

ATTACHMENT H
COST ESTIMATES

COST ESTIMATES
ATTACHMENT H

Draft Project Report Cost Estimate

District-County-Route 08-Riv- Mid County Parkway
 KP(PM) 28.0/34.3 PM
 EA 08-804-0F3200
 Program Code HE-14

PROJECT DESCRIPTION:

Limits Between I-215 and SR-79 in the vicinity of Ramona Expressway

Proposed Improvement (Scope): Construction of new 16 mile six-lane freeway.

Alternate: 4 Modified

SUMMARY OF PROJECT COST ESTIMATE

TOTAL ROADWAY ITEMS	\$ <u>861,314,967</u>
TOTAL STRUCTURE ITEMS	\$ <u>1,040,705,164</u>
SUBTOTAL CONSTRUCTION COSTS	\$ <u>1,902,020,131</u>
TOTAL RIGHT OF WAY ITEMS	\$ <u>197,279,744</u>
TOTAL PROJECT CAPITAL OUTLAY COSTS	\$ <u>2,099,299,875</u>

I. ROADWAY ITEMS

<u>Section 1 Earthwork</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Roadway Excavation	<u>6,585,986</u>	<u>yd3</u>	\$ <u>9</u>	\$ <u>59,273,874</u>	
Imported Borrow	<u>7,777,686</u>	<u>yd3</u>	\$ <u>20</u>	\$ <u>155,553,720</u>	
Disposal Offsite	<u>0</u>	<u>yd3</u>	\$ <u>8</u>	\$ <u>0</u>	
Mass Haul	<u>56,811,494</u>	<u>mi-yd3</u>	\$ <u>1</u>	\$ <u>56,811,494</u>	
Clearing & Grubbing	<u>1</u>	<u>ls</u>	\$ <u>16,479,300</u>	\$ <u>16,479,300</u>	
Develop Water Supply	<u>1</u>	<u>ls</u>	\$ <u>2,963,694</u>	\$ <u>2,963,694</u>	
				Subtotal Earthwork	\$ <u>291,082,081</u>

Section 2 Pavement Structural Section

	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	
Jointed Plain Concrete Pavement	<u>150,560</u>	<u>yd3</u>	\$ <u>130</u>	\$ <u>19,572,853</u>	
HMA (Type A) and HMA BB	<u>528,223</u>	<u>ton</u>	\$ <u>80</u>	\$ <u>42,257,845</u>	
Rubberized HMA Gap Graded	<u>164,026</u>	<u>ton</u>	\$ <u>90</u>	\$ <u>14,762,352</u>	
Lean Concrete Base	<u>68,828</u>	<u>yd3</u>	\$ <u>80</u>	\$ <u>5,506,237</u>	
Class 2 - Aggregate Base	<u>796,444</u>	<u>yd3</u>	\$ <u>32</u>	\$ <u>25,486,210</u>	
Class 2 - Aggregate Subbase	<u>78,824</u>	<u>yd3</u>	\$ <u>25</u>	\$ <u>1,970,606</u>	
Edge Drains	<u>30,846</u>	<u>lf</u>	\$ <u>11</u>	\$ <u>339,306</u>	
				Subtotal Pavement Structural Section	\$ <u>109,895,409</u>

Section 3 Drainage

	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	
Large Drainage Facilities	<u>0</u>	<u>ea</u>	\$ <u>0</u>	\$ <u>0</u>	
Storm Drains	<u>1</u>	<u>ls</u>	\$ <u>11,153,480</u>	\$ <u>11,153,480</u>	
Concrete Open Lined Channel	<u>0</u>	<u>lf</u>	\$ <u>800</u>	\$ <u>0</u>	
Pumping Plants	<u>0</u>	<u>ls</u>	\$ <u>0</u>	\$ <u>0</u>	
Permanent BMP	<u>1</u>	<u>ls</u>	\$ <u>22,363,640</u>	\$ <u>22,363,640</u>	
				Subtotal Drainage	\$ <u>33,517,120</u>

Reviewed by District Program Manager _____ Date _____
 (Signature)

Approved by Project Manager _____ Date _____
 (Signature)

Phone No. _____

COMMENTS:

Project drainage includes X-Drains, overside, etc.

<u>Section 4 Specialty Items</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
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	lf	\$ 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	
Subtotal Specialty Items					\$ 121,256,343

<u>Section 5 Traffic Items</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Lighting	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	
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	
Subtotal Traffic Items					\$ 61,015,940
TOTAL SECTIONS 1 thru 5					\$ 616,766,893

<u>Section 6 Minor Items</u>	<u>Item Cost</u>	<u>Section Cost</u>
	616,766,893	x (5%) = \$ 30,838,345
(Subtotal Sections 1 thru 5)		
TOTAL MINOR ITEMS		\$ 30,838,345

<u>Section 7 Roadway Mobilization</u>	<u>Item Cost</u>	<u>Section Cost</u>
	647,605,238	x (10%) \$ 64,760,524
(Subtotal Sections 1 thru 6)		
TOTAL ROADWAY MOBILIZATION		\$ 64,760,524

<u>Section 8 Roadway Additions</u>	<u>Item Cost</u>	<u>Section Cost</u>
Supplemental Work	647,605,238	x (3%) = \$ 19,428,157
(Subtotal Sections 1 thru 6)		
Contingencies	647,605,238	x (20%) \$ 129,521,048
(Subtotal Sections 1 thru 6)		
TOTAL ROADWAY ADDITIONS		\$ 148,949,205

TOTAL ROADWAY ITEMS \$ 861,314,967
(Subtotal Sections 1 thru 8)

Estimate Prepared By _____ Phone# _____ Date _____
(Print Name)

II. STRUCTURE ITEMS

	(1) Placentia Ave	(2) Placentia Ave	(3) WN Connector
Bridge Name	OH at RR	OC at I-215	WN Connector
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	25.63	34.16	41.65
Span (out to out) - (ft)	125.29	216.16	1,364.23
Total Area (ft2)	3,211.34	7,384.00	56,791.24
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH
Structure Category	E	E	C
Cost Per ft2 (see comment below)	\$450	\$450	\$250
Total cost for Structure	\$1,445,103	\$3,322,800	\$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	_____	_____	_____

	(4) WN Connector at	(5) WS Connector	(6) WS Connector at
Bridge Name	Webster UC	WS Connector	Webster UC
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	43.15	46.65	57.42
Span (out to out) - (ft)	221.08	2,272.85	238.27
Total Area (ft2)	9,514.68	106,669.34	13,436.27
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH
Structure Category	B	C	B
Cost Per ft2 (see comment below)	\$330	\$250	\$330
Total cost for Structure	\$3,139,844	\$26,667,335	\$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	_____	_____	_____

	(7) SE Connector	(8) SE Connector at Webster UC	(9) Webster UC
Bridge Name	SE Connector	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	C	B	B
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	_____	_____
Structure Category	E	_____	_____
Cost Per ft2 (see comment below)	\$450	_____	_____
Total cost for Structure	\$3,028,214	_____	_____

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

COMMENTS: Cost include 10% mobilization and 25% contingency

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

Estimate Prepared by David Garcia Phone # 951-248-1863 Date January 2012

COST ESTIMATE
ALTERNATIVE 4 MODIFIED (1A)
H-3

II. STRUCTURE ITEMS

	(1) Ramona Expwy UC EB	(2) Ramona Expwy UC WB	(3) Indian Ave UC EB
Bridge Name	Expwy UC EB	Expwy UC WB	UC EB
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	82.65	70.65	96.44
Span (out to out) - (ft)	585.00	585.00	291.39
Total Area (ft2)	48,352.60	42,627.72	27,658.10
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	\$15,956,358	\$14,067,146	\$9,127,174

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) Indian Ave UC WB	(5) Perris Blvd UC EB	(6) Perris Blvd UC WB
Bridge Name	UC WB	UC EB	UC WB
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	71.00	101.55	59.00
Span (out to out) - (ft)	298.77	310.00	310.00
Total Area (ft2)	22,118.97	26,912.08	18,290.00
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	\$7,299,262	\$8,880,987	\$6,035,700

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) MCP WB Viaduct	(8) MCP EB Viaduct	(9) Evans Rd WB CIP/PS
Bridge Name	Viaduct	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)	9,700.00	9,700.00	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	B
Cost Per ft2 (see comment below)	\$350	\$350	\$330
Total cost for Structure	\$205,205,685	\$201,640,092	\$8,517,537

	(10) Evans Rd EB CIP/PS		
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	_____	_____
Cost Per ft2 (see comment below)	\$330	_____	_____
Total cost for Structure	\$8,660,118	_____	_____

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

COMMENTS: Cost include 10% mobilization and 25% contingency

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

Estimate Prepared by David Garcia Phone # 951-248-1863 Date January 2012

COST ESTIMATE
ALTERNATIVE 4 MODIFIED (1B)
H-4

II. STRUCTURE ITEMS

	(1)	(2)	(3)
Bridge Name	Ramona Exp UC	Ramona Exp UC	Ramona Exp WB
Structure Type	CIP/PS	CIP/PS	on-ramp UC
Width (out to out) - (ft)	61.80	61.80	40.20
Span (out to out) - (ft)	253.80	253.80	250.80
Total Area (ft2)	15,684.84	15,684.84	10,082.16
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	\$5,175,997	\$5,175,997	\$3,327,113

