

PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE

District-County-Route 04-SOL-0-DXN
 KP (PM) _____
 EA 04-924104L

Section 6 Minor Items

Item Cost

Section Cost

(Subtotal Sections 1-5) \$ 4,168,500 x (10%) = \$ 416,850

Total Minor Items \$ 416,850

Section 7 Roadway Mobilization

(Subtotal Sections 1-6) \$ 4,585,350 x (0%) = \$ 0

Total Roadway Mobilization \$ 0

Section 8 Roadway Additions

Supplemental Work

(Subtotal Sections 1-6) \$ 4,585,350 x (10%) = \$ 458,535

Contingencies

(Subtotal Sections 1-6) \$ 4,585,350 x (0%) = \$ 0

Total Roadway Additions \$ 458,535

TOTAL ROADWAY ITEMS 5,043,885
 (Total Sections 1 - 8)

Estimate Prepared By _____
 (Print Name)

Phone # (916) 366-6331 Date _____
 Updated _____

Estimate Checked By _____
 (Print Name)

Phone # (916) 366-6331 Date _____
 Updated _____

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II. STRUCTURE ITEMS

	STRUCTURE			
	<u>No. 1</u>	<u>No. 2</u>	<u>No. 3</u>	
Bridge Name	_____	_____	_____	
Structure Type	_____	_____	_____	
Width (out to out)	_____	_____	_____	
Span Lengths	_____	_____	_____	
Total Area	_____	_____	_____	
Footing Type (pile/spread)	_____	_____	_____	
Cost Per Square Meter	\$ _____	_____	_____	
Total Cost	\$ <u>2,668,160</u>	_____	_____	
10% Mobilization	\$ <u>266,816</u>	_____	_____	
20% Contingency	\$ _____	_____	_____	
Total Cost for Structure	\$ <u>2,934,976</u>	\$ _____	\$ _____	
Other	\$ _____	\$ _____	\$ _____	
				<u>SUBTOTAL STRUCTURES ITEMS</u> \$ <u>2,934,976</u>
				(Sum of Total Cost for Structures)
Railroad Related Costs:	\$ _____	\$ _____	\$ _____	\$ <u>0</u>
				<u>SUBTOTAL RAILROAD ITEMS</u> \$ <u>0</u>
				<u>TOTAL STRUCTURES ITEMS</u> \$ <u>2,934,976</u>

COMMENTS:

Estimate Prepared By _____ Phone # (916) 366-6331 Date 12/1/2003
 (Print Name) Updated 2/1/2005

NOTE: If appropriate, attach additional pages and backup.

PRELIMINARY PROJECT CONSTRUCTION COST ESTIMATE

District-County-Route 04-SOL-0-DXN
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III. RIGHT OF WAY

	<u>Current Values</u> <u>(Future Use)</u>	<u>Escalation</u> <u>Rates</u>	<u>Escalated</u> <u>Values*</u>
Acquisition, including excess lands, and damages to remainder(s)	\$ _____	\$ 5%	\$ 0
Utility Relocation (State share)	\$ _____	\$ 10%	\$ 0
Utility Relocation (PG&E overhead)	\$ 105,000	\$ 5%	\$ 110,250
Clearance/Demolition	\$ _____	\$ 10%	\$ 0
RAP (Relocation Assistance Program)	\$ _____	\$ 10%	\$ 0
Title and Escrow Fees	\$ _____	\$ 5%	\$ 0
Total Current R/W	\$ 105,000	Total Escalated R/W	\$ 110,250
CONSTRUCTION CONTRACT WORK	\$ 0	\$ 0	\$ 0

* Anticipated Date of Right of Way Certification May 2006

COMMENTS: Relocate/place new approximately 6 PG&E transmission overhead line poles

R/W Take Total Acreage - 406,000 SF or 9.32 Acres

Estimate Prepared By T. Lopes Phone # 916-366-6331 Date _____
 (Print Name)

TY-LIN INTERNATIONAL

BRIDGE GENERAL PLAN ESTIMATE



OR PLANNING ESTIMATE



DS-D-0016 (REV.5/93)

