# ATTACHMENT H COST ESTIMATES

# **Draft Project Report Cost Estimate**

District-County-Ro	ute 08-Riv- Mid County Parkway
KP(P	M) 28.0/34.3 PM
	EA 08-804-0F3200
Program Co	ode HE-14
PROJECT DESCRIPTION:  Limits Between I-215 and SR-79 in the vicinity of Ramona Expres	cwav.
Elinits Detween 1-213 and 5K-73 in the vicinity of Ramona Expres	sway
Proposed Improvement (Scope): Construction of new 16 mile	six-lane
freeway.	
Alternate: 4 Modified	
SUMMARY OF PROJEC	T COST ESTIMATE
TOTAL ROADWAY ITEMS	\$861,314,967
TOTAL STRUCTURE ITEMS	\$1,040,705,164_
SUBTOTAL CONSTRUCTION COSTS	\$1,902,020,131_
TOTAL RIGHT OF WAY ITEMS	\$197,279,744
TOTAL PROJECT CAPITAL OUTLAY COSTS	\$
Reviewed by District Program Manager (Signature)	Date
Approved by Project Manager (Signature)	Date
Phone No.	

#### I. ROADWAY ITEMS

Section 1 Earthwork	Quantity	<u>Unit</u>		Unit Price		Item Cost	Section Cost
Roadway Excavation	6,585,986	yd3	\$	9	\$	59,273,874	
Imported Borrow	7,777,686	yd3	\$	20	\$	155,553,720	
Disposal Offsite	0	yd3	\$	8	\$	0	
Mass Haul	56,811,494	mi-yd3	\$	1	\$	56,811,494	
Clearing & Grubbing	1	1s	\$	16,479,300	\$	16,479,300	
Develop Water Supply	1	ls	\$	2,963,694	\$	2,963,694	
			_		Sub	total Earthwork	\$ 291,082,081
Section 2 Pavement Structural Section							
	Quantity	<u>Unit</u>		<u>Unit Price</u>		Item Cost	
Jointed Plain Concrete Pavement	150,560	yd3	\$	130	\$	19,572,853	
HMA (Type A) and HMA BB	528,223	ton	\$	80	\$	42,257,845	
Rubberized HMA Gap Graded	164,026	ton	\$	90	\$	14,762,352	
Lean Concrete Base	68,828	yd3	\$	80	\$	5,506,237	
Class 2 - Aggregate Base	796,444	yd3	\$	32	\$	25,486,210	
Class 2 - Aggregate Subbase	78,824	yd3	\$	25	\$	1,970,606	
Edge Drains	30,846	1f	\$	11	\$	339,306	
			Su	ibtotal Paveme	ent Str	uctural Section	\$ 109,895,409
Section 3 Drainage	Quantity	<u>Unit</u>		Unit Price	<u>It</u>	em Cost	
Large Drainage Facilities	0	ea	\$	0	\$	0	
Storm Drains	1	1s	\$	11,153,480	\$	11,153,480	
Concrete Open Lined Channel	0	1f	\$	800	\$	0	
Pumping Plants	0	ls	_	0		0	
Permanent BMP	1	ls	\$	22,363,640	\$	22,363,640	
			-		Su	btotal Drainage	\$ 33,517,120

#### COMMENTS:

Project drainage includes X-Drains, overside, etc.

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Section 4 Specialty Items	Quantity	<u>Unit</u>	<b>Unit Price</b>		Item Cost		Section Cost
Resident Engineer Office Space	1	ls	\$ 384,000	\$	384,000		
Retaining Walls	313,513	ft2	\$ 90	\$	28,216,170		
Retaining Walls (MSE)	0	ft2	\$ 100	\$	0		
Noise Barriers	88,902	ft2	\$ 60	\$_	5,334,120		
Barriers and Guardrails	103,114	<u>lf</u>	\$ 35	\$_	3,608,990		
Highway Planting	430	ac	\$ 49,120	\$_	21,121,600		
Revegetation	0	ac	\$ 10,000	\$_	0		
Erosion Control	259	ac	\$ 35,000	\$_	9,065,000		
Water Pollution Control	1	ls	\$ 7,614,406	\$	7,614,406		
Hazardous Waste Mitigation	3,035,949	yd3	\$ 13	\$	39,467,337		
Environmental Mitigation	1	ls	\$ 6,444,720	\$	6,444,720		
Tieback Walls	0	ls	\$ 1,204,000	\$	0		
				Subt	total Specialty Items	\$	\$121,256,343
Section 5 Traffic Items	Quantity	<u>Unit</u>	<u>Unit Price</u>		<u>Item Cost</u>		Section Cost
Lighting	207	ea	\$ 6,500	\$	1,345,500		
Traffic Delineation Items	277	ln-mi	\$ 10,200	\$	2,825,400		
Traffic Signals	26	ea	\$ 200,000	\$	5,200,000		
Overhead Sign Structures	58	ea	\$ 250,000	\$	14,500,000		
D 1:1 0:		Ca	\$ 250,000	Ψ	14,500,000		
Roadside Signs	520	ea	\$ 250,000	\$	260,000		
Traffic Control Systems				- '-			
· ·	520	ea	\$ 500	\$	260,000		
Traffic Control Systems	520 1	ea Is	\$ 500 \$ 1,238,000	\$ \$	260,000 1,238,000		
Traffic Control Systems Transportation Management Plan	520 1 1	ea ls	\$ 500 \$ 1,238,000 \$ 13,547,040	\$ \$	260,000 1,238,000 13,547,040		
Traffic Control Systems Transportation Management Plan Ramp Metering	520 1 1 35	ea ls ls	\$ 500 \$ 1,238,000 \$ 13,547,040 \$ 60,000	\$_ \$_ \$_	260,000 1,238,000 13,547,040 2,100,000	\$	\$61,015,940
Traffic Control Systems Transportation Management Plan Ramp Metering	520 1 1 35	ea ls ls	\$ 500 \$ 1,238,000 \$ 13,547,040 \$ 60,000 \$ 20,000,000	\$_ \$_ \$_ \$_	260,000 1,238,000 13,547,040 2,100,000 20,000,000	\$ \$	\$61,015,940 \$616,766,893

Section 6 Minor Items	<u>Item Cost</u>	Section Cost
616,766,893 (Subtotal Sections 1 thru 5)	x (5%) = \$ 30,838,345 TOTAL MINOR ITEMS	\$30,838,345
Section 7 Roadway Mobilization  647,605,238  (Subtotal Sections 1 thru 6)	x (10%) \$ 64,760,524 TOTAL ROADWAY MOBILIZATION	\$64,760,524
Section 8 Roadway Additions		
Supplemental Work  647,605,238  (Subtotal Sections 1 thru 6)	x (3%) = \$ 19,428,157	
Contingencies  647,605,238  (Subtotal Sections 1 thru 6)	x (20%) \$ 129,521,048  TOTAL ROADWAY ADDITIONS	\$ 148,949,205
	TOTAL ROADWAY ITEMS (Subtotal Sections 1 thru 8)	\$ 861,314,967
Estimate Prepared By(Print Name)	Phone# Da	ite

Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure	(1) Placentia Ave OH at RR CIP/PS 25.63 125.29 3,211.34 CIDH E \$450 \$1,445,103	(2) Placentia Ave OC at I-215 CIP/PS 34.16 216.16 7,384.00 CIDH E \$450 \$3,322,800	(3)  WN Connector  CIP/PS  41.65  1,364.23  56,791.24  CIDH  C  \$250  \$14,197,810	Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure	
Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure	(4) WN Connector at Webster UC CIP/PS 43.15 221.08 9,514.68 CIDH B \$330 \$3,139,844	(5)  WS Connector  CIP/PS  46.65  2,272.85  106,669.34  CIDH  C  \$250  \$26,667,335	(6) WS Connector at Webster UC CIP/PS 57.42 238.27 13,436.27 CIDH B \$330 \$4,433,969	Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure	
Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure	(7)  SE Connector  CIP/PS  41.65  3,755.96  157,352.03  CIDH  C  \$250  \$39,338,008	(8) SE Connector at Webster UC CIP/PS 41.65 345.82 14,364.46 CIDH B \$330 \$4,740,272	(9)  Webster UC  CIP/PS  61.60  258.97  16,086.23  CIDH  B  \$330  \$5,308,456		
Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure	(10) Cajalco OH at Railroad CIP/PS 47.01 143.15 6,729.37 CIDH E \$450 \$3,028,214				

TOTAL STRUCTURES ITEMS	\$105,621,811
(Sum of Total Cost for Structures)	

COMMENTS: Cost include 10% mobilization and 25% contingency

	(1)	(2)	(3)	
Daides Name	Ramona	Ramona	Indian Ave	Duides Nous
Bridge Name Structure Type	Expwy UC EB CIP/PS	Expwy UC WB CIP/PS	UC EB CIP/PS	Bridge Name Structure Type
Width (out to out) - (ft)	82.65	70.65	96.44	Width (out to o
Span (out to out) - (ft)	585.00	585.00	291.39	Span (out to ou
Total Area (ft2)	48,352.60	42,627.72	27,658.10	Total Area (ft2
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	Footing Type (
Structure Category	В	В	В	Structure Cates
Cost Per ft2 (see comment below)	\$330	\$330	\$330	Cost Per ft2 (se
Total cost for Structure	\$15,956,358	\$14,067,146	\$9,127,174	Total cost for S
	(4)	(5)	(6)	
	Indian Ave	Perris Blvd	Perris Blvd	
Bridge Name	UC WB	UC EB	UC WB	Bridge Name
Structure Type	CIP/PS	CIP/PS	CIP/PS	Structure Type
Width (out to out) - (ft)	71.00	101.55	59.00	Width (out to o
Span (out to out) - (ft)	298.77	310.00	310.00	Span (out to ou
Total Area (ft2)	22,118.97	26,912.08	18,290.00	Total Area (ft2
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	Footing Type (
Structure Category	В	В	В	Structure Categ
Cost Per ft2 (see comment below)	\$330	\$330	\$330	Cost Per ft2 (se
Total cost for Structure	\$7,299,262	\$8,880,987	\$6,035,700	Total cost for S
	(7)	(8)	(9)	
D. 1.1	MCP WB	MCP EB		
Bridge Name	Viaduct	Viaduct	Evans Rd WB	
Structure Type	CIP/PS	CIP/PS	CIP/PS	
Width (out to out) - (ft) Span (out to out) - (ft)	58.65 9,700.00	58.65 9,700.00	111.08 254.66	
Total Area (ft2)	586,301.96	576,114.55	25,810.72	
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	
Structure Category	A	A	В	
Cost Per ft2 (see comment below)	\$350	\$350	\$330	
Total cost for Structure	\$205,205,685	\$201,640,092	\$8,517,537	
	(10)			
Bridge Name	Evans Rd EB			
Structure Type	CIP/PS			
Width (out to out) - (ft)	108.91			
Span (out to out) - (ft)	269.24			
Total Area (ft2)	26,242.78	-		
Footing Type (Pile/Spread) Structure Category	CIDH B		<del></del>	
Cost Per ft2 (see comment below)	\$330			
Tatal and fan Charatana	\$33U \$9,660,119			

- B		 
Structure Type		
Width (out to out) - (ft)		
Span (out to out) - (ft)		
Γotal Area (ft2)		
Footing Type (Pile/Spread)		
Structure Category		
Cost Per ft2 (see comment below)		
Total cost for Structure		
Duidaa Nama		
Bridge Name		
Structure Type		 
Width (out to out) - (ft)		 
Span (out to out) - (ft)		 
Γotal Area (ft2)		 
Footing Type (Pile/Spread)	· · · · · · · · · · · · · · · · · · ·	
Structure Category		 
Cost Per ft2 (see comment below)		
Total cost for Structure		

TOTAL STRUCTURES ITEMS \$485,390,058 (Sum of Total Cost for Structures)

COMMENTS: Cost include 10% mobilization and 25% contingency

Total cost for Structure

STRUCTURE CATEGORY: A=Mainline (Viaduct, bridge over stream/channel), B=Service I/C (OC, UC, local St., ramp), C=System I/C (Connector, separation), D=Land crossing, E=Widening

\$8,660,118

	(1)	(2)	(3) Ramona Exp WB	
Bridge Name	Ramona Exp UC	Ramona Exp UC	on-ramp UC	Bridge Name
Structure Type	CIP/PS	CIP/PS	CIP/PS	Structure Type
Width (out to out) - (ft)	61.80	61.80	40.20	Width (out to out) - (ft)
Span (out to out) - (ft)	253.80	253.80	250.80	Span (out to out) - (ft)
Total Area (ft2)	15,684.84	15,684.84	10,082.16	Total Area (ft2)
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	Footing Type (Pile/Spread)
Structure Category	B	В	В	Structure Category
Cost Per ft2 (see comment below)	\$330	\$330	\$330	Cost Per ft2 (see comment below)
Total cost for Structure	\$5,175,997	\$5,175,997	\$3,327,113	Total cost for Structure
	(4)	(5)	(6)	
Bridge Name	Bernasconi	San Jacinto River	San Jacinto River	Bridge Name
Structure Type	CIP/PS	CIP/PS	CIP/PS	Structure Type
Width (out to out) - (ft)	54.80	62.00	62.00	Width (out to out) - (ft)
Span (out to out) - (ft)	419.50	2,985.40	2,985.40	Span (out to out) - (ft)
Total Area (ft2)	22,988.60	185,094.64	185,094.64	Total Area (ft2)
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	Footing Type (Pile/Spread)
Structure Category	В	A	A	Structure Category
Cost Per ft2 (see comment below)	\$330	\$350	\$350	Cost Per ft2 (see comment below)
Total cost for Structure	\$7,586,238	\$64,783,125	\$64,783,125	Total cost for Structure
	(7)	(8)	(9)	
Bridge Name	Reservoir	Town Center	Park Center	
Structure Type	CIP/PS	CIP/PS	CIP/PS	
Width (out to out) - (ft)	118.30	108.80	124.80	
Span (out to out) - (ft)	300.00	309.00	295.00	
Total Area (ft2)	35,490.00	33,619.20	36,816.00	
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	
Structure Category	В	В	В	
Cost Per ft2 (see comment below)	\$330	\$330	\$330	
Total cost for Structure	\$11,711,700	\$11,094,336	\$12,149,280	
	(10)			
Bridge Name	Wildlife Crossing			
Structure Type	Galv steel			
Width (out to out) - (ft)				
Span (out to out) - (ft)			_ <del></del>	
TD - 1 4 (C:0)				

TOTAL STRUCTURES ITEMS	\$186,345,911

(Sum of Total Cost for Structures)

COMMENTS: Cost include 10% mobilization and 25% contingency

Total Area (ft2)

Footing Type (Pile/Spread) Cost Per ft2 (see comment below)

Total cost for Structure

STRUCTURE CATEGORY: A=Mainline (Viaduct, bridge over stream/channel), B=Service I/C (OC, UC, local St., ramp), C=System I/C (Connector, separation), D=Land crossing, E=Widening

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\$559,000

	(1)	(2)	(3)	
Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure	Warren OC CIP/PS 128.50 314.00 40,349.00 CIDH B \$330 \$13,315,170	Warren CIP/PS 119.80 180.00 21,564.00 CIDH B \$330 \$7,116,120	Ramona Bridge	Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure
	(4)	(5)	(6)	
Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure	MCP Bridge CIP/PS 94.50 572.00 54,054.00 CIDH B \$330 \$17,837,820	MCP Bridge CIP/PS 94.30 530.00 49,979.00 CIDH B \$330 \$16,493,070	SB-WB CIP/PS 41.80 350.00 14,630.00 CIDH C \$250 \$3,657,500	Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure
	(7)	(8)	(9)	
Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure	SB-WB CIP/PS 41.80 2,538.50 106,109.30 CIDH C \$250 \$26,527,325	NB-WB CIP/PS 46.80 2,374.80 111,140.64 CIDH C \$250 \$27,785,160	EB-NB CIP/PS 46.50 3,483.00 161,959.50 CIDH C \$250 \$40,489,875	
	(10)			
Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure	EB-SB CIP/PS 41.80 2,260.00 94,468.00 CIDH C \$250 \$23,617,000			

TOTAL STRUCTURES ITEMS \$193,051,280
(Sum of Total Cost for Structures)

