$ <u>24,095,400</u>
(Sum of Total Cost for Structures)				
Railroad Related Costs:	\$ <u>0.00</u>	\$ <u>N/A</u>	\$ <u>N/A</u>	\$ <u>0</u>
<b><u>SUBTOTAL RAILROAD ITEMS</u></b>				\$ <u>0</u>
<b><u>TOTAL STRUCTURES ITEMS</u></b>				\$ <u>24,095,400</u>

COMMENTS: Assumed no track relocation or shoo fly at structure No. 4.

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 7</u>	<u>No. 8</u>	<u>No. 9</u>	
Bridge Name	Irrigation Bridge	Irrigation Bridge	Irrigation Bridge	
Structure Type	RC Slab	RC Slab	RC Slab	
Width (out to out)	116.00	116.00	116.00	
Span Lengths	20.00	20.00	20.00	
Total Area	2320.00	2320.00	2320.00	
Footing Type (pile/spread)	Spread	Spread	Spread	
Cost Per Square Foot	\$ 100.00	\$ 100.00	\$ 100.00	
Total Cost	\$ 232,000.00	\$ 232,000.00	\$ 232,000.00	
10% Mobilization	\$ 23,200.00	\$ 23,200.00	\$ 23,200.00	
20% Contingency	\$ 46,400.00	\$ 46,400.00	\$ 46,400.00	
Bridge Removal	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00	
Total Cost for Structure	\$ 301,600.00	\$ 301,600.00	\$ 301,600.00	
Other	\$ _____	\$ _____	\$ _____	
	<b>SUBTOTAL STRUCTURES ITEMS</b>			\$ <b>904,800</b>
	(Sum of Total Cost for Structures)			
Railroad Related Costs:	\$ N/A	\$ N/A	\$ 0.00	\$ <b>0</b>
	<b>SUBTOTAL RAILROAD ITEMS</b>			\$ <b>0</b>
	<b>TOTAL STRUCTURES ITEMS</b>			\$ <b>904,800</b>

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.



**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	<b>STRUCTURE</b>			
	<u>No. 10</u>	<u>No. 11</u>	<u>No. 12</u>	
Bridge Name	Old Las Palmas Canal	Las Palmas Bridge	BNSF Railroad Grade Separation	
Structure Type	RC Box	CIP/PS BOX	CIP/PS BOX	
Width (out to out)	78.00	78.00	78.00	
Span Lengths	80.00	950.00	280.00	
Total Area	6240.00	74100.00	21840.00	
Footing Type (pile/spread)	Pile	Pile	Pile	
Cost Per Square Foot	\$ 200.00	250.00	300.00	
Total Cost	\$ 1,248,000.00	18,525,000.00	6,552,000.00	
10% Mobilization	\$ 124,800.00	1,852,500.00	655,200.00	
20% Contingency	\$ 249,600.00	3,705,000.00	1,310,400.00	
Bridge Removal	\$ 30,000.00	60,000.00	0.00	
Total Cost for Structure	\$ 1,622,400.00	\$ 24,082,500.00	\$ 8,517,600.00	
Other	\$	\$	\$ 5,500,000.00	
		<b><u>SUBTOTAL STRUCTURES ITEMS</u></b>	<b>\$ 39,722,500</b>	
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ N/A	\$ N/A	\$ 0.00	\$ 0
		<b><u>SUBTOTAL RAILROAD ITEMS</u></b>	<b>\$ 0</b>	
		<b><u>TOTAL STRUCTURES ITEMS</u></b>	<b>\$ 39,722,500</b>	

COMMENTS: Assumed no track relocation or shoo fly at structure No. 12.

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 13</u>	<u>No. 14</u>	<u>No. 15</u>	
Bridge Name	Irrigation	Irrigation		
Structure Type	Bridge	Bridge		
Structure Type	RC Slab	RC Slab		
Width (out to out)	116.00	116.00		
Span Lengths	20.00	20.00		
Total Area	2320.00	2320.00		
Footing Type (pile/spread)	Spread	Spread		
Cost Per Square Foot	\$ 100.00	100.00		
Total Cost	\$ 232,000.00	232,000.00		
10% Mobilization	\$ 23,200.00	23,200.00		
20% Contingency	\$ 46,400.00	46,400.00		
Bridge Removal	\$ 30,000.00	30,000.00		
Total Cost for Structure	\$ 301,600.00	\$ 301,600.00		
Other	\$ _____	\$ _____	\$ _____	
	<b>SUBTOTAL STRUCTURES ITEMS</b>			\$ <b>603,200</b>
	(Sum of Total Cost for Structures)			
Railroad Related Costs:	\$ N/A	\$ N/A	\$ 0.00	\$ <b>0</b>
	<b>SUBTOTAL RAILROAD ITEMS</b>			\$ <b>0</b>
	<b>TOTAL STRUCTURES ITEMS</b>			\$ <b>603,200</b>

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**III. RIGHT OF WAY**

	<u>Current Values (Future Use)</u>	<u>Escalation Rates</u>	<u>Escalated Values*</u>
Acquisition, including excess lands, and damages to remainder(s)	\$ <u>35,294,490</u>	\$ <u>10%</u>	\$ <u>38,823,939</u>
Utility Relocation (Agency share)	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Clearance/Demolition	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
RAP (Relocation Assistance Program)	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Title and Escrow Fees	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Contingency		\$ <u>25%</u>	\$ <u>9,705,985</u>
Total Current R/W	\$ <u>35,294,490</u>	Total Escalated R/W	\$ <u>48,529,924</u>
 CONSTRUCTION CONTRACT WORK	\$ _____	\$ <u>0</u>	\$ <u>0</u>

\* Anticipated Date of Right of Way Certification \_\_\_\_\_

COMMENTS: Right of Way costs were not developed at the feasibility phase.

Estimate Prepared By \_\_\_\_\_ Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

---

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE SUMMARY**

District-County-Route	<b>10-Sta-SCC</b>
Type of Estimate	<b>Feasibility</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>
Program Code	<b>N/A</b>

**PROJECT DESCRIPTION:**

**Limits:** Interstate 5 to State Route 99 in Stanislaus County

---

**Proposed Construction/Upgrade of Expressway, Bridge Structures, Interchanges, Drainage Facilities**  
**Improvement (Scope):** Road excavation, clearing and grubbing, AC, AB, culverts, sidewalk, curb, gutter, barriers, midwest guardrail systems, erosion control, traffic delineation and traffic control.

---

**Alternative:** 3A - Segments 1, 13, 11, 14, 15 and 16.

---

<b>ROADWAY ITEMS</b>	\$	<b>121,593,000</b>
<b>STRUCTURE ITEMS</b>	\$	<b>97,331,700</b>
<b>SUBTOTAL CONSTRUCTION</b>	\$	<b>218,924,700</b>
<b>RIGHT OF WAY</b>	\$	<b>49,902,715</b>
<b>TOTAL PROJECT</b>	\$	<b>268,827,400</b>

**Reviewed by**      Signature \_\_\_\_\_ Date \_\_\_\_\_

**Lead Roadway Engineer, Kevin Bewsey**

**Approved by**      Signature \_\_\_\_\_ Date \_\_\_\_\_

**Project Manager, Keith Rhodes**



**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	N/A
EA	N/A

<b><u>Section 4 Specialty Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Barrier/ Guardrail	600	LF	\$ 325.00	\$ 195,000	
Terminal End System	22	EA	\$ 2,250.00	\$ 49,500	
Transition System	22	LF	\$ 3,250.00	\$ 71,500	
Temporary Erosion Control	135	AC	\$ 4,356.00	\$ 589,148	
Permanent Erosion Control	135	AC	\$ 4,356.00	\$ 589,148	
<b><u>Subtotal Specialty Items</u></b>					<b>\$ 1,494,296</b>

<b><u>Section 5 Traffic Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Traffic Delineation Items	105,205	LF	\$ 0.84	\$ 88,372	
Traffic Signals	6	EA	\$ 300,000.00	\$ 1,800,000	
Traffic Control Systems (New Alignment)	1	LS	\$ 12,000.00	\$ 12,000	
Traffic Control Systems (Exist Alignment)	1	LS	\$ 1,548,220.00	\$ 1,548,220	
<b><u>Subtotal Traffic Items</u></b>					<b>\$ 3,448,592</b>
<b>TOTAL SECTIONS 1 - 5</b>					<b>\$ 56,541,855</b>

<b><u>Section 6 Minor Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Sidewalk, Curb and Gutter	76,326	LF	\$ 48.00	\$ 3,663,648	
Planting and Irrigation	1	LS	\$ 2,830,000.00	\$ 2,830,000	
Roadside Management & Safety	1	LS	\$ 5,660,000.00	\$ 5,660,000	
Other Minor Items	1	LS	\$ 2,830,000.00	\$ 2,830,000	
<b><u>Total Minor Items</u></b>					<b>\$ 14,983,648</b>

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**Section 7 Roadway Mobilization**

**Item Cost**

**Section Cost**

(Subtotal Sections 1-6)    \$ 71,525,503    x    (10%)    =    \$ 7,152,550

**Total Roadway Mobilization**    \$ 7,152,550

**Section 8 Roadway Additions**

Supplemental Work

(Subtotal Sections 1-6)    \$ 71,525,503    x    (10%)    =    \$ 7,152,550

Contingencies

(Subtotal Sections 1-6)    \$ 71,525,503    x    (50%)    =    \$ 35,762,752

**Total Roadway Additions**    \$ 42,915,302

**TOTAL ROADWAY ITEMS**

**121,593,355**  
**(Total Sections 1 - 8)**

Estimate Prepared By	<u>Dean Zurcher</u>	Phone #	<u></u>	Date	<u></u>
	(Print Name)				
Estimate Checked By	<u>Kevin Bewsey</u>	Phone #	<u></u>	Date	<u></u>
	(Print Name)				

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 1</u>	<u>No. 2</u>	<u>No. 3</u>	
	1-5	Aqueduct		
Bridge Name	Undercrossing	Bridge	Canal Bridge	
Structure Type	CIP/PS BOX	CIP/PS BOX	CIP/PS BOX	
Width (out to out)	78.00	78.00	78.00	
Span Lengths	155.00	250.00	162.00	
Total Area	12090.00	19500.00	12636.00	
Footing Type (pile/spread)	Pile	Pile	Pile	
Cost Per Square Foot	\$ 200.00	250.00	200.00	
Total Cost	\$ 2,418,000.00	4,875,000.00	2,527,200.00	
10% Mobilization	\$ 241,800.00	487,500.00	252,720.00	
20% Contingency	\$ 483,600.00	975,000.00	505,440.00	
Bridge Removal	\$ 0.00	0.00	0.00	
Total Cost for Structure	\$ 3,143,400.00	\$ 6,337,500.00	\$ 3,285,360.00	
Other	\$ 20,000,000.00	\$	\$	
		<b>SUBTOTAL STRUCTURES ITEMS</b>	\$	<b>32,766,260</b>
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ N/A	\$ N/A	\$ N/A	\$ 0
		<b>SUBTOTAL RAILROAD ITEMS</b>	\$	<b>0</b>
		<b>TOTAL STRUCTURES ITEMS</b>	\$	<b>32,766,260</b>

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.



**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	<b>STRUCTURE</b>			
	<u>No. 4</u>	<u>No. 5</u>	<u>No. 6</u>	
Bridge Name	SR33/UPRR	Irrigation	Irrigation	
Structure Type	Overcrossing	Bridge	Bridge	
Width (out to out)	CIP/PS BOX	RC Slab	RC Slab	
Span Lengths	78.00	116.00	116.00	
Total Area	238.00	20.00	20.00	
Footing Type (pile/spread)	18564.00	2320.00	2320.00	
Cost Per Square Foot	Pile	Spread	Spread	
Total Cost	\$ 250.00	100.00	100.00	
10% Mobilization	\$ 4,641,000.00	232,000.00	232,000.00	
20% Contingency	\$ 464,100.00	23,200.00	23,200.00	
Bridge Removal	\$ 928,200.00	46,400.00	46,400.00	
Total Cost for Structure	\$ 0.00	30,000.00	30,000.00	
Other	\$ 6,033,300.00	\$ 301,600.00	\$ 301,600.00	
	\$ 17,000,000.00	\$	\$	
		<b>SUBTOTAL STRUCTURES ITEMS</b>	<b>\$ 23,636,500</b>	
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ 0.00	\$ N/A	\$ N/A	\$ 0
		<b>SUBTOTAL RAILROAD ITEMS</b>	<b>\$ 0</b>	
		<b>TOTAL STRUCTURES ITEMS</b>	<b>\$ 23,636,500</b>	

COMMENTS: Assumed no track relocation or shoo fly at structure No. 4.

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**II. STRUCTURE ITEMS**

**STRUCTURE**

	<u>No. 7</u>	<u>No. 8</u>	<u>No. 9</u>
Bridge Name	Irrigation	Irrigation	Old Las Palmas
Structure Type	Bridge	Bridge	Canal
Structure Type	RC Slab	RC Slab	RC Box
Width (out to out)	116.00	116.00	78.00
Span Lengths	20.00	20.00	80.00
Total Area	2320.00	2320.00	6240.00
Footing Type (pile/spread)	Spread	Spread	Pile
Cost Per Square Foot	\$ 100.00	\$ 100.00	\$ 200.00
Total Cost	\$ 232,000.00	\$ 232,000.00	\$ 1,248,000.00
10% Mobilization	\$ 23,200.00	\$ 23,200.00	\$ 124,800.00
20% Contingency	\$ 46,400.00	\$ 46,400.00	\$ 249,600.00
Bridge Removal	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00
Total Cost for Structure	\$ 301,600.00	\$ 301,600.00	\$ 1,622,400.00
Other	\$ _____	\$ _____	\$ _____

**SUBTOTAL STRUCTURES ITEMS**    \$ 2,225,600  
(Sum of Total Cost for Structures)

Railroad Related Costs:    \$ N/A    \$ N/A    \$ 0.00    \$ 0

**SUBTOTAL RAILROAD ITEMS**    \$ 0

**TOTAL STRUCTURES ITEMS**    \$ 2,225,600

COMMENTS:

Estimate Prepared By    Dean Zurcher    Phone #    \_\_\_\_\_    Date    \_\_\_\_\_  
(Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	<b>STRUCTURE</b>			
	<u>No. 10</u>	<u>No. 11</u>	<u>No. 12</u>	
Bridge Name	Las Palmas	BNSF Railroad	Irrigation	
	Bridge	Grade	Bridge	
Structure Type	<u>1 - CIP/PS BOX</u>	<u>2 - CIP/PS BOX</u>	<u>RC Slab</u>	
Width (out to out)	<u>78.00</u>	<u>39.00</u>	<u>116.00</u>	
Span Lengths	<u>950.00</u>	<u>280.00</u>	<u>20.00</u>	
Total Area	<u>74100.00</u>	<u>10920.00</u>	<u>2320.00</u>	
Footing Type (pile/spread)	<u>Pile</u>	<u>Pile</u>	<u>Spread</u>	
Cost Per Square Foot	\$ <u>250.00</u>	<u>300.00</u>	<u>100.00</u>	
Total Cost	\$ <u>18,525,000.00</u>	<u>6,552,000.00</u>	<u>232,000.00</u>	
10% Mobilization	\$ <u>1,852,500.00</u>	<u>655,200.00</u>	<u>23,200.00</u>	
20% Contingency	\$ <u>3,705,000.00</u>	<u>1,310,400.00</u>	<u>46,400.00</u>	
Bridge Removal	\$ <u>60,000.00</u>	<u>0.00</u>	<u>30,000.00</u>	
Total Cost for Structure	\$ <u>24,082,500.00</u>	\$ <u>8,517,600.00</u>	\$ <u>301,600.00</u>	
Other	\$ _____	\$ <u>5,500,000.00</u>	\$ _____	
		<b><u>SUBTOTAL STRUCTURES ITEMS</u></b>	<b>\$ <u>38,401,700</u></b>	
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ <u>N/A</u>	\$ <u>N/A</u>	\$ <u>0.00</u>	\$ <u>0</u>
		<b><u>SUBTOTAL RAILROAD ITEMS</u></b>	<b>\$ <u>0</u></b>	
		<b><u>TOTAL STRUCTURES ITEMS</u></b>	<b>\$ <u>38,401,700</u></b>	

COMMENTS: Assumed no track relocation or shoo fly at structure No. 11.

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.



**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**III. RIGHT OF WAY**

	<u>Current Values (Future Use)</u>	<u>Escalation Rates</u>	<u>Escalated Values*</u>
Acquisition, including excess lands, and damages to remainder(s)	\$ <u>36,292,883</u>	\$ <u>10%</u>	\$ <u>39,922,172</u>
Utility Relocation (Agency share)	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Clearance/Demolition	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
RAP (Relocation Assistance Program)	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Title and Escrow Fees	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Contingency		\$ <u>25%</u>	\$ <u>9,980,543</u>
Total Current R/W	\$ <u>36,292,883</u>	Total Escalated R/W	\$ <u>49,902,715</u>
 CONSTRUCTION CONTRACT WORK	\$ _____	\$ <u>0</u>	\$ <u>0</u>

\* Anticipated Date of Right of Way Certification \_\_\_\_\_

COMMENTS: Right of Way costs were not developed at the feasibility phase.

Estimate Prepared By \_\_\_\_\_ Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

---

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE SUMMARY**

District-County-Route	<b>10-Sta-SCC</b>
Type of Estimate	<b>Feasibility</b>
KP (PM)	N/A
EA	N/A
Program Code	N/A

**PROJECT DESCRIPTION:**

**Limits:** Interstate 5 to State Route 99 in Stanislaus County

---

**Proposed Construction/Upgrade of Expressway, Bridge Structures, Interchanges, Drainage Facilities**  
**Improvement (Scope):** Road excavation, clearing and grubbing, AC, AB, culverts, sidewalk, curb, gutter, barriers, midwest guardrail systems, erosion control, traffic delineation and traffic control.