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	Bernasconi	San Jacinto River	San Jacinto River
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	54.80	62.00	62.00
Span (out to out) - (ft)	419.50	2,985.40	2,985.40
Total Area (ft2)	22,988.60	185,094.64	185,094.64
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH
Structure Category	B	A	A
Cost Per ft2 (see comment below)	\$330	\$350	\$350
Total cost for Structure	\$7,586,238	\$64,783,125	\$64,783,125

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	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	B	B	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	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)	_____	_____	_____
Total cost for Structure	\$559,000	_____	_____

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

COMMENTS: Cost include 10% mobilization and 25% contingency
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

Estimate Prepared by David Garcia Phone # 951-248-1863 Date January 2012

COST ESTIMATE
Segment 2 (ALTS: 4 MOD, 5 MOD, & 9 MOD)
H-5

II. STRUCTURE ITEMS

	(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/Spread)			
Structure Category	B	B	B	Structure Category			
Cost Per ft2 (see comment below)	\$330	\$330	\$330	Cost Per ft2 (see comment below)			
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	B	B	C	Structure Category			
Cost Per ft2 (see comment below)	\$330	\$330	\$250	Cost Per ft2 (see comment below)			
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	Bridge Name			
Structure Type	CIP/PS	CIP/PS	CIP/PS	Structure Type			
Width (out to out) - (ft)	41.80	46.80	46.50	Width (out to out) - (ft)			
Span (out to out) - (ft)	2,538.50	2,374.80	3,483.00	Span (out to out) - (ft)			
Total Area (ft2)	106,109.30	111,140.64	161,959.50	Total Area (ft2)			
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH	Footing Type (Pile/Spread)			
Structure Category	C	C	C	Structure Category			
Cost Per ft2 (see comment below)	\$250	\$250	\$250	Cost Per ft2 (see comment below)			
Total cost for Structure	\$26,527,325	\$27,785,160	\$40,489,875	Total cost for Structure			
	(10)						
Bridge Name	EB-SB			Bridge Name			
Structure Type	CIP/PS			Structure Type			
Width (out to out) - (ft)	41.80			Width (out to out) - (ft)			
Span (out to out) - (ft)	2,260.00			Span (out to out) - (ft)			
Total Area (ft2)	94,468.00			Total Area (ft2)			
Footing Type (Pile/Spread)	CIDH			Footing Type (Pile/Spread)			
Structure Category	C			Structure Category			
Cost Per ft2 (see comment below)	\$250			Cost Per ft2 (see comment below)			
Total cost for Structure	\$23,617,000			Total cost for Structure			

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

COMMENTS: Cost include 10% mobilization and 25% contingency
 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

Estimate Prepared by David Garcia Phone # 951-248-1863 Date January 2012

II. STRUCTURE ITEMS

	(1)	(2)	(3)
Bridge Name	SR 79 UC	SR 79 UC	SR79 SB on-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	B	B	B
Cost Per ft2 (see comment below)	\$330	\$330	\$330
Total cost for Structure	\$2,524,302	\$2,524,302	\$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)	(5)	(6)
Bridge Name	SR79 NB off-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	B	B	B
Cost Per ft2 (see comment below)	\$330	\$330	\$330
Total cost for Structure	\$2,345,693	\$12,000,780	\$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)	(8)	(9)
Bridge Name	SR79 over Ramona	SR79 SB off-ramp	SR79 NB on-ramp
Structure Type	CIP/PS	CIP/PS	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	B	B	B
Cost Per ft2 (see comment below)	\$330	\$330	\$330
Total cost for Structure	\$9,666,261	\$2,211,000	\$3,399,660

	(10)		
Bridge Name	SR79 over SJ 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)	CIDH		
Structure Category	A		
Cost Per ft2 (see comment below)	\$350		
Total cost for Structure	\$21,145,950		

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

COMMENTS: Cost include 10% mobilization and 25% contingency

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

Estimate Prepared by David Garcia Phone # 951-248-1863 Date January 2012

COST ESTIMATE
SJS (ALTS: 4 MOD, 5 MOD, & 9 MOD) SR-79
H-7

III. RIGHT OF WAY ITEMS ESCALATED VALUE

TOTAL RIGHT OF WAY ITEMS \$ \$197,279,744
(Escalated Value)

Anticipated Date of Right of Way Certification 2013
(Date to which Values are Escalated)

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 for review.

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

Draft Project Report Cost Estimate

District-County-Route 08-Riv- Mid County Parkway
 KP(PM) 28.0/34.3 PM
 EA 08-804-0F3200
 Program Code HE-14

PROJECT DESCRIPTION:

Limits Between I-215 and SR-79 in the vicinity of Rider Street and the Ramona Expressway

Proposed Improvement (Scope): Construction of new 16 mile six-lane freeway.

Alternate: 5 Modified

SUMMARY OF PROJECT COST ESTIMATE

TOTAL ROADWAY ITEMS	\$ <u>872,038,583</u>
TOTAL STRUCTURE ITEMS	\$ <u>642,633,330</u>
SUBTOTAL CONSTRUCTION COSTS	\$ <u>1,514,671,912</u>
TOTAL RIGHT OF WAY ITEMS	\$ <u>208,835,311</u>
TOTAL PROJECT CAPITAL OUTLAY COSTS	\$ <u>1,723,507,223</u>

I. ROADWAY ITEMS

<u>Section 1 Earthwork</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Roadway Excavation	<u>6,888,583</u>	<u>yd3</u>	\$ <u>9</u>	\$ <u>61,997,247</u>	
Imported Borrow	<u>6,582,397</u>	<u>yd3</u>	\$ <u>20</u>	\$ <u>131,647,940</u>	
Disposal Offsite	<u>0</u>	<u>yd3</u>	\$ <u>8</u>	\$ <u>0</u>	
Mass Haul	<u>47,470,321</u>	<u>mi-yd3</u>	\$ <u>1</u>	\$ <u>47,470,321</u>	
Clearing & Grubbing	<u>1</u>	<u>ls</u>	\$ <u>16,854,200</u>	\$ <u>16,854,200</u>	
Develop Water Supply	<u>1</u>	<u>ls</u>	\$ <u>3,099,862</u>	\$ <u>3,099,862</u>	
				Subtotal Earthwork	\$ <u>261,069,570</u>

Section 2 Pavement Structural Section

	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	
Jointed Plain Concrete Pavement	<u>166,144</u>	<u>yd3</u>	\$ <u>130</u>	\$ <u>21,598,783</u>	
HMA (Type A) and HMA BB	<u>568,826</u>	<u>ton</u>	\$ <u>80</u>	\$ <u>45,506,070</u>	
Rubberized HMA Gap Graded	<u>171,279</u>	<u>ton</u>	\$ <u>90</u>	\$ <u>15,415,089</u>	
Lean Concrete Base	<u>76,620</u>	<u>yd3</u>	\$ <u>80</u>	\$ <u>6,129,600</u>	
Class 2 - Aggregate Base	<u>864,054</u>	<u>yd3</u>	\$ <u>32</u>	\$ <u>27,649,739</u>	
Class 2 - Aggregate Subbase	<u>89,733</u>	<u>yd3</u>	\$ <u>25</u>	\$ <u>2,243,328</u>	
Edge Drains	<u>23,279</u>	<u>lf</u>	\$ <u>11</u>	\$ <u>256,069</u>	
				Subtotal Pavement Structural Section	\$ <u>118,798,678</u>

Section 3 Drainage

	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	
Large Drainage Facilities	<u>0</u>	<u>ea</u>	\$ <u>0</u>	\$ <u>0</u>	
Storm Drains	<u>1</u>	<u>ls</u>	\$ <u>11,783,410</u>	\$ <u>11,783,410</u>	
Concrete Open Lined Channel	<u>0</u>	<u>lf</u>	\$ <u>800</u>	\$ <u>0</u>	
Pumping Plants	<u>0</u>	<u>ls</u>	\$ <u>0</u>	\$ <u>0</u>	
Permanent BMP	<u>1</u>	<u>ls</u>	\$ <u>22,338,485</u>	\$ <u>22,338,485</u>	
				Subtotal Drainage	\$ <u>34,121,895</u>

Reviewed by District Program Manager _____ Date _____
 (Signature)

Approved by Project Manager _____ Date _____
 (Signature)

Phone No. _____

COMMENTS:

Project drainage includes X-Drains, overside, etc.