COMMENTS: Cost include 10% mobilization and 25% contingency

	(1)	(2)	(3)
	(-)	(-)	SR79 SB on-
Bridge Name	SR 79 UC	SR 79 UC	ramp
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	41.80	41.80	40.80
Span (out to out) - (ft)	183.00	183.00	184.00
Total Area (ft2)	7,649.40	7,649.40	7,507.20
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH
Structure Category	В	В	В
Cost Per ft2 (see comment below)	\$330	\$330	\$330
Total cost for Structure	\$2,524,302	\$2,524,302	\$2,477,376
	( <b>4</b> ) SR79 NB off-	(5)	(6)
Bridge Name	ramp	SR 79	SR 79
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	38.80	41.80	41.80
Span (out to out) - (ft)	183.20	870.00	870.00
Total Area (ft2)	7,108.16	36,366.00	36,366.00
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH
Structure Category	В	В	B
Cost Per ft2 (see comment below)	\$330	\$330	\$330
Total cost for Structure	\$2,345,693	\$12,000,780	\$12,000,780
	(7)	(8)	(9)
	SR79 over	SR79 SB off-	SR79 NB on-
Bridge Name	Ramona		
Structure Type	CIP/PS	ramp CIP/PS	ramp CIP/PS
Width (out to out) - (ft)	116.70	26.80	40.40
Span (out to out) - (ft)	251.00	250.00	255.00
Total Area (ft2)	29,291.70	6,700.00	10,302.00
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH
Structure Category	В	В	В
Cost Per ft2 (see comment below)	\$330	\$330	\$330
Total cost for Structure	\$9,666,261	\$2,211,000	\$3,399,660
	(10)		
D. I. W	SR79 over SJ		
Bridge Name	River		
Structure Type	CIP/PS		
Width (out to out) - (ft)	49.00		
Span (out to out) - (ft)	1,233.00		
Total Area (ft2)	60,417.00		
Footing Type (Pile/Spread)	( 'H ) L		
	CIDH		
Structure Category Cost Per ft2 (see comment below)	A \$350		

Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure		
Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure		

TOTAL STRUCTURES ITEMS \$70,296,104 (Sum of Total Cost for Structures)

COMMENTS: Cost include 10% mobilization and 25% contingency

Total cost for Structure

STRUCTURE CATEGORY: A=Mainline (Viaduct, bridge over stream/channel), B=Service I/C (OC, UC, local St., ramp), C=System I/C (Connector, separation), D=Land crossing, E=Widening

\$21,145,950

### III. RIGHT OF WAY ITEMS ESCALATED VALUE

TOTAL RIGHT OF WAY ITE. (Escalated Val-		\$197,279,744
Anticipated Date of Right of Way Certificat (Date to which Values are Escalate		2013
F. Construction Contract Work  Brief Description of Work:		
Right of Way Branch Cost Estimate for Work *	\$ n/a	
* This dollar amount is to be included in the Roadway and/or Structures Items of Work, as appropriate. Do not include in Right of Way Items.		
COMMENTS:		
1. See Right of Way Data Sheet for more details regarding Right of Way items. Data sheets are being submitted	ed for re	view.
Estimate Prepared By L. Overcamp Phone# 310-626-4840	Date	Jan 2012

(Print Name)

COST ESTIMATE
ALTERNATIVE 4 MODIFIED

# **Draft Project Report Cost Estimate**

District-County-Ro	oute <u>08-</u>	Riv- Mid County Parkway			
KP(I	0/34.3 PM				
EA 08-804-0F3200					
Program C	ode HE	-14			
PROJECT DESCRIPTION:  Limits Between I-215 and SR-79 in the vicinity of Rider Street And SR-79 in the vicinity of	nd the R	damona Expressway			
Proposed Improvement (Scope): Construction of new 16 mile	e six-laı	ne			
freeway.					
Alternate: 5 Modified					
SUMMARY OF PROJE	ст со	ST ESTIMATE			
TOTAL ROADWAY ITEMS	\$	872,038,583			
TOTAL STRUCTURE ITEMS	\$	642,633,330			
SUBTOTAL CONSTRUCTION COSTS	\$	1,514,671,912			
TOTAL RIGHT OF WAY ITEMS	\$	208,835,311			
TOTAL PROJECT CAPITAL OUTLAY COSTS	\$	1,723,507,223			
Paviawad by District Program Manager		Data			
Reviewed by District Program Manager (Signature)		Date			
Approved by Project Manager (Signature)		Date			
Phone No.					

#### I. ROADWAY ITEMS

Section 1 Earthwork	Quantity	<u>Unit</u>		Unit Price		Item Cost	Section Cost
Roadway Excavation	6,888,583	yd3	\$	9	\$	61,997,247	
Imported Borrow	6,582,397	yd3	\$	20	\$	131,647,940	
Disposal Offsite	0	yd3	\$	8	\$	0	
Mass Haul	47,470,321	mi-yd3	\$	1	\$	47,470,321	
Clearing & Grubbing	1	ls	\$	16,854,200	\$	16,854,200	
Develop Water Supply	1	ls	\$	3,099,862	\$	3,099,862	
					Subt	otal Earthwork	\$ 261,069,570
Section 2 Pavement Structural Section							
	Quantity	<u>Unit</u>		Unit Price		Item Cost	
Jointed Plain Concrete Pavement	166,144	yd3	\$	130	\$	21,598,783	
HMA (Type A) and HMA BB	568,826	ton	\$	80	\$	45,506,070	
Rubberized HMA Gap Graded	171,279	ton	\$	90	\$	15,415,089	
Lean Concrete Base	76,620	yd3	\$	80	\$	6,129,600	
Class 2 - Aggregate Base	864,054	yd3	\$	32	\$	27,649,739	
Class 2 - Aggregate Subbase	89,733	yd3	\$	25	\$	2,243,328	
Edge Drains	23,279	lf	\$	11	\$	256,069	
			St	btotal Paveme	ent Str	uctural Section	\$ 118,798,678
Section 3 Drainage	Quantity	Unit		Unit Price	It	em Cost	
Large Drainage Facilities	0	ea	\$	0	\$	0	
Storm Drains	1	ls	\$	11,783,410	\$	11,783,410	
Concrete Open Lined Channel	0		\$	800	\$	0	
Pumping Plants	0	ls	_	0	_	0	
Permanent BMP	1	ls	\$	22,338,485	\$	22,338,485	
			-		Sul	ototal Drainage	\$ 34,121,895

#### COMMENTS:

Project drainage includes X-Drains, overside, etc.

COST ESTIMATE ALTERNATIVE 5 MODIFIED

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Resident Engineer Office Space   1	Section 4 Specialty Items	Quantity	<u>Unit</u>		Unit Price		Item Cost	Section Cost
Retaining Walls (MSE)	Resident Engineer Office Space	1	1s	\$	384,000	\$	384,000	
Noise Barriers         93,614         ft2         \$ 60         \$ 5,616,840           Barriers and Guardrails         95,992         If         \$ 35         \$ 3,359,720           Highway Planting         361         ac         \$ 49,120         \$ 17,722,496           Revegetation         0         ac         \$ 10,000         \$ 0           Erosion Control         260         ac         \$ 35,000         \$ 9,103,500           Water Pollution Control         1         Is         \$ 7,709,208         \$ 7,709,208           Hazardous Waste Mitigation         3,109,477         yd3         \$ 13         \$ 40,423,205           Environmental Mitigation         1         Is         \$ 6,414,805         \$ 6,414,805           Tieback Walls         0         Is         \$ 1,204,000         \$ 0           Section 5 Traffic Items         Quantity         Unit         Unit Price         Item Cost         \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Retaining Walls	649,588	ft2	\$	90	\$	58,462,920	
Barriers and Guardrails   95,992   1f   \$ 35   \$ 3,359,720     Highway Planting   361   ac   \$ 49,120   \$ 17,722,496     Revegetation   0   ac   \$ 10,000   \$ 0     Erosion Control   260   ac   \$ 35,000   \$ 9,103,500     Water Pollution Control   1   ls   \$ 7,709,208   \$ 7,709,208     Hazardous Waste Mitigation   3,109,477   yd3   \$ 13   \$ 40,423,205     Environmental Mitigation   1   ls   \$ 6,414,805   \$ 6,414,805     Tieback Walls   0   ls   \$ 1,204,000   \$ 0     Subtotal Specialty Items   \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Retaining Walls (MSE)	0	ft2	\$	100	\$	0	
Highway Planting   361	Noise Barriers	93,614	ft2	\$	60	\$	5,616,840	
Revegetation   O	Barriers and Guardrails	95,992	1f	\$	35	\$	3,359,720	
Erosion Control   260   ac   \$ 35,000   \$ 9,103,500   Water Pollution Control   1   1s   \$ 7,709,208   \$ 7,709,208   Hazardous Waste Mitigation   3,109,477   yd3   \$ 13   \$ 40,423,205   Environmental Mitigation   1   1s   \$ 6,414,805   \$ 6,414,805   Tieback Walls   0   1s   \$ 1,204,000   \$ 0   Subtotal Specialty Items   \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Highway Planting	361	ac	\$	49,120	\$	17,722,496	
Water Pollution Control         1         Is         \$ 7,709,208         \$ 7,709,208           Hazardous Waste Mitigation         3,109,477         yd3         \$ 13         \$ 40,423,205           Environmental Mitigation         1         Is         \$ 6,414,805         \$ 6,414,805           Tieback Walls         0         Is         \$ 1,204,000         \$ 0           Subtotal Specialty Items         \$ 149,196,694           Section 5 Traffic Items         Quantity         Unit         Unit Price         Item Cost         Section Cost           Lighting         210         ea         \$ 6,500         \$ 1,365,000         \$ 1,365,000           Traffic Delineation Items         260         In-mi         \$ 10,200         \$ 2,648,940         \$ 10,200           Traffic Signals         28         ea         \$ 200,000         \$ 5,600,000         \$ 5,600,000           Overhead Sign Structures         58         ea         \$ 250,000         \$ 14,500,000         \$ 14,500,000           Roadside Signs         520         ea         \$ 500         \$ 260,000         \$ 1,238,000           Traffic Control Systems         1         Is         \$ 1,238,000         \$ 1,238,000           Transportation Management Plan         1         Is <td>Revegetation</td> <td>0</td> <td>ac</td> <td>\$</td> <td>10,000</td> <td>\$</td> <td>0</td> <td></td>	Revegetation	0	ac	\$	10,000	\$	0	
Hazardous Waste Mitigation   3,109,477   yd3   \$ 13   \$ 40,423,205	Erosion Control	260	ac	\$_	35,000	\$	9,103,500	
Environmental Mitigation   1	Water Pollution Control	1	1s	\$	7,709,208	\$	7,709,208	
Section 5 Traffic Items         Quantity         Unit         Unit Price         Item Cost         Section Cost           Lighting         210         ea         \$ 6,500         \$ 1,365,000           Traffic Delineation Items         260         ln-mi         \$ 10,200         \$ 2,648,940           Traffic Signals         28         ea         \$ 250,000         \$ 14,500,000           Overhead Sign Structures         58         ea         \$ 250,000         \$ 14,500,000           Roadside Signs         520         ea         \$ 500         \$ 260,000           Traffic Control Systems         1         ls         \$ 1,238,000         \$ 1,238,000           Transportation Management Plan         1         ls         \$ 13,547,040         \$ 13,547,040           Ramp Metering         35         ea         \$ 60,000         2,100,000           ITS Elements         1         ls         \$ 20,000,000         20,000,000	Hazardous Waste Mitigation	3,109,477	yd3	\$	13	\$	40,423,205	
Section 5 Traffic Items         Quantity         Unit         Unit Price         Item Cost         Section Cost           Lighting         210         ea         \$ 6,500         \$ 1,365,000           Traffic Delineation Items         260         In-mi         \$ 10,200         \$ 2,648,940           Traffic Signals         28         ea         \$ 200,000         \$ 5,600,000           Overhead Sign Structures         58         ea         \$ 250,000         \$ 14,500,000           Roadside Signs         520         ea         \$ 500         \$ 260,000           Traffic Control Systems         1         1s         \$ 1,238,000         \$ 13,547,040           Transportation Management Plan         1         1s         \$ 13,547,040         \$ 13,547,040           Ramp Metering         35         ea         \$ 60,000         2,100,000           ITS Elements         1         1s         \$ 20,000,000         20,000,000	Environmental Mitigation	1	1s	\$	6,414,805	\$	6,414,805	
Section 5 Traffic Items         Quantity         Unit         Unit Price         Item Cost         Section Cost           Lighting         210         ea         \$ 6,500         \$ 1,365,000           Traffic Delineation Items         260         ln-mi         \$ 10,200         \$ 2,648,940           Traffic Signals         28         ea         \$ 200,000         \$ 5,600,000           Overhead Sign Structures         58         ea         \$ 250,000         \$ 14,500,000           Roadside Signs         520         ea         \$ 500         \$ 260,000           Traffic Control Systems         1         ls         \$ 1,238,000         \$ 1,238,000           Transportation Management Plan         1         ls         \$ 13,547,040         \$ 13,547,040           Ramp Metering         35         ea         \$ 60,000         2,100,000           ITS Elements         1         ls         \$ 20,000,000         20,000,000	Tieback Walls	0	1s	\$	1,204,000	\$	0	
Lighting         210         ea         \$ 6,500         \$ 1,365,000           Traffic Delineation Items         260         ln-mi         \$ 10,200         \$ 2,648,940           Traffic Signals         28         ea         \$ 200,000         \$ 5,600,000           Overhead Sign Structures         58         ea         \$ 250,000         \$ 14,500,000           Roadside Signs         520         ea         \$ 500         \$ 260,000           Traffic Control Systems         1         ls         \$ 1,238,000         \$ 1,238,000           Transportation Management Plan         1         ls         \$ 13,547,040         \$ 13,547,040           Ramp Metering         35         ea         \$ 60,000         2,100,000           ITS Elements         1         ls         \$ 20,000,000         20,000,000						Sub	otal Specialty Items	\$ \$149,196,694
Lighting         210         ea         \$ 6,500         \$ 1,365,000           Traffic Delineation Items         260         ln-mi         \$ 10,200         \$ 2,648,940           Traffic Signals         28         ea         \$ 200,000         \$ 5,600,000           Overhead Sign Structures         58         ea         \$ 250,000         \$ 14,500,000           Roadside Signs         520         ea         \$ 500         \$ 260,000           Traffic Control Systems         1         ls         \$ 1,238,000         \$ 1,238,000           Transportation Management Plan         1         ls         \$ 13,547,040         \$ 13,547,040           Ramp Metering         35         ea         \$ 60,000         2,100,000           ITS Elements         1         ls         \$ 20,000,000         20,000,000								
Traffic Delineation Items         260         In-mi         \$ 10,200         \$ 2,648,940           Traffic Signals         28         ea         \$ 200,000         \$ 5,600,000           Overhead Sign Structures         58         ea         \$ 250,000         \$ 14,500,000           Roadside Signs         520         ea         \$ 500         \$ 260,000           Traffic Control Systems         1         ls         \$ 1,238,000         \$ 1,238,000           Transportation Management Plan         1         ls         \$ 13,547,040         \$ 13,547,040           Ramp Metering         35         ea         \$ 60,000         2,100,000           ITS Elements         1         ls         \$ 20,000,000         20,000,000	Section 5 Traffic Items	<b>Quantity</b>	<u>Unit</u>		<u>Unit Price</u>		Item Cost	Section Cost
Traffic Signals         28         ea         \$ 200,000         \$ 5,600,000           Overhead Sign Structures         58         ea         \$ 250,000         \$ 14,500,000           Roadside Signs         520         ea         \$ 500         \$ 260,000           Traffic Control Systems         1         ls         \$ 1,238,000         \$ 1,238,000           Transportation Management Plan         1         ls         \$ 13,547,040         \$ 13,547,040           Ramp Metering         35         ea         \$ 60,000         2,100,000           ITS Elements         1         ls         \$ 20,000,000         20,000,000	Lighting	210	ea	\$_	6,500	\$_	1,365,000	
Overhead Sign Structures         58         ea         \$ 250,000         \$ 14,500,000           Roadside Signs         520         ea         \$ 500         \$ 260,000           Traffic Control Systems         1         ls         \$ 1,238,000         \$ 1,238,000           Transportation Management Plan         1         ls         \$ 13,547,040         \$ 13,547,040           Ramp Metering         35         ea         \$ 60,000         2,100,000           ITS Elements         1         ls         \$ 20,000,000         20,000,000	Traffic Delineation Items	260	ln-mi	\$_	10,200	\$	2,648,940	
Roadside Signs         520         ea         \$ 500         \$ 260,000           Traffic Control Systems         1         ls         \$ 1,238,000         \$ 1,238,000           Transportation Management Plan         1         ls         \$ 13,547,040         \$ 13,547,040           Ramp Metering         35         ea         \$ 60,000         2,100,000           ITS Elements         1         ls         \$ 20,000,000         20,000,000	Traffic Signals	28	ea	\$_	200,000	\$	5,600,000	
Traffic Control Systems         1         1s         \$ 1,238,000         \$ 1,238,000           Transportation Management Plan         1         1s         \$ 13,547,040         \$ 13,547,040           Ramp Metering         35         ea         \$ 60,000         2,100,000           ITS Elements         1         1s         \$ 20,000,000         20,000,000	Overhead Sign Structures	58	ea	\$_	250,000	\$	14,500,000	
Transportation Management Plan         1         Is         \$ 13,547,040         \$ 13,547,040           Ramp Metering         35         ea         \$ 60,000         2,100,000           ITS Elements         1         Is         \$ 20,000,000         20,000,000	Roadside Signs	520	ea	\$	500	\$	260,000	
Ramp Metering         35         ea         \$ 60,000         2,100,000           ITS Elements         1         1s         \$ 20,000,000         20,000,000	Traffic Control Systems	1	1s	\$	1,238,000	\$	1,238,000	
ITS Elements 1 ls \$ 20,000,000 20,000,000	Transportation Management Plan	1	1s	\$	13,547,040	\$	13,547,040	
115 Elements	Ramp Metering	35	ea	\$	60,000		2,100,000	
Subtotal Traffic Items \$ \$61,258,980	ITS Elements	1	1s	\$	20,000,000		20,000,000	
						Sı	ıbtotal Traffic Items	\$ \$61,258,980
TOTAL SECTIONS 1 thru 5 \$ \$624,445,816					TC	TAL	SECTIONS 1 thru 5	\$ \$624,445,816