---

**Alternative:** 3D - Segments 2, 13, 11, 14, 15 and 16.

---

<b>ROADWAY ITEMS</b>	\$	<b>124,112,000</b>
<b>STRUCTURE ITEMS</b>	\$	<b>98,092,200</b>
<b>SUBTOTAL CONSTRUCTION</b>	\$	<b>222,204,200</b>
<b>RIGHT OF WAY</b>	\$	<b>51,340,846</b>
<b>TOTAL PROJECT</b>	\$	<b>273,545,000</b>

**Reviewed by**      Signature \_\_\_\_\_ Date \_\_\_\_\_

**Lead Roadway Engineer, Kevin Bewsey**

**Approved by**      Signature \_\_\_\_\_ Date \_\_\_\_\_

**Project Manager, Keith Rhodes**



**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	N/A
EA	N/A

<b><u>Section 4 Specialty Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Barrier/ Guardrail	640	LF	\$ 325.00	\$ 208,000	
Terminal End System	24	EA	\$ 2,250.00	\$ 54,000	
Transition System	24	LF	\$ 3,250.00	\$ 78,000	
Temporary Erosion Control	137	AC	\$ 4,356.00	\$ 598,668	
Permanent Erosion Control	137	AC	\$ 4,356.00	\$ 598,668	
				<b><u>Subtotal Specialty Items</u></b>	<b>\$ 1,537,336</b>

<b><u>Section 5 Traffic Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Traffic Delineation Items	106,905	LF	\$ 0.84	\$ 89,800	
Traffic Signals	6	EA	\$ 300,000.00	\$ 1,800,000	
Traffic Control Systems (New Alignment)	1	LS	\$ 12,000.00	\$ 12,000	
Traffic Control Systems (Exist Alignment)	1	LS	\$ 1,548,220.00	\$ 1,548,220	
				<b><u>Subtotal Traffic Items</u></b>	<b>\$ 3,450,020</b>
				<b>TOTAL SECTIONS 1 - 5</b>	<b>\$ 57,630,171</b>

<b><u>Section 6 Minor Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Sidewalk, Curb and Gutter	79,726	LF	\$ 48.00	\$ 3,826,848	
Planting and Irrigation	1	LS	\$ 2,890,000.00	\$ 2,890,000	
Roadside Management & Safety	1	LS	\$ 5,770,000.00	\$ 5,770,000	
Other Minor Items	1	LS	\$ 2,890,000.00	\$ 2,890,000	
				<b><u>Total Minor Items</u></b>	<b>\$ 15,376,848</b>





**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 1</u>	<u>No. 2</u>	<u>No. 3</u>	
Bridge Name	1-5	Aqueduct		
Structure Type	Undercrossing	Bridge	Canal Bridge	
Width (out to out)	CIP/PS BOX	CIP/PS BOX	CIP/PS BOX	
Span Lengths	78.00	78.00	78.00	
Total Area	155.00	250.00	162.00	
Footings Type (pile/spread)	12090.00	19500.00	12636.00	
Cost Per Square Foot	Pile	Pile	Pile	
Total Cost	\$ 200.00	250.00	200.00	
10% Mobilization	\$ 2,418,000.00	4,875,000.00	2,527,200.00	
20% Contingency	\$ 241,800.00	487,500.00	252,720.00	
Bridge Removal	\$ 483,600.00	975,000.00	505,440.00	
Total Cost for Structure	\$ 0.00	0.00	0.00	
Other	\$ 3,143,400.00	\$ 6,337,500.00	\$ 3,285,360.00	
	\$ 20,000,000.00	\$	\$	
		<b>SUBTOTAL STRUCTURES ITEMS</b>	<b>\$ 32,766,260</b>	
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ N/A	\$ N/A	\$ N/A	\$ 0
		<b>SUBTOTAL RAILROAD ITEMS</b>	<b>\$ 0</b>	
		<b>TOTAL STRUCTURES ITEMS</b>	<b>\$ 32,766,260</b>	

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 4</u>	<u>No. 5</u>	<u>No. 6</u>	
Bridge Name	Creek	SR33/UPRR	Irrigation	
Structure Type	<u>Overcrossing</u>	<u>Overcrossing</u>	<u>Bridge</u>	
Width (out to out)	<u>RC Box</u>	<u>CIP/PS BOX</u>	<u>RC Slab</u>	
Span Lengths	78.00	78.00	116.00	
Total Area	50.00	238.00	20.00	
Footing Type (pile/spread)	3900.00	18564.00	2320.00	
Cost Per Square Foot	<u>Spread</u>	<u>Pile</u>	<u>Spread</u>	
Total Cost	\$ 150.00	\$ 250.00	\$ 100.00	
10% Mobilization	\$ 585,000.00	\$ 4,641,000.00	\$ 232,000.00	
20% Contingency	\$ 58,500.00	\$ 464,100.00	\$ 23,200.00	
Bridge Removal	\$ 117,000.00	\$ 928,200.00	\$ 46,400.00	
Total Cost for Structure	\$ 0.00	\$ 0.00	\$ 30,000.00	
Other	\$ 760,500.00	\$ 6,033,300.00	\$ 301,600.00	
	\$ 17,000,000.00			
	<b>SUBTOTAL STRUCTURES ITEMS</b>			\$ <b>24,095,400</b>
	(Sum of Total Cost for Structures)			
Railroad Related Costs:	\$ 0.00	\$ N/A	\$ N/A	\$ <b>0</b>
	<b>SUBTOTAL RAILROAD ITEMS</b>			\$ <b>0</b>
	<b>TOTAL STRUCTURES ITEMS</b>			\$ <b>24,095,400</b>

COMMENTS: Assumed no track relocation or shoo fly at structure No. 4.

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
(Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 7</u>	<u>No. 8</u>	<u>No. 9</u>	
Bridge Name	Irrigation Bridge	Irrigation Bridge	Irrigation Bridge	
Structure Type	RC Slab	RC Slab	RC Slab	
Width (out to out)	116.00	116.00	116.00	
Span Lengths	20.00	20.00	20.00	
Total Area	2320.00	2320.00	2320.00	
Footing Type (pile/spread)	Spread	Spread	Spread	
Cost Per Square Foot	\$ 100.00	\$ 100.00	\$ 100.00	
Total Cost	\$ 232,000.00	\$ 232,000.00	\$ 232,000.00	
10% Mobilization	\$ 23,200.00	\$ 23,200.00	\$ 23,200.00	
20% Contingency	\$ 46,400.00	\$ 46,400.00	\$ 46,400.00	
Bridge Removal	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00	
Total Cost for Structure	\$ 301,600.00	\$ 301,600.00	\$ 301,600.00	
Other	\$ _____	\$ _____	\$ _____	
	<b>SUBTOTAL STRUCTURES ITEMS</b>			\$ <b>904,800</b>
	(Sum of Total Cost for Structures)			
Railroad Related Costs:	\$ N/A	\$ N/A	\$ 0.00	\$ <b>0</b>
	<b>SUBTOTAL RAILROAD ITEMS</b>			\$ <b>0</b>
	<b>TOTAL STRUCTURES ITEMS</b>			\$ <b>904,800</b>

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	<b>STRUCTURE</b>			
	<u>No. 10</u>	<u>No. 11</u>	<u>No. 12</u>	
Bridge Name	Old Las Palmas Canal	Las Palmas Bridge	BNSF Railroad Grade Separation	
Structure Type	RC Box	CIP/PS BOX	CIP/PS BOX	
Width (out to out)	78.00	78.00	78.00	
Span Lengths	80.00	950.00	280.00	
Total Area	6240.00	74100.00	21840.00	
Footing Type (pile/spread)	Pile	Pile	Pile	
Cost Per Square Foot	\$ 200.00	250.00	300.00	
Total Cost	\$ 1,248,000.00	18,525,000.00	6,552,000.00	
10% Mobilization	\$ 124,800.00	1,852,500.00	655,200.00	
20% Contingency	\$ 249,600.00	3,705,000.00	1,310,400.00	
Bridge Removal	\$ 30,000.00	60,000.00	0.00	
Total Cost for Structure	\$ 1,622,400.00	\$ 24,082,500.00	\$ 8,517,600.00	
Other	\$	\$	\$ 5,500,000.00	
		<b><u>SUBTOTAL STRUCTURES ITEMS</u></b>	<b>\$ 39,722,500</b>	
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ N/A	\$ N/A	\$ 0.00	\$ 0
		<b><u>SUBTOTAL RAILROAD ITEMS</u></b>	<b>\$ 0</b>	
		<b><u>TOTAL STRUCTURES ITEMS</u></b>	<b>\$ 39,722,500</b>	

COMMENTS: Assumed no track relocation or shoo fly at structure No. 12.

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 13</u>	<u>No. 14</u>	<u>No. 15</u>	
Bridge Name	Irrigation	Irrigation		
Structure Type	Bridge	Bridge		
Structure Type	RC Slab	RC Slab		
Width (out to out)	116.00	116.00		
Span Lengths	20.00	20.00		
Total Area	2320.00	2320.00		
Footing Type (pile/spread)	Spread	Spread		
Cost Per Square Foot	\$ 100.00	100.00		
Total Cost	\$ 232,000.00	232,000.00		
10% Mobilization	\$ 23,200.00	23,200.00		
20% Contingency	\$ 46,400.00	46,400.00		
Bridge Removal	\$ 30,000.00	30,000.00		
Total Cost for Structure	\$ 301,600.00	\$ 301,600.00	\$	
Other	\$	\$	\$	
	<b>SUBTOTAL STRUCTURES ITEMS</b>			\$ <b>603,200</b>
	(Sum of Total Cost for Structures)			
Railroad Related Costs:	\$ N/A	\$ N/A	\$ 0.00	\$ <b>0</b>
	<b>SUBTOTAL RAILROAD ITEMS</b>			\$ <b>0</b>
	<b>TOTAL STRUCTURES ITEMS</b>			\$ <b>603,200</b>

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**III. RIGHT OF WAY**

	<u>Current Values (Future Use)</u>	<u>Escalation Rates</u>	<u>Escalated Values*</u>
Acquisition, including excess lands, and damages to remainder(s)	\$ <u>37,338,797</u>	\$ <u>10%</u>	\$ <u>41,072,677</u>
Utility Relocation (Agency share)	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Clearance/Demolition	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
RAP (Relocation Assistance Program)	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Title and Escrow Fees	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Contingency		\$ <u>25%</u>	\$ <u>10,268,169</u>
Total Current R/W	\$ <u>37,338,797</u>	Total Escalated R/W	\$ <u>51,340,846</u>
 CONSTRUCTION CONTRACT WORK	\$ _____	\$ <u>0</u>	\$ <u>0</u>

\* Anticipated Date of Right of Way Certification \_\_\_\_\_

COMMENTS: Right of Way costs were not developed at the feasibility phase.

Estimate Prepared By \_\_\_\_\_ Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

---

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE SUMMARY**

District-County-Route	<b>10-Sta-SCC</b>
Type of Estimate	<b>Feasibility</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>
Program Code	<b>N/A</b>

**PROJECT DESCRIPTION:**

**Limits:** Interstate 5 to State Route 99 in Stanislaus County

---

**Proposed Construction/Upgrade of Expressway, Bridge Structures, Interchanges, Drainage Facilities**  
**Improvement (Scope):** Road excavation, clearing and grubbing, AC, AB, culverts, sidewalk, curb, gutter, barriers, midwest guardrail systems, erosion control, traffic delineation and traffic control.

---

**Alternative:** 4A - Segments 1, 4, 6, 14, 15 and 16.

---

<b>ROADWAY ITEMS</b>	<b>\$</b>	<b>124,531,000</b>
<b>STRUCTURE ITEMS</b>	<b>\$</b>	<b>96,312,500</b>
<b>SUBTOTAL CONSTRUCTION</b>	<b>\$</b>	<b>220,843,500</b>
<b>RIGHT OF WAY</b>	<b>\$</b>	<b>48,181,881</b>
<b>TOTAL PROJECT</b>	<b>\$</b>	<b>269,025,400</b>

**Reviewed by**      Signature \_\_\_\_\_ Date \_\_\_\_\_

**Lead Roadway Engineer, Kevin Bewsey**

**Approved by**      Signature \_\_\_\_\_ Date \_\_\_\_\_

**Project Manager, Keith Rhodes**





**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	N/A
EA	N/A

<b><u>Section 4 Specialty Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Barrier/ Guardrail	720	LF	\$ 325.00	\$ 234,000	
Terminal End System	24	EA	\$ 2,250.00	\$ 54,000	
Transition System	24	LF	\$ 3,250.00	\$ 78,000	
Temporary Erosion Control	137	AC	\$ 4,356.00	\$ 595,476	
Permanent Erosion Control	137	AC	\$ 4,356.00	\$ 595,476	
				<b><u>Subtotal Specialty Items</u></b>	<b>\$ 1,556,952</b>

<b><u>Section 5 Traffic Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Traffic Delineation Items	106,335	LF	\$ 0.84	\$ 89,321	
Traffic Signals	6	EA	\$ 300,000.00	\$ 1,800,000	
Traffic Control Systems (New Alignment)	1	LS	\$ 12,000.00	\$ 12,000	
Traffic Control Systems (Exist Alignment)	1	LS	\$ 1,654,220.00	\$ 1,654,220	
				<b><u>Subtotal Traffic Items</u></b>	<b>\$ 3,555,541</b>
				<b>TOTAL SECTIONS 1 - 5</b>	<b>\$ 57,961,181</b>

<b><u>Section 6 Minor Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Sidewalk, Curb and Gutter	76,920	LF	\$ 48.00	\$ 3,692,160	
Planting and Irrigation	1	LS	\$ 2,900,000.00	\$ 2,900,000	
Roadside Management & Safety	1	LS	\$ 5,800,000.00	\$ 5,800,000	
Other Minor Items	1	LS	\$ 2,900,000.00	\$ 2,900,000	
				<b><u>Total Minor Items</u></b>	<b>\$ 15,292,160</b>

---

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	N/A
EA	N/A

**Section 7 Roadway Mobilization**

**Item Cost**

**Section Cost**

(Subtotal Sections 1-6)    \$ 73,253,341    x    (10%)    =    \$ 7,325,334

**Total Roadway Mobilization**    \$ 7,325,334

**Section 8 Roadway Additions**

Supplemental Work  
(Subtotal Sections 1-6)    \$ 73,253,341    x    (10%)    =    \$ 7,325,334

Contingencies  
(Subtotal Sections 1-6)    \$ 73,253,341    x    (50%)    =    \$ 36,626,671

**Total Roadway Additions**    \$ 43,952,005

**TOTAL ROADWAY ITEMS**    **124,530,680**  
(Total Sections 1 - 8)

Estimate Prepared By	Dean Zurcher <small>(Print Name)</small>	Phone #	Date
Estimate Checked By	Kevin Bewsey <small>(Print Name)</small>	Phone #	Date

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 1</u>	<u>No. 2</u>	<u>No. 3</u>	
	1-5	Aqueduct		
Bridge Name	Undercrossing	Bridge	Canal Bridge	
Structure Type	CIP/PS BOX	CIP/PS BOX	CIP/PS BOX	
Width (out to out)	78.00	78.00	78.00	
Span Lengths	155.00	250.00	162.00	
Total Area	12090.00	19500.00	12636.00	
Footing Type (pile/spread)	Pile	Pile	Pile	
Cost Per Square Foot	\$ 200.00	250.00	200.00	
Total Cost	\$ 2,418,000.00	4,875,000.00	2,527,200.00	
10% Mobilization	\$ 241,800.00	487,500.00	252,720.00	
20% Contingency	\$ 483,600.00	975,000.00	505,440.00	
Bridge Removal	\$ 0.00	0.00	0.00	
Total Cost for Structure	\$ 3,143,400.00	\$ 6,337,500.00	\$ 3,285,360.00	
Other	\$ 20,000,000.00	\$	\$	
	<b>SUBTOTAL STRUCTURES ITEMS</b>			\$ <b>32,766,260</b>
	(Sum of Total Cost for Structures)			
Railroad Related Costs:	\$ N/A	\$ N/A	\$ N/A	\$ <b>0</b>
	<b>SUBTOTAL RAILROAD ITEMS</b>			\$ <b>0</b>
	<b>TOTAL STRUCTURES ITEMS</b>			\$ <b>32,766,260</b>

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	No. 4	No. 5	No. 6	
Bridge Name	SR33/UPRR	Irrigation	Irrigation	
Structure Type	Overcrossing	Bridge	Bridge	
Width (out to out)	CIP/PS BOX	RC Slab	RC Slab	
Span Lengths	78.00	116.00	116.00	
Total Area	238.00	20.00	20.00	
Footing Type (pile/spread)	18564.00	2320.00	2320.00	
Cost Per Square Foot	Pile	Spread	Spread	
Total Cost	\$ 250.00	100.00	100.00	
10% Mobilization	\$ 4,641,000.00	232,000.00	232,000.00	
20% Contingency	\$ 464,100.00	23,200.00	23,200.00	
Bridge Removal	\$ 928,200.00	46,400.00	46,400.00	
Total Cost for Structure	\$ 0.00	30,000.00	30,000.00	
Other	\$ 6,033,300.00	\$ 301,600.00	\$ 301,600.00	
	\$ 17,000,000.00	\$	\$	
		<b>SUBTOTAL STRUCTURES ITEMS</b>	<b>\$ 23,636,500</b>	
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ 0.00	\$ N/A	\$ N/A	\$ 0
		<b>SUBTOTAL RAILROAD ITEMS</b>	<b>\$ 0</b>	
		<b>TOTAL STRUCTURES ITEMS</b>	<b>\$ 23,636,500</b>	

COMMENTS: Assumed no track relocation or shoo fly at structure No. 4.