<u>Section 4 Specialty Items</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Resident Engineer Office Space	1	ls	\$ 384,000	\$ 384,000	
Retaining Walls	649,588	ft2	\$ 90	\$ 58,462,920	
Retaining Walls (MSE)	0	ft2	\$ 100	\$ 0	
Noise Barriers	93,614	ft2	\$ 60	\$ 5,616,840	
Barriers and Guardrails	95,992	lf	\$ 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					\$ 149,196,694

<u>Section 5 Traffic Items</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Lighting	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	
Subtotal Traffic Items					\$ 61,258,980
TOTAL SECTIONS 1 thru 5					\$ 624,445,816

<u>Section 6 Minor Items</u>	<u>Item Cost</u>	<u>Section Cost</u>
	624,445,816	
(Subtotal Sections 1 thru 5)	x (5%) =	\$ 31,222,291
TOTAL MINOR ITEMS		\$ 31,222,291

<u>Section 7 Roadway Mobilization</u>	<u>Item Cost</u>	<u>Section Cost</u>
	655,668,107	
(Subtotal Sections 1 thru 6)	x (10%)	\$ 65,566,811
TOTAL ROADWAY MOBILIZATION		\$ 65,566,811

<u>Section 8 Roadway Additions</u>	<u>Item Cost</u>	<u>Section Cost</u>
Supplemental Work	655,668,107	
(Subtotal Sections 1 thru 6)	x (3%) =	\$ 19,670,043
Contingencies	655,668,107	
(Subtotal Sections 1 thru 6)	x (20%)	\$ 131,133,621
TOTAL ROADWAY ADDITIONS		\$ 150,803,665

TOTAL ROADWAY ITEMS \$ 872,038,583
(Subtotal Sections 1 thru 8)

Estimate Prepared By _____ Phone# _____ Date _____
(Print Name)

Estimate Checked By _____ Phone# _____ Date _____
(Print Name)

II. STRUCTURE ITEMS

	(1)	(2)	(3)
Bridge Name	Placentia / I-215 OC Widening	Placentia / Railroad OC Widening	NB-EB Connector / Placentia NB On Separation
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	31.16	25.63	51.92
Span (out to out) - (ft)	216.16	125.29	173.66
Total Area (ft2)	6,735.56	3,211.34	9,016.20
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH
Structure Category	E	E	C
Cost Per ft2 (see comment below)	\$450	\$450	\$250
Total cost for Structure	\$3,031,001	\$1,445,105	\$2,254,050

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	WB-SB Connector	SB-EB Connector	SB-EB Connector / Cajalco SB On Separation
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	46.00	46.00	43.00
Span (out to out) - (ft)	3,591.91	2,772.66	374.58
Total Area (ft2)	165,227.97	127,542.52	16,106.95
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH
Structure Category	C	C	C
Cost Per ft2 (see comment below)	\$250	\$250	\$250
Total cost for Structure	\$41,306,991	\$31,885,631	\$4,026,738

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	WB-NB Connector / Cajalco NB Off Separation	Cajalco / I-215 OC	Cajalco / Railroad 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	C	B	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	_____	_____	_____

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

COMMENTS: Cost include 10% mobilization and 25% contingency

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

Estimate Prepared by David Garcia Phone # 951-248-1863 Date January 2012

COST ESTIMATE
ALTERNATIVE 5 MODIFIED (1A)
H-11

II. STRUCTURE ITEMS

	(1)	(2)	(3)
Bridge Name	Indian Ave OC	Perris Blvd OC	Relands Ave UC
Structure Type	CIP/PS	CIP/PS	WB
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	B	B	B
Cost Per ft2 (see comment below)	\$330	\$330	\$330
Total cost for Structure	\$9,792,460	\$14,290,198	\$5,384,248

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	Relands Ave UC	Wilson Ave UC	Wilson Ave UC
Structure Type	EB	WB	EB
Width (out to out) - (ft)	60.00	60.00	60.00
Span (out to out) - (ft)	258.88	261.65	260.40
Total Area (ft2)	15,533.05	15,698.90	15,623.75
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	\$5,125,906	\$5,180,637	\$5,155,838

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	Perris Storm	Perris Storm	Evan Rd WB UC
Structure Type	Drain Bridge WB	Drain Bridge EB	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	A	B
Cost Per ft2 (see comment below)	\$350	\$350	\$330
Total cost for Structure	\$14,999,449	\$17,639,504	\$8,001,967

	(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)	23,280.73	_____	_____
Footing Type (Pile/Spread)	CIDH	_____	_____
Structure Category	B	_____	_____
Cost Per ft2 (see comment below)	\$330	_____	_____
Total cost for Structure	\$7,682,642	_____	_____

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

COMMENTS: Cost include 10% mobilization and 25% contingency

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

Estimate Prepared by David Garcia Phone # 951-248-1863 Date January 2012

COST ESTIMATE
ALTERNATIVE 5 MODIFIED (1B)
H-12

II. STRUCTURE ITEMS

	(1)	(2)	(3)
Bridge Name	Ramona Exp UC	Ramona Exp UC	Ramona Exp WB
Structure Type	CIP/PS	CIP/PS	on-ramp UC
Width (out to out) - (ft)	61.80	61.80	40.20
Span (out to out) - (ft)	253.80	253.80	250.80
Total Area (ft2)	15,684.84	15,684.84	10,082.16
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	\$5,175,997	\$5,175,997	\$3,327,113

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	Bernasconi	San Jacinto River	San Jacinto River
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	54.80	62.00	62.00
Span (out to out) - (ft)	419.50	2,985.40	2,985.40
Total Area (ft2)	22,988.60	185,094.64	185,094.64
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH
Structure Category	B	A	A
Cost Per ft2 (see comment below)	\$330	\$350	\$350
Total cost for Structure	\$7,586,238	\$64,783,125	\$64,783,125

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	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	B	B	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	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)	_____	_____	_____
Total cost for Structure	\$559,000	_____	_____

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

COMMENTS: Cost include 10% mobilization and 25% contingency
 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

Estimate Prepared by David Garcia Phone # 951-248-1863 Date January 2012

COST ESTIMATE
Segment 2 (ALTS: 4 MOD, 5 MOD, & 9 MOD)
H-13

II. STRUCTURE ITEMS

	(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	B	B	B
Cost Per ft2 (see comment below)	\$330	\$330	\$330
Total cost for Structure	\$13,315,170	\$7,116,120	\$16,212,240

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	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	B	B	C
Cost Per ft2 (see comment below)	\$330	\$330	\$250
Total cost for Structure	\$17,837,820	\$16,493,070	\$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	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	C	C	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	C	_____	_____
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

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

Estimate Prepared by David Garcia Phone # 951-248-1863 Date January 2012

COST ESTIMATE
SJS (ALTS: 4 MOD, 5 MOD, & 9 MOD)
H-14

II. STRUCTURE ITEMS

	(1)	(2)	(3)
Bridge Name	SR 79 UC	SR 79 UC	SR79 SB on-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	B	B	B
Cost Per ft2 (see comment below)	\$330	\$330	\$330
Total cost for Structure	\$2,524,302	\$2,524,302	\$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)	(5)	(6)
Bridge Name	SR79 NB off-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	B	B	B
Cost Per ft2 (see comment below)	\$330	\$330	\$330
Total cost for Structure	\$2,345,693	\$12,000,780	\$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)	(8)	(9)
Bridge Name	SR79 over Ramona	SR79 SB off-ramp	SR79 NB on-ramp
Structure Type	CIP/PS	CIP/PS	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	B	B	B
Cost Per ft2 (see comment below)	\$330	\$330	\$330
Total cost for Structure	\$9,666,261	\$2,211,000	\$3,399,660

	(10)		
Bridge Name	SR79 over SJ 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)	CIDH		
Structure Category	A		
Cost Per ft2 (see comment below)	\$350		
Total cost for Structure	\$21,145,950		

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

COMMENTS: Cost include 10% mobilization and 25% contingency

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

Estimate Prepared by David Garcia Phone # 951-248-1863 Date January 2012

COST ESTIMATE
SJS (ALTS: 4 MOD, 5 MOD, & 9 MOD) SR-79
H-15

III. RIGHT OF WAY ITEMS ESCALATED VALUE

TOTAL RIGHT OF WAY ITEMS \$ \$208,835,311
(Escalated Value)

Anticipated Date of Right of Way Certification 2013
(Date to which Values are Escalated)

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 for review.

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

Draft Project Report Cost Estimate

District-County-Route 08-Riv- Mid County Parkway
 KP(PM) 28.0/34.3 PM
 EA 08-804-0F3200
 Program Code HE-14

PROJECT DESCRIPTION:

Limits Between I-15 and SR-79 in the vicinity of Placentia Avenue and the Ramona Expressway

Proposed Improvement (Scope): Construction of new 16 mile six-lane freeway.

Alternate: 9 Modified

SUMMARY OF PROJECT COST ESTIMATE

TOTAL ROADWAY ITEMS	\$ <u>786,690,383</u>
TOTAL STRUCTURE ITEMS	\$ <u>638,324,611</u>
SUBTOTAL CONSTRUCTION COSTS	\$ <u>1,425,014,994</u>
TOTAL RIGHT OF WAY ITEMS	\$ <u>187,618,366</u>
TOTAL PROJECT CAPITAL OUTLAY COSTS	\$ <u>1,612,633,360</u>

Reviewed by District Program Manager _____ Date _____
 (Signature)

Approved by Project Manager _____ Date _____
 (Signature)

Phone No. _____

I. ROADWAY ITEMS

<u>Section 1 Earthwork</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Roadway Excavation	<u>7,907,827</u>	<u>yd3</u>	\$ <u>9</u>	\$ <u>71,170,443</u>	
Imported Borrow	<u>4,067,851</u>	<u>yd3</u>	\$ <u>20</u>	\$ <u>81,357,020</u>	
Disposal Offsite	<u>0</u>	<u>yd3</u>	\$ <u>8</u>	\$ <u>0</u>	
Mass Haul	<u>44,110,301</u>	<u>mi-yd3</u>	\$ <u>1</u>	\$ <u>44,110,301</u>	
Clearing & Grubbing	<u>1</u>	<u>ls</u>	\$ <u>15,599,100</u>	\$ <u>15,599,100</u>	
Develop Water Supply	<u>1</u>	<u>ls</u>	\$ <u>3,558,522</u>	\$ <u>3,558,522</u>	
				Subtotal Earthwork	\$ <u>215,795,386</u>