Section 6 Minor Items	Item Cost	Section Cost						
624,445,816 (Subtotal Sections 1 thru 5)	x (5%) = \$ 31,222,291 TOTAL MINOR ITEMS	\$ 31,222,291						
Section 7 Roadway Mobilization								
(Subtotal Sections 1 thru 6)	x (10%) \$ 65,566,811  TOTAL ROADWAY MOBILIZATION	\$ 65,566,811						
Section 8 Roadway Additions								
Supplemental Work  655,668,107  (Subtotal Sections 1 thru 6)	x (3%) = \$ 19,670,043							
	x (20%) \$ 131,133,621							
(Subtotal Sections 1 thru 6)	TOTAL ROADWAY ADDITIONS	\$ 150,803,665						
	TOTAL ROADWAY ITEMS (Subtotal Sections 1 thru 8)	\$ 872,038,583						
Estimate Prepared By (Print Name)	Phone#Da							
Estimate Checked By (Print Name)	Phone# Da	ate						

COST ESTIMATE ALTERNATIVE 5 MODIFIED H-10

	(1)	(2)	(3) NB-EB	
	Placentia / I-215	Placentia /	Connector /	
	OC Widening	Railroad OC	Placentia NB	
Bridge Name		Widening	On Separation	Bridge Name
Structure Type	CIP/PS	CIP/PS	CIP/PS	Structure Type
Width (out to out) - (ft)	31.16	25.63	51.92	Width (out to out) - (ft)
Span (out to out) - (ft)	216.16	125.29	173.66	Span (out to out) - (ft)
Total Area (ft2)	6,735.56	3,211.34	9,016.20	Total Area (ft2)
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	Footing Type (Pile/Spread)
Structure Category	E	E #450	<u>C</u>	Structure Category
Cost Per ft2 (see comment below) Total cost for Structure	\$450	\$450	\$250	Cost Per ft2 (see comment b Total cost for Structure
Total cost for Structure	\$3,031,001	\$1,445,105	\$2,254,050	Total cost for Structure
	(4)	(5)	(6)	
			SB-EB Connector	
D.I. M	WB-SB	an en a	/ Cajalco SB On	D.11 N
Bridge Name	Connector CIP/PS	SB-EB Connector CIP/PS	Separation CIP/PS	Bridge Name
Structure Type Width (out to out) - (ft)	46.00	46.00	43.00	Structure Type Width (out to out) - (ft)
Span (out to out) - (ft)	3,591.91	2,772.66	374.58	Span (out to out) - (ft)
Total Area (ft2)	165,227.97	127,542.52	16,106.95	Total Area (ft2)
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	Footing Type (Pile/Spread)
Structure Category	С	С	С	Structure Category
Cost Per ft2 (see comment below)	\$250	\$250	\$250	Cost Per ft2 (see comment b
Total cost for Structure	\$41,306,991	\$31,885,631	\$4,026,738	Total cost for Structure
	(7) WB-NB	(8)	(9)	
	Connector /		Cajalco /	
	Cajalco NB Off	Cajalco / I-215	Railroad OC	
Bridge Name	Separation	OC	Widening	
Structure Type	CIP/PS	CIP/PS	CIP/PS	
Width (out to out) - (ft)	43.00	119.00	47.01	
Span (out to out) - (ft)	246.51	256.16	143.15	
Total Area (ft2)	10,600.10	30,483.13	6,729.37	
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	
Structure Category Cost Per ft2 (see comment below)	C \$250	B \$330	E \$450	
Total cost for Structure	\$2,650,024	\$10,059,432	\$3,028,214	
Total cost for Structure	Ψ2,030,024	Ψ10,037,432	φ5,026,214	
Bridge Name				
Structure Type				
Width (out to out) - (ft)				
Span (out to out) - (ft)				
Total Area (ft2)	-			

Bridge Name			
Structure Type			
Width (out to out) - (ft)	<del></del>		
Span (out to out) - (ft)			
Total Area (ft2)		-	
Footing Type (Pile/Spread)			-
Structure Category			
	-		
Cost Per ft2 (see comment below)			
Total cost for Structure			
Bridge Name			
Structure Type			
Width (out to out) - (ft)			
Span (out to out) - (ft)			
Γotal Area (ft2)			
Footing Type (Pile/Spread)	·		-
Structure Category			
Cost Per ft2 (see comment below)			
	-		
Total cost for Structure	<u></u>		

TOTAL STRUCTURES ITEMS \$99,687,186 (Sum of Total Cost for Structures)

COMMENTS: Cost include 10% mobilization and 25% contingency

Footing Type (Pile/Spread)
Cost Per ft2 (see comment below)

Total cost for Structure

	(1)	(2)	(3)	
Daides Name	I., 1: A OC	Damia Dlad OC	Relands Ave UC WB	Duides Nes
Bridge Name Structure Type	Indian Ave OC CIP/PS	Perris Blvd OC CIP/PS	CIP/PS	Bridge Naı Structure T
Width (out to out) - (ft)	81.00	107.00	60.00	Width (out
Span (out to out) - (ft)	366.35	404.71	271.93	Span (out t
Total Area (ft2)	29,674.12	43,303.63	16,315.90	Total Area
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	Footing Ty
Structure Category	В	В	B	Structure C
Cost Per ft2 (see comment below)	\$330	\$330	\$330	Cost Per ft
Total cost for Structure	\$9,792,460	\$14,290,198	\$5,384,248	Total cost
	(4)	(5)	(6)	
	Relands Ave UC	Wilson Ave UC	Wilson Ave UC	
Bridge Name	EB	WB	EB	Bridge Na
Structure Type	CIP/PS	CIP/PS	CIP/PS	Structure T
Width (out to out) - (ft)	60.00	60.00	60.00	Width (out
Span (out to out) - (ft)	258.88	261.65	260.40	Span (out t
Total Area (ft2)	15,533.05	15,698.90	15,623.75	Total Area
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	Footing Ty
Structure Category	В	В	B	Structure C
Cost Per ft2 (see comment below)	\$330	\$330	\$330	Cost Per ft
Total cost for Structure	\$5,125,906	\$5,180,637	\$5,155,838	Total cost
	(7)	(8)	(9)	
	Perris Storm	Perris Storm		
Bridge Name	Drain Bridge WB	Drain Bridge EB	Evan Rd WB UC	
Structure Type	CIP/PS	CIP/PS	CIP/PS	
Width (out to out) - (ft)	61.22	72.00	104.07	
Span (out to out) - (ft)	700.00	700.00	233.00	
Total Area (ft2)	42,855.57	50,398.58	24,248.38	
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	
Structure Category	A \$250	A \$250	B	
Cost Per ft2 (see comment below) Total cost for Structure	\$350 \$14,999,449	\$350 \$17,639,504	\$330 \$8,001,967	
Total cost for Structure	ψ14,222, <del>44</del> 2	\$17,037,304	\$6,001,707	
	(10)			
Bridge Name	Evan Rd EB UC			
Structure Type	CIP/PS			
Width (out to out) - (ft)	99.92			
Span (out to out) - (ft)	233.00			
Total Area (ft2) Footing Type (Pile/Spread)	23,280.73 CIDH			
Structure Category	В			
Cost Per ft2 (see comment below)	\$330			
cost i of it2 (see comment below)	Ψ550			

bridge ivallie	 	
Structure Type	 	
Width (out to out) - (ft)	 	
Span (out to out) - (ft)	 	
Total Area (ft2)	 · <u></u>	
Footing Type (Pile/Spread)		
Structure Category	 · <u></u>	
Cost Per ft2 (see comment below)		
Total cost for Structure		
Bridge Name	 	
Structure Type	 	
Width (out to out) - (ft)		
Span (out to out) - (ft)		
Total Area (ft2)		
Footing Type (Pile/Spread)	 	
Structure Category		
Cost Per ft2 (see comment below)	 	
Total cost for Structure	 	

TOTAL STRUCTURES ITEMS \$93,252,849 (Sum of Total Cost for Structures)

COMMENTS: Cost include 10% mobilization and 25% contingency

Total cost for Structure

STRUCTURE CATEGORY: A=Mainline (Viaduct, bridge over stream/channel), B=Service I/C (OC, UC, local St., ramp), C=System I/C (Connector, separation), D=Land crossing, E=Widening

\$7,682,642

	(1)	(2)	(3)	
Duidae Nome	Domono Eva UC	Domana Eve LIC	Ramona Exp WB	Duidaa Nama
Bridge Name Structure Type	Ramona Exp UC CIP/PS	Ramona Exp UC CIP/PS	on-ramp UC CIP/PS	Bridge Name Structure Type
Width (out to out) - (ft)	61.80	61.80	40.20	Width (out to out)
Span (out to out) - (ft)	253.80	253.80	250.80	Span (out to out) -
Total Area (ft2)	15,684.84	15,684.84	10,082.16	Total Area (ft2)
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	` '
Structure Category	В	В	В	Footing Type (Pile Structure Categor
Cost Per ft2 (see comment below)	\$330	\$330	\$330	Cost Per ft2 (see
Total cost for Structure	\$5,175,997	\$5,175,997	\$3,327,113	Total cost for Stru
Total cost for Structure	φ5,175,297	Ψ3,173,777	φ3,327,113	Total cost for Sire
	(4)	(5)	(6)	
Bridge Name	Bernasconi	San Jacinto River	San Jacinto River	Bridge Name
Structure Type	CIP/PS	CIP/PS	CIP/PS	Structure Type
Width (out to out) - (ft)	54.80	62.00	62.00	Width (out to out)
Span (out to out) - (ft)	419.50	2,985.40	2,985.40	Span (out to out) -
Total Area (ft2)	22,988.60	185,094.64	185,094.64	Total Area (ft2)
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	Footing Type (Pile
Structure Category	В	A	A	Structure Categor
Cost Per ft2 (see comment below)	\$330	\$350	\$350	Cost Per ft2 (see c
Total cost for Structure	\$7,586,238	\$64,783,125	\$64,783,125	Total cost for Stru
	(7)	(8)	(9)	
Bridge Name	Reservoir	Town Center	Park Center	
Structure Type	CIP/PS	CIP/PS	CIP/PS	
Width (out to out) - (ft)	118.30	108.80	124.80	
Span (out to out) - (ft)	300.00	309.00	295.00	
Total Area (ft2)	35,490.00	33,619.20	36,816.00	
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	
Structure Category	В	В	В	
Cost Per ft2 (see comment below)	\$330	\$330	\$330	
Total cost for Structure	\$11,711,700	\$11,094,336	\$12,149,280	
	(10)			
Bridge Name	Wildlife Crossing			
Structure Type	Galv steel			
Width (out to out) - (ft)				
Span (out to out) - (ft)				
Total Area (ft2)				
Footing Type (Pile/Spread)			·	
Cost Per ft2 (see comment below)				
Tatal and for Cturature	\$550,000			

Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure		
Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure		

TOTAL STRUCTURES ITEMS \$186,345,911
(Sum of Total Cost for Structures)

COMMENTS: Cost include 10% mobilization and 25% contingency

Total cost for Structure

STRUCTURE CATEGORY: A=Mainline (Viaduct, bridge over stream/channel), B=Service I/C (OC, UC, local St., ramp), C=System I/C (Connector, separation), D=Land crossing, E=Widening

\$559,000

	(1)	(2)	(3)	
Bridge Name	Warren OC	Warren	Ramona Bridge	Bridge Name
Structure Type	CIP/PS	CIP/PS	CIP/PS	Structure Type
Width (out to out) - (ft)	128.50	119.80	106.80	Width (out to out) - (ft)
Span (out to out) - (ft)	314.00	180.00	460.00	Span (out to out) - (ft)
Total Area (ft2)	40,349.00	21,564.00	49,128.00	Total Area (ft2)
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	Footing Type (Pile/Sprea
Structure Category	В	В	В	Structure Category
Cost Per ft2 (see comment below)	\$330	\$330	\$330	Cost Per ft2 (see commer
Total cost for Structure	\$13,315,170	\$7,116,120	\$16,212,240	Total cost for Structure
	(4)	(5)	(6)	
Bridge Name	MCP Bridge	MCP Bridge	SB-WB	Bridge Name
Structure Type	CIP/PS	CIP/PS	CIP/PS	Structure Type
Width (out to out) - (ft)	94.50	94.30	41.80	Width (out to out) - (ft)
Span (out to out) - (ft)	572.00	530.00	350.00	Span (out to out) - (ft)
Total Area (ft2)	54,054.00	49,979.00	14,630.00	Total Area (ft2)
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	Footing Type (Pile/Spread
Structure Category	В	В	С	Structure Category
Cost Per ft2 (see comment below)	\$330	\$330	\$250	Cost Per ft2 (see commer
Total cost for Structure	\$17,837,820	\$16,493,070	\$3,657,500	Total cost for Structure
	(7)	(8)	(9)	
Bridge Name	SB-WB	NB-WB	EB-NB	
Structure Type	CIP/PS	CIP/PS	CIP/PS	
Width (out to out) - (ft)	41.80	46.80	46.50	
Span (out to out) - (ft)	2,538.50	2,374.80	3,483.00	
Total Area (ft2)	106,109.30	111,140.64	161,959.50	
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	
Structure Category	С	С	С	
Cost Per ft2 (see comment below)	\$250	\$250	\$250	
Total cost for Structure	\$26,527,325	\$27,785,160	\$40,489,875	
	(10)			
Bridge Name	EB-SB			
Structure Type	CIP/PS			
Width (out to out) - (ft)	41.80			
Span (out to out) - (ft)	2,260.00			
Total Area (ft2)	94,468.00			
Footing Type (Pile/Spread)	CIDH			
Structure Category	<u>C</u>			
Cost Per ft2 (see comment below)	\$250			
Total cost for Structure	\$23,617,000			

TOTAL STRUCTURES ITEMS \$193,051,280 (Sum of Total Cost for Structures)

COMMENTS: Cost include 10% mobilization and 25% contingency

Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure	(1)  SR 79 UC  CIP/PS  41.80  183.00  7,649.40  CIDH  B  \$330  \$2,524,302	SR 79 UC CIP/PS 41.80 183.00 7,649.40 CIDH B \$330 \$2,524,302	(3) SR79 SB on- ramp CIP/PS 40.80 184.00 7,507.20 CIDH B \$330 \$2,477,376
Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure	(4) SR79 NB off- ramp CIP/PS 38.80 183.20 7,108.16 CIDH B \$330 \$2,345,693	(5)  SR 79  CIP/PS  41.80  870.00  36,366.00  CIDH  B  \$330  \$12,000,780	(6)  SR 79  CIP/PS  41.80  870.00  36,366.00  CIDH  B  \$330  \$12,000,780
Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure	(7) SR79 over Ramona CIP/PS 116.70 251.00 29,291.70 CIDH B \$330 \$9,666,261	(8) SR79 SB off- ramp CIP/PS 26.80 250.00 6,700.00 CIDH B \$330 \$2,211,000	(9) SR79 NB on- ramp CIP/PS 40.40 255.00 10,302.00 CIDH B \$330 \$3,399,660
Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure	(10) SR79 over SJ River CIP/PS 49.00 1,233.00 60,417.00 CIDH A \$350 \$21,145,950		

Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure		
Bridge Name		
Structure Type		,
Width (out to out) - (ft)		
Span (out to out) - (ft)		
Total Area (ft2)		
Footing Type (Pile/Spread)		
Structure Category	 	
Cost Per ft2 (see comment below)	 	
Total cost for Structure	 	·

TOTAL STRUCTURES ITEMS \$70,296,104
(Sum of Total Cost for Structures)

COMMENTS: Cost include 10% mobilization and 25% contingency

		TOTAL RIGHT OF WAY ITEMS (Escalated Value)	
		Anticipated Date of Right of Way Certification (Date to which Values are Escalated)	
onstruction Contrac Brief Desc	et Work cription of Work:		-
* This dol	Vay Branch Cost Estimate for Wolar amount is to be included in the contract of	e Roadway and/or Structures Items	\$ <u>n/a</u>

COMMENTS:

1. See Right of Way Data Sheet for more details regarding Right of Way items. Data sheets are being submitted for review.