STRUCTURE PARKWAY BLVD GRADE SEPARATION (2-SPAN_BASE)		BR NO. UNK	RCVD. BY		ESTIMATING GROUP	
TYPE CIP/PS Box Girder with CIDH Pile Shafts		DIST.	CO.	RTE.	P.M.	IN
LENGTH <u>261'-6"</u> x WIDTH <u>82'-0"</u> = AREA <u>21,443</u> SQ FT						OUT

DESIGN SECTION _____	QUANTITIES _____	DATE <u>9/21/2005</u>	ESTIMATE NO. _____
PROJECT INCLUDES <u>1</u> STRUCTURE(S)	QUANTITIES CHCKD. BY _____	DATE _____	PRICED BY _____
AND \$ _____ ROADWORK	CHARGE UNIT AND EA _____	COST INDEX _____	

	CONTRACT ITEMS	UNIT	QUANTITY	PRICE	AMOUNT
1	TEMPORARY RAILING (TYPE K)	LF		\$ 22.00	\$ -
2	STRUCTURE EXCAVATION (BRIDGE)	CY	370	\$ 75.00	\$ 27,750.00
3	STRUCTURE BACKFILL (BRIDGE)	CY	390	\$ 45.00	\$ 17,550.00
4	FURNISH PILING (CLASS 45)	LF	4,032	\$ 25.00	\$ 100,800.00
5	DRIVE PILING (CLASS 45)	EA	72	\$ 1,500.00	\$ 108,000.00
6	60" CAST-IN-DRILLED-HOLE PILING	LF	300	\$ 800.00	\$ 240,000.00
7	STRUCTURAL CONCRETE, BRIDGE (SUPER)	CY	1,670	\$ 650.00	\$ 1,085,500.00
8	STRUCTURAL CONCRETE, BRIDGE (SUB)	CY	125	\$ 650.00	\$ 81,250.00
9	STRUCTURAL CONCRETE, BRIDGE FOOTING	CY	90	\$ 515.00	\$ 46,350.00
10	STRUCTURAL CONCRETE, APPROACH SLAB TYPE N(30S)	CY	165	\$ 515.00	\$ 84,975.00
11	PRESTRESSING STEEL	LB	1	\$ 160,000.00	\$ 160,000.00
12	BAR REINFORCING STEEL (BRIDGE-SUPER)	LB	294,500	\$ 1.00	\$ 294,500.00
13	BAR REINFORCING STEEL (BRIDGE-SUB)	LB	63,000	\$ 1.00	\$ 63,000.00
14	BAR REINFORCING STEEL (BRIDGE-FOOTING)	LB	13,500	\$ 1.00	\$ 13,500.00
15	JOINT SEAL (TYPE B, MR=1")	LF	160	\$ 30.00	\$ 4,800.00
16	CONCRETE BARRIER, TYPE 26 (MODIFIED)	LF	563	\$ 150.00	\$ 84,450.00
17	CHAIN LINK RAILING, TYPE 7	LF	563	\$ 40.00	\$ 22,520.00
18	MSE RETAINING WALL	SF	2,880	\$ 40.00	\$ 115,200.00
19					\$ -
20					\$ -
21					\$ -
22					\$ -
23					\$ -
24					\$ -
25					\$ -
26					\$ -
27					\$ -
28					\$ -
29					\$ -
29					\$ -

ROUTING

1. DESIGN SECTION _____
2. DESIGN A SUPERVISOR _____
3. DESIGN B SUPERVISOR _____
4. PLANNING _____

SUBTOTAL		\$ 2,550,145
MOBILIZATION (10 %)		\$ 255,015
SUBTOTAL STRUCTURE ITEMS		\$ 2,805,160
CONTINGENCIES (20 %)		\$ 561,032
BRIDGE TOTAL (\$ 156.98 /SQ FT)		\$ 3,366,191
BRIDGE REMOVAL (CONTINGENCIES INCL)		
WORK BY RAILROAD OR UTILITY FORCES		
GRAND TOTAL		\$ 3,366,191
FOR BUDGET PURPOSES - USE		\$ 3,367,000

NOTES:

1. Prestressing steel lump sum price was determined using \$2/lb.
2. Add \$220,000 for ~21,800CY of additional imported borrow required for this 2-span alternative (above that for 3-span alternative).
- 3.