Section 2 Pavement Structural Section

	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	
Jointed Plain Concrete Pavement	<u>133,054</u>	<u>yd3</u>	\$ <u>130</u>	\$ <u>17,297,083</u>	
HMA (Type A) and HMA BB	<u>528,439</u>	<u>ton</u>	\$ <u>80</u>	\$ <u>42,275,156</u>	
Rubberized HMA Gap Graded	<u>161,777</u>	<u>ton</u>	\$ <u>90</u>	\$ <u>14,559,967</u>	
Lean Concrete Base	<u>60,075</u>	<u>yd3</u>	\$ <u>80</u>	\$ <u>4,806,000</u>	
Class 2 - Aggregate Base	<u>808,955</u>	<u>yd3</u>	\$ <u>32</u>	\$ <u>25,886,560</u>	
Class 2 - Aggregate Subbase	<u>66,570</u>	<u>yd3</u>	\$ <u>25</u>	\$ <u>1,664,253</u>	
Edge Drains	<u>29,000</u>	<u>lf</u>	\$ <u>11</u>	\$ <u>319,000</u>	
				Subtotal Pavement Structural Section	\$ <u>106,808,018</u>

Section 3 Drainage

	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	
Large Drainage Facilities	<u>0</u>	<u>ea</u>	\$ <u>0</u>	\$ <u>0</u>	
Storm Drains	<u>1</u>	<u>ls</u>	\$ <u>18,569,340</u>	\$ <u>18,569,340</u>	
Concrete Open Lined Channel	<u>0</u>	<u>lf</u>	\$ <u>800</u>	\$ <u>0</u>	
Pumping Plants	<u>1</u>	<u>ls</u>	\$ <u>55,000</u>	\$ <u>55,000</u>	
Permanent BMP	<u>1</u>	<u>ls</u>	\$ <u>22,572,290</u>	\$ <u>22,572,290</u>	
				Subtotal Drainage	\$ <u>41,196,630</u>

COMMENTS:

Project drainage includes X-Drains, overside, etc.

<u>Section 4 Specialty Items</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Resident Engineer Office Space	1	ls	\$ 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	lf	\$ 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	ls	\$ 6,954,692	\$ 6,954,692	
Hazardous Waste Mitigation	2,861,024	yd3	\$ 13	\$ 37,193,312	
Environmental Mitigation	1	ls	\$ 6,445,075	\$ 6,445,075	
Tieback Walls	1	ls	\$ 1,204,000	\$ 1,204,000	
Subtotal Specialty Items					\$ 138,858,054

<u>Section 5 Traffic Items</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Lighting	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	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	
Subtotal Traffic Items					\$ 60,671,940
TOTAL SECTIONS 1 thru 5					\$ 563,330,027

<u>Section 6 Minor Items</u>	<u>Item Cost</u>	<u>Section Cost</u>
	563,330,027	x (5%) = \$ 28,166,501
(Subtotal Sections 1 thru 5)		
TOTAL MINOR ITEMS		\$ 28,166,501

<u>Section 7 Roadway Mobilization</u>	<u>Item Cost</u>	<u>Section Cost</u>
	591,496,529	x (10%) = \$ 59,149,653
(Subtotal Sections 1 thru 6)		
TOTAL ROADWAY MOBILIZATION		\$ 59,149,653

<u>Section 8 Roadway Additions</u>	<u>Item Cost</u>	<u>Section Cost</u>
Supplemental Work	591,496,529	x (3%) = \$ 17,744,896
(Subtotal Sections 1 thru 6)		
Contingencies	591,496,529	x (20%) = \$ 118,299,306
(Subtotal Sections 1 thru 6)		
TOTAL ROADWAY ADDITIONS		\$ 136,044,202

TOTAL ROADWAY ITEMS \$ 786,690,383
(Subtotal Sections 1 thru 8)

Estimate Prepared By _____ Phone# _____ Date _____
(Print Name)

Estimate Checked By _____ Phone# _____ Date _____
(Print Name)

II. STRUCTURE ITEMS

	(1) Cajalco OH at Railroad	(2) Placentia Ave OH at RR	(3) Placentia Ave OC at I-215
Bridge Name			
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	46.70	25.25	23.25
Span (out to out) - (ft)	143.15	125.00	217.00
Total Area (ft2)	6,729.37	3,156.25	5,045.25
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH
Structure Category	E	E	E
Cost Per ft2 (see comment below)	\$450	\$450	\$450
Total cost for Structure	\$3,028,214	\$1,420,313	\$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			

	(4) SB-EB Connector	(5) WB-SB Connector	(6) WB-NB Connector
Bridge Name			
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	42.00	50.63	42.03
Span (out to out) - (ft)	3,271.00	3,141.96	1,806.11
Total Area (ft2)	138,118.16	147,180.95	75,360.78
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH
Structure Category	C	C	C
Cost Per ft2 (see comment below)	\$250	\$250	\$250
Total cost for Structure	\$34,529,540	\$36,795,238	\$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			

	(7) WB-NB Connector Sepration		
Bridge Name			
Structure Type	CIP/PS		
Width (out to out) - (ft)	42.00		
Span (out to out) - (ft)	246.33		
Total Area (ft2)	10,345.86		
Footing Type (Pile/Spread)	CIDH		
Structure Category	C		
Cost Per ft2 (see comment below)	\$250		
Total cost for Structure	\$2,586,465		

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			

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

COMMENTS: Cost include 10% mobilization and 25% contingency

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

Estimate Prepared by David Garcia Phone # 951-248-1863 Date January 2012

COST ESTIMATE
ALTERNATIVE 9 MODIFIED (1A)
H-19

II. STRUCTURE ITEMS

	(1)	(2)	(3)
Bridge Name	Perris Blvd OC	Placentia Ave OC	Redlands Ave 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	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

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	Perris Drain WB Bridge	Perris Drain EB Bridge	Evans Road WB 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	B
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)	(8)	(9)
Bridge Name	Evans Road EB UC	Evans Road WB Loop	Evans Road EB Loop
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	58.84	40.48	38.99
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	_____	_____	_____

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

COMMENTS: Cost include 10% mobilization and 25% contingency

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

Estimate Prepared by David Garcia Phone # 951-248-1863 Date January 2012

COST ESTIMATE
ALTERNATIVE 9 MODIFIED (1B)
H-20

II. STRUCTURE ITEMS

	(1)	(2)	(3)
Bridge Name	Ramona Exp UC	Ramona Exp UC	Ramona Exp WB
Structure Type	CIP/PS	CIP/PS	on-ramp UC
Width (out to out) - (ft)	61.80	61.80	40.20
Span (out to out) - (ft)	253.80	253.80	250.80
Total Area (ft2)	15,684.84	15,684.84	10,082.16
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	\$5,175,997	\$5,175,997	\$3,327,113

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	Bernasconi	San Jacinto River	San Jacinto River
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	54.80	62.00	62.00
Span (out to out) - (ft)	419.50	2,985.40	2,985.40
Total Area (ft2)	22,988.60	185,094.64	185,094.64
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH
Structure Category	B	A	A
Cost Per ft2 (see comment below)	\$330	\$350	\$350
Total cost for Structure	\$7,586,238	\$64,783,125	\$64,783,125

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	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	B	B	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	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)	_____	_____	_____
Total cost for Structure	\$559,000	_____	_____

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

COMMENTS: Cost include 10% mobilization and 25% contingency
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

Estimate Prepared by David Garcia Phone # 951-248-1863 Date January 2012

COST ESTIMATE
Segment 2 (ALTS: 4 MOD, 5 MOD, & 9 MOD)
H-21

II. STRUCTURE ITEMS

	(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	B	B	B
Cost Per ft2 (see comment below)	\$330	\$330	\$330
Total cost for Structure	\$13,315,170	\$7,116,120	\$16,212,240

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	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	B	B	C
Cost Per ft2 (see comment below)	\$330	\$330	\$250
Total cost for Structure	\$17,837,820	\$16,493,070	\$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	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	C	C	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	C	_____	_____
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
 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

Estimate Prepared by David Garcia Phone # 951-248-1863 Date January 2012

COST ESTIMATE
SJS (ALTS: 4 MOD, 5 MOD, & 9 MOD)
H-22

II. STRUCTURE ITEMS

	(1)	(2)	(3)
Bridge Name	SR 79 UC	SR 79 UC	SR79 SB on-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	B	B	B
Cost Per ft2 (see comment below)	\$330	\$330	\$330
Total cost for Structure	\$2,524,302	\$2,524,302	\$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)	(5)	(6)
Bridge Name	SR79 NB off-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	B	B	B
Cost Per ft2 (see comment below)	\$330	\$330	\$330
Total cost for Structure	\$2,345,693	\$12,000,780	\$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)	(8)	(9)
Bridge Name	SR79 over Ramona	SR79 SB off-ramp	SR79 NB on-ramp
Structure Type	CIP/PS	CIP/PS	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	B	B	B
Cost Per ft2 (see comment below)	\$330	\$330	\$330
Total cost for Structure	\$9,666,261	\$2,211,000	\$3,399,660

	(10)		
Bridge Name	SR79 over SJ 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)	CIDH		
Structure Category	A		
Cost Per ft2 (see comment below)	\$350		
Total cost for Structure	\$21,145,950		

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

COMMENTS: Cost include 10% mobilization and 25% contingency

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

Estimate Prepared by David Garcia Phone # 951-248-1863 Date January 2012

COST ESTIMATE
SJS (ALTS: 4 MOD, 5 MOD, & 9 MOD) SR-79
H-23

III. RIGHT OF WAY ITEMS ESCALATED VALUE

TOTAL RIGHT OF WAY ITEMS \$ \$187,618,366
(Escalated Value)

Anticipated Date of Right of Way Certification 2013
(Date to which Values are Escalated)

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 for review.