Estimate Prepared By L. Overcamp (Print Name) Phone# 310-626-4840

Date Jan 2012

# **Draft Project Report Cost Estimate**

District-County-Ro	oute 08-	Riv- Mid County Parkway	
KP(I	PM) 28.	0/34.3 PM	
	EA 08-	804-0F3200	
Program C	ode HE	-14	
PROJECT DESCRIPTION:			
Limits Between I-15 and SR-79 in the vicinity of Placentia Avenue a	nd the l	Ramona Expressway	
Proposed Improvement (Scope): Construction of new 16 mile	six-lar	ne	
freeway.			
Alternate: 9 Modified			
SUMMARY OF PROJECT	COST	ESTIMATE	
TOTAL ROADWAY ITEMS	\$	786,690,383	
TOTAL STRUCTURE ITEMS	\$	638,324,611	
SUBTOTAL CONSTRUCTION COSTS	\$	1,425,014,994	
TOTAL RIGHT OF WAY ITEMS	\$	187,618,366	
TOTAL PROJECT CAPITAL OUTLAY COSTS	\$	1,612,633,360	
Reviewed by District Program Manager (Signature)		Date	
		Date	
Approved by Project Manager (Signature)			
Phone No.			

#### I. ROADWAY ITEMS

Section 1 Earthwork	<b>Quantity</b>	<u>Unit</u>		Unit Price		Item Cost	5	Section Cost
Roadway Excavation	7,907,827	yd3	\$	9	\$	71,170,443		
Imported Borrow	4,067,851	yd3	\$	20	\$	81,357,020		
Disposal Offsite	0	yd3	\$	8	\$	0		
Mass Haul	44,110,301	mi-yd3	\$	1	\$	44,110,301		
Clearing & Grubbing	1	ls	\$	15,599,100	\$	15,599,100		
Develop Water Supply	1	ls	\$	3,558,522	\$	3,558,522		
					Sub	total Earthwork	\$	215,795,386
Section 2 Pavement Structural Section								
	Quantity	<u>Unit</u>		Unit Price		Item Cost		
Jointed Plain Concrete Pavement	133,054	yd3	\$	130	\$	17,297,083		
HMA (Type A) and HMA BB	528,439	ton	\$	80	\$	42,275,156		
Rubberized HMA Gap Graded	161,777	ton	\$	90	\$	14,559,967		
Lean Concrete Base	60,075	yd3	\$	80	\$	4,806,000		
Class 2 - Aggregate Base	808,955	yd3	\$	32	\$	25,886,560		
Class 2 - Aggregate Subbase	66,570	yd3	\$	25	\$	1,664,253		
Edge Drains	29,000	lf	\$	11	\$	319,000		
			Sτ	ıbtotal Paveme	ent Str	uctural Section	\$	106,808,018
Section 3 Drainage	Quantity	<u>Unit</u>		Unit Price	It	em Cost		
Large Drainage Facilities	0	ea	\$	0	\$	0		
Storm Drains	1	ls	\$	18,569,340	\$	18,569,340		
Concrete Open Lined Channel	0	lf	\$	800	\$	0		
Pumping Plants	1	ls	-	55,000		55,000		
Permanent BMP	1	ls	\$	22,572,290	\$	22,572,290		
			-		Su	btotal Drainage	\$	41,196,630

#### COMMENTS:

Project drainage includes X-Drains, overside, etc.

COST ESTIMATE
ALTERNATIVE 9 MODIFIED

Section 4 Specialty Items	Quantity	<u>Unit</u>		<u>Unit Price</u>		Item Cost		Section Cost
Resident Engineer Office Space	1	1s	\$_	384,000	\$	384,000		
Retaining Walls	485,134	ft2	\$_	90	\$	43,662,060		
Retaining Walls (MSE)	0	ft2	\$_	100	\$	0		
Noise Barriers	181,338	ft2	\$_	60	\$	10,880,280		
Barriers and Guardrails	102,409	1f	\$_	35	\$	3,584,315		
Highway Planting	386	ac	\$	49,120	\$	18,960,320		
Revegetation	0	ac	\$_	10,000	\$	0		
Erosion Control	274	ac	\$_	35,000	\$	9,590,000		
Water Pollution Control	1	1s	\$_	6,954,692	\$	6,954,692		
Hazardous Waste Mitigation	2,861,024	yd3	\$_	13	\$	37,193,312		
Environmental Mitigation	1	1s	\$_	6,445,075	\$	6,445,075		
Tieback Walls	1	1s	\$_	1,204,000	\$	1,204,000		
				Su	ibtota	l Specialty Items	\$_	\$138,858,054
Section 5 Traffic Items	<b>Quantity</b>	<u>Unit</u>		Unit Price		Item Cost		Section Cost
Lighting	195	ea	\$_	6,500	\$	1,267,500		
Traffic Delineation Items	247	ln-mi	\$_	10,200	\$	2,519,400		
Traffic Signals	28	ea	\$_	200,000	\$	5,600,000		
Overhead Sign Structures	56	ea	\$_	250,000	\$	14,000,000		
Roadside Signs	520	ea	\$_	500	\$	260,000		
Traffic Control Systems	1	1s	\$	1,378,000	\$	1,378,000		
Transportation Management Plan	1	1s	\$	13,547,040	\$	13,547,040		
Ramp Metering	35	ea	\$	60,000		2,100,000		
ITS Elements	1	1s	\$	20,000,000		20,000,000		
					Subt	otal Traffic Items	\$	\$60,671,940
				TOTA	L SE	CTIONS 1 thru 5	\$	\$563,330,027

Section 6 Minor Items		Item Cost		Section Cost
	563,330,027 (Subtotal Sections 1 thru 5)	x (5%) = \$ 28,166,501 TOTAL	MINOR ITEMS	\$28,166,501
Section 7 Roadway Mobili		(10)()		
	(Subtotal Sections 1 thru 6)	x (10%) \$ 59,149,653 TOTAL ROADWAY N	10BILIZATION	\$59,149,653
Section 8 Roadway Additi	<u>ons</u>			
Supplemental W		x (3%) = \$ 17,744,896		
Contingencies	591,496,529	x (20%) \$ 118,299,306		
	(Subtotal Sections 1 thru 6)	TOTAL ROADWA	AY ADDITIONS	\$136,044,202
			ADWAY ITEMS dections 1 thru 8)	\$ 786,690,383
Estimate Prepared By	(Print Name)	Phone#	Dat	e
Estimate Checked By	(Print Name)	Phone#	Dat	e

COST ESTIMATE ALTERNATIVE 9 MODIFIED H-18

II. STREETERE ITEMS					
Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure	(1) Cajalco OH at Railroad CIP/PS 46.70 143.15 6,729.37 CIDH E \$450 \$3,028,214	(2) Placentia Ave OH at RR CIP/PS 2525 125.00 3,156.25 CIDH E \$450 \$1,420,313	(3) Placentia Ave OC at I-215 CIP/PS 23.25 217.00 5,045.25 CIDH E \$450 \$2,270,363	Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure	
Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure	(4)  SB-EB Connector  CIP/PS  42.00  3,271.00  138,118.16  CIDH  C  \$250  \$34,529,540	(5) WB-SB Connector CIP/PS 50.63 3,141.96 147,180.95 CIDH C \$250 \$36,795,238	(6) WB-NB Connector CIP/PS 42.03 1,806.11 75,360.78 CIDH C \$250 \$18,840,196	Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure	
Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure	(7) WB-NB Connector Sepration CIP/PS 42.00 246.33 10,345.86 CIDH C \$250 \$2,586,465				
Bridge Name Structure Type Width (out to out) (ft)					

TOTAL STRUCTURES ITEMS	\$99,470,328
(Sum of Total Cost for Structures)	

COMMENTS: Cost include 10% mobilization and 25% contingency

Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2)

Total cost for Structure

Footing Type (Pile/Spread)
Cost Per ft2 (see comment below)

	(1)	(2)	(3) Redlands Ave
Bridge Name	Perris Blvd OC	Placentia Ave OC	OC
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	129.00	82.00	103.00
Span (out to out) - (ft)	248.42	538.25	269.94
Total Area (ft2)	32,046.18	44,136.50	27,803.81
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH
Structure Category	В	В	В
Cost Per ft2 (see comment below)	\$330	\$330	\$330
Total cost for Structure	\$10,575,239	\$14,565,045	\$9,175,258
	(4)	(5)	(6)
	Perris Drain WB	Perris Drain EB	Evans Road WB
Bridge Name	Bridge	Bridge	UC
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	74.84	74.84	58.84
Span (out to out) - (ft)	800.00	800.00	200.00
Total Area (ft2)	58,855.45	60,815.70	11,768.00
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH
Structure Category	A	A	В
Cost Per ft2 (see comment below)	\$350	\$350	\$330
Total cost for Structure	\$20,599,408	\$21,285,495	\$3,883,440
Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure	(7) Evans Road EB UC CIP/PS 58.84 200.00 11,768.00 CIDH B \$330 \$3,883,440	(8) Evans Road WB Loop CIP/PS 40.48 200.00 7,703.89 CIDH B \$330 \$2,542,284	(9) Evans Road EB Loop CIP/PS 38.99 199.81 8,034.48 CIDH B \$330 \$2,651,378
Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure			

Bridge Name		
Structure Type		
Width (out to out) - (ft)		
Span (out to out) - (ft)		
Total Area (ft2)		
Footing Type (Pile/Spread)		
Structure Category		
Cost Per ft2 (see comment below)		
Total cost for Structure		
Bridge Name		
Structure Type	 	
Width (out to out) - (ft)		
Span (out to out) - (ft)		
Total Area (ft2)	 	
Footing Type (Pile/Spread)		
Structure Category		
Cost Per ft2 (see comment below)	 	
Total cost for Structure	 	

TOTAL STRUCTURES ITEMS \$89,160,988 (Sum of Total Cost for Structures)

COMMENTS: Cost include 10% mobilization and 25% contingency

	(1)	(2)	(3) Ramona Exp WB	
Bridge Name	Ramona Exp UC	Ramona Exp UC	on-ramp UC	Bridge Name
Structure Type	CIP/PS	CIP/PS	CIP/PS	Structure Type
Width (out to out) - (ft)	61.80	61.80	40.20	Width (out to out) - (ft)
Span (out to out) - (ft)	253.80	253.80	250.80	Span (out to out) - (ft)
Total Area (ft2)	15,684.84	15,684.84	10,082.16	Total Area (ft2)
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	Footing Type (Pile/Spread)
Structure Category	В	В	В	Structure Category
Cost Per ft2 (see comment below)	\$330	\$330	\$330	Cost Per ft2 (see comment below)
Total cost for Structure	\$5,175,997	\$5,175,997	\$3,327,113	Total cost for Structure
	(4)	(5)	(6)	
Bridge Name	Bernasconi	San Jacinto River	San Jacinto River	Bridge Name
Structure Type	CIP/PS	CIP/PS	CIP/PS	Structure Type
Width (out to out) - (ft)	54.80	62.00	62.00	Width (out to out) - (ft)
Span (out to out) - (ft)	419.50	2,985.40	2,985.40	Span (out to out) - (ft)
Total Area (ft2)	22,988.60	185,094.64	185,094.64	Total Area (ft2)
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	Footing Type (Pile/Spread)
Structure Category	В	A	A	Structure Category
Cost Per ft2 (see comment below)	\$330	\$350	\$350	Cost Per ft2 (see comment below)
Total cost for Structure	\$7,586,238	\$64,783,125	\$64,783,125	Total cost for Structure
	(7)	(8)	(9)	
Bridge Name	Reservoir	Town Center	Park Center	
Structure Type	CIP/PS	CIP/PS	CIP/PS	
Width (out to out) - (ft)	118.30	108.80	124.80	
Span (out to out) - (ft)	300.00	309.00	295.00	
Total Area (ft2)	35,490.00	33,619.20	36,816.00	
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	
Structure Category	В	В	В	
Cost Per ft2 (see comment below)	\$330	\$330	\$330	
Total cost for Structure	\$11,711,700	\$11,094,336	\$12,149,280	
	(10)			
Bridge Name	Wildlife Crossing			
Structure Type	Galv steel			
Width (out to out) - (ft)				
Span (out to out) - (ft)				
Total Area (ft2)				

TOTAL STRUCTURES ITEMS	\$186,345,911
(Sum of Total Cost for Structures)	

COMMENTS: Cost include 10% mobilization and 25% contingency

Footing Type (Pile/Spread) Cost Per ft2 (see comment below)

Total cost for Structure

STRUCTURE CATEGORY: A=Mainline (Viaduct, bridge over stream/channel), B=Service I/C (OC, UC, local St., ramp), C=System I/C (Connector, separation), D=Land crossing, E=Widening

\$559,000

	(1)	(2)	(3)
Bridge Name	Warren OC	Warren	Ramona Bridge
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	128.50	119.80	106.80
Span (out to out) - (ft)	314.00	180.00	460.00
Total Area (ft2)	40,349.00	21,564.00	49,128.00
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH
Structure Category	В	В	В
Cost Per ft2 (see comment below)	\$330	\$330	\$330
Total cost for Structure	\$13,315,170	\$7,116,120	\$16,212,240
	(4)	(5)	(6)
Bridge Name	MCP Bridge	MCP Bridge	SB-WB
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	94.50	94.30	41.80
Span (out to out) - (ft)	572.00	530.00	350.00
Total Area (ft2)	54,054.00	49,979.00	14,630.00
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH
Structure Category	В	В	C
Cost Per ft2 (see comment below)	\$330	\$330	\$250
Total cost for Structure	\$17,837,820	\$16,493,070	\$3,657,500
	(7)	(8)	(9)
Bridge Name	SB-WB	NB-WB	EB-NB
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	41.80	46.80	46.50
Span (out to out) - (ft)	2,538.50	2,374.80	3,483.00
Total Area (ft2)	106,109.30	111,140.64	161,959.50
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH
Structure Category	С	С	C
Cost Per ft2 (see comment below)	\$250	\$250	\$250
Total cost for Structure	\$26,527,325	\$27,785,160	\$40,489,875
	(10)		
Bridge Name	EB-SB		
Structure Type	CIP/PS		
Width (out to out) - (ft)	41.80		
Span (out to out) - (ft)	2,260.00		
Total Area (ft2)	94,468.00		
Footing Type (Pile/Spread)	CIDH		
Structure Category	<u>C</u>		
Cost Per ft2 (see comment below)	\$250		
Total cost for Structure	\$23,617,000		

Bridge Name		
Structure Type		
Width (out to out) - (ft)	 	
Span (out to out) - (ft)	 	
Total Area (ft2)		
Footing Type (Pile/Spread)		
Structure Category		
Cost Per ft2 (see comment below)	 	
Total cost for Structure	 	
_	 	
Bridge Name		
Structure Type		
Width (out to out) - (ft)	 	
Span (out to out) - (ft)	 	
Total Area (ft2)		-
Footing Type (Pile/Spread)		
Structure Category		
Cost Per ft2 (see comment below)		
Cost 1 et 112 (see collillellt below)	 	

Total cost for Structure

TOTAL STRUCTURES ITEMS \$193,051,280 (Sum of Total Cost for Structures)