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 7</u>	<u>No. 8</u>	<u>No. 9</u>	
Bridge Name	Irrigation Bridge	Irrigation Bridge	San Joaquin River Bridge	
Structure Type	RC Slab	RC Slab	CIP/PS BOX	
Width (out to out)	116.00	116.00	78.00	
Span Lengths	20.00	20.00	950.00	
Total Area	2320.00	2320.00	74100.00	
Footing Type (pile/spread)	Spread	Spread	Pile	
Cost Per Square Foot	\$ 100.00	\$ 100.00	\$ 250.00	
Total Cost	\$ 232,000.00	\$ 232,000.00	\$ 18,525,000.00	
10% Mobilization	\$ 23,200.00	\$ 23,200.00	\$ 1,852,500.00	
20% Contingency	\$ 46,400.00	\$ 46,400.00	\$ 3,705,000.00	
Bridge Removal	\$ 30,000.00	\$ 30,000.00	\$ 60,000.00	
Total Cost for Structure	\$ 301,600.00	\$ 301,600.00	\$ 24,082,500.00	
Other	\$ _____	\$ _____	\$ _____	
	<b>SUBTOTAL STRUCTURES ITEMS</b>			\$ <b>24,685,700</b>
	(Sum of Total Cost for Structures)			
Railroad Related Costs:	\$ N/A	\$ N/A	\$ 0.00	\$ <b>0</b>
	<b>SUBTOTAL RAILROAD ITEMS</b>			\$ <b>0</b>
	<b>TOTAL STRUCTURES ITEMS</b>			\$ <b>24,685,700</b>

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	<b>STRUCTURE</b>			
	<u>No. 10</u>	<u>No. 11</u>	<u>No. 12</u>	
Bridge Name	Irrigation Bridge	Irrigation Bridge	BNSF Railroad Grade Separation	
Structure Type	RC Slab	RC Slab	CIP/PS BOX	
Width (out to out)	116.00	116.00	78.00	
Span Lengths	20.00	20.00	280.00	
Total Area	2320.00	2320.00	21840.00	
Footing Type (pile/spread)	Spread	Spread	Pile	
Cost Per Square Foot	\$ 100.00	\$ 100.00	\$ 300.00	
Total Cost	\$ 232,000.00	\$ 232,000.00	\$ 6,552,000.00	
10% Mobilization	\$ 23,200.00	\$ 23,200.00	\$ 655,200.00	
20% Contingency	\$ 46,400.00	\$ 46,400.00	\$ 1,310,400.00	
Bridge Removal	\$ 30,000.00	\$ 30,000.00	\$ 0.00	
Total Cost for Structure	\$ 301,600.00	\$ 301,600.00	\$ 8,517,600.00	
Other	\$	\$	\$ 5,500,000.00	
	<b>SUBTOTAL STRUCTURES ITEMS</b>			\$ <b>14,620,800</b>
	(Sum of Total Cost for Structures)			
Railroad Related Costs:	\$ N/A	\$ N/A	\$ 0.00	\$ <b>0</b>
	<b>SUBTOTAL RAILROAD ITEMS</b>			\$ <b>0</b>
	<b>TOTAL STRUCTURES ITEMS</b>			\$ <b>14,620,800</b>

COMMENTS: Assumed no track relocation or shoo fly at structure No. 12.

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
(Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 13</u>	<u>No. 14</u>	<u>No. 15</u>	
Bridge Name	Irrigation	Irrigation		
Structure Type	Bridge	Bridge		
Structure Type	RC Slab	RC Slab		
Width (out to out)	116.00	116.00		
Span Lengths	20.00	20.00		
Total Area	2320.00	2320.00		
Footing Type (pile/spread)	Spread	Spread		
Cost Per Square Foot	\$ 100.00	100.00		
Total Cost	\$ 232,000.00	232,000.00		
10% Mobilization	\$ 23,200.00	23,200.00		
20% Contingency	\$ 46,400.00	46,400.00		
Bridge Removal	\$ 30,000.00	30,000.00		
Total Cost for Structure	\$ 301,600.00	\$ 301,600.00	\$	
Other	\$	\$	\$	
	<b>SUBTOTAL STRUCTURES ITEMS</b>			\$ <b>603,200</b>
	(Sum of Total Cost for Structures)			
Railroad Related Costs:	\$ N/A	\$ N/A	\$ 0.00	\$ <b>0</b>
	<b>SUBTOTAL RAILROAD ITEMS</b>			\$ <b>0</b>
	<b>TOTAL STRUCTURES ITEMS</b>			\$ <b>603,200</b>

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.



**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**III. RIGHT OF WAY**

	<u>Current Values (Future Use)</u>	<u>Escalation Rates</u>	<u>Escalated Values*</u>
Acquisition, including excess lands, and damages to remainder(s)	\$ <u>35,041,368</u>	\$ <u>10%</u>	\$ <u>38,545,505</u>
Utility Relocation (Agency share)	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Clearance/Demolition	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
RAP (Relocation Assistance Program)	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Title and Escrow Fees	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Contingency		\$ <u>25%</u>	\$ <u>9,636,376</u>
Total Current R/W	\$ <u>35,041,368</u>	Total Escalated R/W	\$ <u>48,181,881</u>
 CONSTRUCTION CONTRACT WORK	\$ _____	\$ <u>0</u>	\$ <u>0</u>

\* Anticipated Date of Right of Way Certification \_\_\_\_\_

COMMENTS: Right of Way costs were not developed at the feasibility phase.

Estimate Prepared By \_\_\_\_\_ Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

---

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE SUMMARY**

District-County-Route	<b>10-Sta-SCC</b>
Type of Estimate	<b>Feasibility</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>
Program Code	<b>N/A</b>

**PROJECT DESCRIPTION:**

**Limits:** Interstate 5 to State Route 99 in Stanislaus County

---

**Proposed Improvement (Scope):** Construction/Upgrade of Expressway, Bridge Structures, Interchanges, Drainage Facilities  
 Road excavation, clearing and grubbing, AC, AB, culverts, sidewalk, curb, gutter, barriers,  
 midwest guardrail systems, erosion control, traffic delineation and traffic control.

---

**Alternative:** 4D - Segments 1, 4, 8, 14, 15 and 16.

---

<b>ROADWAY ITEMS</b>	<b>\$</b>	<b>121,653,000</b>
<b>STRUCTURE ITEMS</b>	<b>\$</b>	<b>96,312,500</b>
<b>SUBTOTAL CONSTRUCTION</b>	<b>\$</b>	<b>217,965,500</b>
<b>RIGHT OF WAY</b>	<b>\$</b>	<b>47,871,149</b>
<b>TOTAL PROJECT</b>	<b>\$</b>	<b>265,836,600</b>

**Reviewed by**      Signature \_\_\_\_\_ Date \_\_\_\_\_

**Lead Roadway Engineer, Kevin Bewsey**

**Approved by**      Signature \_\_\_\_\_ Date \_\_\_\_\_

**Project Manager, Keith Rhodes**



**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	N/A
EA	N/A

<b><u>Section 4 Specialty Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Barrier/ Guardrail	720	LF	\$ 325.00	\$ 234,000	
Terminal End System	24	EA	\$ 2,250.00	\$ 54,000	
Transition System	24	LF	\$ 3,250.00	\$ 78,000	
Temporary Erosion Control	133	AC	\$ 4,356.00	\$ 577,836	
Permanent Erosion Control	133	AC	\$ 4,356.00	\$ 577,836	
				<b><u>Subtotal Specialty Items</u></b>	<b>\$ 1,521,672</b>

<b><u>Section 5 Traffic Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Traffic Delineation Items	103,185	LF	\$ 0.84	\$ 86,675	
Traffic Signals	6	EA	\$ 300,000.00	\$ 1,800,000	
Traffic Control Systems (New Alignment)	1	LS	\$ 12,000.00	\$ 12,000	
Traffic Control Systems (Exist Alignment)	1	LS	\$ 1,561,000.00	\$ 1,561,000	
				<b><u>Subtotal Traffic Items</u></b>	<b>\$ 3,459,675</b>
				<b>TOTAL SECTIONS 1 - 5</b>	<b>\$ 56,548,735</b>

<b><u>Section 6 Minor Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Sidewalk, Curb and Gutter	76,910	LF	\$ 48.00	\$ 3,691,680	
Planting and Irrigation	1	LS	\$ 2,830,000.00	\$ 2,830,000	
Roadside Management & Safety	1	LS	\$ 5,660,000.00	\$ 5,660,000	
Other Minor Items	1	LS	\$ 2,830,000.00	\$ 2,830,000	
				<b><u>Total Minor Items</u></b>	<b>\$ 15,011,680</b>



**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 1</u>	<u>No. 2</u>	<u>No. 3</u>	
Bridge Name	1-5	Aqueduct		
Structure Type	Undercrossing	Bridge	Canal Bridge	
Width (out to out)	CIP/PS BOX	CIP/PS BOX	CIP/PS BOX	
Span Lengths	78.00	78.00	78.00	
Total Area	155.00	250.00	162.00	
Footing Type (pile/spread)	12090.00	19500.00	12636.00	
Cost Per Square Foot	Pile	Pile	Pile	
Total Cost	\$ 200.00	250.00	200.00	
10% Mobilization	\$ 2,418,000.00	4,875,000.00	2,527,200.00	
20% Contingency	\$ 241,800.00	487,500.00	252,720.00	
Bridge Removal	\$ 483,600.00	975,000.00	505,440.00	
Total Cost for Structure	\$ 0.00	0.00	0.00	
Other	\$ 3,143,400.00	\$ 6,337,500.00	\$ 3,285,360.00	
	\$ 20,000,000.00	\$	\$	
		<b>SUBTOTAL STRUCTURES ITEMS</b>	<b>\$ 32,766,260</b>	
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ N/A	\$ N/A	\$ N/A	\$ 0
		<b>SUBTOTAL RAILROAD ITEMS</b>	<b>\$ 0</b>	
		<b>TOTAL STRUCTURES ITEMS</b>	<b>\$ 32,766,260</b>	

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	No. 4	No. 5	No. 6	
Bridge Name	SR33/UPRR	Irrigation	Irrigation	
Structure Type	Overcrossing	Bridge	Bridge	
Width (out to out)	CIP/PS BOX	RC Slab	RC Slab	
Span Lengths	78.00	116.00	116.00	
Total Area	238.00	20.00	20.00	
Footings Type (pile/spread)	18564.00	2320.00	2320.00	
Cost Per Square Foot	Pile	Spread	Spread	
Total Cost	\$ 250.00	100.00	100.00	
10% Mobilization	\$ 4,641,000.00	232,000.00	232,000.00	
20% Contingency	\$ 464,100.00	23,200.00	23,200.00	
Bridge Removal	\$ 928,200.00	46,400.00	46,400.00	
Total Cost for Structure	\$ 0.00	30,000.00	30,000.00	
Other	\$ 6,033,300.00	\$ 301,600.00	\$ 301,600.00	
	\$ 17,000,000.00	\$	\$	
		<b>SUBTOTAL STRUCTURES ITEMS</b>	<b>\$ 23,636,500</b>	
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ 0.00	\$ N/A	\$ N/A	\$ 0
		<b>SUBTOTAL RAILROAD ITEMS</b>	<b>\$ 0</b>	
		<b>TOTAL STRUCTURES ITEMS</b>	<b>\$ 23,636,500</b>	

COMMENTS: Assumed no track relocation or shoo fly at structure No. 4.

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 7</u>	<u>No. 8</u>	<u>No. 9</u>	
Bridge Name	Irrigation Bridge	Irrigation Bridge	San Joaquin River Bridge	
Structure Type	RC Slab	RC Slab	CIP/PS BOX	
Width (out to out)	116.00	116.00	78.00	
Span Lengths	20.00	20.00	950.00	
Total Area	2320.00	2320.00	74100.00	
Footing Type (pile/spread)	Spread	Spread	Pile	
Cost Per Square Foot	\$ 100.00	\$ 100.00	\$ 250.00	
Total Cost	\$ 232,000.00	\$ 232,000.00	\$ 18,525,000.00	
10% Mobilization	\$ 23,200.00	\$ 23,200.00	\$ 1,852,500.00	
20% Contingency	\$ 46,400.00	\$ 46,400.00	\$ 3,705,000.00	
Bridge Removal	\$ 30,000.00	\$ 30,000.00	\$ 60,000.00	
Total Cost for Structure	\$ 301,600.00	\$ 301,600.00	\$ 24,082,500.00	
Other	\$ _____	\$ _____	\$ _____	
	<b>SUBTOTAL STRUCTURES ITEMS</b>			\$ <b>24,685,700</b>
	(Sum of Total Cost for Structures)			
Railroad Related Costs:	\$ N/A	\$ N/A	\$ 0.00	\$ <b>0</b>
	<b>SUBTOTAL RAILROAD ITEMS</b>			\$ <b>0</b>
	<b>TOTAL STRUCTURES ITEMS</b>			\$ <b>24,685,700</b>

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.



**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	<b>STRUCTURE</b>			
	<u>No. 10</u>	<u>No. 11</u>	<u>No. 12</u>	
Bridge Name	Irrigation Bridge	Irrigation Bridge	BNSF Railroad Grade Separation	
Structure Type	RC Slab	RC Slab	CIP/PS BOX	
Width (out to out)	116.00	116.00	78.00	
Span Lengths	20.00	20.00	280.00	
Total Area	2320.00	2320.00	21840.00	
Footing Type (pile/spread)	Spread	Spread	Pile	
Cost Per Square Foot	\$ 100.00	\$ 100.00	\$ 300.00	
Total Cost	\$ 232,000.00	\$ 232,000.00	\$ 6,552,000.00	
10% Mobilization	\$ 23,200.00	\$ 23,200.00	\$ 655,200.00	
20% Contingency	\$ 46,400.00	\$ 46,400.00	\$ 1,310,400.00	
Bridge Removal	\$ 30,000.00	\$ 30,000.00	\$ 0.00	
Total Cost for Structure	\$ 301,600.00	\$ 301,600.00	\$ 8,517,600.00	
Other	\$	\$	\$ 5,500,000.00	
	<b>SUBTOTAL STRUCTURES ITEMS</b>			\$ <b>14,620,800</b>
	(Sum of Total Cost for Structures)			
Railroad Related Costs:	\$ N/A	\$ N/A	\$ 0.00	\$ <b>0</b>
	<b>SUBTOTAL RAILROAD ITEMS</b>			\$ <b>0</b>
	<b>TOTAL STRUCTURES ITEMS</b>			\$ <b>14,620,800</b>

COMMENTS: Assumed no track relocation or shoo fly at structure No. 12.

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 13</u>	<u>No. 14</u>	<u>No. 15</u>	
Bridge Name	Irrigation	Irrigation		
Structure Type	Bridge	Bridge		
Structure Type	RC Slab	RC Slab		
Width (out to out)	116.00	116.00		
Span Lengths	20.00	20.00		
Total Area	2320.00	2320.00		
Footing Type (pile/spread)	Spread	Spread		
Cost Per Square Foot	\$ 100.00	100.00		
Total Cost	\$ 232,000.00	232,000.00		
10% Mobilization	\$ 23,200.00	23,200.00		
20% Contingency	\$ 46,400.00	46,400.00		
Bridge Removal	\$ 30,000.00	30,000.00		
Total Cost for Structure	\$ 301,600.00	\$ 301,600.00	\$	
Other	\$	\$	\$	
	<b>SUBTOTAL STRUCTURES ITEMS</b>			\$ <b>603,200</b>
	(Sum of Total Cost for Structures)			
Railroad Related Costs:	\$ N/A	\$ N/A	\$ 0.00	\$ <b>0</b>
	<b>SUBTOTAL RAILROAD ITEMS</b>			\$ <b>0</b>
	<b>TOTAL STRUCTURES ITEMS</b>			\$ <b>603,200</b>

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**III. RIGHT OF WAY**

	<u>Current Values (Future Use)</u>	<u>Escalation Rates</u>	<u>Escalated Values*</u>
Acquisition, including excess lands, and damages to remainder(s)	\$ 34,815,381	\$ 10%	\$ 38,296,919
Utility Relocation (Agency share)	\$ _____	\$ 10%	\$ 0
Clearance/Demolition	\$ _____	\$ 10%	\$ 0
RAP (Relocation Assistance Program)	\$ _____	\$ 10%	\$ 0
Title and Escrow Fees	\$ _____	\$ 10%	\$ 0
Contingency	\$ _____	\$ 25%	\$ 9,574,230
Total Current R/W	\$ 34,815,381	Total Escalated R/W	\$ 47,871,149
 CONSTRUCTION CONTRACT WORK	\$ _____	\$ 0	\$ 0

\* Anticipated Date of Right of Way Certification \_\_\_\_\_

COMMENTS: Right of Way costs were not developed at the feasibility phase.

Estimate Prepared By \_\_\_\_\_ Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

---

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE SUMMARY**

District-County-Route	<b>10-Sta-SCC</b>
Type of Estimate	<b>Feasibility</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>
Program Code	<b>N/A</b>

**PROJECT DESCRIPTION:**

**Limits:** Interstate 5 to State Route 99 in Stanislaus County

---

**Proposed Construction/Upgrade of Expressway, Bridge Structures, Interchanges, Drainage Facilities**  
**Improvement (Scope):** Road excavation, clearing and grubbing, AC, AB, culverts, sidewalk, curb, gutter, barriers, midwest guardrail systems, erosion control, traffic delineation and traffic control.