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

Draft Project Report Cost Estimate

District-County-Route 08-Riv- Mid County Parkway
 KP(PM) 28.0/34.3 PM
 EA 08-804-0F3200
 Program Code HE-14

PROJECT DESCRIPTION:

Limits Between I-215 and SR-79 in the vicinity of Ramona Expressway

Proposed Improvement (Scope): Construction of new 16 mile six-lane freeway.

Alternate: 4 Modified DV

SUMMARY OF PROJECT COST ESTIMATE

TOTAL ROADWAY ITEMS	\$ <u>845,873,595</u>
TOTAL STRUCTURE ITEMS	\$ <u>1,013,492,194</u>
SUBTOTAL CONSTRUCTION COSTS	\$ <u>1,859,365,789</u>
TOTAL RIGHT OF WAY ITEMS	\$ <u>160,146,953</u>
TOTAL PROJECT CAPITAL OUTLAY COSTS	\$ <u>2,019,512,742</u>

I. ROADWAY ITEMS

<u>Section 1 Earthwork</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Roadway Excavation	<u>7,270,774</u>	<u>yd3</u>	\$ <u>9</u>	\$ <u>65,436,966</u>	
Imported Borrow	<u>7,448,276</u>	<u>yd3</u>	\$ <u>20</u>	\$ <u>148,965,520</u>	
Disposal Offsite	<u>0</u>	<u>yd3</u>	\$ <u>8</u>	\$ <u>0</u>	
Mass Haul	<u>55,642,611</u>	<u>mi-yd3</u>	\$ <u>1</u>	\$ <u>55,642,611</u>	
Clearing & Grubbing	<u>1</u>	<u>ls</u>	\$ <u>16,626,000</u>	\$ <u>16,626,000</u>	
Develop Water Supply	<u>1</u>	<u>ls</u>	\$ <u>3,271,848</u>	\$ <u>3,271,848</u>	
				Subtotal Earthwork	\$ <u>289,942,945</u>

Section 2 Pavement Structural Section

	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	
Jointed Plain Concrete Pavement	<u>154,185</u>	<u>yd3</u>	\$ <u>130</u>	\$ <u>20,044,093</u>	
HMA (Type A) and HMA BB	<u>516,607</u>	<u>ton</u>	\$ <u>80</u>	\$ <u>41,328,555</u>	
Rubberized HMA Gap Graded	<u>161,978</u>	<u>ton</u>	\$ <u>90</u>	\$ <u>14,578,006</u>	
Lean Concrete Base	<u>69,894</u>	<u>yd3</u>	\$ <u>80</u>	\$ <u>5,591,534</u>	
Class 2 - Aggregate Base	<u>778,481</u>	<u>yd3</u>	\$ <u>32</u>	\$ <u>24,911,400</u>	
Class 2 - Aggregate Subbase	<u>78,289</u>	<u>yd3</u>	\$ <u>25</u>	\$ <u>1,957,223</u>	
Edge Drains	<u>30,846</u>	<u>lf</u>	\$ <u>11</u>	\$ <u>339,306</u>	
				Subtotal Pavement Structural Section	\$ <u>108,750,117</u>

Section 3 Drainage

	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	
Large Drainage Facilities	<u>0</u>	<u>ea</u>	\$ <u>0</u>	\$ <u>0</u>	
Storm Drains	<u>1</u>	<u>ls</u>	\$ <u>9,969,250</u>	\$ <u>9,969,250</u>	
Concrete Open Lined Channel	<u>0</u>	<u>lf</u>	\$ <u>800</u>	\$ <u>0</u>	
Pumping Plants	<u>0</u>	<u>ls</u>	\$ <u>0</u>	\$ <u>0</u>	
Permanent BMP	<u>1</u>	<u>ls</u>	\$ <u>21,654,680</u>	\$ <u>21,654,680</u>	
				Subtotal Drainage	\$ <u>31,623,930</u>

Reviewed by District Program Manager _____ Date _____
 (Signature)

Approved by Project Manager _____ Date _____
 (Signature)

Phone No. _____

COMMENTS:

Project drainage includes X-Drains, overside, etc.

<u>Section 4 Specialty Items</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
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	lf	\$ 35	\$ 3,446,695	
Highway Planting	449	ac	\$ 49,120	\$ 22,054,880	
Revegetation	0	ac	\$ 10,000	\$ 0	
Erosion Control	222	ac	\$ 35,000	\$ 7,770,000	
Water Pollution Control	1	ls	\$ 7,477,898	\$ 7,477,898	
Hazardous Waste Mitigation	3,063,318	yd3	\$ 13	\$ 39,823,134	
Environmental Mitigation	1	ls	\$ 6,444,720	\$ 6,444,720	
Tieback Walls	0	ls	\$ 1,204,000	\$ 0	
Subtotal Specialty Items					\$ 114,629,566

<u>Section 5 Traffic Items</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Lighting	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	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	
Subtotal Traffic Items					\$ 60,763,140
TOTAL SECTIONS 1 thru 5					\$ 605,709,699

<u>Section 6 Minor Items</u>	<u>Item Cost</u>	<u>Section Cost</u>
	605,709,699	x (5%) = \$ 30,285,485
(Subtotal Sections 1 thru 5)		
TOTAL MINOR ITEMS		\$ 30,285,485

<u>Section 7 Roadway Mobilization</u>	<u>Item Cost</u>	<u>Section Cost</u>
	635,995,184	x (10%) = \$ 63,599,518
(Subtotal Sections 1 thru 6)		
TOTAL ROADWAY MOBILIZATION		\$ 63,599,518

<u>Section 8 Roadway Additions</u>	<u>Item Cost</u>	<u>Section Cost</u>
Supplemental Work	635,995,184	x (3%) = \$ 19,079,856
(Subtotal Sections 1 thru 6)		
Contingencies	635,995,184	x (20%) = \$ 127,199,037
(Subtotal Sections 1 thru 6)		
TOTAL ROADWAY ADDITIONS		\$ 146,278,892

TOTAL ROADWAY ITEMS \$ 845,873,595
(Subtotal Sections 1 thru 8)

Estimate Prepared By _____ Phone# _____ Date _____
(Print Name)

Estimate Checked By _____ Phone# _____ Date _____
(Print Name)

COMMENTS:

II. STRUCTURE ITEMS

	(1) Placentia Ave	(2) Placentia Ave	(3) WN Connector
Bridge Name	OH at RR	OC at I-215	WN Connector
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	25.63	34.16	41.65
Span (out to out) - (ft)	125.29	216.16	1,364.23
Total Area (ft2)	3,211.34	7,384.00	56,791.24
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH
Structure Category	E	E	C
Cost Per ft2 (see comment below)	\$450	\$450	\$250
Total cost for Structure	\$1,445,103	\$3,322,800	\$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	_____	_____	_____

	(4) WN Connector at	(5) WS Connector	(6) WS Connector at
Bridge Name	Webster UC	WS Connector	Webster UC
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	43.15	46.65	57.42
Span (out to out) - (ft)	221.08	2,272.85	238.27
Total Area (ft2)	9,514.68	106,669.34	13,436.27
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH
Structure Category	B	C	B
Cost Per ft2 (see comment below)	\$330	\$250	\$330
Total cost for Structure	\$3,139,844	\$26,667,335	\$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	_____	_____	_____

	(7) SE Connector	(8) SE Connector at Webster UC	(9) Webster UC
Bridge Name	SE Connector	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	C	B	B
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	_____	_____
Structure Category	E	_____	_____
Cost Per ft2 (see comment below)	\$450	_____	_____
Total cost for Structure	\$3,028,214	_____	_____

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

COMMENTS: Cost include 10% mobilization and 25% contingency

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

Estimate Prepared by David Garcia Phone # 951-248-1863 Date January 2012

COST ESTIMATE
ALTERNATIVE 4 MODIFIED SJN-DV (1A)
H-27

II. STRUCTURE ITEMS

	(1) Ramona Expwy UC EB	(2) Ramona Expwy UC WB	(3) Indian Ave UC EB
Bridge Name	Expwy UC EB	Expwy UC WB	UC EB
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	82.65	70.65	96.44
Span (out to out) - (ft)	585.00	585.00	291.39
Total Area (ft2)	48,352.60	42,627.72	27,658.10
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	\$15,956,358	\$14,067,146	\$9,127,174

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) Indian Ave UC WB	(5) Perris Blvd UC EB	(6) Perris Blvd UC WB
Bridge Name	UC WB	UC EB	UC WB
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	71.00	101.55	59.00
Span (out to out) - (ft)	298.77	310.00	310.00
Total Area (ft2)	22,118.97	26,912.08	18,290.00
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	\$7,299,262	\$8,880,987	\$6,035,700