COMMENTS: Cost include 10% mobilization and 25% contingency

	(1)	(2)	(3)
	(-)	(-)	SR79 SB on-
Bridge Name	SR 79 UC	SR 79 UC	ramp
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	41.80	41.80	40.80
Span (out to out) - (ft)	183.00	183.00	184.00
Total Area (ft2)	7,649.40	7,649.40	7,507.20
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH
Structure Category	В	В	В
Cost Per ft2 (see comment below)	\$330	\$330	\$330
Total cost for Structure	\$2,524,302	\$2,524,302	\$2,477,376
	( <b>4</b> ) SR79 NB off-	(5)	(6)
Bridge Name	ramp	SR 79	SR 79
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	38.80	41.80	41.80
Span (out to out) - (ft)	183.20	870.00	870.00
Total Area (ft2)	7,108.16	36,366.00	36,366.00
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH
Structure Category	В	В	B
Cost Per ft2 (see comment below)	\$330	\$330	\$330
Total cost for Structure	\$2,345,693	\$12,000,780	\$12,000,780
	(7)	(8)	(9)
	SR79 over	SR79 SB off-	SR79 NB on-
Bridge Name	Ramona		
Structure Type	CIP/PS	ramp CIP/PS	ramp CIP/PS
Width (out to out) - (ft)	116.70	26.80	40.40
Span (out to out) - (ft)	251.00	250.00	255.00
Total Area (ft2)	29,291.70	6,700.00	10,302.00
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH
Structure Category	В	В	В
Cost Per ft2 (see comment below)	\$330	\$330	\$330
Total cost for Structure	\$9,666,261	\$2,211,000	\$3,399,660
	(10)		
D. I. W	SR79 over SJ		
Bridge Name	River		
Structure Type	CIP/PS		
Width (out to out) - (ft)	49.00		
Span (out to out) - (ft)	1,233.00		
Total Area (ft2)	60,417.00		
Footing Type (Pile/Spread)	( 'H ) L		
	CIDH		
Structure Category Cost Per ft2 (see comment below)	A \$350		

Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure		
Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure		

TOTAL STRUCTURES ITEMS \$70,296,104
(Sum of Total Cost for Structures)

COMMENTS: Cost include 10% mobilization and 25% contingency

Total cost for Structure

STRUCTURE CATEGORY: A=Mainline (Viaduct, bridge over stream/channel), B=Service I/C (OC, UC, local St., ramp), C=System I/C (Connector, separation), D=Land crossing, E=Widening

\$21,145,950

III. RIGHT OF WAY ITEMS ESCALATED VALUE		
TOTAL RIGHT OF WAY ITEMS (Escalated Value)		\$187,618,366
Anticipated Date of Right of Way Certification (Date to which Values are Escalated)		2013
F. Construction Contract Work  Brief Description of Work:	- -	
Right of Way Branch Cost Estimate for Work *  * This dollar amount is to be included in the Roadway and/or Structures Items of Work, as appropriate. Do not include in Right of Way Items.	\$ <u>n/a</u>	

COMMENTS:

1. See Right of Way Data Sheet for more details regarding Right of Way items. Data sheets are being submitted for review.

Estimate Prepared By L. Overcamp Phone# 310-626-4840 Date Jan 2012 (Print Name)

# **Draft Project Report Cost Estimate**

District-County-Ro	oute 08-Riv- Mid County Parkway
KP(P	PM) 28.0/34.3 PM
	EA <u>08-804-0F3200</u>
Program Co	ode HE-14
PROJECT DESCRIPTION:  Limits Between I-215 and SR-79 in the vicinity of Ramona Expres	swav
Detween 1 213 and 510 77 in the vicinity of Ramona Expres	Sway
Proposed Improvement (Scope): Construction of new 16 mile	six-lane
freeway.	
Alternate: 4 Modified DV	
SUMMARY OF PROJEC	CT COST ESTIMATE
TOTAL ROADWAY ITEMS	\$845,873,595_
TOTAL STRUCTURE ITEMS	\$1,013,492,194
SUBTOTAL CONSTRUCTION COSTS	\$1,859,365,789_
TOTAL RIGHT OF WAY ITEMS	\$160,146,953
TOTAL PROJECT CAPITAL OUTLAY COSTS	\$
Reviewed by District Program Manager (Signature)	Date
Approved by Project Manager	Date
(Signature)	Date
Phone No.	

#### I. ROADWAY ITEMS

Section 1 Earthwork	Quantity	<u>Unit</u>		Unit Price		Item Cost		Section Cost
Roadway Excavation	7,270,774	yd3	\$	9	\$	65,436,966		
Imported Borrow	7,448,276	yd3	\$	20	\$	148,965,520		
Disposal Offsite	0	yd3	\$	8	\$	0		
Mass Haul	55,642,611	mi-yd3	\$	1	\$	55,642,611		
Clearing & Grubbing	1	ls	\$	16,626,000	\$	16,626,000		
Develop Water Supply	1	ls	\$	3,271,848	\$	3,271,848		
			_		Sub	total Earthwork	\$_	289,942,945
Section 2 Pavement Structural Section								
	Quantity	<u>Unit</u>		Unit Price		Item Cost		
Jointed Plain Concrete Pavement	154,185	yd3	\$	130	\$_	20,044,093		
HMA (Type A) and HMA BB	516,607	ton	\$	80	\$	41,328,555		
Rubberized HMA Gap Graded	161,978	ton	\$	90	\$	14,578,006		
Lean Concrete Base	69,894	yd3	\$	80	\$	5,591,534		
Class 2 - Aggregate Base	778,481	yd3	\$	32	\$	24,911,400		
Class 2 - Aggregate Subbase	78,289	yd3	\$	25	\$	1,957,223		
Edge Drains	30,846	1f	\$	11	\$	339,306		
			Sı	ıbtotal Paveme	ent St	ructural Section	\$_	108,750,117
Section 3 Drainage	Quantity	<u>Unit</u>		Unit Price	I	em Cost		
Large Drainage Facilities	0	ea	\$	0	\$	0		
Storm Drains	1	ls	\$	9,969,250	\$	9,969,250		
Concrete Open Lined Channel	0	lf	\$	800	\$	0		
Pumping Plants	0	ls	-	0	-	0		
Permanent BMP	1	ls	\$	21,654,680	\$	21,654,680		
			· -		Su	btotal Drainage	\$_	31,623,930

#### COMMENTS:

Project drainage includes X-Drains, overside, etc.

COST ESTIMATE
ALTERNATIVE 4 MODIFIED SJN-DV

Section 4 Specialty Items	<b>Quantity</b>	<u>Unit</u>		<b>Unit Price</b>		Item Cost		Section Cost	Section 6
Resident Engineer Office Space	1	ls	\$_	384,000	\$	384,000			
Retaining Walls	243,796	ft2	\$	90	\$	21,941,640			
Retaining Walls (MSE)	0	ft2	\$	100	\$	0			
Noise Barriers	88,110	ft2	\$	60	\$	5,286,600			
Barriers and Guardrails	98,477	1f	\$	35	\$	3,446,695			
Highway Planting	449	ac	\$	49,120	\$	22,054,880			
Revegetation	0	ac	\$	10,000	\$	0			Section 7
Erosion Control	222	ac	\$	35,000	\$	7,770,000			
Water Pollution Control	1	1s	\$	7,477,898	\$	7,477,898			
Hazardous Waste Mitigation	3,063,318	yd3	\$	13	\$	39,823,134			
Environmental Mitigation	1	1s	\$	6,444,720	\$	6,444,720			
Tieback Walls	0	ls	\$	1,204,000	\$	0			
					Subto	otal Specialty Items	\$	\$114,629,566	
Section 5 Traffic Items	Quantity	<u>Unit</u>		Unit Price		Item Cost		Section Cost	Section 8
Lighting	213	ea	\$	6,500	\$	1,384,500			
Traffic Delineation Items	268	ln-mi	\$	10,200	\$	2,733,600			
Traffic Signals	25	ea	\$	200,000	\$	5,000,000			
Overhead Sign Structures	58	ea	\$	250,000	\$	14,500,000			
Roadside Signs	520	ea	\$	500	\$	260,000			
Traffic Control Systems	1	1s	\$	1,238,000	\$	1,238,000			
Transportation Management Plan	1	1s	\$	13,547,040	\$	13,547,040			
Ramp Metering	35	ea	\$	60,000		2,100,000			
ITS Elements	1	ls	\$	20,000,000		20,000,000			
					Su	btotal Traffic Items	\$_	\$60,763,140	
				TO	TAL S	SECTIONS 1 thru 5	\$	\$605,709,699	

Section 6 Minor Items		<u>Item Cost</u>	Section Cost
	605,709,699 (Subtotal Sections 1 thru 5)	x (5%) = \$ 30,285,485 TOTAL MINOR ITEM	1S \$ <u>30,285,485</u>
Section 7 Roadway Mobilis	2ation 635,995,184 (Subtotal Sections 1 thru 6)	x (10%) \$ 63,599,518 TOTAL ROADWAY MOBILIZATION	ON \$ 63,599,518
Section 8 Roadway Addition	ork	x (3%) = \$ 19,079,856	
Contingencies	635,995,184 (Subtotal Sections 1 thru 6)	x (20%) \$\frac{127,199,037}{\text{TOTAL ROADWAY ADDITION}}\$  TOTAL ROADWAY ITEM (Subtotal Sections 1 thru	1S \$ 845,873,595
Estimate Prepared By	(Print Name)		Date
Estimate Checked By	(Print Name)	Phone#	Date

	(1)	(2)	(2)	
	(1)	(2)	(3)	
D'I N	Placentia Ave	Placentia Ave	WALCO .	D'I M
Bridge Name	OH at RR	OC at I-215	WN Connector	Bridge Name
Structure Type	CIP/PS	CIP/PS	CIP/PS	Structure Type
Width (out to out) - (ft)	25.63	34.16	41.65	Width (out to out) - (ft)
Span (out to out) - (ft)	125.29	216.16	1,364.23	Span (out to out) - (ft)
Total Area (ft2)	3,211.34	7,384.00	56,791.24	Total Area (ft2)
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	Footing Type (Pile/Spread)
Structure Category	<u>E</u>	<u>E</u>	<u>C</u>	Structure Category
Cost Per ft2 (see comment below)	\$450	\$450	\$250	Cost Per ft2 (see comment below)
Total cost for Structure	\$1,445,103	\$3,322,800	\$14,197,810	Total cost for Structure
	(4)	(5)	(6)	
	WN Connector at		WS Connector at	
Bridge Name	Webster UC	WS Connector	Webster UC	Bridge Name
Structure Type	CIP/PS	CIP/PS	CIP/PS	Structure Type
Width (out to out) - (ft)	43.15	46.65	57.42	Width (out to out) - (ft)
Span (out to out) - (ft)	221.08	2,272.85	238.27	Span (out to out) - (ft)
Total Area (ft2)	9,514.68	106,669.34	13,436.27	Total Area (ft2)
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	Footing Type (Pile/Spread)
Structure Category	В	C	В	Structure Category
Cost Per ft2 (see comment below)	\$330	\$250	\$330	Cost Per ft2 (see comment below)
Total cost for Structure	\$3,139,844	\$26,667,335	\$4,433,969	Total cost for Structure
	<b>(7</b> )	(8)	(9)	
		SE Connector		
Bridge Name	SE Connector	at Webster UC	Webster UC	
Structure Type	CIP/PS	CIP/PS	CIP/PS	
Width (out to out) - (ft)	41.65	41.65	61.60	
Span (out to out) - (ft)	3,755.96	345.82	258.97	
Total Area (ft2)	157,352.03	14,364.46	16,086.23	
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	
Structure Category	<u>C</u>	<u>B</u>	<u>B</u>	
Cost Per ft2 (see comment below)	\$250	\$330	\$330	
Total cost for Structure	\$39,338,008	\$4,740,272	\$5,308,456	
	(10)			
	Cajalco OH at			
Bridge Name	Railroad			
Structure Type	CIP/PS			
Width (out to out) - (ft)	47.01			
Span (out to out) - (ft)	143.15			
Total Area (ft2)	6,729.37			
Footing Type (Pile/Spread)	CIDH			
Characteria Catalana	E			

TOTAL STRUCTURES ITEMS	\$105,621,811
(Sum of Total Cost for Structures)	

COMMENTS: Cost include 10% mobilization and 25% contingency

Structure Category
Cost Per ft2 (see comment below)

Total cost for Structure

STRUCTURE CATEGORY: A=Mainline (Viaduct, bridge over stream/channel), B=Service I/C (OC, UC, local St., ramp), C=System I/C (Connector, separation), D=Land crossing, E=Widening

\$450 \$3,028,214

	(1)	(2)	(3)	
	Ramona	Ramona	Indian Ave	
Bridge Name	Expwy UC EB	Expwy UC WB	UC EB	Bridge Name
Structure Type	CIP/PS	CIP/PS	CIP/PS	Structure Type
Width (out to out) - (ft)	82.65	70.65	96.44	Width (out to o
Span (out to out) - (ft)	585.00	585.00	291.39	Span (out to ou
Total Area (ft2) Footing Type (Pile/Spread)	48,352.60 CIDH	42,627.72 CIDH	27,658.10 CIDH	Total Area (ft2 Footing Type (l
Structure Category	В	В	В	Structure Categ
Cost Per ft2 (see comment below)	\$330	\$330	\$330	Cost Per ft2 (se
Total cost for Structure	\$15,956,358	\$14,067,146	\$9,127,174	Total cost for S
Total cost for Structure	Ψ13,730,330	Ψ14,007,140	Ψ),121,114	Total cost for 5
	(4)	(5)	(6)	
	Indian Ave	Perris Blvd	Perris Blvd	
Bridge Name	UC WB	UC EB	UC WB	Bridge Name
Structure Type	CIP/PS	CIP/PS	CIP/PS	Structure Type
Width (out to out) - (ft)	71.00	101.55	59.00	Width (out to o
Span (out to out) - (ft)	298.77	310.00	310.00	Span (out to ou
Total Area (ft2)	22,118.97	26,912.08	18,290.00	Total Area (ft2
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	Footing Type (
Structure Category	В	В	В	Structure Categ
Cost Per ft2 (see comment below)	\$330	\$330	\$330	Cost Per ft2 (se
Total cost for Structure	\$7,299,262	\$8,880,987	\$6,035,700	Total cost for S
	(7)	(8)	(9)	
5	MCP WB	MCP EB		
Bridge Name	Viaduct CID/PG	Viaduct	Evans Rd WB	
Structure Type	CIP/PS	CIP/PS	CIP/PS	
Width (out to out) - (ft)	58.65	58.65	111.08	
Span (out to out) - (ft) Total Area (ft2)	9,700.00 586,301.96	9,700.00 576,114.55	254.66 25,810.72	
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	
Structure Category	A	A	В	
Cost Per ft2 (see comment below)	\$350	\$350	\$330	
Total cost for Structure	\$205,205,685	\$201,640,092	\$8,517,537	
	(10)			
	(10)			
Bridge Name	Evans Rd EB			
Structure Type	CIP/PS			
Width (out to out) - (ft)	108.91			
Span (out to out) - (ft)	269.24			
Total Area (ft2)	26,242.78			
Footing Type (Pile/Spread)	CIDH			
Structure Category	B			

Structure Type	 <u> </u>	'-
Width (out to out) - (ft)	 	<u> </u>
Span (out to out) - (ft)		
Total Area (ft2)		
Footing Type (Pile/Spread)	 	
Structure Category		
Cost Per ft2 (see comment below)	 	
Total cost for Structure		
Bridge Name		
Structure Type	 	
Width (out to out) - (ft)	 	
Span (out to out) - (ft)	 	
Total Area (ft2)	 	
Footing Type (Pile/Spread)	 	
Structure Category	 	-
Cost Per ft2 (see comment below)	 	
Total cost for Structure	 	-

TOTAL STRUCTURES ITEMS \$485,390,058 (Sum of Total Cost for Structures)

COMMENTS: Cost include 10% mobilization and 25% contingency

Cost Per ft2 (see comment below)

Total cost for Structure

STRUCTURE CATEGORY: A=Mainline (Viaduct, bridge over stream/channel), B=Service I/C (OC, UC, local St., ramp), C=System I/C (Connector, separation), D=Land crossing, E=Widening