---

**Alternative:** 6B - Segments 1, 4, 7, 16, 17, 18 and 30.

---

<b>ROADWAY ITEMS</b>	<b>\$</b>	<b>126,023,000</b>
<b>STRUCTURE ITEMS</b>	<b>\$</b>	<b>104,226,900</b>
<b>SUBTOTAL CONSTRUCTION</b>	<b>\$</b>	<b>230,249,900</b>
<b>RIGHT OF WAY</b>	<b>\$</b>	<b>47,675,253</b>
<b>TOTAL PROJECT</b>	<b>\$</b>	<b>277,925,200</b>

**Reviewed by**      Signature \_\_\_\_\_ Date \_\_\_\_\_

**Lead Roadway Engineer, Kevin Bewsey**

**Approved by**      Signature \_\_\_\_\_ Date \_\_\_\_\_

**Project Manager, Keith Rhodes**



**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	N/A
EA	N/A

<b><u>Section 4 Specialty Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Barrier/ Guardrail	600	LF	\$ 325.00	\$ 195,000	
Terminal End System	20	EA	\$ 2,250.00	\$ 45,000	
Transition System	20	LF	\$ 3,250.00	\$ 65,000	
Temporary Erosion Control	137	AC	\$ 4,356.00	\$ 597,408	
Permanent Erosion Control	137	AC	\$ 4,356.00	\$ 597,408	
				<b><u>Subtotal Specialty Items</u></b>	<b>\$ 1,499,816</b>

<b><u>Section 5 Traffic Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Traffic Delineation Items	106,680	LF	\$ 0.84	\$ 89,611	
Traffic Signals	8	EA	\$ 300,000.00	\$ 2,400,000	
Traffic Control Systems (New Alignment)	1	LS	\$ 16,000.00	\$ 16,000	
Traffic Control Systems (Exist Alignment)	1	LS	\$ 1,685,840.00	\$ 1,685,840	
				<b><u>Subtotal Traffic Items</u></b>	<b>\$ 4,191,451</b>
				<b>TOTAL SECTIONS 1 - 5</b>	<b>\$ 58,690,201</b>

<b><u>Section 6 Minor Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Sidewalk, Curb and Gutter	76,900	LF	\$ 48.00	\$ 3,691,200	
Planting and Irrigation	1	LS	\$ 2,940,000.00	\$ 2,940,000	
Roadside Management & Safety	1	LS	\$ 5,870,000.00	\$ 5,870,000	
Other Minor Items	1	LS	\$ 2,940,000.00	\$ 2,940,000	
				<b><u>Total Minor Items</u></b>	<b>\$ 15,441,200</b>



**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 1</u>	<u>No. 2</u>	<u>No. 3</u>	
Bridge Name	1-5	Aqueduct		
Structure Type	Undercrossing	Bridge	Canal Bridge	
Width (out to out)	CIP/PS BOX	CIP/PS BOX	CIP/PS BOX	
Span Lengths	78.00	78.00	78.00	
Total Area	155.00	250.00	162.00	
Footings Type (pile/spread)	12090.00	19500.00	12636.00	
Cost Per Square Foot	Pile	Pile	Pile	
Total Cost	\$ 200.00	250.00	200.00	
10% Mobilization	\$ 2,418,000.00	4,875,000.00	2,527,200.00	
20% Contingency	\$ 241,800.00	487,500.00	252,720.00	
Bridge Removal	\$ 483,600.00	975,000.00	505,440.00	
Total Cost for Structure	\$ 0.00	0.00	0.00	
Other	\$ 3,143,400.00	\$ 6,337,500.00	\$ 3,285,360.00	
	\$ 20,000,000.00	\$	\$	
		<b>SUBTOTAL STRUCTURES ITEMS</b>	<b>\$ 32,766,260</b>	
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ N/A	\$ N/A	\$ N/A	\$ 0
		<b>SUBTOTAL RAILROAD ITEMS</b>	<b>\$ 0</b>	
		<b>TOTAL STRUCTURES ITEMS</b>	<b>\$ 32,766,260</b>	

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.



**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	No. 4	No. 5	No. 6	
Bridge Name	SR33/UPRR Overcrossing	Irrigation Bridge	Irrigation Bridge	
Structure Type	CIP/PS BOX	RC Slab	RC Slab	
Width (out to out)	78.00	116.00	116.00	
Span Lengths	238.00	20.00	20.00	
Total Area	18564.00	2320.00	2320.00	
Footing Type (pile/spread)	Pile	Spread	Spread	
Cost Per Square Foot	\$ 250.00	100.00	100.00	
Total Cost	\$ 4,641,000.00	232,000.00	232,000.00	
10% Mobilization	\$ 464,100.00	23,200.00	23,200.00	
20% Contingency	\$ 928,200.00	46,400.00	46,400.00	
Bridge Removal	\$ 0.00	30,000.00	30,000.00	
Total Cost for Structure	\$ 6,033,300.00	\$ 301,600.00	\$ 301,600.00	
Other	\$ 17,000,000.00			
		<b>SUBTOTAL STRUCTURES ITEMS</b>	\$ <b>23,636,500</b>	
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ 0.00	\$ N/A	\$ N/A	\$ <b>0</b>
		<b>SUBTOTAL RAILROAD ITEMS</b>	\$ <b>0</b>	
		<b>TOTAL STRUCTURES ITEMS</b>	\$ <b>23,636,500</b>	

COMMENTS: Assumed no track relocation or shoo fly at structure No. 4.

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
(Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 7</u>	<u>No. 8</u>	<u>No. 9</u>	
Bridge Name	Irrigation Bridge	Irrigation Bridge	San Joaquin River Bridge	
Structure Type	RC Slab	RC Slab	CIP/PS BOX	
Width (out to out)	116.00	116.00	78.00	
Span Lengths	20.00	20.00	950.00	
Total Area	2320.00	2320.00	74100.00	
Footing Type (pile/spread)	Spread	Spread	Pile	
Cost Per Square Foot	\$ 100.00	\$ 100.00	\$ 250.00	
Total Cost	\$ 232,000.00	\$ 232,000.00	\$ 18,525,000.00	
10% Mobilization	\$ 23,200.00	\$ 23,200.00	\$ 1,852,500.00	
20% Contingency	\$ 46,400.00	\$ 46,400.00	\$ 3,705,000.00	
Bridge Removal	\$ 30,000.00	\$ 30,000.00	\$ 60,000.00	
Total Cost for Structure	\$ 301,600.00	\$ 301,600.00	\$ 24,082,500.00	
Other	\$ _____	\$ _____	\$ _____	
	<b>SUBTOTAL STRUCTURES ITEMS</b>			\$ <b>24,685,700</b>
	(Sum of Total Cost for Structures)			
Railroad Related Costs:	\$ N/A	\$ N/A	\$ 0.00	\$ <b>0</b>
	<b>SUBTOTAL RAILROAD ITEMS</b>			\$ <b>0</b>
	<b>TOTAL STRUCTURES ITEMS</b>			\$ <b>24,685,700</b>

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	<b>STRUCTURE</b>			
	<u>No. 10</u>	<u>No. 11</u>	<u>No. 12</u>	
Bridge Name	BNSF Railroad	Irrigation	Irrigation	
Structure Type	Grade Separation	Bridge	Bridge	
Width (out to out)	CIP/PS BOX	RC Slab	RC Slab	
Span Lengths	78.00	116.00	116.00	
Total Area	280.00	20.00	20.00	
Footing Type (pile/spread)	21840.00	2320.00	2320.00	
Cost Per Square Foot	Pile	Spread	Spread	
Total Cost	\$ 300.00	100.00	100.00	
10% Mobilization	\$ 13,104,000.00	232,000.00	232,000.00	
20% Contingency	\$ 1,310,400.00	23,200.00	23,200.00	
Bridge Removal	\$ 2,620,800.00	46,400.00	46,400.00	
Total Cost for Structure	\$ 0.00	30,000.00	30,000.00	
Other	\$ 17,035,200.00	\$ 301,600.00	301,600.00	
	\$ 5,500,000.00	\$	\$	
	<b>SUBTOTAL STRUCTURES ITEMS</b>			\$ <b>23,138,400</b>
	(Sum of Total Cost for Structures)			
Railroad Related Costs:	\$ N/A	\$ N/A	\$ 0.00	\$ <b>0</b>
	<b>SUBTOTAL RAILROAD ITEMS</b>			\$ <b>0</b>
	<b>TOTAL STRUCTURES ITEMS</b>			\$ <b>23,138,400</b>

COMMENTS: Assumed no track relocation or shoo fly at structure No. 10.

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

---

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route _____	<b>10-Sta-SCC</b>
KP (PM) _____	N/A
EA _____	N/A

---

**III. RIGHT OF WAY**

	<u>Current Values (Future Use)</u>	<u>Escalation Rates</u>	<u>Escalated Values*</u>
Acquisition, including excess lands, and damages to remainder(s)	\$ 34,672,911	\$ 10%	\$ 38,140,202
Utility Relocation (Agency share)	\$ _____	\$ 10%	\$ 0
Clearance/Demolition	\$ _____	\$ 10%	\$ 0
RAP (Relocation Assistance Program)	\$ _____	\$ 10%	\$ 0
Title and Escrow Fees	\$ _____	\$ 10%	\$ 0
Contingency	\$ _____	\$ 25%	\$ 9,535,051
Total Current R/W	\$ 34,672,911	Total Escalated R/W	\$ 47,675,253
CONSTRUCTION CONTRACT WORK	\$ _____	\$ 0	\$ 0

\* Anticipated Date of Right of Way Certification \_\_\_\_\_

COMMENTS: Right of Way costs were not developed at the feasibility phase.

Estimate Prepared By \_\_\_\_\_ Phone # \_\_\_\_\_ Date \_\_\_\_\_  
(Print Name)

---

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE SUMMARY**

District-County-Route	<b>10-Sta-SCC</b>
Type of Estimate	<b>Feasibility</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>
Program Code	<b>N/A</b>

**PROJECT DESCRIPTION:**

**Limits:** Interstate 5 to State Route 99 in Stanislaus County

---

**Proposed Construction/Upgrade of Expressway, Bridge Structures, Interchanges, Drainage Facilities**  
**Improvement (Scope):** Road excavation, clearing and grubbing, AC, AB, culverts, sidewalk, curb, gutter, barriers, midwest guardrail systems, erosion control, traffic delineation and traffic control.

---

**Alternative:** 6C - Segments 1, 4, 7, 15, 16, 17 and 29.

---

<b>ROADWAY ITEMS</b>	\$	<b>125,313,000</b>
<b>STRUCTURE ITEMS</b>	\$	<b>104,226,900</b>
<b>SUBTOTAL CONSTRUCTION</b>	\$	<b>229,539,900</b>
<b>RIGHT OF WAY</b>	\$	<b>47,678,662</b>
<b>TOTAL PROJECT</b>	\$	<b>277,218,600</b>

**Reviewed by**      Signature \_\_\_\_\_ Date \_\_\_\_\_

**Lead Roadway Engineer, Kevin Bewsey**

**Approved by**      Signature \_\_\_\_\_ Date \_\_\_\_\_

**Project Manager, Keith Rhodes**

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**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	308,216	CY	\$ 11.50	\$ 3,544,484	
Roadway Excavation (Intersection)	165,421	CY	\$ 11.50	\$ 1,902,342	
Develop Water Supply	1	LS	\$ 272,341	\$ 272,341	
Clearing & Grubbing	255	AC	\$ 10,000.00	\$ 2,550,000	
				\$	
				<b>Subtotal Earthwork</b>	<b>\$ 8,269,167</b>

<u>Section 2 Pavement Structural Section</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Hot Mix Asphalt	315,219	TON	\$ 75.00	\$ 23,641,425	
Aggregate Base	311,327	CY	\$ 37.00	\$ 11,519,099	
Geotextile Fabric	474,413	SY	\$ 2.00	\$ 948,827	
				<b>Subtotal Pavement Structural Section</b>	<b>\$ 36,109,351</b>

<u>Section 3 Drainage</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Temporary Dam/Culvert	402	LF	\$ 75.00	\$ 30,150	
Ditch Excavation	34120	CY	\$ 11.50	\$ 392,380	
Project Drainage	76900	LF	\$ 106.00	\$ 8,151,400	
				<b>Subtotal Drainage</b>	<b>\$ 8,573,930</b>

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	N/A
EA	N/A

<b><u>Section 4 Specialty Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Barrier/ Guardrail	600	LF	\$ 325.00	\$ 195,000	
Terminal End System	20	EA	\$ 2,250.00	\$ 45,000	
Transition System	20	LF	\$ 3,250.00	\$ 65,000	
Temporary Erosion Control	137	AC	\$ 4,356.00	\$ 597,464	
Permanent Erosion Control	137	AC	\$ 4,356.00	\$ 597,464	
				<b><u>Subtotal Specialty Items</u></b>	<b>\$ 1,499,928</b>

<b><u>Section 5 Traffic Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Traffic Delineation Items	106,690	LF	\$ 0.84	\$ 89,620	
Traffic Signals	7	EA	\$ 300,000.00	\$ 2,100,000	
Traffic Control Systems (New Alignment)	1	LS	\$ 14,000.00	\$ 14,000	
Traffic Control Systems (Exist Alignment)	1	LS	\$ 1,686,040.00	\$ 1,686,040	
				<b><u>Subtotal Traffic Items</u></b>	<b>\$ 3,889,660</b>
				<b>TOTAL SECTIONS 1 - 5</b>	<b>\$ 58,342,036</b>

<b><u>Section 6 Minor Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Sidewalk, Curb and Gutter	76,900	LF	\$ 48.00	\$ 3,691,200	
Planting and Irrigation	1	LS	\$ 2,920,000.00	\$ 2,920,000	
Roadside Management & Safety	1	LS	\$ 5,840,000.00	\$ 5,840,000	
Other Minor Items	1	LS	\$ 2,920,000.00	\$ 2,920,000	
				<b><u>Total Minor Items</u></b>	<b>\$ 15,371,200</b>





**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	<b>STRUCTURE</b>			
	<u>No. 1</u>	<u>No. 2</u>	<u>No. 3</u>	
	1-5	Aqueduct		
Bridge Name	Undercrossing	Bridge	Canal Bridge	
Structure Type	CIP/PS BOX	CIP/PS BOX	CIP/PS BOX	
Width (out to out)	78.00	78.00	78.00	
Span Lengths	155.00	250.00	162.00	
Total Area	12090.00	19500.00	12636.00	
Footing Type (pile/spread)	Pile	Pile	Pile	
Cost Per Square Foot	\$ 200.00	250.00	200.00	
Total Cost	\$ 2,418,000.00	4,875,000.00	2,527,200.00	
10% Mobilization	\$ 241,800.00	487,500.00	252,720.00	
20% Contingency	\$ 483,600.00	975,000.00	505,440.00	
Bridge Removal	\$ 0.00	0.00	0.00	
Total Cost for Structure	\$ 3,143,400.00	\$ 6,337,500.00	\$ 3,285,360.00	
Other	\$ 20,000,000.00	\$	\$	
		<b><u>SUBTOTAL STRUCTURES ITEMS</u></b>	<b>\$ 32,766,260</b>	
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ N/A	\$ N/A	\$ N/A	\$ 0
		<b><u>SUBTOTAL RAILROAD ITEMS</u></b>	<b>\$ 0</b>	
		<b><u>TOTAL STRUCTURES ITEMS</u></b>	<b>\$ 32,766,260</b>	

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	<b>STRUCTURE</b>			
	<u>No. 4</u>	<u>No. 5</u>	<u>No. 6</u>	
Bridge Name	SR33/UPRR	Irrigation	Irrigation	
Structure Type	Overcrossing	Bridge	Bridge	
Width (out to out)	CIP/PS BOX	RC Slab	RC Slab	
Span Lengths	78.00	116.00	116.00	
Total Area	238.00	20.00	20.00	
Footing Type (pile/spread)	18564.00	2320.00	2320.00	
Cost Per Square Foot	Pile	Spread	Spread	
Total Cost	\$ 250.00	100.00	100.00	
10% Mobilization	\$ 4,641,000.00	232,000.00	232,000.00	
20% Contingency	\$ 464,100.00	23,200.00	23,200.00	
Bridge Removal	\$ 928,200.00	46,400.00	46,400.00	
Total Cost for Structure	\$ 0.00	30,000.00	30,000.00	
Other	\$ 6,033,300.00	\$ 301,600.00	\$ 301,600.00	
	\$ 17,000,000.00	\$	\$	
		<b>SUBTOTAL STRUCTURES ITEMS</b>	<b>\$ 23,636,500</b>	
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ 0.00	\$ N/A	\$ N/A	\$ 0
		<b>SUBTOTAL RAILROAD ITEMS</b>	<b>\$ 0</b>	
		<b>TOTAL STRUCTURES ITEMS</b>	<b>\$ 23,636,500</b>	

COMMENTS: Assumed no track relocation or shoo fly at structure No. 4.