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) MCP WB Viaduct	(8) MCP EB Viaduct	(9) Evans Rd WB CIP/PS
Bridge Name	Viaduct	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)	9,700.00	9,700.00	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	B
Cost Per ft2 (see comment below)	\$350	\$350	\$330
Total cost for Structure	\$205,205,685	\$201,640,092	\$8,517,537

	(10) Evans Rd EB CIP/PS		
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	_____	_____
Cost Per ft2 (see comment below)	\$330	_____	_____
Total cost for Structure	\$8,660,118	_____	_____

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

COMMENTS: Cost include 10% mobilization and 25% contingency

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

Estimate Prepared by David Garcia Phone # 951-248-1863 Date January 2012

COST ESTIMATE
ALTERNATIVE 4 MODIFIED SJN-DV (1B)
H-28

II. STRUCTURE ITEMS

	(1)	(2)	(3)
Bridge Name	Ramona Exp UC	Ramona Exp UC	Ramona Exp WB
Structure Type	CIP/PS	CIP/PS	on-ramp UC
Width (out to out) - (ft)	61.80	61.80	40.20
Span (out to out) - (ft)	253.80	253.80	250.80
Total Area (ft2)	15,684.84	15,684.84	10,082.16
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	\$5,175,997	\$5,175,997	\$3,327,113

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	Bernasconi	San Jacinto River	San Jacinto River
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	54.80	62.00	62.00
Span (out to out) - (ft)	419.50	2,985.40	2,985.40
Total Area (ft2)	22,988.60	185,094.64	185,094.64
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH
Structure Category	B	A	A
Cost Per ft2 (see comment below)	\$330	\$350	\$350
Total cost for Structure	\$7,586,238	\$64,783,125	\$64,783,125

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	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	B	B	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	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)	_____	_____	_____
Total cost for Structure	\$559,000	_____	_____

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

COMMENTS: Cost include 10% mobilization and 25% contingency
 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

Estimate Prepared by David Garcia Phone # 951-248-1863 Date January 2012

COST ESTIMATE
Segment 2 (ALTS: 4 MOD SJN-DV, 5 MOD SJN-DV, & 9 MOD SJN-DV)
H-29

II. STRUCTURE ITEMS

	(1)	(2)	(3)
Bridge Name	Warren OC	MCP Bridge	MCP Bridge
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	105.00	75.00	61.00
Span (out to out) - (ft)	412.00	342.00	338.50
Total Area (ft2)	43,260.00	25,650.00	20,648.50
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	\$14,275,800	\$8,464,500	\$6,814,005

	(13)	(14)	
Bridge Name	EB-SB	MCP over SR 79	
Structure Type	CIP/PS	CIP/PS	
Width (out to out) - (ft)	43.00	108.00	
Span (out to out) - (ft)	210.00	234.00	
Total Area (ft2)	9,030.00	25,272.00	
Footing Type (Pile/Spread)	CIDH	CIDH	
Structure Category	C	B	
Cost Per ft2 (see comment below)	\$250	\$330	
Total cost for Structure	\$2,257,500	\$8,339,760	

	(4)	(5)	(6)
Bridge Name	Warren EB on-ramp	Odell	Odell
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	41.00	60.00	63.00
Span (out to out) - (ft)	329.00	185.00	185.00
Total Area (ft2)	13,489.00	11,100.00	11,655.00
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	\$4,451,370	\$3,663,000	\$3,846,150

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	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	B	B	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	C	C	C
Cost Per ft2 (see comment below)	\$250	\$250	\$250
Total cost for Structure	\$36,840,000	\$5,011,313	\$28,140,000

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

COMMENTS: Cost include 10% mobilization and 25% contingency

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

Estimate Prepared by David Garcia Phone # 951-248-1863 Date January 2012

COST ESTIMATE
SJN (ALTS: 4 MOD SJN-DV, 5 MOD SJN-DV, & 9 MOD SJN-DV)
H-30

II. STRUCTURE ITEMS

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

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

COMMENTS: Cost include 10% mobilization and 25% contingency

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

Estimate Prepared by David Garcia Phone # 951-248-1863 Date January 2012

SJN (ALTS: 4 MOD SJN-DV, 5 MOD SJN-DV, & 9 MOD SJN-DV) SR-79

COST ESTIMATE

H-31

III. RIGHT OF WAY ITEMS ESCALATED VALUE

TOTAL RIGHT OF WAY ITEMS \$ \$160,146,953
(Escalated Value)

Anticipated Date of Right of Way Certification 2013
(Date to which Values are Escalated)

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 for review.

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

Draft Project Report Cost Estimate

District-County-Route 08-Riv- Mid County Parkway
 KP(PM) 28.0/34.3 PM
 EA 08-804-0F3200
 Program Code HE-14

PROJECT DESCRIPTION:

Limits Between I-215 and SR-79 in the vicinity of Rider Street and the Ramona Expressway

Proposed Improvement (Scope): Construction of new 16 mile six-lane freeway.

Alternate: 5 Modified DV

SUMMARY OF PROJECT COST ESTIMATE

TOTAL ROADWAY ITEMS	\$ <u>856,748,788</u>
TOTAL STRUCTURE ITEMS	\$ <u>615,420,359</u>
SUBTOTAL CONSTRUCTION COSTS	\$ <u>1,472,169,148</u>
TOTAL RIGHT OF WAY ITEMS	\$ <u>171,702,519</u>
TOTAL PROJECT CAPITAL OUTLAY COSTS	\$ <u>1,643,871,667</u>

I. ROADWAY ITEMS

<u>Section 1 Earthwork</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Roadway Excavation	<u>7,573,371</u>	<u>yd3</u>	\$ <u>9</u>	\$ <u>68,160,339</u>	
Imported Borrow	<u>6,252,987</u>	<u>yd3</u>	\$ <u>20</u>	\$ <u>125,059,740</u>	
Disposal Offsite	<u>0</u>	<u>yd3</u>	\$ <u>8</u>	\$ <u>0</u>	
Mass Haul	<u>46,408,639</u>	<u>mi-yd3</u>	\$ <u>1</u>	\$ <u>46,408,639</u>	
Clearing & Grubbing	<u>1</u>	<u>ls</u>	\$ <u>17,000,900</u>	\$ <u>17,000,900</u>	
Develop Water Supply	<u>1</u>	<u>ls</u>	\$ <u>3,408,017</u>	\$ <u>3,408,017</u>	
				Subtotal Earthwork	\$ <u>260,037,635</u>

Section 2 Pavement Structural Section

<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>		
Jointed Plain Concrete Pavement	<u>169,769</u>	<u>yd3</u>	\$ <u>130</u>	\$ <u>22,070,023</u>	
HMA (Type A) and HMA BB	<u>557,210</u>	<u>ton</u>	\$ <u>80</u>	\$ <u>44,576,780</u>	
Rubberized HMA Gap Graded	<u>169,230</u>	<u>ton</u>	\$ <u>90</u>	\$ <u>15,230,744</u>	
Lean Concrete Base	<u>77,686</u>	<u>yd3</u>	\$ <u>80</u>	\$ <u>6,214,897</u>	
Class 2 - Aggregate Base	<u>846,092</u>	<u>yd3</u>	\$ <u>32</u>	\$ <u>27,074,929</u>	
Class 2 - Aggregate Subbase	<u>89,198</u>	<u>yd3</u>	\$ <u>25</u>	\$ <u>2,229,944</u>	
Edge Drains	<u>23,279</u>	<u>lf</u>	\$ <u>11</u>	\$ <u>256,069</u>	
				Subtotal Pavement Structural Section	\$ <u>117,653,386</u>

Section 3 Drainage

<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>		
Large Drainage Facilities	<u>0</u>	<u>ea</u>	\$ <u>0</u>	\$ <u>0</u>	
Storm Drains	<u>1</u>	<u>ls</u>	\$ <u>10,599,180</u>	\$ <u>10,599,180</u>	
Concrete Open Lined Channel	<u>0</u>	<u>lf</u>	\$ <u>800</u>	\$ <u>0</u>	
Pumping Plants	<u>0</u>	<u>ls</u>	\$ <u>0</u>	\$ <u>0</u>	
Permanent BMP	<u>1</u>	<u>ls</u>	\$ <u>21,629,525</u>	\$ <u>21,629,525</u>	
				Subtotal Drainage	\$ <u>32,228,705</u>

Reviewed by District Program Manager _____ Date _____
 (Signature)

Approved by Project Manager _____ Date _____
 (Signature)

Phone No. _____

COMMENTS:

Project drainage includes X-Drains, overside, etc.