\$330

\$8,660,118

	(1)	(2)	(3) Ramona Exp WB	
Bridge Name	Ramona Exp UC	Ramona Exp UC	on-ramp UC	Bridge Na
Structure Type	CIP/PS	CIP/PS	CIP/PS	Structure
Width (out to out) - (ft)	61.80	61.80	40.20	Width (or
Span (out to out) - (ft)	253.80	253.80	250.80	Span (out
Total Area (ft2)	15,684.84	15,684.84	10,082.16	Total Are
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	Footing T
Structure Category	<u>B</u>	<u>B</u>	В	Structure
Cost Per ft2 (see comment below)	\$330	\$330	\$330	Cost Per f
Total cost for Structure	\$5,175,997	\$5,175,997	\$3,327,113	Total cost
	(4)	(5)	(6)	
Bridge Name	Bernasconi	San Jacinto River	San Jacinto River	Bridge Na
Structure Type	CIP/PS	CIP/PS	CIP/PS	Structure
Width (out to out) - (ft)	54.80	62.00	62.00	Width (or
Span (out to out) - (ft)	419.50	2,985.40	2,985.40	Span (out
Total Area (ft2)	22,988.60	185,094.64	185,094.64	Total Are
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	Footing T
Structure Category	<u>B</u>	A	A #250	Structure
Cost Per ft2 (see comment below) Total cost for Structure	\$330 \$7,586,238	\$350 \$64,783,125	\$350 \$64,783,125	Cost Per f Total cost
	(7)	(8)	(9)	
Bridge Name	Reservoir	Town Center	Park Center	
Structure Type	CIP/PS	CIP/PS	CIP/PS	
Width (out to out) - (ft)	118.30	108.80	124.80	
Span (out to out) - (ft)	300.00	309.00	295.00	
Total Area (ft2)	35,490.00	33,619.20	36,816.00	
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	
Structure Category	В	В	B	
Cost Per ft2 (see comment below)	\$330	\$330	\$330	
Total cost for Structure	\$11,711,700	\$11,094,336	\$12,149,280	
	(10)			
Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Cost Per ft2 (see comment below)	Wildlife Crossing Galv steel			
Total cost for Structure	\$559,000			

Bridge Name		
Structure Type		
Width (out to out) - (ft)	 	
Span (out to out) - (ft)	 	
Total Area (ft2)		
Footing Type (Pile/Spread)		
Structure Category		
Cost Per ft2 (see comment below)		
Total cost for Structure		
Bridge Name		
_	 	-
Structure Type Width (out to out) (ft)	 	
Width (out to out) - (ft)	 	
Span (out to out) - (ft)	 	
Total Area (ft2)	 	
Footing Type (Pile/Spread)		
Structure Category	 	
Cost Per ft2 (see comment below)	 	
Total cost for Structure	 	

TOTAL STRUCTURES ITEMS \$186,345,911
(Sum of Total Cost for Structures)

COMMENTS: Cost include 10% mobilization and 25% contingency

	(1)	(2)	(3)		(13)	(14) MCP over
Bridge Name	Warren OC	MCP Bridge	MCP Bridge	Bridge Name	EB-SB	SR 79
Structure Type	CIP/PS	CIP/PS	CIP/PS	Structure Type	CIP/PS	CIP/PS
Width (out to out) - (ft)	105.00	75.00	61.00	Width (out to out) - (ft)	43.00	108.00
Span (out to out) - (ft)	412.00	342.00	338.50	Span (out to out) - (ft)	210.00	234.00
Total Area (ft2)	43,260.00	25,650.00	20,648.50	Total Area (ft2)	9,030.00	25,272.00
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	Footing Type (Pile/Spread)	CIDH	CIDH
Structure Category	В	В	В	Structure Category	С	В
Cost Per ft2 (see comment below)	\$330	\$330	\$330	Cost Per ft2 (see comment below)	\$250	\$330
Total cost for Structure	\$14,275,800	\$8,464,500	\$6,814,005	Total cost for Structure	\$2,257,500	\$8,339,760
	(4)	(5)	(6)			
D. 1.1	Warren EB on-	0.1.11		5.11		
Bridge Name	ramp	Odell	Odell	Bridge Name		
Structure Type	CIP/PS	CIP/PS	CIP/PS	Structure Type		
Width (out to out) - (ft)	41.00	60.00 185.00	63.00	Width (out to out) - (ft)		-
Span (out to out) - (ft)	329.00		185.00 11,655.00	Span (out to out) - (ft)		
Total Area (ft2)	13,489.00	11,100.00		Total Area (ft2)		
Footing Type (Pile/Spread) Structure Category	CIDH B	CIDH B	CIDH B	Footing Type (Pile/Spread)		-
Cost Per ft2 (see comment below)	\$330	\$330	\$330	Structure Category Cost Per ft2 (see comment below)		
Total cost for Structure	\$4,451,370	\$3,663,000	\$3,846,150	Total cost for Structure		
	(7)	(8)	(9)			
Bridge Name	Cawston	Cawston	SB-WB			
Structure Type	CIP/PS	CIP/PS	CIP/PS			
Width (out to out) - (ft)	96.00	78.00	43.00			
Span (out to out) - (ft)	187.30	187.30	2,485.00			
Total Area (ft2)	17,980.80	14,609.40	106,855.00			
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH			
Structure Category	В	В	С			
Cost Per ft2 (see comment below)	\$330	\$330	\$250			
Total cost for Structure	\$5,933,664	\$4,821,102	\$26,713,750			
	(10)	(11)	(12)			
Bridge Name	NB-WB	EB-NB/EB-SB	EB-NB			
Structure Type	CIP/PS	CIP/PS	CIP/PS			
Width (out to out) - (ft)	48.00	88.50	48.00			
Span (out to out) - (ft)	3,070.00	226.50	2,345.00			
Total Area (ft2)	147,360.00	20,045.25	112,560.00			
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH			
Structure Category	С	С	С			
Cost Per ft2 (see comment below)	\$250	\$250	\$250			
FF - 1 - C - C	#2 < 0.40 00C	Ø5 011 010	<b>#20 140 000</b>			

TOTAL STRUCTURES ITEMS \$159,571,914 (Sum of Total Cost for Structures)

COMMENTS: Cost include 10% mobilization and 25% contingency

Total cost for Structure

STRUCTURE CATEGORY: A=Mainline (Viaduct, bridge over stream/channel), B=Service I/C (OC, UC, local St., ramp), C=System I/C (Connector, separation), D=Land crossing, E=Widening

\$28,140,000

\$5,011,313

\$36,840,000

Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure	(1) SR79 over SJ River CIP/PS 175.00 1,250.00 218,750.00 CIDH A \$350 \$76,562,500	Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure	
Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure		Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure	
Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure			
Bridge Name Structure Type Width (out to out) - (ft)			

TOTAL STRUCTURES ITEMS \$76,562,500
(Sum of Total Cost for Structures)

COMMENTS: Cost include 10% mobilization and 25% contingency

Span (out to out) - (ft) Total Area (ft2)

Total cost for Structure

Footing Type (Pile/Spread) Structure Category

Cost Per ft2 (see comment below)

#### III. RIGHT OF WAY ITEMS ESCALATED VALUE

Estimate Prepared By L. Overcamp

(Print Name)

III. MOITI OF WITH TIEWIS ESCILENTED VILLEE		
TOTAL RIGHT OF WAY ITEMS (Escalated Value)	\$	\$160,146,953
Anticipated Date of Right of Way Certification (Date to which Values are Escalated)		2013
F. Construction Contract Work  Brief Description of Work:		
Right of Way Branch Cost Estimate for Work *  * This dollar amount is to be included in the Roadway and/or Structures Items of Work, as appropriate. Do not include in Right of Way Items.	\$ <u>n/a</u>	
COMMENTS:		
1. See Right of Way Data Sheet for more details regarding Right of Way items. Data sheets are being submitted f	or re	view.

Phone# 310-626-4840

Date Jan 2012

COST ESTIMATE ALTERNATIVE 4 MODIFIED SJN-DV H-32

# **Draft Project Report Cost Estimate**

	District-County-Ro	oute <u>08-Ri</u>	v- Mid County Parkway					
KP(PM) 28.0/34.3 PM								
	EA 08-804-0F3200							
	Program C	ode HE-1	4					
PROJECT DESCRIPTION:								
Limits Between I-215 and SR-79 in	the vicinity of Rider Street ar	nd the Ra	mona Expressway					
Proposed Improvement (Scope):	Proposed Improvement (Scope): Construction of new 16 mile six-lane							
	freeway.							
Alternate: 5 Modified DV								
	SUMMARY OF PROJE	CT COS	T ESTIMATE					
TOTAL ROADWAY ITEMS		\$	856,748,788					
TOTAL STRUCTURE ITEMS		\$	615,420,359					
SUBTOTAL CONSTI	RUCTION COSTS	\$	1,472,169,148					
TOTAL RIGHT OF WAY ITEM	MS	\$	171,702,519					
TOTAL PROJECT CA	APITAL OUTLAY COSTS	\$	1,643,871,667					
Reviewed by District Program Man	ager_		Date					
	(Signature)							
Approved by Project Man	ager(Signature)		Date					
	(Signature)							
Phone No.	)							

#### I. ROADWAY ITEMS

Section 1 Earthwork	Quantity	<u>Unit</u>		Unit Price		Item Cost		Section Cost
Roadway Excavation	7,573,371	yd3	\$_	9	\$	68,160,339		
Imported Borrow	6,252,987	yd3	\$	20	\$	125,059,740		
Disposal Offsite	0	yd3	\$	8	\$	0		
Mass Haul	46,408,639	mi-yd3	\$	1	\$	46,408,639		
Clearing & Grubbing	1	ls	\$	17,000,900	\$	17,000,900		
Develop Water Supply	1	ls	\$	3,408,017	\$	3,408,017		
					Subt	otal Earthwork	\$_	260,037,635
Section 2 Pavement Structural Section								
	Quantity	<u>Unit</u>		Unit Price		Item Cost		
Jointed Plain Concrete Pavement	169,769	yd3	\$	130	\$	22,070,023		
HMA (Type A) and HMA BB	557,210	ton	\$	80	\$	44,576,780		
Rubberized HMA Gap Graded	169,230	ton	\$	90	\$	15,230,744		
Lean Concrete Base	77,686	yd3	\$	80	\$	6,214,897		
Class 2 - Aggregate Base	846,092	yd3	\$	32	\$	27,074,929		
Class 2 - Aggregate Subbase	89,198	yd3	\$	25	\$	2,229,944		
Edge Drains	23,279	1f	\$	11	\$	256,069		
			Sτ	btotal Paveme	ent Str	uctural Section	\$_	117,653,386
Section 3 Drainage	Quantity	Unit		Unit Price	It	em Cost		
Large Drainage Facilities	0	ea	\$	0	\$	0		
Storm Drains	1	ls	\$	10,599,180	- · <u>-</u>	10,599,180		
Concrete Open Lined Channel	0	1f	\$	800	-	0		
Pumping Plants	0	ls	_	0		0		
Permanent BMP	1	ls	\$	21,629,525	- \$	21,629,525		
			· <del>-</del>		Sul	ototal Drainage	\$_	32,228,705

#### COMMENTS:

Project drainage includes X-Drains, overside, etc.

COST ESTIMATE
ALTERNATIVE 5 MODIFIED SJN-DV

Section 4 Specialty Items	Quantity	<u>Unit</u>		Unit Price		Item Cost		Section Cost
Resident Engineer Office Space	1	ls	\$	384,000	\$	384,000		
Retaining Walls	579,871	ft2	\$	90	\$	52,188,390		
Retaining Walls (MSE)	0	ft2	\$	100	\$	0		
Noise Barriers	92,822	ft2	\$	60	\$	5,569,320		
Barriers and Guardrails	91,355	1f	\$	35	\$	3,197,425		
Highway Planting	380	ac	\$	49,120	\$	18,655,776		
Revegetation	0	ac	\$	10,000	\$	0		
Erosion Control	223	ac	\$	35,000	\$	7,808,500		
Water Pollution Control	1	ls	\$	7,574,039	\$	7,574,039		
Hazardous Waste Mitigation	3,136,846	yd3	\$	13	\$	40,779,002		
Environmental Mitigation	1	ls	\$	6,414,805	\$	6,414,805		
Tieback Walls	0	ls	\$	1,204,000	\$	0		
					Sub	total Specialty Items	\$_	\$142,571,257
Section 5 Traffic Items	Quantity	<u>Unit</u>		<u>Unit Price</u>		Item Cost		Section Cost
Lighting	216	ea	\$_	6,500	\$_	1,404,000		
Traffic Delineation Items	251	ln-mi	\$_	10,200	\$	2,557,140		
Traffic Signals	27	ea	\$_	200,000	\$	5,400,000		
Overhead Sign Structures	58	ea	\$	250,000	\$	14,500,000		
Roadside Signs	520	ea	\$	500	\$	260,000		
Traffic Control Systems	1	ls	\$	1,238,000	\$	1,238,000		
Transportation Management Plan	1	ls	\$	13,547,040	\$	13,547,040		
Ramp Metering	35	ea	\$	60,000		2,100,000		
ITS Elements	1	ls	\$	20,000,000		20,000,000		
					S	ubtotal Traffic Items	\$_	\$61,006,180
				TO	TAL	SECTIONS 1 thru 5	\$_	\$613,497,163

Section 6 Minor Items		<u>Item Cost</u>	Section Cost
	613,497,163 (Subtotal Sections 1 thru 5)	x (5%) = \$ 30,674,858 TOTAL MINOR IT	EMS \$ 30,674,858
Section 7 Roadway Mobilization 644,172,021		x (10%) \$ 64,417,202	
	(Subtotal Sections 1 thru 6)	TOTAL ROADWAY MOBILIZA	ΓΙΟΝ \$ <u>64,417,202</u>
Section 8 Roadway Addition	on <u>s</u>		
Supplemental Wo		x (3%) = \$ 19,325,161	
Contingencies	644,172,021 (Subtotal Sections 1 thru 6)	x (20%) \$ 128,834,404	
		TOTAL ROADWAY ADDIT	IONS \$ 148,159,565
		TOTAL ROADWAY IT (Subtotal Sections 1 th	EMS \$ 856,748,788 uru 8)
Estimate Prepared By		Phone#	Date
Zaminio Frepured By	(Print Name)		
Estimate Checked By	(Print Name)	Phone#	Date

COST ESTIMATE ALTERNATIVE 5 MODIFIED SJN-DV H-34

	(1)	(2)	(3) NB-EB	
	Placentia / I-215	Placentia /	Connector /	
	OC Widening	Railroad OC	Placentia NB	
Bridge Name	0.0	Widening	On Separation	Bridge Name
Structure Type	CIP/PS	CIP/PS	CIP/PS	Structure Type
Width (out to out) - (ft)	31.16	25.63	51.92	Width (out to out) - (ft)
Span (out to out) - (ft)	216.16	125.29	173.66	Span (out to out) - (ft)
Total Area (ft2)	6,735.56	3,211.34	9,016.20	Total Area (ft2)
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	Footing Type (Pile/Spread)
Structure Category	Е	Е	С	Structure Category
Cost Per ft2 (see comment below)	\$450	\$450	\$250	Cost Per ft2 (see comment be
Total cost for Structure	\$3,031,001	\$1,445,105	\$2,254,050	Total cost for Structure
	(4)	(5)	(6)	
			SB-EB Connector	
	WB-SB		/ Cajalco SB On	
Bridge Name	Connector	SB-EB Connector	Separation	Bridge Name
Structure Type	CIP/PS	CIP/PS	CIP/PS	Structure Type
Width (out to out) - (ft)	46.00	46.00	43.00	Width (out to out) - (ft)
Span (out to out) - (ft)	3,591.91	2,772.66	374.58	Span (out to out) - (ft)
Total Area (ft2)	165,227.97	127,542.52	16,106.95	Total Area (ft2)
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	Footing Type (Pile/Spread)
Structure Category	<u>C</u>	<u>C</u>	<u>C</u>	Structure Category
Cost Per ft2 (see comment below)	\$250	\$250	\$250	Cost Per ft2 (see comment be
Total cost for Structure	\$41,306,991	\$31,885,631	\$4,026,738	Total cost for Structure
	(7) WB-NB	(8)	(9)	
	Connector /		Cajalco /	
	Cajalco NB Off	Cajalco / I-215	Railroad OC	
Bridge Name	Separation	OC	Widening	
Structure Type	CIP/PS	CIP/PS	CIP/PS	
Width (out to out) - (ft)	43.00	119.00	47.01	
Span (out to out) - (ft)	246.51	256.16	143.15	
Total Area (ft2)	10,600.10	30,483.13	6,729.37	
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	
Structure Category	С	В	E	
Cost Per ft2 (see comment below)	\$250	\$330	\$450	
Total cost for Structure	\$2,650,024	\$10,059,432	\$3,028,214	
Bridge Name				
Structure Type				
Width (out to out) - (ft)				
Span (out to out) - (ft)				
Total Area (ft2)				
Footing Type (Pile/Spread) Cost Per ft2 (see comment below)				
Total cost for Structure				

roomig Type (Pile/Spread)			
Structure Category			
Cost Per ft2 (see comment below)			
Total cost for Structure	-		
Total cost for Structure			
Bridge Name			
Structure Type			
Width (out to out) - (ft)			
Span (out to out) - (ft)			-
			-
Total Area (ft2)			-
Footing Type (Pile/Spread)			
Structure Category			
Cost Per ft2 (see comment below)			
Total cost for Structure			
		<del></del>	