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 7</u>	<u>No. 8</u>	<u>No. 9</u>	
Bridge Name	Irrigation Bridge	Irrigation Bridge	San Joaquin River Bridge	
Structure Type	RC Slab	RC Slab	CIP/PS BOX	
Width (out to out)	116.00	116.00	78.00	
Span Lengths	20.00	20.00	950.00	
Total Area	2320.00	2320.00	74100.00	
Footing Type (pile/spread)	Spread	Spread	Pile	
Cost Per Square Foot	\$ 100.00	\$ 100.00	\$ 250.00	
Total Cost	\$ 232,000.00	\$ 232,000.00	\$ 18,525,000.00	
10% Mobilization	\$ 23,200.00	\$ 23,200.00	\$ 1,852,500.00	
20% Contingency	\$ 46,400.00	\$ 46,400.00	\$ 3,705,000.00	
Bridge Removal	\$ 30,000.00	\$ 30,000.00	\$ 60,000.00	
Total Cost for Structure	\$ 301,600.00	\$ 301,600.00	\$ 24,082,500.00	
Other	\$ _____	\$ _____	\$ _____	
	<b>SUBTOTAL STRUCTURES ITEMS</b>			\$ <b>24,685,700</b>
	(Sum of Total Cost for Structures)			
Railroad Related Costs:	\$ N/A	\$ N/A	\$ 0.00	\$ <b>0</b>
	<b>SUBTOTAL RAILROAD ITEMS</b>			\$ <b>0</b>
	<b>TOTAL STRUCTURES ITEMS</b>			\$ <b>24,685,700</b>

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	<b>STRUCTURE</b>			
	<u>No. 10</u>	<u>No. 11</u>	<u>No. 12</u>	
Bridge Name	BNSF Railroad	Irrigation	Irrigation	
Structure Type	Grade Separation	Bridge	Bridge	
Width (out to out)	CIP/PS BOX	RC Slab	RC Slab	
Span Lengths	78.00	116.00	116.00	
Total Area	280.00	20.00	20.00	
Footing Type (pile/spread)	21840.00	2320.00	2320.00	
Cost Per Square Foot	Pile	Spread	Spread	
Total Cost	\$ 300.00	100.00	100.00	
10% Mobilization	\$ 13,104,000.00	232,000.00	232,000.00	
20% Contingency	\$ 1,310,400.00	23,200.00	23,200.00	
Bridge Removal	\$ 2,620,800.00	46,400.00	46,400.00	
Total Cost for Structure	\$ 0.00	30,000.00	30,000.00	
Other	\$ 17,035,200.00	\$ 301,600.00	301,600.00	
	\$ 5,500,000.00	\$	\$	
	<b>SUBTOTAL STRUCTURES ITEMS</b>			\$ <b>23,138,400</b>
	(Sum of Total Cost for Structures)			
Railroad Related Costs:	\$ N/A	\$ N/A	\$ 0.00	\$ <b>0</b>
	<b>SUBTOTAL RAILROAD ITEMS</b>			\$ <b>0</b>
	<b>TOTAL STRUCTURES ITEMS</b>			\$ <b>23,138,400</b>

COMMENTS: Assumed no track relocation or shoo fly at structure No. 10.

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**III. RIGHT OF WAY**

	<u>Current Values (Future Use)</u>	<u>Escalation Rates</u>	<u>Escalated Values*</u>
Acquisition, including excess lands, and damages to remainder(s)	\$ <u>34,675,390</u>	\$ <u>10%</u>	\$ <u>38,142,929</u>
Utility Relocation (Agency share)	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Clearance/Demolition	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
RAP (Relocation Assistance Program)	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Title and Escrow Fees	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Contingency		\$ <u>25%</u>	\$ <u>9,535,732</u>
Total Current R/W	\$ <u>34,675,390</u>	Total Escalated R/W	\$ <u>47,678,662</u>
 CONSTRUCTION CONTRACT WORK	\$ _____	\$ <u>0</u>	\$ <u>0</u>

\* Anticipated Date of Right of Way Certification \_\_\_\_\_

COMMENTS: Right of Way costs were not developed at the feasibility phase.

Estimate Prepared By \_\_\_\_\_ Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

---

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE SUMMARY**

District-County-Route	<b>10-Sta-SCC</b>
Type of Estimate	<b>Feasibility</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>
Program Code	<b>N/A</b>

**PROJECT DESCRIPTION:**

**Limits:** Interstate 5 to State Route 99 in Stanislaus County

---

**Proposed Improvement (Scope):** Construction/Upgrade of Expressway, Bridge Structures, Interchanges, Drainage Facilities  
 Road excavation, clearing and grubbing, AC, AB, culverts, sidewalk, curb, gutter, barriers,  
 midwest guardrail systems, erosion control, traffic delineation and traffic control.

---

**Alternative:** 7A - Segments 1, 4, 9, 11, 14, 15 and 16.

---

<b>ROADWAY ITEMS</b>	<b>\$</b>	<b>122,362,000</b>
<b>STRUCTURE ITEMS</b>	<b>\$</b>	<b>105,849,300</b>
<b>SUBTOTAL CONSTRUCTION</b>	<b>\$</b>	<b>228,211,300</b>
<b>RIGHT OF WAY</b>	<b>\$</b>	<b>44,428,472</b>
<b>TOTAL PROJECT</b>	<b>\$</b>	<b>272,639,800</b>

**Reviewed by**      Signature \_\_\_\_\_ Date \_\_\_\_\_

**Lead Roadway Engineer, Kevin Bewsey**

**Approved by**      Signature \_\_\_\_\_ Date \_\_\_\_\_

**Project Manager, Keith Rhodes**

---

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**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	301,383	CY	\$ 11.50	\$ 3,465,905	
Roadway Excavation (Intersection)	165,421	CY	\$ 11.50	\$ 1,902,342	
Develop Water Supply	1	LS	\$ 268,412	\$ 268,412	
Clearing & Grubbing	250	AC	\$ 10,000.00	\$ 2,500,000	
			\$	\$	
				<b><u>Subtotal Earthwork</u></b>	<b>\$ 8,136,659</b>

<u>Section 2 Pavement Structural Section</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Hot Mix Asphalt	305,151	TON	\$ 75.00	\$ 22,886,325	
Aggregate Base	301,384	CY	\$ 37.00	\$ 11,151,208	
Geotextile Fabric	364,303	SY	\$ 2.00	\$ 728,607	
				<b><u>Subtotal Pavement Structural Section</u></b>	<b>\$ 34,766,140</b>

<u>Section 3 Drainage</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Temporary Dam/Culvert	402	LF	\$ 75.00	\$ 30,150	
Ditch Excavation	32940	CY	\$ 11.50	\$ 378,810	
Project Drainage	76890	LF	\$ 106.00	\$ 8,150,340	
				<b><u>Subtotal Drainage</u></b>	<b>\$ 8,559,300</b>

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	N/A
EA	N/A

<b><u>Section 4 Specialty Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Barrier/ Guardrail	640	LF	\$ 325.00	\$ 208,000	
Terminal End System	22	EA	\$ 2,250.00	\$ 49,500	
Transition System	22	LF	\$ 3,250.00	\$ 71,500	
Temporary Erosion Control	134	AC	\$ 4,356.00	\$ 584,220	
Permanent Erosion Control	134	AC	\$ 4,356.00	\$ 584,220	
				<b><u>Subtotal Specialty Items</u></b>	<b>\$ 1,497,440</b>

<b><u>Section 5 Traffic Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Traffic Delineation Items	104,325	LF	\$ 0.84	\$ 87,633	
Traffic Signals	7	EA	\$ 300,000.00	\$ 2,100,000	
Traffic Control Systems (New Alignment)	1	LS	\$ 14,000.00	\$ 14,000	
Traffic Control Systems (Exist Alignment)	1	LS	\$ 1,735,520.00	\$ 1,735,520	
				<b><u>Subtotal Traffic Items</u></b>	<b>\$ 3,937,153</b>
				<b>TOTAL SECTIONS 1 - 5</b>	<b>\$ 56,896,692</b>

<b><u>Section 6 Minor Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Sidewalk, Curb and Gutter	76,890	LF	\$ 48.00	\$ 3,690,720	
Planting and Irrigation	1	LS	\$ 2,850,000.00	\$ 2,850,000	
Roadside Management & Safety	1	LS	\$ 5,690,000.00	\$ 5,690,000	
Other Minor Items	1	LS	\$ 2,850,000.00	\$ 2,850,000	
				<b><u>Total Minor Items</u></b>	<b>\$ 15,080,720</b>





**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 1</u>	<u>No. 2</u>	<u>No. 3</u>	
Bridge Name	1-5	Aqueduct		
Structure Type	Undercrossing	Bridge	Canal Bridge	
Width (out to out)	CIP/PS BOX	CIP/PS BOX	CIP/PS BOX	
Span Lengths	78.00	78.00	78.00	
Total Area	155.00	250.00	162.00	
Footings Type (pile/spread)	12090.00	19500.00	12636.00	
Cost Per Square Foot	Pile	Pile	Pile	
Total Cost	\$ 200.00	250.00	200.00	
10% Mobilization	\$ 2,418,000.00	4,875,000.00	2,527,200.00	
20% Contingency	\$ 241,800.00	487,500.00	252,720.00	
Bridge Removal	\$ 483,600.00	975,000.00	505,440.00	
Total Cost for Structure	\$ 0.00	0.00	0.00	
Other	\$ 3,143,400.00	\$ 6,337,500.00	\$ 3,285,360.00	
	\$ 20,000,000.00	\$	\$	
		<b>SUBTOTAL STRUCTURES ITEMS</b>	<b>\$ 32,766,260</b>	
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ N/A	\$ N/A	\$ N/A	\$ 0
		<b>SUBTOTAL RAILROAD ITEMS</b>	<b>\$ 0</b>	
		<b>TOTAL STRUCTURES ITEMS</b>	<b>\$ 32,766,260</b>	

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	No. 4	No. 5	No. 6	
Bridge Name	SR33/UPRR	Irrigation	Irrigation	
Structure Type	Overcrossing	Bridge	Bridge	
Width (out to out)	CIP/PS BOX	RC Slab	RC Slab	
Span Lengths	78.00	116.00	116.00	
Total Area	238.00	20.00	20.00	
Footing Type (pile/spread)	18564.00	2320.00	2320.00	
Cost Per Square Foot	Pile	Spread	Spread	
Total Cost	\$ 250.00	100.00	100.00	
10% Mobilization	\$ 4,641,000.00	232,000.00	232,000.00	
20% Contingency	\$ 464,100.00	23,200.00	23,200.00	
Bridge Removal	\$ 928,200.00	46,400.00	46,400.00	
Total Cost for Structure	\$ 0.00	30,000.00	30,000.00	
Other	\$ 6,033,300.00	\$ 301,600.00	\$ 301,600.00	
	\$ 17,000,000.00	\$	\$	
		<b>SUBTOTAL STRUCTURES ITEMS</b>	<b>\$ 23,636,500</b>	
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ 0.00	\$ N/A	\$ N/A	\$ 0
		<b>SUBTOTAL RAILROAD ITEMS</b>	<b>\$ 0</b>	
		<b>TOTAL STRUCTURES ITEMS</b>	<b>\$ 23,636,500</b>	

COMMENTS: Assumed no track relocation or shoo fly at structure No. 4.

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**II. STRUCTURE ITEMS**

**STRUCTURE**

	<u>No. 7</u>	<u>No. 8</u>	<u>No. 9</u>
Bridge Name	Irrigation	Irrigation	Old Las Palmas
Structure Type	Bridge	Bridge	Canal
Structure Type	RC Slab	RC Slab	RC Box
Width (out to out)	116.00	116.00	78.00
Span Lengths	20.00	20.00	80.00
Total Area	2320.00	2320.00	6240.00
Footing Type (pile/spread)	Spread	Spread	Pile
Cost Per Square Foot	\$ 100.00	\$ 100.00	\$ 200.00
Total Cost	\$ 232,000.00	\$ 232,000.00	\$ 1,248,000.00
10% Mobilization	\$ 23,200.00	\$ 23,200.00	\$ 124,800.00
20% Contingency	\$ 46,400.00	\$ 46,400.00	\$ 249,600.00
Bridge Removal	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00
Total Cost for Structure	\$ 301,600.00	\$ 301,600.00	\$ 1,622,400.00
Other	\$ _____	\$ _____	\$ _____

**SUBTOTAL STRUCTURES ITEMS**    \$ 2,225,600  
(Sum of Total Cost for Structures)

Railroad Related Costs:    \$ N/A    \$ N/A    \$ 0.00    \$ 0

**SUBTOTAL RAILROAD ITEMS**    \$ 0

**TOTAL STRUCTURES ITEMS**    \$ 2,225,600

COMMENTS:

Estimate Prepared By    Dean Zurcher    Phone #    \_\_\_\_\_    Date    \_\_\_\_\_  
(Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	No. 10	No. 11	No. 12	
Bridge Name	Las Palmas Bridge	BNSF Railroad Grade	Irrigation Bridge	
Structure Type	CIP/PS BOX	CIP/PS BOX	RC Slab	
Width (out to out)	78.00	78.00	116.00	
Span Lengths	950.00	280.00	20.00	
Total Area	74100.00	21840.00	2320.00	
Footing Type (pile/spread)	Pile	Pile	Spread	
Cost Per Square Foot	\$ 250.00	300.00	100.00	
Total Cost	\$ 18,525,000.00	13,104,000.00	232,000.00	
10% Mobilization	\$ 1,852,500.00	1,310,400.00	23,200.00	
20% Contingency	\$ 3,705,000.00	2,620,800.00	46,400.00	
Bridge Removal	\$ 60,000.00	0.00	30,000.00	
Total Cost for Structure	\$ 24,082,500.00	\$ 17,035,200.00	\$ 301,600.00	
Other		\$ 5,500,000.00		
<b>SUBTOTAL STRUCTURES ITEMS</b>				\$ <b>46,919,300</b>
(Sum of Total Cost for Structures)				
Railroad Related Costs:	\$ N/A	\$ N/A	\$ 0.00	\$ <b>0</b>
<b>SUBTOTAL RAILROAD ITEMS</b>				\$ <b>0</b>
<b>TOTAL STRUCTURES ITEMS</b>				\$ <b>46,919,300</b>

COMMENTS: Assumed no track relocation or shoo fly at structure No. 11.

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
(Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 13</u>	<u>No. 14</u>	<u>No. 15</u>	
	Irrigation			
Bridge Name	Bridge	_____	_____	
Structure Type	RC Slab	_____	_____	
Width (out to out)	116.00	_____	_____	
Span Lengths	20.00	_____	_____	
Total Area	2320.00	_____	_____	
Footing Type (pile/spread)	Spread	_____	_____	
Cost Per Square Foot	\$ 100.00	_____	_____	
Total Cost	\$ 232,000.00	_____	_____	
10% Mobilization	\$ 23,200.00	_____	_____	
20% Contingency	\$ 46,400.00	_____	_____	
Bridge Removal	\$ 30,000.00	_____	_____	
Total Cost for Structure	\$ 301,600.00	\$ _____	\$ _____	
Other	\$ _____	\$ _____	\$ _____	
	<b>SUBTOTAL STRUCTURES ITEMS</b>			<b>\$ 301,600</b>
	(Sum of Total Cost for Structures)			
Railroad Related Costs:	\$ <u>N/A</u>	\$ <u>N/A</u>	\$ <u>0.00</u>	\$ <u>0</u>
	<b>SUBTOTAL RAILROAD ITEMS</b>			<b>\$ 0</b>
	<b>TOTAL STRUCTURES ITEMS</b>			<b>\$ 301,600</b>

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**III. RIGHT OF WAY**

	<u>Current Values (Future Use)</u>	<u>Escalation Rates</u>	<u>Escalated Values*</u>
Acquisition, including excess lands, and damages to remainder(s)	\$ <u>32,311,616</u>	\$ <u>10%</u>	\$ <u>35,542,778</u>
Utility Relocation (Agency share)	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Clearance/Demolition	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
RAP (Relocation Assistance Program)	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Title and Escrow Fees	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Contingency	\$ _____	\$ <u>25%</u>	\$ <u>8,885,694</u>
Total Current R/W	\$ <u>32,311,616</u>	Total Escalated R/W	\$ <u>44,428,472</u>
 CONSTRUCTION CONTRACT WORK	\$ _____	\$ <u>0</u>	\$ <u>0</u>

\* Anticipated Date of Right of Way Certification \_\_\_\_\_

COMMENTS: Right of Way costs were not developed at the feasibility phase.

Estimate Prepared By \_\_\_\_\_ Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

---

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE SUMMARY**

District-County-Route	<b>10-Sta-SCC</b>
Type of Estimate	<b>Feasibility</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>
Program Code	<b>N/A</b>

**PROJECT DESCRIPTION:**

**Limits:** Interstate 5 to State Route 99 in Stanislaus County

---

**Proposed Construction/Upgrade of Expressway, Bridge Structures, Interchanges, Drainage Facilities**  
**Improvement (Scope):** Road excavation, clearing and grubbing, AC, AB, culverts, sidewalk, curb, gutter, barriers, midwest guardrail systems, erosion control, traffic delineation and traffic control.