<u>Section 4 Specialty Items</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
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	lf	\$ 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	
					Subtotal Specialty Items \$ <u>\$142,571,257</u>

<u>Section 5 Traffic Items</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Lighting	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	
					Subtotal Traffic Items \$ <u>\$61,006,180</u>
					TOTAL SECTIONS 1 thru 5 \$ <u>\$613,497,163</u>

<u>Section 6 Minor Items</u>	<u>Item Cost</u>	<u>Section Cost</u>
	613,497,163	
	(Subtotal Sections 1 thru 5)	
	x (5%) =	\$ 30,674,858
		TOTAL MINOR ITEMS \$ <u>30,674,858</u>

<u>Section 7 Roadway Mobilization</u>	<u>Item Cost</u>	<u>Section Cost</u>
	644,172,021	
	(Subtotal Sections 1 thru 6)	
	x (10%) =	\$ 64,417,202
		TOTAL ROADWAY MOBILIZATION \$ <u>64,417,202</u>

<u>Section 8 Roadway Additions</u>	<u>Item Cost</u>	<u>Section Cost</u>
Supplemental Work	644,172,021	
	(Subtotal Sections 1 thru 6)	
	x (3%) =	\$ 19,325,161
Contingencies	644,172,021	
	(Subtotal Sections 1 thru 6)	
	x (20%) =	\$ 128,834,404
		TOTAL ROADWAY ADDITIONS \$ <u>148,159,565</u>

TOTAL ROADWAY ITEMS \$ 856,748,788
(Subtotal Sections 1 thru 8)

Estimate Prepared By _____ Phone# _____ Date _____
(Print Name)

Estimate Checked By _____ Phone# _____ Date _____
(Print Name)

II. STRUCTURE ITEMS

	(1)	(2)	(3)
	Placentia / I-215 OC Widening	Placentia / Railroad OC Widening	NB-EB Connector / Placentia NB On Separation
Bridge Name			
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	31.16	25.63	51.92
Span (out to out) - (ft)	216.16	125.29	173.66
Total Area (ft2)	6,735.56	3,211.34	9,016.20
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH
Structure Category	E	E	C
Cost Per ft2 (see comment below)	\$450	\$450	\$250
Total cost for Structure	\$3,031,001	\$1,445,105	\$2,254,050

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)
	WB-SB Connector	SB-EB Connector	SB-EB Connector / Cajalco SB On Separation
Bridge Name			
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	46.00	46.00	43.00
Span (out to out) - (ft)	3,591.91	2,772.66	374.58
Total Area (ft2)	165,227.97	127,542.52	16,106.95
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH
Structure Category	C	C	C
Cost Per ft2 (see comment below)	\$250	\$250	\$250
Total cost for Structure	\$41,306,991	\$31,885,631	\$4,026,738

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)
	WB-NB Connector / Cajalco NB Off Separation	Cajalco / I-215 OC	Cajalco / Railroad OC Widening
Bridge Name			
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	C	B	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			

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

COMMENTS: Cost include 10% mobilization and 25% contingency

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

Estimate Prepared by David Garcia Phone # 951-248-1863 Date January 2012

COST ESTIMATE
ALTERNATIVE 5 MODIFIED SJN-DV (1A)
H-35

II. STRUCTURE ITEMS

	(1)	(2)	(3)
Bridge Name	Indian Ave OC	Perris Blvd OC	Relands Ave UC
Structure Type	CIP/PS	CIP/PS	WB
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	B	B	B
Cost Per ft2 (see comment below)	\$330	\$330	\$330
Total cost for Structure	\$9,792,460	\$14,290,198	\$5,384,248

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	Relands Ave UC	Wilson Ave UC	Wilson Ave UC
Structure Type	EB	WB	EB
Width (out to out) - (ft)	60.00	60.00	60.00
Span (out to out) - (ft)	258.88	261.65	260.40
Total Area (ft2)	15,533.05	15,698.90	15,623.75
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	\$5,125,906	\$5,180,637	\$5,155,838

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	Perris Storm	Perris Storm	Evan Rd WB UC
Structure Type	Drain Bridge WB	Drain Bridge EB	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	A	B
Cost Per ft2 (see comment below)	\$350	\$350	\$330
Total cost for Structure	\$14,999,449	\$17,639,504	\$8,001,967

	(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)	23,280.73	_____	_____
Footing Type (Pile/Spread)	CIDH	_____	_____
Structure Category	B	_____	_____
Cost Per ft2 (see comment below)	\$330	_____	_____
Total cost for Structure	\$7,682,642	_____	_____

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

COMMENTS: Cost include 10% mobilization and 25% contingency

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

Estimate Prepared by David Garcia Phone # 951-248-1863 Date January 2012

COST ESTIMATE
ALTERNATIVE 5 MODIFIED SJN-DV (1B)
H-36

II. STRUCTURE ITEMS

	(1)	(2)	(3)
Bridge Name	Ramona Exp UC	Ramona Exp UC	Ramona Exp WB
Structure Type	CIP/PS	CIP/PS	on-ramp UC
Width (out to out) - (ft)	61.80	61.80	40.20
Span (out to out) - (ft)	253.80	253.80	250.80
Total Area (ft2)	15,684.84	15,684.84	10,082.16
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	\$5,175,997	\$5,175,997	\$3,327,113

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	Bernasconi	San Jacinto River	San Jacinto River
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	54.80	62.00	62.00
Span (out to out) - (ft)	419.50	2,985.40	2,985.40
Total Area (ft2)	22,988.60	185,094.64	185,094.64
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH
Structure Category	B	A	A
Cost Per ft2 (see comment below)	\$330	\$350	\$350
Total cost for Structure	\$7,586,238	\$64,783,125	\$64,783,125

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	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	B	B	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	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)	_____	_____	_____
Total cost for Structure	\$559,000	_____	_____

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

COMMENTS: Cost include 10% mobilization and 25% contingency

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

Estimate Prepared by David Garcia Phone # 951-248-1863 Date January 2012

COST ESTIMATE
Segment 2 (ALTS: 4 MOD SJN-DV, 5 MOD SJN-DV, & 9 MOD SJN-DV)
H-37

II. STRUCTURE ITEMS

	(1)	(2)	(3)
Bridge Name	Warren OC	MCP Bridge	MCP Bridge
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	105.00	75.00	61.00
Span (out to out) - (ft)	412.00	342.00	338.50
Total Area (ft2)	43,260.00	25,650.00	20,648.50
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	\$14,275,800	\$8,464,500	\$6,814,005

	(13)	(14)	
Bridge Name	EB-SB	MCP over SR 79	
Structure Type	CIP/PS	CIP/PS	
Width (out to out) - (ft)	43.00	108.00	
Span (out to out) - (ft)	210.00	234.00	
Total Area (ft2)	9,030.00	25,272.00	
Footing Type (Pile/Spread)	CIDH	CIDH	
Structure Category	C	B	
Cost Per ft2 (see comment below)	\$250	\$330	
Total cost for Structure	\$2,257,500	\$8,339,760	

	(4)	(5)	(6)
Bridge Name	Warren EB on-ramp	Odell	Odell
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	41.00	60.00	63.00
Span (out to out) - (ft)	329.00	185.00	185.00
Total Area (ft2)	13,489.00	11,100.00	11,655.00
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	\$4,451,370	\$3,663,000	\$3,846,150

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	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	B	B	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	C	C	C
Cost Per ft2 (see comment below)	\$250	\$250	\$250
Total cost for Structure	\$36,840,000	\$5,011,313	\$28,140,000

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

COMMENTS: Cost include 10% mobilization and 25% contingency

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

Estimate Prepared by David Garcia Phone # 951-248-1863 Date January 2012

COST ESTIMATE
SJN (ALTS: 4 MOD SJN-DV, 5 MOD SJN-DV, & 9 MOD SJN-DV)
H-38

II. STRUCTURE ITEMS

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

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

COMMENTS: Cost include 10% mobilization and 25% contingency

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

Estimate Prepared by David Garcia Phone # 951-248-1863 Date January 2012

COST ESTIMATE
SJN (ALTS: 4 MOD SJN-DV, 5 MOD SJN-DV, & 9 MOD SJN-DV) SR-79
H-39

III. RIGHT OF WAY ITEMS ESCALATED VALUE

TOTAL RIGHT OF WAY ITEMS \$ \$171,702,519
(Escalated Value)

Anticipated Date of Right of Way Certification 2013
(Date to which Values are Escalated)

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 for review.

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

Draft Project Report Cost Estimate

District-County-Route 08-Riv- Mid County Parkway
 KP(PM) 28.0/34.3 PM
 EA 08-804-0F3200
 Program Code HE-14

PROJECT DESCRIPTION:

Limits Between I-15 and SR-79 in the vicinity of Placentia Avenue and the Ramona Expressway

Proposed Improvement (Scope): Construction of new 16 mile six-lane freeway.