TOTAL STRUCTURES ITEMS \$99,687,186 (Sum of Total Cost for Structures)

COMMENTS: Cost include 10% mobilization and 25% contingency

Total cost for Structure

	(1)	(2)	(3)
	(1)	(2)	Relands Ave UC
Bridge Name	Indian Ave OC	Perris Blvd OC	WB
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	81.00	107.00	60.00
Span (out to out) - (ft)	366.35	404.71	271.93
Total Area (ft2)	29,674.12	43,303.63	16,315.90
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH
Structure Category	В	В	В
Cost Per ft2 (see comment below)	\$330	\$330	\$330
Total cost for Structure	\$9,792,460	\$14,290,198	\$5,384,248
Total cost for structure	Ψ>,7>2,100	Ψ11,230,130	ψ3,301,210
	(4)	(5)	(6)
	Relands Ave UC	Wilson Ave UC	Wilson Ave UC
Bridge Name	EB	WIISON AVE OC WB	EB
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)			
Span (out to out) - (ft)	60.00 258.88	60.00 261.65	60.00 260.40
Total Area (ft2)	15,533.05	15,698.90	15,623.75
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH
	В	В	В
Structure Category Cost Per ft2 (see comment below)	\$330	\$330	\$330
Total cost for Structure	\$5,125,906	\$5,180,637	\$5,155,838
Total cost for Structure	\$5,125,900	\$3,160,037	\$3,133,636
	(7)	(8)	(9)
	Perris Storm	Perris Storm	
Bridge Name	Drain Bridge WB	Drain Bridge EB	Evan Rd WB UC
<del>-</del>			
Structure Type	CIP/PS	CIP/PS	CIP/PS
Structure Type Width (out to out) - (ft)	CIP/PS 61.22	CIP/PS 72.00	CIP/PS 104.07
Width (out to out) - (ft)	61.22	72.00	104.07
Width (out to out) - (ft) Span (out to out) - (ft)		72.00 700.00	104.07 233.00
Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2)	61.22 700.00	72.00	104.07
Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread)	61.22 700.00 42,855.57 CIDH	72.00 700.00 50,398.58	104.07 233.00 24,248.38
Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category	61.22 700.00 42,855.57 CIDH A	72.00 700.00 50,398.58 CIDH A	104.07 233.00 24,248.38 CIDH B
Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread)	61.22 700.00 42,855.57 CIDH A \$350	72.00 700.00 50,398.58 CIDH A \$350	104.07 233.00 24,248.38 CIDH B \$330
Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below)	61.22 700.00 42,855.57 CIDH A	72.00 700.00 50,398.58 CIDH A	104.07 233.00 24,248.38 CIDH B
Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below)	61.22 700.00 42,855.57 CIDH A \$350	72.00 700.00 50,398.58 CIDH A \$350	104.07 233.00 24,248.38 CIDH B \$330
Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below)	61.22 700.00 42,855.57 CIDH A \$350 \$14,999,449	72.00 700.00 50,398.58 CIDH A \$350	104.07 233.00 24,248.38 CIDH B \$330
Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure	61.22 700.00 42,855.57 CIDH A \$350 \$14,999,449	72.00 700.00 50,398.58 CIDH A \$350	104.07 233.00 24,248.38 CIDH B \$330
Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure  Bridge Name	61.22 700.00 42,855.57 CIDH A \$350 \$14,999,449 (10) Evan Rd EB UC	72.00 700.00 50,398.58 CIDH A \$350	104.07 233.00 24,248.38 CIDH B \$330
Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure  Bridge Name Structure Type	61.22 700.00 42,855.57 CIDH A \$350 \$14,999,449 (10) Evan Rd EB UC CIP/PS	72.00 700.00 50,398.58 CIDH A \$350	104.07 233.00 24,248.38 CIDH B \$330
Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure  Bridge Name Structure Type Width (out to out) - (ft)	61.22 700.00 42,855.57 CIDH A \$350 \$14,999,449  (10)  Evan Rd EB UC CIP/PS 99.92	72.00 700.00 50,398.58 CIDH A \$350	104.07 233.00 24,248.38 CIDH B \$330
Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure  Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2)	61.22 700.00 42,855.57 CIDH A \$350 \$14,999,449  (10)  Evan Rd EB UC CIP/PS 99.92 233.00	72.00 700.00 50,398.58 CIDH A \$350	104.07 233.00 24,248.38 CIDH B \$330
Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure  Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread)	61.22 700.00 42,855.57 CIDH A \$350 \$14,999,449  (10)  Evan Rd EB UC CIP/PS 99.92 233.00 23,280.73	72.00 700.00 50,398.58 CIDH A \$350	104.07 233.00 24,248.38 CIDH B \$330
Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure  Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category	61.22 700.00 42,855.57 CIDH A \$350 \$14,999,449  (10)  Evan Rd EB UC CIP/PS 99.92 233.00 23,280.73 CIDH	72.00 700.00 50,398.58 CIDH A \$350	104.07 233.00 24,248.38 CIDH B \$330
Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure  Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread)	61.22 700.00 42,855.57 CIDH A \$350 \$14,999,449  (10)  Evan Rd EB UC CIP/PS 99.92 233.00 23,280.73 CIDH B	72.00 700.00 50,398.58 CIDH A \$350	104.07 233.00 24,248.38 CIDH B \$330

Bridge Name		
Structure Type		
Width (out to out) - (ft)		
Span (out to out) - (ft)		
Total Area (ft2)		
Footing Type (Pile/Spread)		
Structure Category		
Cost Per ft2 (see comment below)		
Total cost for Structure		
Bridge Name		
Structure Type		
Width (out to out) - (ft)		
Span (out to out) - (ft)		
Total Area (ft2)	 	
Footing Type (Pile/Spread)		
Structure Category		
Cost Per ft2 (see comment below)		
Total cost for Structure		

TOTAL STRUCTURES ITEMS \$93,252,849 (Sum of Total Cost for Structures)

COMMENTS: Cost include 10% mobilization and 25% contingency

	(1)	(2)	(3)	
Dollar Mana	D E HC	D E HC	Ramona Exp WB	D.C.L., M.
Bridge Name Structure Type	Ramona Exp UC CIP/PS	Ramona Exp UC CIP/PS	on-ramp UC CIP/PS	Bridge Name Structure Type
Width (out to out) - (ft)	61.80	61.80	40.20	Width (out to out) - (ft)
Span (out to out) - (ft)	253.80	253.80	250.80	Span (out to out) - (ft)
Total Area (ft2)	15,684.84	15,684.84	10,082.16	Total Area (ft2)
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	Footing Type (Pile/Spread)
Structure Category	В	В	В	Structure Category
Cost Per ft2 (see comment below)	\$330	\$330	\$330	Cost Per ft2 (see comment below
Total cost for Structure	\$5,175,997	\$5,175,997	\$3,327,113	Total cost for Structure
	(4)	(5)	(6)	
Bridge Name	Bernasconi	San Jacinto River	San Jacinto River	Bridge Name
Structure Type	CIP/PS	CIP/PS	CIP/PS	Structure Type
Width (out to out) - (ft)	54.80	62.00	62.00	Width (out to out) - (ft)
Span (out to out) - (ft)	419.50	2,985.40	2,985.40	Span (out to out) - (ft)
Total Area (ft2)	22,988.60	185,094.64	185,094.64	Total Area (ft2)
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	Footing Type (Pile/Spread)
Structure Category	В	A	A	Structure Category
Cost Per ft2 (see comment below)	\$330	\$350	\$350	Cost Per ft2 (see comment below
Total cost for Structure	\$7,586,238	\$64,783,125	\$64,783,125	Total cost for Structure
	(7)	(8)	(9)	
Bridge Name	Reservoir	Town Center	Park Center	
Structure Type	CIP/PS	CIP/PS	CIP/PS	
Width (out to out) - (ft)	118.30	108.80	124.80	
Span (out to out) - (ft)	300.00	309.00	295.00	
Total Area (ft2)	35,490.00	33,619.20	36,816.00	
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	
Structure Category	В	В	В	
Cost Per ft2 (see comment below)	\$330	\$330	\$330	
Total cost for Structure	\$11,711,700	\$11,094,336	\$12,149,280	
	(10)			
Bridge Name	Wildlife Crossing			
Structure Type	Galv steel			
Width (out to out) - (ft)				
Span (out to out) - (ft)				
Total Area (ft2)				
Footing Type (Pile/Spread)				
Cost Per ft2 (see comment below)	Φ550,000			

TOTAL STRUCTURES ITEMS	\$186,345,911
(Sum of Total Cost for Structures)	

COMMENTS: Cost include 10% mobilization and 25% contingency

Total cost for Structure

STRUCTURE CATEGORY: A=Mainline (Viaduct, bridge over stream/channel), B=Service I/C (OC, UC, local St., ramp), C=System I/C (Connector, separation), D=Land crossing, E=Widening

\$559,000

	(1)	(2)	(3)		(13)	(14) MCP over
Bridge Name	Warren OC	MCP Bridge	MCP Bridge	Bridge Name	EB-SB	SR 79
Structure Type	CIP/PS	CIP/PS	CIP/PS	Structure Type	CIP/PS	CIP/PS
Width (out to out) - (ft)	105.00	75.00	61.00	Width (out to out) - (ft)	43.00	108.00
Span (out to out) - (ft)	412.00	342.00	338.50	Span (out to out) - (ft)	210.00	234.00
Total Area (ft2)	43,260.00	25,650.00	20,648.50	Total Area (ft2)	9,030.00	25,272.00
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	Footing Type (Pile/Spread)	CIDH	CIDH
Structure Category	В	В	В	Structure Category	C	В
Cost Per ft2 (see comment below)	\$330	\$330	\$330	Cost Per ft2 (see comment below)	\$250	\$330
Total cost for Structure	\$14,275,800	\$8,464,500	\$6,814,005	Total cost for Structure	\$2,257,500	\$8,339,760
Total cost for Structure	ψ14,273,000	ψ0,τ0τ,500	ψ0,014,003	Total cost for Butchile	Ψ2,231,300	Ψ0,337,700
	(4)	(5)	(6)			
Duides Name	Warren EB on-	0.1-11	0.4-11	Daidas Nama		
Bridge Name	ramp	Odell	Odell	Bridge Name		
Structure Type	CIP/PS	CIP/PS	CIP/PS	Structure Type		
Width (out to out) - (ft)	41.00 329.00	60.00 185.00	63.00 185.00	Width (out to out) - (ft)		
Span (out to out) - (ft)		11,100.00		Span (out to out) - (ft)		
Total Area (ft2)	13,489.00		11,655.00	Total Area (ft2)		
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	Footing Type (Pile/Spread)		
Structure Category	B	B	B	Structure Category		
Cost Per ft2 (see comment below) Total cost for Structure	\$330 \$4,451,370	\$330 \$3,663,000	\$330 \$3,846,150	Cost Per ft2 (see comment below) Total cost for Structure		
Total cost for Structure	\$4,431,370	\$3,003,000	\$3,040,130	Total cost for Structure		
	_					
	(7)	(8)	(9)			
Bridge Name	Cawston	Cawston	SB-WB			
Structure Type	CIP/PS	CIP/PS	CIP/PS			
Width (out to out) - (ft)	96.00	78.00	43.00			
Span (out to out) - (ft)	187.30	187.30	2,485.00			
Total Area (ft2)	17,980.80	14,609.40	106,855.00			
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH			
Structure Category	В	В	C			
Cost Per ft2 (see comment below)	\$330	\$330	\$250			
Total cost for Structure	\$5,933,664	\$4,821,102	\$26,713,750			
	(10)	(11)	(12)			
Bridge Name	NB-WB	EB-NB/EB-SB	EB-NB			
Structure Type	CIP/PS	CIP/PS	CIP/PS			
Width (out to out) - (ft)	48.00	88.50	48.00			
Span (out to out) - (ft)	3,070.00	226.50	2,345.00			
Total Area (ft2)	147,360.00	20,045.25	112,560.00			
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH			
Structure Category	С	С	С			
Cost Per ft2 (see comment below)	\$250	\$250	\$250			
TER . 1	0.000	Ø5 011 010	<b>630 140 000</b>			

TOTAL STRUCTURES ITEMS \$159,571,914
(Sum of Total Cost for Structures)

COMMENTS: Cost include 10% mobilization and 25% contingency

Total cost for Structure

STRUCTURE CATEGORY: A=Mainline (Viaduct, bridge over stream/channel), B=Service I/C (OC, UC, local St., ramp), C=System I/C (Connector, separation), D=Land crossing, E=Widening

\$28,140,000

\$5,011,313

\$36,840,000

Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure	(1) SR79 over SJ River CIP/PS 175.00 1,250.00 218,750.00 CIDH A \$350 \$76,562,500		Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure
Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure			Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure
Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure			
Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2)		·	

TOTAL STRUCTURES ITEMS	\$76,562,500
(Sum of Total Cost for Structures)	

COMMENTS: Cost include 10% mobilization and 25% contingency

Footing Type (Pile/Spread) Structure Category

Total cost for Structure

Cost Per ft2 (see comment below)

TOTAL RIGHT OF WAY IT (Escalated V	_	\$171,702,5
Anticipated Date of Right of Way Certific (Date to which Values are Escal	_	2013
Brief Description of Work:		
Right of Way Branch Cost Estimate for Work *  * This dollar amount is to be included in the Roadway and/or Structures Items of Work, as appropriate. Do not include in Right of Way Items.	\$ <u>n</u>	/a

COMMENTS:

1. See Right of Way Data Sheet for more details regarding Right of Way items. Data sheets are being submitted for review.

Estimate Prepared By L. Overcamp (Print Name) Phone# 310-626-4840

Date Jan 2012

# **Draft Project Report Cost Estimate**

District-County-Ro	oute 08-	Riv- Mid County Parkway	
KP(I	PM) 28.0	0/34.3 PM	
	EA 08-	804-0F3200	
Program C	ode HE	-14	
PROJECT DESCRIPTION:	1.41		
Limits Between I-15 and SR-79 in the vicinity of Placentia Avenue a	na tne I	Ramona Expressway	
Proposed Improvement (Scope): Construction of new 16 mile	six-lar	ne	_
freeway.			
Alternate: 9 Modified DV			
SUMMARY OF PROJECT	COST	ESTIMATE	
TOTAL ROADWAY ITEMS	\$	771,357,852	
TOTAL STRUCTURE ITEMS	\$	611,111,641	
SUBTOTAL CONSTRUCTION COSTS	\$	1,382,469,493	
TOTAL RIGHT OF WAY ITEMS	\$	150,485,574	
TOTAL PROJECT CAPITAL OUTLAY COSTS	\$	1,532,955,067	
Reviewed by District Program Manager (Signature)		Date	
		Date	
Approved by Project Manager (Signature)		<u> </u>	
Phone No.			