---

**Alternative:** 7G - Segments 2, 4, 9, 11, 14, 15 and 16.

---

<b>ROADWAY ITEMS</b>	<b>\$</b>	<b>125,539,000</b>
<b>STRUCTURE ITEMS</b>	<b>\$</b>	<b>98,092,200</b>
<b>SUBTOTAL CONSTRUCTION</b>	<b>\$</b>	<b>223,631,200</b>
<b>RIGHT OF WAY</b>	<b>\$</b>	<b>45,866,604</b>
<b>TOTAL PROJECT</b>	<b>\$</b>	<b>269,497,800</b>

**Reviewed by**      Signature \_\_\_\_\_ Date \_\_\_\_\_

**Lead Roadway Engineer, Kevin Bewsey**

**Approved by**      Signature \_\_\_\_\_ Date \_\_\_\_\_

**Project Manager, Keith Rhodes**





**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	N/A
EA	N/A

<b><u>Section 4 Specialty Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Barrier/ Guardrail	640	LF	\$ 325.00	\$ 208,000	
Terminal End System	22	EA	\$ 2,250.00	\$ 49,500	
Transition System	22	LF	\$ 3,250.00	\$ 71,500	
Temporary Erosion Control	136	AC	\$ 4,356.00	\$ 593,740	
Permanent Erosion Control	136	AC	\$ 4,356.00	\$ 593,740	
				<b><u>Subtotal Specialty Items</u></b>	<b>\$ 1,516,480</b>

<b><u>Section 5 Traffic Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Traffic Delineation Items	106,025	LF	\$ 0.84	\$ 89,061	
Traffic Signals	7	EA	\$ 300,000.00	\$ 2,100,000	
Traffic Control Systems (New Alignment)	1	LS	\$ 14,000.00	\$ 14,000	
Traffic Control Systems (Exist Alignment)	1	LS	\$ 1,735,520.00	\$ 1,735,520	
				<b><u>Subtotal Traffic Items</u></b>	<b>\$ 3,938,581</b>
				<b>TOTAL SECTIONS 1 - 5</b>	<b>\$ 58,312,365</b>

<b><u>Section 6 Minor Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Sidewalk, Curb and Gutter	80,290	LF	\$ 48.00	\$ 3,853,920	
Planting and Irrigation	1	LS	\$ 2,920,000.00	\$ 2,920,000	
Roadside Management & Safety	1	LS	\$ 5,840,000.00	\$ 5,840,000	
Other Minor Items	1	LS	\$ 2,920,000.00	\$ 2,920,000	
				<b><u>Total Minor Items</u></b>	<b>\$ 15,533,920</b>

---

## PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

### Section 7 Roadway Mobilization

(Subtotal Sections 1-6)    \$ 73,846,285    x    (10%)    =    \$ 7,384,629

**Total Roadway Mobilization**    \$ 7,384,629

### Section 8 Roadway Additions

Supplemental Work  
(Subtotal Sections 1-6)    \$ 73,846,285    x    (10%)    =    \$ 7,384,629

Contingencies  
(Subtotal Sections 1-6)    \$ 73,846,285    x    (50%)    =    \$ 36,923,143

**Total Roadway Additions**    \$ 44,307,772

**TOTAL ROADWAY ITEMS**    125,538,686  
(Total Sections 1 - 8)

Estimate Prepared By	<u>Dean Zurcher</u> (Print Name)	Phone # <u>                    </u>	Date <u>                    </u>
Estimate Checked By	<u>Kevin Bewsey</u> (Print Name)	Phone # <u>                    </u>	Date <u>                    </u>

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 1</u>	<u>No. 2</u>	<u>No. 3</u>	
Bridge Name	1-5	Aqueduct		
Structure Type	Undercrossing	Bridge	Canal Bridge	
Width (out to out)	CIP/PS BOX	CIP/PS BOX	CIP/PS BOX	
Span Lengths	78.00	78.00	78.00	
Total Area	155.00	250.00	162.00	
Footings Type (pile/spread)	12090.00	19500.00	12636.00	
Cost Per Square Foot	Pile	Pile	Pile	
Total Cost	\$ 200.00	250.00	200.00	
10% Mobilization	\$ 2,418,000.00	4,875,000.00	2,527,200.00	
20% Contingency	\$ 241,800.00	487,500.00	252,720.00	
Bridge Removal	\$ 483,600.00	975,000.00	505,440.00	
Total Cost for Structure	\$ 0.00	0.00	0.00	
Other	\$ 3,143,400.00	\$ 6,337,500.00	\$ 3,285,360.00	
	\$ 20,000,000.00	\$	\$	
		<b>SUBTOTAL STRUCTURES ITEMS</b>	<b>\$ 32,766,260</b>	
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ N/A	\$ N/A	\$ N/A	\$ 0
		<b>SUBTOTAL RAILROAD ITEMS</b>	<b>\$ 0</b>	
		<b>TOTAL STRUCTURES ITEMS</b>	<b>\$ 32,766,260</b>	

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	<b>STRUCTURE</b>			
	<u>No. 4</u>	<u>No. 5</u>	<u>No. 6</u>	
Bridge Name	Creek	SR33/UPRR	Irrigation	
Structure Type	<u>Overcrossing</u>	<u>Overcrossing</u>	<u>Bridge</u>	
Width (out to out)	<u>RC Box</u>	<u>CIP/PS BOX</u>	<u>RC Slab</u>	
Span Lengths	<u>78.00</u>	<u>78.00</u>	<u>116.00</u>	
Total Area	<u>50.00</u>	<u>238.00</u>	<u>20.00</u>	
Footing Type (pile/spread)	<u>3900.00</u>	<u>18564.00</u>	<u>2320.00</u>	
Cost Per Square Foot	<u>Spread</u>	<u>Pile</u>	<u>Spread</u>	
Total Cost	\$ <u>150.00</u>	\$ <u>250.00</u>	\$ <u>100.00</u>	
10% Mobilization	\$ <u>585,000.00</u>	\$ <u>4,641,000.00</u>	\$ <u>232,000.00</u>	
20% Contingency	\$ <u>58,500.00</u>	\$ <u>464,100.00</u>	\$ <u>23,200.00</u>	
Bridge Removal	\$ <u>117,000.00</u>	\$ <u>928,200.00</u>	\$ <u>46,400.00</u>	
Total Cost for Structure	\$ <u>0.00</u>	\$ <u>0.00</u>	\$ <u>30,000.00</u>	
Other	\$ <u>760,500.00</u>	\$ <u>6,033,300.00</u>	\$ <u>301,600.00</u>	
	\$ <u>17,000,000.00</u>			
<b>SUBTOTAL STRUCTURES ITEMS</b>				\$ <b><u>24,095,400</u></b>
(Sum of Total Cost for Structures)				
Railroad Related Costs:	\$ <u>0.00</u>	\$ <u>N/A</u>	\$ <u>N/A</u>	\$ <b><u>0</u></b>
<b>SUBTOTAL RAILROAD ITEMS</b>				\$ <b><u>0</u></b>
<b>TOTAL STRUCTURES ITEMS</b>				\$ <b><u>24,095,400</u></b>

COMMENTS: Assumed no track relocation or shoo fly at structure No. 4.

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 7</u>	<u>No. 8</u>	<u>No. 9</u>	
Bridge Name	Irrigation Bridge	Irrigation Bridge	Irrigation Bridge	
Structure Type	RC Slab	RC Slab	RC Slab	
Width (out to out)	116.00	116.00	116.00	
Span Lengths	20.00	20.00	20.00	
Total Area	2320.00	2320.00	2320.00	
Footing Type (pile/spread)	Spread	Spread	Spread	
Cost Per Square Foot	\$ 100.00	\$ 100.00	\$ 100.00	
Total Cost	\$ 232,000.00	\$ 232,000.00	\$ 232,000.00	
10% Mobilization	\$ 23,200.00	\$ 23,200.00	\$ 23,200.00	
20% Contingency	\$ 46,400.00	\$ 46,400.00	\$ 46,400.00	
Bridge Removal	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00	
Total Cost for Structure	\$ 301,600.00	\$ 301,600.00	\$ 301,600.00	
Other	\$	\$	\$	
	<b>SUBTOTAL STRUCTURES ITEMS</b>			\$ <b>904,800</b>
	(Sum of Total Cost for Structures)			
Railroad Related Costs:	\$ N/A	\$ N/A	\$ 0.00	\$ <b>0</b>
	<b>SUBTOTAL RAILROAD ITEMS</b>			\$ <b>0</b>
	<b>TOTAL STRUCTURES ITEMS</b>			\$ <b>904,800</b>

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	<b>STRUCTURE</b>			
	<u>No. 10</u>	<u>No. 11</u>	<u>No. 12</u>	
Bridge Name	Old Las Palmas Canal	Las Palmas Bridge	BNSF Railroad Grade Separation	
Structure Type	RC Box	CIP/PS BOX	CIP/PS BOX	
Width (out to out)	78.00	78.00	78.00	
Span Lengths	80.00	950.00	280.00	
Total Area	6240.00	74100.00	21840.00	
Footing Type (pile/spread)	Pile	Pile	Pile	
Cost Per Square Foot	\$ 200.00	250.00	300.00	
Total Cost	\$ 1,248,000.00	18,525,000.00	6,552,000.00	
10% Mobilization	\$ 124,800.00	1,852,500.00	655,200.00	
20% Contingency	\$ 249,600.00	3,705,000.00	1,310,400.00	
Bridge Removal	\$ 30,000.00	60,000.00	0.00	
Total Cost for Structure	\$ 1,622,400.00	\$ 24,082,500.00	\$ 8,517,600.00	
Other	\$	\$	\$ 5,500,000.00	
		<b><u>SUBTOTAL STRUCTURES ITEMS</u></b>	<b>\$ 39,722,500</b>	
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ N/A	\$ N/A	\$ 0.00	\$ 0
		<b><u>SUBTOTAL RAILROAD ITEMS</u></b>	<b>\$ 0</b>	
		<b><u>TOTAL STRUCTURES ITEMS</u></b>	<b>\$ 39,722,500</b>	

COMMENTS: Assumed no track relocation or shoo fly at structure No. 12.

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 13</u>	<u>No. 14</u>	<u>No. 15</u>	
Bridge Name	Irrigation	Irrigation		
Structure Type	Bridge	Bridge		
Structure Type	RC Slab	RC Slab		
Width (out to out)	116.00	116.00		
Span Lengths	20.00	20.00		
Total Area	2320.00	2320.00		
Footing Type (pile/spread)	Spread	Spread		
Cost Per Square Foot	\$ 100.00	100.00		
Total Cost	\$ 232,000.00	232,000.00		
10% Mobilization	\$ 23,200.00	23,200.00		
20% Contingency	\$ 46,400.00	46,400.00		
Bridge Removal	\$ 30,000.00	30,000.00		
Total Cost for Structure	\$ 301,600.00	\$ 301,600.00	\$	
Other	\$	\$	\$	
	<b>SUBTOTAL STRUCTURES ITEMS</b>			\$ <b>603,200</b>
	(Sum of Total Cost for Structures)			
Railroad Related Costs:	\$ N/A	\$ N/A	\$ 0.00	\$ <b>0</b>
	<b>SUBTOTAL RAILROAD ITEMS</b>			\$ <b>0</b>
	<b>TOTAL STRUCTURES ITEMS</b>			\$ <b>603,200</b>

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.



**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**III. RIGHT OF WAY**

	<u>Current Values (Future Use)</u>	<u>Escalation Rates</u>	<u>Escalated Values*</u>
Acquisition, including excess lands, and damages to remainder(s)	\$ <u>33,357,530</u>	\$ <u>10%</u>	\$ <u>36,693,283</u>
Utility Relocation (Agency share)	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Clearance/Demolition	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
RAP (Relocation Assistance Program)	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Title and Escrow Fees	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Contingency		\$ <u>25%</u>	\$ <u>9,173,321</u>
Total Current R/W	\$ <u>33,357,530</u>	Total Escalated R/W	\$ <u>45,866,604</u>
 CONSTRUCTION CONTRACT WORK	\$ _____	\$ <u>0</u>	\$ <u>0</u>

\* Anticipated Date of Right of Way Certification \_\_\_\_\_

COMMENTS: Right of Way costs were not developed at the feasibility phase.

Estimate Prepared By \_\_\_\_\_ Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

---

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE SUMMARY**

District-County-Route	<b>10-Sta-SCC</b>
Type of Estimate	<b>Feasibility</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>
Program Code	<b>N/A</b>

**PROJECT DESCRIPTION:**

**Limits:** Interstate 5 to State Route 99 in Stanislaus County

**Proposed Improvement (Scope):** Construction/Upgrade of Expressway, Bridge Structures, Interchanges, Drainage Facilities  
Road excavation, clearing and grubbing, AC, AB, culverts, sidewalk, curb, gutter, barriers, midwest guardrail systems, erosion control, traffic delineation and traffic control.

**Alternative:** 10C - Segments 21, 26, 27, 15 and 16.

<b>ROADWAY ITEMS</b>	\$	<b>105,076,000</b>
<b>STRUCTURE ITEMS</b>	\$	<b>80,656,600</b>
<b>SUBTOTAL CONSTRUCTION</b>	\$	<b>185,732,600</b>
<b>RIGHT OF WAY</b>	\$	<b>42,968,687</b>
<b>TOTAL PROJECT</b>	\$	<b>228,701,300</b>

**Reviewed by**      Signature \_\_\_\_\_ Date \_\_\_\_\_

**Lead Roadway Engineer, Kevin Bewsey**

**Approved by**      Signature \_\_\_\_\_ Date \_\_\_\_\_

**Project Manager, Keith Rhodes**



**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	N/A
EA	N/A

<b><u>Section 4 Specialty Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Barrier/ Guardrail	440	LF	\$ 325.00	\$ 143,000	
Terminal End System	14	EA	\$ 2,250.00	\$ 31,500	
Transition System	14	LF	\$ 3,250.00	\$ 45,500	
Temporary Erosion Control	135	AC	\$ 4,356.00	\$ 589,792	
Permanent Erosion Control	135	AC	\$ 4,356.00	\$ 589,792	
				<b><u>Subtotal Specialty Items</u></b>	<b>\$ 1,399,584</b>

<b><u>Section 5 Traffic Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Traffic Delineation Items	105,320	LF	\$ 0.84	\$ 88,469	
Traffic Signals	4	EA	\$ 300,000.00	\$ 1,200,000	
Traffic Control Systems (New Alignment)	1	LS	\$ 8,000.00	\$ 8,000	
Traffic Control Systems (Exist Alignment)	1	LS	\$ 1,826,660.00	\$ 1,826,660	
				<b><u>Subtotal Traffic Items</u></b>	<b>\$ 3,123,129</b>
				<b>TOTAL SECTIONS 1 - 5</b>	<b>\$ 50,722,914</b>

<b><u>Section 6 Minor Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Sidewalk, Curb and Gutter	19,300	LF	\$ 48.00	\$ 926,400	
Planting and Irrigation	1	LS	\$ 2,540,000.00	\$ 2,540,000	
Roadside Management & Safety	1	LS	\$ 5,080,000.00	\$ 5,080,000	
Other Minor Items	1	LS	\$ 2,540,000.00	\$ 2,540,000	
				<b><u>Total Minor Items</u></b>	<b>\$ 11,086,400</b>



**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 1</u>	<u>No. 2</u>	<u>No. 3</u>	
Bridge Name	1-5	Aqueduct	Creek	
Structure Type	<u>Undercrossing</u>	<u>Bridge</u>	<u>Overcrossing</u>	
Width (out to out)	<u>CIP/PS BOX</u>	<u>CIP/PS BOX</u>	<u>RC Box</u>	
Span Lengths	<u>78.00</u>	<u>78.00</u>	<u>78.00</u>	
Total Area	<u>155.00</u>	<u>250.00</u>	<u>50.00</u>	
Footings Type (pile/spread)	<u>12090.00</u>	<u>19500.00</u>	<u>3900.00</u>	
Cost Per Square Foot	<u>Pile</u>	<u>Pile</u>	<u>Spread</u>	
Total Cost	\$ <u>200.00</u>	\$ <u>250.00</u>	\$ <u>150.00</u>	
10% Mobilization	\$ <u>2,418,000.00</u>	\$ <u>4,875,000.00</u>	\$ <u>585,000.00</u>	
20% Contingency	\$ <u>241,800.00</u>	\$ <u>487,500.00</u>	\$ <u>58,500.00</u>	
Bridge Removal	\$ <u>483,600.00</u>	\$ <u>975,000.00</u>	\$ <u>117,000.00</u>	
Total Cost for Structure	\$ <u>0.00</u>	\$ <u>0.00</u>	\$ <u>0.00</u>	
Other	\$ <u>3,143,400.00</u>	\$ <u>6,337,500.00</u>	\$ <u>760,500.00</u>	
	\$ <u>20,000,000.00</u>	\$ _____	\$ _____	
<b>SUBTOTAL STRUCTURES ITEMS</b>				\$ <b><u>30,241,400</u></b>
(Sum of Total Cost for Structures)				
Railroad Related Costs:	\$ <u>N/A</u>	\$ <u>N/A</u>	\$ <u>N/A</u>	\$ <b><u>0</u></b>
<b>SUBTOTAL RAILROAD ITEMS</b>				\$ <b><u>0</u></b>
<b>TOTAL STRUCTURES ITEMS</b>				\$ <b><u>30,241,400</u></b>

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	<b>STRUCTURE</b>			
	<u>No. 4</u>	<u>No. 5</u>	<u>No. 6</u>	
Bridge Name	Canal Bridge	SR33/UPRR Overcrossing	Crows Landing River Overcrossing	
Structure Type	CIP/PS BOX	CIP/PS BOX	CIP/PS BOX	
Width (out to out)	78.00	78.00	39.00	
Span Lengths	162.00	238.00	700.00	
Total Area	12636.00	18564.00	27300.00	
Footing Type (pile/spread)	Pile	Pile	Pile	
Cost Per Square Foot	\$ 200.00	250.00	250.00	
Total Cost	\$ 2,527,200.00	4,641,000.00	6,825,000.00	
10% Mobilization	\$ 252,720.00	464,100.00	682,500.00	
20% Contingency	\$ 505,440.00	928,200.00	1,365,000.00	
Bridge Removal	\$ 0.00	0.00	0.00	
Total Cost for Structure	\$ 3,285,360.00	\$ 6,033,300.00	\$ 8,872,500.00	
Other	\$	\$ 17,000,000.00	\$	
		<b><u>SUBTOTAL STRUCTURES ITEMS</u></b>	<b>\$ 35,191,160</b>	
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ 0.00	\$ N/A	\$ N/A	\$ 0
		<b><u>SUBTOTAL RAILROAD ITEMS</u></b>	<b>\$ 0</b>	
		<b><u>TOTAL STRUCTURES ITEMS</u></b>	<b>\$ 35,191,160</b>	

COMMENTS: Assumed no track relocation or shoo fly at structure No. 4.