ESTIMATING - LAST

TY-LIN INTERNATIONAL

BRIDGE GENERAL PLAN ESTIMATE



OR PLANNING ESTIMATE



DS-D-0016 (REV.5/93)

STRUCTURE PARKWAY BLVD GRADE SEPARATION (3-SPAN_BASE)		BR NO. UNK	RCVD. BY		ESTIMATING GROUP	
TYPE CIP/PS Box Girder with CIDH Pile Shafts		DIST.	CO.	RTE.	P.M.	IN
LENGTH <u>309'-6"</u> x WIDTH <u>82'-0"</u>		= AREA <u>25,379</u> SQ FT		OUT		

DESIGN SECTION _____	QUANTITIES _____	DATE <u>9/21/2005</u>	ESTIMATE NO. _____
PROJECT INCLUDES <u>1</u> STRUCTURE(S)	QUANTITIES CHCKD. BY _____	DATE _____	PRICED BY _____
AND \$ _____ ROADWORK	CHARGE UNIT AND EA _____	COST INDEX _____	

	CONTRACT ITEMS	UNIT	QUANTITY	PRICE	AMOUNT
1	TEMPORARY RAILING (TYPE K)	LF		\$ 22.00	\$ -
2	STRUCTURE EXCAVATION (BRIDGE)	CY	370	\$ 75.00	\$ 27,750.00
3	STRUCTURE BACKFILL (BRIDGE)	CY	390	\$ 45.00	\$ 17,550.00
4	FURNISH PILING (CLASS 45)	LF	4,258	\$ 25.00	\$ 106,450.00
5	DRIVE PILING (CLASS 45)	EA	76	\$ 1,500.00	\$ 114,000.00
6	60" CAST-IN-DRILLED-HOLE PILING	LF	520	\$ 800.00	\$ 416,000.00
7	STRUCTURAL CONCRETE, BRIDGE (SUPER)	CY	1,975	\$ 650.00	\$ 1,283,750.00
8	STRUCTURAL CONCRETE, BRIDGE (SUB)	CY	250	\$ 650.00	\$ 162,500.00
9	STRUCTURAL CONCRETE, BRIDGE FOOTING	CY	90	\$ 515.00	\$ 46,350.00
10	STRUCTURAL CONCRETE, APPROACH SLAB TYPE N(30S)	CY	165	\$ 515.00	\$ 84,975.00
11	PRESTRESSING STEEL	LB	1	\$ 110,000.00	\$ 110,000.00
12	BAR REINFORCING STEEL (BRIDGE-SUPER)	LB	296,000	\$ 1.00	\$ 296,000.00
13	BAR REINFORCING STEEL (BRIDGE-SUB)	LB	105,000	\$ 1.00	\$ 105,000.00
14	BAR REINFORCING STEEL (BRIDGE-FOOTING)	LB	13,500	\$ 1.00	\$ 13,500.00
15	JOINT SEAL (TYPE B, MR=1")	LF	160	\$ 30.00	\$ 4,800.00
16	CONCRETE BARRIER, TYPE 26 (MODIFIED)	LF	659	\$ 150.00	\$ 98,850.00
17	CHAIN LINK RAILING, TYPE 7	LF	659	\$ 40.00	\$ 26,360.00
18	MSE RETAINING WALL	SF		\$ 40.00	\$ -
19					\$ -
20					\$ -
21					\$ -
22					\$ -
23					\$ -
24					\$ -
25					\$ -
26					\$ -
27					\$ -
28					\$ -
29					\$ -
29					\$ -

ROUTING

1. DESIGN SECTION _____
2. DESIGN A SUPERVISOR _____
3. DESIGN B SUPERVISOR _____
4. PLANNING _____

SUBTOTAL		\$ 2,913,835
MOBILIZATION (10 %)		\$ 291,384
SUBTOTAL STRUCTURE ITEMS		\$ 3,205,219
CONTINGENCIES (20 %)		\$ 641,044
BRIDGE TOTAL (\$ 151.55 /SQ FT)		\$ 3,846,262
BRIDGE REMOVAL (CONTINGENCIES INCL)		
WORK BY RAILROAD OR UTILITY FORCES		
GRAND TOTAL		\$ 3,846,262
FOR BUDGET PURPOSES - USE		\$ 3,847,000

NOTES:

1. Prestressing steel lump sum price was determined using \$2/lb.
- 2.
- 3.

ESTIMATING - LAST