# I. ROADWAY ITEMS

Section 1 Earthwork	Quantity	<u>Unit</u>		Unit Price		Item Cost	<u> </u>	Section Cost
Roadway Excavation	8,592,615	yd3	\$	9	\$	77,333,535		
Imported Borrow	3,738,441	yd3	\$	20	\$	74,768,820		
Disposal Offsite	0	yd3	\$	8	\$	0		
Mass Haul	43,018,394	mi-yd3	\$	1	\$	43,018,394		
Clearing & Grubbing	1	ls	\$	15,745,800	\$	15,745,800		
Develop Water Supply	1	ls	\$	3,866,677	\$	3,866,677		
			_		Sub	total Earthwork	\$	214,733,226
Section 2 Pavement Structural Section								
	Quantity	<u>Unit</u>		<u>Unit Price</u>		Item Cost		
Jointed Plain Concrete Pavement	136,679	yd3	\$	130	\$	17,768,323		
HMA (Type A) and HMA BB	516,823	ton	\$	80	\$	41,345,866		
Rubberized HMA Gap Graded	159,729	ton	\$	90	\$	14,375,621		
Lean Concrete Base	61,141	yd3	\$	80	\$	4,891,297		
Class 2 - Aggregate Base	790,992	yd3	\$	32	\$	25,311,750		
Class 2 - Aggregate Subbase	66,035	yd3	\$	25	\$	1,650,869		
Edge Drains	29,000	lf	\$	11	\$	319,000		
			Sτ	btotal Paveme	ent Str	uctural Section	\$	105,662,726
Section 3 Drainage	Quantity	<u>Unit</u>		Unit Price	It	em Cost		
Large Drainage Facilities	0	ea	\$	0	\$	0		
Storm Drains	1	ls	\$	17,385,110	\$	17,385,110		
Concrete Open Lined Channel	0	1f	\$	800	\$	0		
Pumping Plants	1	1s	-	55,000	· · —	55,000		
Permanent BMP	1	ls	\$	21,863,330	\$	21,863,330		
			-		Su	btotal Drainage	\$	39,303,440

### COMMENTS:

Project drainage includes X-Drains, overside, etc.

COST ESTIMATE
ALTERNATIVE 9 MODIFIED SJN-DV

Section 4 Specialty Items	Quantity	<u>Unit</u>		Unit Price		Item Cost	Section Cost
Resident Engineer Office Space	1	ls	\$_	384,000	\$	384,000	
Retaining Walls	415,417	ft2	\$	90	\$	37,387,530	
Retaining Walls (MSE)	0	ft2	\$	100	\$	0	
Noise Barriers	180,546	ft2	\$	60	\$	10,832,760	
Barriers and Guardrails	97,772	lf	\$	35	\$	3,422,020	
Highway Planting	405	ac	\$	49,120	\$	19,893,600	
Revegetation	0	ac	\$	10,000	\$	0	
Erosion Control	237	ac	\$	35,000	\$	8,295,000	
Water Pollution Control	1	ls	\$	6,819,145	\$	6,819,145	
Hazardous Waste Mitigation	2,888,393	yd3	\$	13	\$	37,549,109	
Environmental Mitigation	1	1s	\$_	6,445,075	\$_	6,445,075	
Tieback Walls	1	ls	\$_	1,204,000	\$_	1,204,000	
				Su	btota	al Specialty Items	\$ \$132,232,239
Section 5 Traffic Items	<b>Quantity</b>	<u>Unit</u>		<b>Unit Price</b>		Item Cost	Section Cost
Lighting	201	ea	\$_	6,500	\$	1,306,500	
Traffic Delineation Items	238	ln-mi	\$_	10,200	\$	2,427,600	
Traffic Signals	27	ea	\$	200,000	\$	5,400,000	
Overhead Sign Structures	56	ea	\$	250,000	\$	14,000,000	
Roadside Signs	520	ea	\$_	500	\$	260,000	
Traffic Control Systems	1	ls	\$	1,378,000	\$	1,378,000	
Transportation Management Plan	1	ls	\$	13,547,040	\$	13,547,040	
Ramp Metering	35	ea	\$	60,000	_	2,100,000	
ITS Elements	1	ls	\$	20,000,000	_	20,000,000	
			_	-	Subto	otal Traffic Items	\$ \$60,419,140
				TOTAL	SE	CTIONS 1 thru 5	\$ \$552,350,772

Section 6 Minor Items	Item Cost	Section Cost
	x (5%) = \$ 27,617,539 TOTAL MINOR ITEMS	\$ 27,617,539
	x (10%) \$ 57,996,831 TOTAL ROADWAY MOBILIZATION	\$57,996,831
Section 8 Roadway Additions  Supplemental Work	x (3%) = \$ 17,399,049	
(Subtotal Sections 1 thru 6) Contingencies	x (20%) \$ 115,993,662	
(Subtotal Sections 1 thru 6)	TOTAL ROADWAY ADDITIONS	\$ 133,392,711
	TOTAL ROADWAY ITEMS (Subtotal Sections 1 thru 8)	\$ 771,357,852
Estimate Prepared By (Print Name)	Phone# Da	ite
Estimate Checked By (Print Name)	Phone# Da	nte

COST ESTIMATE ALTERNATIVE 9 MODIFIED SJN-DV H-42

Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure	(1) Cajalco OH at Railroad CIP/PS 46.70 143.15 6,729.37 CIDH E \$450 \$3,028,214	(2) Placentia Ave OH at RR CIP/PS 2525 125.00 3,156.25 CIDH E \$450 \$1,420,313	(3) Placentia Ave OC at I-215 CIP/PS 23.25 217.00 5,045.25 CIDH E \$450 \$2,270,363	Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure	
Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure	(4)  SB-EB Connector  CIP/PS  42.00  3,271.00  138,118.16  CIDH  C  \$250  \$34,529,540	(5) WB-SB Connector CIP/PS 50.63 3,141.96 147,180.95 CIDH C \$250 \$36,795,238	(6) WB-NB Connector CIP/PS 42.03 1,806.11 75,360.78 CIDH C \$250 \$18,840,196	Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure	
Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure	(7) WB-NB Connector Sepration CIP/PS 42.00 246.33 10,345.86 CIDH C \$250 \$2,586,465				
Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2)					

TOTAL STRUCTURES ITEMS	\$99,470,328
(Sum of Total Cost for Structures)	

COMMENTS: Cost include 10% mobilization and 25% contingency

Total Area (ft2)

Footing Type (Pile/Spread) Cost Per ft2 (see comment below)

Total cost for Structure

	(1)	(2)	(3) Redlands Ave
Bridge Name	Perris Blvd OC	Placentia Ave OC	OC
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	129.00	82.00	103.00
Span (out to out) - (ft)	248.42	538.25	269.94
* ' ' ' '			
Total Area (ft2)	32,046.18 CIDH	44,136.50 CIDH	27,803.81 CIDH
Footing Type (Pile/Spread)			
Structure Category	B	B	B
Cost Per ft2 (see comment below)	\$330	\$330	\$330
Total cost for Structure	\$10,575,239	\$14,565,045	\$9,175,258
	(4)	(5)	(6)
	Perris Drain WB	Perris Drain EB	Evans Road WB
Bridge Name	Bridge	Bridge	UC
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	74.84	74.84	58.84
Span (out to out) - (ft)	800.00	800.00	200.00
		60,815.70	
Total Area (ft2)	58,855.45	CIDH	11,768.00 CIDH
Footing Type (Pile/Spread)	CIDH		
Structure Category Cost Per ft2 (see comment below)	A \$350	A \$350	B \$330
Total cost for Structure			
Total cost for Structure	\$20,599,408	\$21,285,495	\$3,883,440
	(7)	(8)	(9)
	Evans Road EB	Evans Road WB	Evans Road EB
Bridge Name	UC		
	CIP/PS	Loop CIP/PS	Loop CIP/PS
Structure Type		40.48	38.99
Width (out to out) - (ft)	58.84		
Span (out to out) - (ft)	200.00	200.00	199.81
Total Area (ft2)	11,768.00	7,703.89	8,034.48
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH
Structure Category	B	B	B
Cost Per ft2 (see comment below)	\$330	\$330	\$330
Total cost for Structure	\$3,883,440	\$2,542,284	\$2,651,378
Bridge Name			
Structure Type			
Width (out to out) - (ft)			
Span (out to out) - (ft)			
Total Area (ft2)			
Footing Type (Pile/Spread)			
Structure Category			
Cost Per ft2 (see comment below)			
Total cost for Structure			

Bridge Name		
Structure Type	 	
Width (out to out) - (ft)		
Span (out to out) - (ft)		
Total Area (ft2)		
Footing Type (Pile/Spread)		
Structure Category		
Cost Per ft2 (see comment below)		
Total cost for Structure		
		-
Duidae Neme		
Bridge Name		
Structure Type	 	
Width (out to out) - (ft)	 	
Span (out to out) - (ft)	 	
Total Area (ft2)	 ·	
Footing Type (Pile/Spread)	 	
Structure Category		
Cost Per ft2 (see comment below)	 	
Total cost for Structure	 	

TOTAL STRUCTURES ITEMS \$89,160,988 (Sum of Total Cost for Structures)

COMMENTS: Cost include 10% mobilization and 25% contingency

	(1)	(2)	(3) Ramona Exp WB	
Bridge Name	Ramona Exp UC	Ramona Exp UC	on-ramp UC	Bridge
Structure Type	CIP/PS	CIP/PS	CIP/PS	Structu
Width (out to out) - (ft)	61.80	61.80	40.20	Width
Span (out to out) - (ft)	253.80	253.80	250.80	Span (d
Total Area (ft2)	15,684.84	15,684.84	10,082.16	Total A
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	Footing
Structure Category	В	В	B	Structu
Cost Per ft2 (see comment below)	\$330	\$330	\$330	Cost Po
Total cost for Structure	\$5,175,997	\$5,175,997	\$3,327,113	Total c
	(4)	(5)	(6)	
Bridge Name	Bernasconi	San Jacinto River	San Jacinto River	Bridge
Structure Type	CIP/PS	CIP/PS	CIP/PS	Structu
Width (out to out) - (ft)	54.80	62.00	62.00	Width
Span (out to out) - (ft)	419.50	2,985.40	2,985.40	Span (c
Total Area (ft2)	22,988.60	185,094.64	185,094.64	Total A
Footing Type (Pile/Spread) Structure Category	CIDH B	CIDH A	CIDH A	Footing Structu
Cost Per ft2 (see comment below)	\$330	\$350	\$350	Cost Po
Total cost for Structure	\$7,586,238	\$64,783,125	\$64,783,125	Total c
	(7)	(8)	(9)	
Bridge Name	Reservoir	Town Center	Park Center	
Structure Type	CIP/PS	CIP/PS	CIP/PS	
Width (out to out) - (ft)	118.30	108.80 309.00	124.80 295.00	
Span (out to out) - (ft) Total Area (ft2)	300.00 35,490.00	33,619.20	36,816.00	
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	
Structure Category	В	В	В	
Cost Per ft2 (see comment below)	\$330	\$330	\$330	
Total cost for Structure	\$11,711,700	\$11,094,336	\$12,149,280	
	(10)			
Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Cost Per ft2 (see comment below)	Wildlife Crossing Galv steel			
Total cost for Structure	\$559,000			

Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft)		
Total Area (ft2)	 	
Footing Type (Pile/Spread)	 	
Structure Category Cost Per ft2 (see comment below)	 	
Total cost for Structure	 	
Total cost for Structure	 	
Bridge Name	 	
Structure Type	 	
Width (out to out) - (ft)	 	
Span (out to out) - (ft)		
Total Area (ft2)		
Footing Type (Pile/Spread)		
Structure Category	 	
Cost Per ft2 (see comment below)		
Total cost for Structure	 	

TOTAL STRUCTURES ITEMS \$186,345,911
(Sum of Total Cost for Structures)

COMMENTS: Cost include 10% mobilization and 25% contingency

	(1)	(2)	(3)		(13)	(14) MCP over
Bridge Name	Warren OC	MCP Bridge	MCP Bridge	Bridge Name	EB-SB	SR 79
Structure Type	CIP/PS	CIP/PS	CIP/PS	Structure Type	CIP/PS	CIP/PS
Width (out to out) - (ft)	105.00	75.00	61.00	Width (out to out) - (ft)	43.00	108.00
Span (out to out) - (ft)	412.00	342.00	338.50	Span (out to out) - (ft)	210.00	234.00
Total Area (ft2)	43,260.00	25,650.00	20,648.50	Total Area (ft2)	9,030.00	25,272.00
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	Footing Type (Pile/Spread)	CIDH	CIDH
Structure Category	В	В	В	Structure Category	C	В
Cost Per ft2 (see comment below)	\$330	\$330	\$330	Cost Per ft2 (see comment below)	\$250	\$330
Total cost for Structure	\$14,275,800	\$8,464,500	\$6,814,005	Total cost for Structure	\$2,257,500	\$8,339,760
	(4)	(5)	(6)			
	Warren EB on-	(3)	(0)			
Bridge Name	ramp	Odell	Odell	Bridge Name		
Structure Type	CIP/PS	CIP/PS	CIP/PS	Structure Type		
Width (out to out) - (ft)	41.00	60.00	63.00	Width (out to out) - (ft)		
Span (out to out) - (ft)	329.00	185.00	185.00	Span (out to out) - (ft)		
Total Area (ft2)	13,489.00	11,100.00	11,655.00	Total Area (ft2)		
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	Footing Type (Pile/Spread)		
Structure Category	В	В	В	Structure Category		
Cost Per ft2 (see comment below)	\$330	\$330	\$330	Cost Per ft2 (see comment below)		
Total cost for Structure	\$4,451,370	\$3,663,000	\$3,846,150	Total cost for Structure		
Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure	Cawston CIP/PS 96.00 187.30 17,980.80 CIDH B \$330 \$5,933,664	(8)  Cawston CIP/PS 78.00 187.30 14,609.40 CIDH B \$330 \$4,821,102	(9)  SB-WB CIP/PS 43.00 2,485.00 106,855.00 CIDH C \$250 \$26,713,750			
Bridge Name	NB-WB	EB-NB/EB-SB	EB-NB			
Structure Type	CIP/PS	CIP/PS	CIP/PS			
Width (out to out) - (ft)	48.00	88.50	48.00			
Span (out to out) - (ft)	3,070.00	226.50	2,345.00			
Total Area (ft2)	147,360.00	20,045.25	112,560.00			
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH			
Structure Category	<u>C</u>	<u>C</u>	<u>C</u>			
Cost Per ft2 (see comment below)	\$250	\$250	\$250			

TOTAL STRUCTURES ITEMS \$159,571,914
(Sum of Total Cost for Structures)

COMMENTS: Cost include 10% mobilization and 25% contingency

Total cost for Structure

STRUCTURE CATEGORY: A=Mainline (Viaduct, bridge over stream/channel), B=Service I/C (OC, UC, local St., ramp), C=System I/C (Connector, separation), D=Land crossing, E=Widening

\$28,140,000

\$5,011,313

\$36,840,000

Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure	(1) SR79 over SJ River CIP/PS 175.00 1,250.00 218,750.00 CIDH A \$350 \$76,562,500		]	Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure	
Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure			; ; ;	Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure	
Bridge Name Structure Type Width (out to out) - (ft) Span (out to out) - (ft) Total Area (ft2) Footing Type (Pile/Spread) Structure Category Cost Per ft2 (see comment below) Total cost for Structure					
Bridge Name Structure Type Width (out to out) - (ft)					

TOTAL STRUCTURES ITEMS \$76,562,500
(Sum of Total Cost for Structures)

COMMENTS: Cost include 10% mobilization and 25% contingency

Span (out to out) - (ft) Total Area (ft2)

Total cost for Structure

Footing Type (Pile/Spread) Structure Category

Cost Per ft2 (see comment below)

# III. RIGHT OF WAY ITEMS ESCALATED VALUE

Estimate Prepared By L. Overcamp

(Print Name)

TOTAL RIGHT OF WAY ITEMS (Escalated Value)	
Anticipated Date of Right of Way Certification (Date to which Values are Escalated)	
F. Construction Contract Work  Brief Description of Work:	- -
Right of Way Branch Cost Estimate for Work *  * This dollar amount is to be included in the Roadway and/or Structures Items of Work, as appropriate. Do not include in Right of Way Items.	\$ <u>n/a</u>
COMMENTS:	
1. See Right of Way Data Sheet for more details regarding Right of Way items. Data sheets are being submitted	for review.

Phone# 310-626-4840

Date Jan 2012

COST ESTIMATE ALTERNATIVE 9 MODIFIED SJN-DV H-48 Cost Difference of Implementing the San Jacinto River Bridge Design Variation in Place of Base Case

ALTERNATIVE 4 MODIFIED ALTERNATIVE 5 MODIFIED ALTERNATIVE 9 MODIFIED	
	Cost Difference
Section 1 Earthwork	\$1,033,270
Section 2 Pavement Structural Section	\$1,868,156
Section 3 Drainage	N/A
Section 4 Specialty Items	\$4,659,480
Section 5 Traffic Items	\$0
Subtotal Roadway Items	\$7,560,906
Roadway Contingencies	\$2,997,899
Total Roadway Items	\$10,558,805
Total Structures	-\$44,310,131
Total Right of Way	-\$1,400
Total Cost	-\$33.752.726