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
(Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 7</u>	<u>No. 8</u>	<u>No. 9</u>	
Bridge Name	Irrigation Bridge	Irrigation Bridge	BNSF Railroad Grade Separation	
Structure Type	RC Slab	RC Slab	CIP/PS BOX	
Width (out to out)	116.00	116.00	78.00	
Span Lengths	20.00	20.00	280.00	
Total Area	2320.00	2320.00	21840.00	
Footing Type (pile/spread)	Spread	Spread	Pile	
Cost Per Square Foot	\$ 100.00	\$ 100.00	\$ 300.00	
Total Cost	\$ 232,000.00	\$ 232,000.00	\$ 6,552,000.00	
10% Mobilization	\$ 23,200.00	\$ 23,200.00	\$ 655,200.00	
20% Contingency	\$ 46,400.00	\$ 46,400.00	\$ 1,310,400.00	
Bridge Removal	\$ 30,000.00	\$ 30,000.00	\$ 0.00	
Total Cost for Structure	\$ 301,600.00	\$ 301,600.00	\$ 8,517,600.00	
Other	\$	\$	\$ 5,500,000.00	
	<b>SUBTOTAL STRUCTURES ITEMS</b>			\$ <b>14,620,800</b>
	(Sum of Total Cost for Structures)			
Railroad Related Costs:	\$ N/A	\$ N/A	\$ 0.00	\$ <b>0</b>
	<b>SUBTOTAL RAILROAD ITEMS</b>			\$ <b>0</b>
	<b>TOTAL STRUCTURES ITEMS</b>			\$ <b>14,620,800</b>

COMMENTS: Assumed no track relocation or shoo fly at structure No. 9.

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.



**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 10</u>	<u>No. 11</u>	<u>No. 12</u>	
Bridge Name	Irrigation	Irrigation		
Structure Type	Bridge	Bridge		
Structure Type	RC Slab	RC Slab		
Width (out to out)	116.00	116.00		
Span Lengths	20.00	20.00		
Total Area	2320.00	2320.00		
Footing Type (pile/spread)	Spread	Spread		
Cost Per Square Foot	\$ 100.00	\$ 100.00		
Total Cost	\$ 232,000.00	\$ 232,000.00		
10% Mobilization	\$ 23,200.00	\$ 23,200.00		
20% Contingency	\$ 46,400.00	\$ 46,400.00		
Bridge Removal	\$ 30,000.00	\$ 30,000.00		
Total Cost for Structure	\$ 301,600.00	\$ 301,600.00		
Other	\$ _____	\$ _____	\$ _____	
	<b>SUBTOTAL STRUCTURES ITEMS</b>			\$ <b>603,200</b>
	(Sum of Total Cost for Structures)			
Railroad Related Costs:	\$ N/A	\$ N/A	\$ 0.00	\$ <b>0</b>
	<b>SUBTOTAL RAILROAD ITEMS</b>			\$ <b>0</b>
	<b>TOTAL STRUCTURES ITEMS</b>			\$ <b>603,200</b>

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**III. RIGHT OF WAY**

	<u>Current Values (Future Use)</u>	<u>Escalation Rates</u>	<u>Escalated Values*</u>
Acquisition, including excess lands, and damages to remainder(s)	\$ <u>31,249,954</u>	\$ <u>10%</u>	\$ <u>34,374,949</u>
Utility Relocation (Agency share)	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Clearance/Demolition	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
RAP (Relocation Assistance Program)	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Title and Escrow Fees	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Contingency		\$ <u>25%</u>	\$ <u>8,593,737</u>
Total Current R/W	\$ <u>31,249,954</u>	Total Escalated R/W	\$ <u>42,968,687</u>
 CONSTRUCTION CONTRACT WORK	\$ _____	\$ <u>0</u>	\$ <u>0</u>

\* Anticipated Date of Right of Way Certification \_\_\_\_\_

COMMENTS: Right of Way costs were not developed at the feasibility phase.

Estimate Prepared By \_\_\_\_\_ Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

---

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE SUMMARY**

District-County-Route	<b>10-Sta-SCC</b>
Type of Estimate	<b>Feasibility</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>
Program Code	<b>N/A</b>

**PROJECT DESCRIPTION:**

**Limits:** Interstate 5 to State Route 99 in Stanislaus County

---

**Proposed Construction/Upgrade of Expressway, Bridge Structures, Interchanges, Drainage Facilities**  
**Improvement (Scope):** Road excavation, clearing and grubbing, AC, AB, culverts, sidewalk, curb, gutter, barriers, midwest guardrail systems, erosion control, traffic delineation and traffic control.

---

**Alternative:** 10E - Segments 21, 26, 28 and 16.

---

<b>ROADWAY ITEMS</b>	<b>\$</b>	<b>106,423,000</b>
<b>STRUCTURE ITEMS</b>	<b>\$</b>	<b>75,156,600</b>
<b>SUBTOTAL CONSTRUCTION</b>	<b>\$</b>	<b>181,579,600</b>
<b>RIGHT OF WAY</b>	<b>\$</b>	<b>42,941,414</b>
<b>TOTAL PROJECT</b>	<b>\$</b>	<b>224,521,000</b>

**Reviewed by**      Signature \_\_\_\_\_ Date \_\_\_\_\_

**Lead Roadway Engineer, Kevin Bewsey**

**Approved by**      Signature \_\_\_\_\_ Date \_\_\_\_\_

**Project Manager, Keith Rhodes**

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	N/A
EA	N/A

**I. ROADWAY ITEMS**

<b><u>Section 1 Earthwork</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Roadway Excavation	304,027	CY	\$ 11.50	\$ 3,496,311	
Roadway Excavation (Intersection)	165,421	CY	\$ 11.50	\$ 1,902,342	
Develop Water Supply	1	LS	\$ 269,933	\$ 269,933	
Clearing & Grubbing	252	AC	\$ 10,000.00	\$ 2,520,000	
			\$	\$	
				<b><u>Subtotal Earthwork</u></b>	<b>\$ 8,188,586</b>

<b><u>Section 2 Pavement Structural Section</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Hot Mix Asphalt	310,527	TON	\$ 75.00	\$ 23,289,525	
Aggregate Base	306,694	CY	\$ 37.00	\$ 11,347,678	
Geotextile Fabric	409,933	SY	\$ 2.00	\$ 819,867	
				<b><u>Subtotal Pavement Structural Section</u></b>	<b>\$ 35,457,070</b>

<b><u>Section 3 Drainage</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Temporary Dam/Culvert	402	LF	\$ 75.00	\$ 30,150	
Ditch Excavation	47795	CY	\$ 11.50	\$ 549,643	
Project Drainage	19300	LF	\$ 106.00	\$ 2,045,800	
				<b><u>Subtotal Drainage</u></b>	<b>\$ 2,625,593</b>

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	N/A
EA	N/A

<b><u>Section 4 Specialty Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Barrier/ Guardrail	440	LF	\$ 325.00	\$ 143,000	
Terminal End System	14	EA	\$ 2,250.00	\$ 31,500	
Transition System	14	LF	\$ 3,250.00	\$ 45,500	
Temporary Erosion Control	135	AC	\$ 4,356.00	\$ 589,344	
Permanent Erosion Control	135	AC	\$ 4,356.00	\$ 589,344	
				<b><u>Subtotal Specialty Items</u></b>	<b>\$ 1,398,688</b>

<b><u>Section 5 Traffic Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Traffic Delineation Items	105,240	LF	\$ 0.84	\$ 88,402	
Traffic Signals	6	EA	\$ 300,000.00	\$ 1,800,000	
Traffic Control Systems (New Alignment)	1	LS	\$ 12,000.00	\$ 12,000	
Traffic Control Systems (Exist Alignment)	1	LS	\$ 1,825,060.00	\$ 1,825,060	
				<b><u>Subtotal Traffic Items</u></b>	<b>\$ 3,725,462</b>
				<b>TOTAL SECTIONS 1 - 5</b>	<b>\$ 51,395,399</b>

<b><u>Section 6 Minor Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Sidewalk, Curb and Gutter	19,300	LF	\$ 48.00	\$ 926,400	
Planting and Irrigation	1	LS	\$ 2,570,000.00	\$ 2,570,000	
Roadside Management & Safety	1	LS	\$ 5,140,000.00	\$ 5,140,000	
Other Minor Items	1	LS	\$ 2,570,000.00	\$ 2,570,000	
				<b><u>Total Minor Items</u></b>	<b>\$ 11,206,400</b>



**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	<b>STRUCTURE</b>			
	<u>No. 1</u>	<u>No. 2</u>	<u>No. 3</u>	
Bridge Name	1-5	Aqueduct	Creek	
Structure Type	Undercrossing	Bridge	Overcrossing	
Width (out to out)	CIP/PS BOX	CIP/PS BOX	RC Box	
Span Lengths	78.00	78.00	78.00	
Total Area	155.00	250.00	50.00	
Footings Type (pile/spread)	12090.00	19500.00	3900.00	
Cost Per Square Foot	Pile	Pile	Spread	
Total Cost	\$ 200.00	250.00	150.00	
10% Mobilization	\$ 2,418,000.00	4,875,000.00	585,000.00	
20% Contingency	\$ 241,800.00	487,500.00	58,500.00	
Bridge Removal	\$ 483,600.00	975,000.00	117,000.00	
Total Cost for Structure	\$ 0.00	0.00	0.00	
Other	\$ 3,143,400.00	\$ 6,337,500.00	\$ 760,500.00	
	\$ 20,000,000.00	\$	\$	
		<b>SUBTOTAL STRUCTURES ITEMS</b>	<b>\$ 30,241,400</b>	
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ N/A	\$ N/A	\$ N/A	\$ 0
		<b>SUBTOTAL RAILROAD ITEMS</b>	<b>\$ 0</b>	
		<b>TOTAL STRUCTURES ITEMS</b>	<b>\$ 30,241,400</b>	

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	<b>STRUCTURE</b>			
	<u>No. 4</u>	<u>No. 5</u>	<u>No. 6</u>	
Bridge Name	Canal Bridge	SR33/UPRR Overcrossing	Crows Landing River Overcrossing	
Structure Type	CIP/PS BOX	CIP/PS BOX	CIP/PS BOX	
Width (out to out)	78.00	78.00	39.00	
Span Lengths	162.00	238.00	700.00	
Total Area	12636.00	18564.00	27300.00	
Footing Type (pile/spread)	Pile	Pile	Pile	
Cost Per Square Foot	\$ 200.00	250.00	250.00	
Total Cost	\$ 2,527,200.00	4,641,000.00	6,825,000.00	
10% Mobilization	\$ 252,720.00	464,100.00	682,500.00	
20% Contingency	\$ 505,440.00	928,200.00	1,365,000.00	
Bridge Removal	\$ 0.00	0.00	0.00	
Total Cost for Structure	\$ 3,285,360.00	\$ 6,033,300.00	\$ 8,872,500.00	
Other	\$	\$ 17,000,000.00	\$	
		<b><u>SUBTOTAL STRUCTURES ITEMS</u></b>	<b>\$ 35,191,160</b>	
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ 0.00	\$ N/A	\$ N/A	\$ 0
		<b><u>SUBTOTAL RAILROAD ITEMS</u></b>	<b>\$ 0</b>	
		<b><u>TOTAL STRUCTURES ITEMS</u></b>	<b>\$ 35,191,160</b>	

COMMENTS: Assumed no track relocation or shoo fly at structure No. 4.

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.



**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 7</u>	<u>No. 8</u>	<u>No. 9</u>	
Bridge Name	Irrigation Bridge	Irrigation Bridge	BNSF Railroad Grade Separation	
Structure Type	RC Slab	RC Slab	CIP/PS BOX	
Width (out to out)	116.00	116.00	78.00	
Span Lengths	20.00	20.00	280.00	
Total Area	2320.00	2320.00	21840.00	
Footing Type (pile/spread)	Spread	Spread	Pile	
Cost Per Square Foot	\$ 100.00	\$ 100.00	\$ 300.00	
Total Cost	\$ 232,000.00	\$ 232,000.00	\$ 6,552,000.00	
10% Mobilization	\$ 23,200.00	\$ 23,200.00	\$ 655,200.00	
20% Contingency	\$ 46,400.00	\$ 46,400.00	\$ 1,310,400.00	
Bridge Removal	\$ 30,000.00	\$ 30,000.00	\$ 0.00	
Total Cost for Structure	\$ 301,600.00	\$ 301,600.00	\$ 8,517,600.00	
Other	\$ _____	\$ _____	\$ _____	
	<b>SUBTOTAL STRUCTURES ITEMS</b>			\$ <b>9,120,800</b>
	(Sum of Total Cost for Structures)			
Railroad Related Costs:	\$ N/A	\$ N/A	\$ 0.00	\$ <b>0</b>
	<b>SUBTOTAL RAILROAD ITEMS</b>			\$ <b>0</b>
	<b>TOTAL STRUCTURES ITEMS</b>			\$ <b>9,120,800</b>

COMMENTS: Assumed no track relocation or shoo fly at structure No. 9.

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**II. STRUCTURE ITEMS**

	<u>STRUCTURE</u>			
	<u>No. 10</u>	<u>No. 11</u>	<u>No. 12</u>	
Bridge Name	Irrigation	Irrigation		
Structure Type	Bridge	Bridge		
Structure Type	RC Slab	RC Slab		
Width (out to out)	116.00	116.00		
Span Lengths	20.00	20.00		
Total Area	2320.00	2320.00		
Footing Type (pile/spread)	Spread	Spread		
Cost Per Square Foot	\$ 100.00	100.00		
Total Cost	\$ 232,000.00	232,000.00		
10% Mobilization	\$ 23,200.00	23,200.00		
20% Contingency	\$ 46,400.00	46,400.00		
Bridge Removal	\$ 30,000.00	30,000.00		
Total Cost for Structure	\$ 301,600.00	\$ 301,600.00		
Other	\$ _____	\$ _____	\$ _____	
	<b><u>SUBTOTAL STRUCTURES ITEMS</u></b>			<b>\$ 603,200</b>
	(Sum of Total Cost for Structures)			
Railroad Related Costs:	\$ N/A	\$ N/A	\$ 0.00	\$ 0
	<b><u>SUBTOTAL RAILROAD ITEMS</u></b>			<b>\$ 0</b>
	<b><u>TOTAL STRUCTURES ITEMS</u></b>			<b>\$ 603,200</b>

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**III. RIGHT OF WAY**

	<u>Current Values (Future Use)</u>	<u>Escalation Rates</u>	<u>Escalated Values*</u>
Acquisition, including excess lands, and damages to remainder(s)	\$ <u>31,230,119</u>	\$ <u>10%</u>	\$ <u>34,353,131</u>
Utility Relocation (Agency share)	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Clearance/Demolition	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
RAP (Relocation Assistance Program)	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Title and Escrow Fees	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Contingency		\$ <u>25%</u>	\$ <u>8,588,283</u>
Total Current R/W	\$ <u>31,230,119</u>	Total Escalated R/W	\$ <u>42,941,414</u>
 CONSTRUCTION CONTRACT WORK	\$ _____	\$ <u>0</u>	\$ <u>0</u>

\* Anticipated Date of Right of Way Certification \_\_\_\_\_

COMMENTS: Right of Way costs were not developed at the feasibility phase.

Estimate Prepared By \_\_\_\_\_ Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

---

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE SUMMARY**

District-County-Route	<b>10-Sta-SCC</b>
Type of Estimate	<b>Feasibility</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>
Program Code	<b>N/A</b>

**PROJECT DESCRIPTION:**

**Limits:** Interstate 5 to State Route 99 in Stanislaus County

---

**Proposed Construction/Upgrade of Expressway, Bridge Structures, Interchanges, Drainage Facilities**  
**Improvement (Scope):** Road excavation, clearing and grubbing, AC, AB, culverts, sidewalk, curb, gutter, barriers, midwest guardrail systems, erosion control, traffic delineation and traffic control.

---

**Alternative:** 12E - Segments 22, 25, 26, 28 and 16.

---

<b>ROADWAY ITEMS</b>	<b>\$</b>	<b>104,595,000</b>
<b>STRUCTURE ITEMS</b>	<b>\$</b>	<b>74,697,700</b>
<b>SUBTOTAL CONSTRUCTION</b>	<b>\$</b>	<b>179,292,700</b>
<b>RIGHT OF WAY</b>	<b>\$</b>	<b>40,516,162</b>
<b>TOTAL PROJECT</b>	<b>\$</b>	<b>219,808,900</b>

**Reviewed by**      Signature \_\_\_\_\_ Date \_\_\_\_\_

**Lead Roadway Engineer, Kevin Bewsey**

**Approved by**      Signature \_\_\_\_\_ Date \_\_\_\_\_

**Project Manager, Keith Rhodes**



**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	N/A
EA	N/A

<b><u>Section 4 Specialty Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Barrier/ Guardrail	440	LF	\$ 325.00	\$ 143,000	
Terminal End System	14	EA	\$ 2,250.00	\$ 31,500	
Transition System	14	LF	\$ 3,250.00	\$ 45,500	
Temporary Erosion Control	134	AC	\$ 4,356.00	\$ 584,864	
Permanent Erosion Control	134	AC	\$ 4,356.00	\$ 584,864	
				<b><u>Subtotal Specialty Items</u></b>	<b>\$ 1,389,728</b>

<b><u>Section 5 Traffic Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Traffic Delineation Items	104,440	LF	\$ 0.84	\$ 87,730	
Traffic Signals	6	EA	\$ 300,000.00	\$ 1,800,000	
Traffic Control Systems (New Alignment)	1	LS	\$ 12,000.00	\$ 12,000	
Traffic Control Systems (Exist Alignment)	1	LS	\$ 1,894,300.00	\$ 1,894,300	
				<b><u>Subtotal Traffic Items</u></b>	<b>\$ 3,794,030</b>
				<b>TOTAL SECTIONS 1 - 5</b>	<b>\$ 50,490,194</b>

<b><u>Section 6 Minor Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Sidewalk, Curb and Gutter	19,300	LF	\$ 48.00	\$ 926,400	
Planting and Irrigation	1	LS	\$ 2,530,000.00	\$ 2,530,000	
Roadside Management & Safety	1	LS	\$ 5,050,000.00	\$ 5,050,000	
Other Minor Items	1	LS	\$ 2,530,000.00	\$ 2,530,000	
				<b><u>Total Minor Items</u></b>	<b>\$ 11,036,400</b>



**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 1</u>	<u>No. 2</u>	<u>No. 3</u>	
Bridge Name	1-5	Aqueduct	Irrigation	
Structure Type	Undercrossing	Bridge	Bridge	
Width (out to out)	CIP/PS BOX	CIP/PS BOX	RC Slab	
Span Lengths	78.00	78.00	116.00	
Total Area	155.00	250.00	20.00	
Footing Type (pile/spread)	12090.00	19500.00	2320.00	
Cost Per Square Foot	Pile	Pile	Spread	
Total Cost	\$ 200.00	250.00	100.00	
10% Mobilization	\$ 2,418,000.00	4,875,000.00	232,000.00	
20% Contingency	\$ 241,800.00	487,500.00	23,200.00	
Bridge Removal	\$ 483,600.00	975,000.00	46,400.00	
Total Cost for Structure	\$ 100,000.00	60,000.00	30,000.00	
Other	\$ 3,143,400.00	\$ 6,337,500.00	\$ 301,600.00	
	\$ 20,000,000.00	\$	\$	
		<b>SUBTOTAL STRUCTURES ITEMS</b>	<b>\$ 29,782,500</b>	
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ N/A	\$ N/A	\$ N/A	\$ 0
		<b>SUBTOTAL RAILROAD ITEMS</b>	<b>\$ 0</b>	
		<b>TOTAL STRUCTURES ITEMS</b>	<b>\$ 29,782,500</b>	

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.



**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	<b>STRUCTURE</b>			
	<u>No. 4</u>	<u>No. 5</u>	<u>No. 6</u>	
Bridge Name	Canal Bridge	SR33/UPRR Overcrossing	Crows Landing River Overcrossing	
Structure Type	CIP/PS BOX	CIP/PS BOX	CIP/PS BOX	
Width (out to out)	78.00	78.00	39.00	
Span Lengths	162.00	238.00	700.00	
Total Area	12636.00	18564.00	27300.00	
Footing Type (pile/spread)	Pile	Pile	Pile	
Cost Per Square Foot	\$ 200.00	250.00	250.00	
Total Cost	\$ 2,527,200.00	4,641,000.00	6,825,000.00	
10% Mobilization	\$ 252,720.00	464,100.00	682,500.00	
20% Contingency	\$ 505,440.00	928,200.00	1,365,000.00	
Bridge Removal	\$ 30,000.00	0.00	0.00	
Total Cost for Structure	\$ 3,285,360.00	\$ 6,033,300.00	\$ 8,872,500.00	
Other	\$ _____	\$ 17,000,000.00	\$ _____	
		<b><u>SUBTOTAL STRUCTURES ITEMS</u></b>	<b>\$ 35,191,160</b>	
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ 0.00	\$ N/A	\$ N/A	\$ 0
		<b><u>SUBTOTAL RAILROAD ITEMS</u></b>	<b>\$ 0</b>	
		<b><u>TOTAL STRUCTURES ITEMS</u></b>	<b>\$ 35,191,160</b>	

COMMENTS: Assumed no track relocation or shoo fly at structure No. 4.

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 7</u>	<u>No. 8</u>	<u>No. 9</u>	
Bridge Name	Irrigation Bridge	Irrigation Bridge	BNSF Railroad Grade Separation	
Structure Type	RC Slab	RC Slab	CIP/PS BOX	
Width (out to out)	116.00	116.00	78.00	
Span Lengths	20.00	20.00	280.00	
Total Area	2320.00	2320.00	21840.00	
Footing Type (pile/spread)	Spread	Spread	Pile	
Cost Per Square Foot	\$ 100.00	\$ 100.00	\$ 300.00	
Total Cost	\$ 232,000.00	\$ 232,000.00	\$ 6,552,000.00	
10% Mobilization	\$ 23,200.00	\$ 23,200.00	\$ 655,200.00	
20% Contingency	\$ 46,400.00	\$ 46,400.00	\$ 1,310,400.00	
Bridge Removal	\$ 30,000.00	\$ 30,000.00	\$ 0.00	
Total Cost for Structure	\$ 301,600.00	\$ 301,600.00	\$ 8,517,600.00	
Other	\$ _____	\$ _____	\$ _____	
<b>SUBTOTAL STRUCTURES ITEMS</b>				<b>\$ 9,120,800</b>
(Sum of Total Cost for Structures)				
Railroad Related Costs:	\$ N/A	\$ N/A	\$ 0.00	\$ 0
<b>SUBTOTAL RAILROAD ITEMS</b>				<b>\$ 0</b>
<b>TOTAL STRUCTURES ITEMS</b>				<b>\$ 9,120,800</b>

COMMENTS: Assumed no track relocation or shoo fly at structure No. 9.

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
(Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**II. STRUCTURE ITEMS**

	<u>STRUCTURE</u>			
	<u>No. 10</u>	<u>No. 11</u>	<u>No. 12</u>	
Bridge Name	Irrigation	Irrigation		
Structure Type	Bridge	Bridge		
Structure Type	RC Slab	RC Slab		
Width (out to out)	116.00	116.00		
Span Lengths	20.00	20.00		
Total Area	2320.00	2320.00		
Footing Type (pile/spread)	Spread	Spread		
Cost Per Square Foot	\$ 100.00	\$ 100.00		
Total Cost	\$ 232,000.00	\$ 232,000.00		
10% Mobilization	\$ 23,200.00	\$ 23,200.00		
20% Contingency	\$ 46,400.00	\$ 46,400.00		
Bridge Removal	\$ 30,000.00	\$ 30,000.00		
Total Cost for Structure	\$ 301,600.00	\$ 301,600.00		
Other	\$ _____	\$ _____	\$ _____	
	<b><u>SUBTOTAL STRUCTURES ITEMS</u></b>			<b>\$ 603,200</b>
	(Sum of Total Cost for Structures)			
Railroad Related Costs:	\$ N/A	\$ N/A	\$ 0.00	\$ 0
	<b><u>SUBTOTAL RAILROAD ITEMS</u></b>			<b>\$ 0</b>
	<b><u>TOTAL STRUCTURES ITEMS</u></b>			<b>\$ 603,200</b>

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**III. RIGHT OF WAY**

	<u>Current Values (Future Use)</u>	<u>Escalation Rates</u>	<u>Escalated Values*</u>
Acquisition, including excess lands, and damages to remainder(s)	\$ <u>29,466,299</u>	\$ <u>10%</u>	\$ <u>32,412,929</u>
Utility Relocation (Agency share)	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Clearance/Demolition	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
RAP (Relocation Assistance Program)	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Title and Escrow Fees	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Contingency		\$ <u>25%</u>	\$ <u>8,103,232</u>
Total Current R/W	\$ <u>29,466,299</u>	Total Escalated R/W	\$ <u>40,516,162</u>
 CONSTRUCTION CONTRACT WORK	\$ _____	\$ <u>0</u>	\$ <u>0</u>

\* Anticipated Date of Right of Way Certification \_\_\_\_\_

COMMENTS: Right of Way costs were not developed at the feasibility phase.

Estimate Prepared By \_\_\_\_\_ Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

---

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE SUMMARY**

District-County-Route	<b>10-Sta-SCC</b>
Type of Estimate	<b>Feasibility</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>
Program Code	<b>N/A</b>

**PROJECT DESCRIPTION:**

**Limits:** Interstate 5 to State Route 99 in Stanislaus County

**Proposed Construction/Upgrade of Expressway, Bridge Structures, Interchanges, Drainage Facilities Improvement (Scope):** Road excavation, clearing and grubbing, AC, AB, culverts, sidewalk, curb, gutter, barriers, midwest guardrail systems, erosion control, traffic delineation and traffic control.

**Alternative:** 12H - Segments 23, 25, 26, 27, 15 and 16.

<b>ROADWAY ITEMS</b>	\$	<b>103,479,000</b>
<b>STRUCTURE ITEMS</b>	\$	<b>75,938,900</b>
<b>SUBTOTAL CONSTRUCTION</b>	\$	<b>179,417,900</b>
<b>RIGHT OF WAY</b>	\$	<b>35,575,568</b>
<b>TOTAL PROJECT</b>	\$	<b>214,993,500</b>

**Reviewed by**      Signature \_\_\_\_\_ Date \_\_\_\_\_

**Lead Roadway Engineer, Kevin Bewsey**

**Approved by**      Signature \_\_\_\_\_ Date \_\_\_\_\_

**Project Manager, Keith Rhodes**



**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	N/A
EA	N/A

<b><u>Section 4 Specialty Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Barrier/ Guardrail	440	LF	\$ 325.00	\$ 143,000	
Terminal End System	14	EA	\$ 2,250.00	\$ 31,500	
Transition System	14	LF	\$ 3,250.00	\$ 45,500	
Temporary Erosion Control	134	AC	\$ 4,356.00	\$ 584,388	
Permanent Erosion Control	134	AC	\$ 4,356.00	\$ 584,388	
				<b><u>Subtotal Specialty Items</u></b>	<b>\$ 1,388,776</b>

<b><u>Section 5 Traffic Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Traffic Delineation Items	104,355	LF	\$ 0.84	\$ 87,658	
Traffic Signals	4	EA	\$ 300,000.00	\$ 1,200,000	
Traffic Control Systems (New Alignment)	1	LS	\$ 8,000.00	\$ 8,000	
Traffic Control Systems (Exist Alignment)	1	LS	\$ 2,087,100.00	\$ 2,087,100	
				<b><u>Subtotal Traffic Items</u></b>	<b>\$ 3,382,758</b>
				<b>TOTAL SECTIONS 1 - 5</b>	<b>\$ 49,943,555</b>

<b><u>Section 6 Minor Items</u></b>	<b><u>Quantity</u></b>	<b><u>Unit</u></b>	<b><u>Unit Price</u></b>	<b><u>Item Cost</u></b>	<b><u>Section Cost</u></b>
Sidewalk, Curb and Gutter	19,300	LF	\$ 48.00	\$ 926,400	
Planting and Irrigation	1	LS	\$ 2,500,000.00	\$ 2,500,000	
Roadside Management & Safety	1	LS	\$ 5,000,000.00	\$ 5,000,000	
Other Minor Items	1	LS	\$ 2,500,000.00	\$ 2,500,000	
				<b><u>Total Minor Items</u></b>	<b>\$ 10,926,400</b>





**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 1</u>	<u>No. 2</u>	<u>No. 3</u>	
Bridge Name	1-5	Aqueduct	Irrigation	
Structure Type	Undercrossing	Bridge	Bridge	
Width (out to out)	CIP/PS BOX	CIP/PS BOX	RC Slab	
Span Lengths	78.00	78.00	116.00	
Total Area	155.00	250.00	20.00	
Footing Type (pile/spread)	12090.00	19500.00	2320.00	
Cost Per Square Foot	Pile	Pile	Spread	
Total Cost	\$ 200.00	250.00	100.00	
10% Mobilization	\$ 2,418,000.00	4,875,000.00	232,000.00	
20% Contingency	\$ 241,800.00	487,500.00	23,200.00	
Bridge Removal	\$ 483,600.00	975,000.00	46,400.00	
Total Cost for Structure	\$ 100,000.00	30,000.00	30,000.00	
Other	\$ 3,143,400.00	\$ 6,337,500.00	\$ 301,600.00	
	\$ 20,000,000.00	\$	\$	
		<b>SUBTOTAL STRUCTURES ITEMS</b>	\$	<b>29,782,500</b>
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ N/A	\$ N/A	\$ N/A	\$ 0
		<b>SUBTOTAL RAILROAD ITEMS</b>	\$	<b>0</b>
		<b>TOTAL STRUCTURES ITEMS</b>	\$	<b>29,782,500</b>

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	<b>STRUCTURE</b>			
	<u>No. 4</u>	<u>No. 5</u>	<u>No. 6</u>	
Bridge Name	Canal Bridge	SR33/UPRR	Crows Landing	
Structure Type	CIP/PS BOX	Overcrossing	River Overcrossing	
Width (out to out)	78.00	78.00	39.00	
Span Lengths	162.00	238.00	700.00	
Total Area	12636.00	18564.00	27300.00	
Footing Type (pile/spread)	Pile	Pile	Pile	
Cost Per Square Foot	\$ 200.00	250.00	250.00	
Total Cost	\$ 2,527,200.00	4,641,000.00	6,825,000.00	
10% Mobilization	\$ 252,720.00	464,100.00	682,500.00	
20% Contingency	\$ 505,440.00	928,200.00	1,365,000.00	
Bridge Removal	\$ 30,000.00	0.00	0.00	
Total Cost for Structure	\$ 3,285,360.00	\$ 6,033,300.00	\$ 8,872,500.00	
Other	\$	\$ 17,000,000.00	\$	
		<b><u>SUBTOTAL STRUCTURES ITEMS</u></b>	<b>\$ 35,191,160</b>	
		(Sum of Total Cost for Structures)		
Railroad Related Costs:	\$ 0.00	\$ N/A	\$ N/A	\$ 0
		<b><u>SUBTOTAL RAILROAD ITEMS</u></b>	<b>\$ 0</b>	
		<b><u>TOTAL STRUCTURES ITEMS</u></b>	<b>\$ 35,191,160</b>	

COMMENTS: Assumed no track relocation or shoo fly at structure No. 4.

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<b>10-Sta-SCC</b>
KP (PM)	<b>N/A</b>
EA	<b>N/A</b>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 7</u>	<u>No. 8</u>	<u>No. 9</u>	
Bridge Name	Irrigation Bridge	Irrigation Bridge	BNSF Railroad Grade Separation	
Structure Type	RC Slab	RC Slab	CIP/PS BOX	
Width (out to out)	116.00	116.00	39.00	
Span Lengths	20.00	20.00	280.00	
Total Area	2320.00	2320.00	10920.00	
Footing Type (pile/spread)	Spread	Spread	Pile	
Cost Per Square Foot	\$ 100.00	\$ 100.00	\$ 300.00	
Total Cost	\$ 232,000.00	\$ 232,000.00	\$ 3,276,000.00	
10% Mobilization	\$ 23,200.00	\$ 23,200.00	\$ 327,600.00	
20% Contingency	\$ 46,400.00	\$ 46,400.00	\$ 655,200.00	
Bridge Removal	\$ 30,000.00	\$ 30,000.00	\$ 0.00	
Total Cost for Structure	\$ 301,600.00	\$ 301,600.00	\$ 4,258,800.00	
Other	\$ _____	\$ _____	\$ 5,500,000.00	
	<b>SUBTOTAL STRUCTURES ITEMS</b>			\$ <b>10,362,000</b>
	(Sum of Total Cost for Structures)			
Railroad Related Costs:	\$ N/A	\$ N/A	\$ 0.00	\$ <b>0</b>
	<b>SUBTOTAL RAILROAD ITEMS</b>			\$ <b>0</b>
	<b>TOTAL STRUCTURES ITEMS</b>			\$ <b>10,362,000</b>

COMMENTS: Assumed no track relocation or shoo fly at structure No. 9.

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**II. STRUCTURE ITEMS**

	STRUCTURE			
	<u>No. 10</u>	<u>No. 11</u>	<u>No. 12</u>	
Bridge Name	Irrigation	Irrigation		
Structure Type	Bridge	Bridge		
Structure Type	RC Slab	RC Slab		
Width (out to out)	116.00	116.00		
Span Lengths	20.00	20.00		
Total Area	2320.00	2320.00		
Footing Type (pile/spread)	Spread	Spread		
Cost Per Square Foot	\$ 100.00	\$ 100.00		
Total Cost	\$ 232,000.00	\$ 232,000.00		
10% Mobilization	\$ 23,200.00	\$ 23,200.00		
20% Contingency	\$ 46,400.00	\$ 46,400.00		
Bridge Removal	\$ 30,000.00	\$ 30,000.00		
Total Cost for Structure	\$ 301,600.00	\$ 301,600.00		
Other	\$ _____	\$ _____	\$ _____	
	<b>SUBTOTAL STRUCTURES ITEMS</b>			\$ <b>603,200</b>
	(Sum of Total Cost for Structures)			
Railroad Related Costs:	\$ N/A	\$ N/A	\$ 0.00	\$ <b>0</b>
	<b>SUBTOTAL RAILROAD ITEMS</b>			\$ <b>0</b>
	<b>TOTAL STRUCTURES ITEMS</b>			\$ <b>603,200</b>

COMMENTS:

Estimate Prepared By Dean Zurcher Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)

NOTE: If appropriate, attach additional pages and backup.

**PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE**

District-County-Route	<u>10-Sta-SCC</u>
KP (PM)	<u>N/A</u>
EA	<u>N/A</u>

**III. RIGHT OF WAY**

	<u>Current Values (Future Use)</u>	<u>Escalation Rates</u>	<u>Escalated Values*</u>
Acquisition, including excess lands, and damages to remainder(s)	\$ <u>25,873,140</u>	\$ <u>10%</u>	\$ <u>28,460,455</u>
Utility Relocation (Agency share)	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Clearance/Demolition	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
RAP (Relocation Assistance Program)	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Title and Escrow Fees	\$ _____	\$ <u>10%</u>	\$ <u>0</u>
Contingency		\$ <u>25%</u>	\$ <u>7,115,114</u>
Total Current R/W	\$ <u>25,873,140</u>	Total Escalated R/W	\$ <u>35,575,568</u>
 CONSTRUCTION CONTRACT WORK	\$ _____	\$ <u>0</u>	\$ <u>0</u>

\* Anticipated Date of Right of Way Certification \_\_\_\_\_

COMMENTS: Right of Way costs were not developed at the feasibility phase.

Estimate Prepared By \_\_\_\_\_ Phone # \_\_\_\_\_ Date \_\_\_\_\_  
 (Print Name)