Alternate: 9 Modified DV

SUMMARY OF PROJECT COST ESTIMATE

TOTAL ROADWAY ITEMS	\$ <u>771,357,852</u>
TOTAL STRUCTURE ITEMS	\$ <u>611,111,641</u>
SUBTOTAL CONSTRUCTION COSTS	\$ <u>1,382,469,493</u>
TOTAL RIGHT OF WAY ITEMS	\$ <u>150,485,574</u>
TOTAL PROJECT CAPITAL OUTLAY COSTS	\$ <u>1,532,955,067</u>

Reviewed by District Program Manager _____ Date _____
 (Signature)

Approved by Project Manager _____ Date _____
 (Signature)

Phone No. _____

I. ROADWAY ITEMS

<u>Section 1 Earthwork</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Roadway Excavation	<u>8,592,615</u>	<u>yd3</u>	\$ <u>9</u>	\$ <u>77,333,535</u>	
Imported Borrow	<u>3,738,441</u>	<u>yd3</u>	\$ <u>20</u>	\$ <u>74,768,820</u>	
Disposal Offsite	<u>0</u>	<u>yd3</u>	\$ <u>8</u>	\$ <u>0</u>	
Mass Haul	<u>43,018,394</u>	<u>mi-yd3</u>	\$ <u>1</u>	\$ <u>43,018,394</u>	
Clearing & Grubbing	<u>1</u>	<u>ls</u>	\$ <u>15,745,800</u>	\$ <u>15,745,800</u>	
Develop Water Supply	<u>1</u>	<u>ls</u>	\$ <u>3,866,677</u>	\$ <u>3,866,677</u>	
				Subtotal Earthwork	\$ <u>214,733,226</u>

Section 2 Pavement Structural Section

	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	
Jointed Plain Concrete Pavement	<u>136,679</u>	<u>yd3</u>	\$ <u>130</u>	\$ <u>17,768,323</u>	
HMA (Type A) and HMA BB	<u>516,823</u>	<u>ton</u>	\$ <u>80</u>	\$ <u>41,345,866</u>	
Rubberized HMA Gap Graded	<u>159,729</u>	<u>ton</u>	\$ <u>90</u>	\$ <u>14,375,621</u>	
Lean Concrete Base	<u>61,141</u>	<u>yd3</u>	\$ <u>80</u>	\$ <u>4,891,297</u>	
Class 2 - Aggregate Base	<u>790,992</u>	<u>yd3</u>	\$ <u>32</u>	\$ <u>25,311,750</u>	
Class 2 - Aggregate Subbase	<u>66,035</u>	<u>yd3</u>	\$ <u>25</u>	\$ <u>1,650,869</u>	
Edge Drains	<u>29,000</u>	<u>lf</u>	\$ <u>11</u>	\$ <u>319,000</u>	
				Subtotal Pavement Structural Section	\$ <u>105,662,726</u>

Section 3 Drainage

	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	
Large Drainage Facilities	<u>0</u>	<u>ea</u>	\$ <u>0</u>	\$ <u>0</u>	
Storm Drains	<u>1</u>	<u>ls</u>	\$ <u>17,385,110</u>	\$ <u>17,385,110</u>	
Concrete Open Lined Channel	<u>0</u>	<u>lf</u>	\$ <u>800</u>	\$ <u>0</u>	
Pumping Plants	<u>1</u>	<u>ls</u>	\$ <u>55,000</u>	\$ <u>55,000</u>	
Permanent BMP	<u>1</u>	<u>ls</u>	\$ <u>21,863,330</u>	\$ <u>21,863,330</u>	
				Subtotal Drainage	\$ <u>39,303,440</u>

COMMENTS:

Project drainage includes X-Drains, overside, etc.

<u>Section 4 Specialty Items</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
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	ls	\$ 6,445,075	\$ 6,445,075	
Tieback Walls	1	ls	\$ 1,204,000	\$ 1,204,000	
Subtotal Specialty Items					\$ 132,232,239

<u>Section 5 Traffic Items</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Lighting	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	
Subtotal Traffic Items					\$ 60,419,140
TOTAL SECTIONS 1 thru 5					\$ 552,350,772

<u>Section 6 Minor Items</u>	<u>Item Cost</u>	<u>Section Cost</u>
	552,350,772	x (5%) = \$ 27,617,539
(Subtotal Sections 1 thru 5)		
TOTAL MINOR ITEMS		\$ 27,617,539

<u>Section 7 Roadway Mobilization</u>	<u>Item Cost</u>	<u>Section Cost</u>
	579,968,310	x (10%) = \$ 57,996,831
(Subtotal Sections 1 thru 6)		
TOTAL ROADWAY MOBILIZATION		\$ 57,996,831

<u>Section 8 Roadway Additions</u>	<u>Item Cost</u>	<u>Section Cost</u>
Supplemental Work	579,968,310	x (3%) = \$ 17,399,049
(Subtotal Sections 1 thru 6)		
Contingencies	579,968,310	x (20%) = \$ 115,993,662
(Subtotal Sections 1 thru 6)		
TOTAL ROADWAY ADDITIONS		\$ 133,392,711

TOTAL ROADWAY ITEMS \$ 771,357,852
(Subtotal Sections 1 thru 8)

Estimate Prepared By _____ Phone# _____ Date _____
(Print Name)

Estimate Checked By _____ Phone# _____ Date _____
(Print Name)

II. STRUCTURE ITEMS

	(1) Cajalco OH at Railroad	(2) Placentia Ave OH at RR	(3) Placentia Ave OC at I-215
Bridge Name			
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	46.70	25.25	23.25
Span (out to out) - (ft)	143.15	125.00	217.00
Total Area (ft2)	6,729.37	3,156.25	5,045.25
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH
Structure Category	E	E	E
Cost Per ft2 (see comment below)	\$450	\$450	\$450
Total cost for Structure	\$3,028,214	\$1,420,313	\$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			

	(4) SB-EB Connector	(5) WB-SB Connector	(6) WB-NB Connector
Bridge Name			
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	42.00	50.63	42.03
Span (out to out) - (ft)	3,271.00	3,141.96	1,806.11
Total Area (ft2)	138,118.16	147,180.95	75,360.78
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH
Structure Category	C	C	C
Cost Per ft2 (see comment below)	\$250	\$250	\$250
Total cost for Structure	\$34,529,540	\$36,795,238	\$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			

	(7) WB-NB Connector Sepration		
Bridge Name			
Structure Type	CIP/PS		
Width (out to out) - (ft)	42.00		
Span (out to out) - (ft)	246.33		
Total Area (ft2)	10,345.86		
Footing Type (Pile/Spread)	CIDH		
Structure Category	C		
Cost Per ft2 (see comment below)	\$250		
Total cost for Structure	\$2,586,465		

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			

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

COMMENTS: Cost include 10% mobilization and 25% contingency

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

Estimate Prepared by David Garcia Phone # 951-248-1863 Date January 2012

COST ESTIMATE
ALTERNATIVE 9 MODIFIED SJN-DV (1A)
H-43

II. STRUCTURE ITEMS

	(1)	(2)	(3)
Bridge Name	Perris Blvd OC	Placentia Ave OC	Redlands Ave 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	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

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	Perris Drain WB Bridge	Perris Drain EB Bridge	Evans Road WB 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	B
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)	(8)	(9)
Bridge Name	Evans Road EB UC	Evans Road WB Loop	Evans Road EB Loop
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	58.84	40.48	38.99
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	_____	_____	_____

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

COMMENTS: Cost include 10% mobilization and 25% contingency

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

Estimate Prepared by David Garcia Phone # 951-248-1863 Date January 2012

COST ESTIMATE
ALTERNATIVE 9 MODIFIED SJN-DV (1B)
H-44

II. STRUCTURE ITEMS

	(1)	(2)	(3)
Bridge Name	Ramona Exp UC	Ramona Exp UC	Ramona Exp WB
Structure Type	CIP/PS	CIP/PS	on-ramp UC
Width (out to out) - (ft)	61.80	61.80	40.20
Span (out to out) - (ft)	253.80	253.80	250.80
Total Area (ft2)	15,684.84	15,684.84	10,082.16
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	\$5,175,997	\$5,175,997	\$3,327,113

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	Bernasconi	San Jacinto River	San Jacinto River
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	54.80	62.00	62.00
Span (out to out) - (ft)	419.50	2,985.40	2,985.40
Total Area (ft2)	22,988.60	185,094.64	185,094.64
Footing Type (Pile/Spread)	CIDH	CIDH	CIDH
Structure Category	B	A	A
Cost Per ft2 (see comment below)	\$330	\$350	\$350
Total cost for Structure	\$7,586,238	\$64,783,125	\$64,783,125

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	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	B	B	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	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)	_____	_____	_____
Total cost for Structure	\$559,000	_____	_____

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

COMMENTS: Cost include 10% mobilization and 25% contingency

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

Estimate Prepared by David Garcia Phone # 951-248-1863 Date January 2012

COST ESTIMATE
Segment 2 (ALTS: 4 MOD SJN-DV, 5 MOD SJN-DV, & 9 MOD SJN-DV)
H-45

II. STRUCTURE ITEMS

	(1)	(2)	(3)
Bridge Name	Warren OC	MCP Bridge	MCP Bridge
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	105.00	75.00	61.00
Span (out to out) - (ft)	412.00	342.00	338.50
Total Area (ft2)	43,260.00	25,650.00	20,648.50
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	\$14,275,800	\$8,464,500	\$6,814,005

	(13)	(14)	
Bridge Name	EB-SB	MCP over SR 79	
Structure Type	CIP/PS	CIP/PS	
Width (out to out) - (ft)	43.00	108.00	
Span (out to out) - (ft)	210.00	234.00	
Total Area (ft2)	9,030.00	25,272.00	
Footing Type (Pile/Spread)	CIDH	CIDH	
Structure Category	C	B	
Cost Per ft2 (see comment below)	\$250	\$330	
Total cost for Structure	\$2,257,500	\$8,339,760	

	(4)	(5)	(6)
Bridge Name	Warren EB on-ramp	Odell	Odell
Structure Type	CIP/PS	CIP/PS	CIP/PS
Width (out to out) - (ft)	41.00	60.00	63.00
Span (out to out) - (ft)	329.00	185.00	185.00
Total Area (ft2)	13,489.00	11,100.00	11,655.00
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	\$4,451,370	\$3,663,000	\$3,846,150

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	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	B	B	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	C	C	C
Cost Per ft2 (see comment below)	\$250	\$250	\$250
Total cost for Structure	\$36,840,000	\$5,011,313	\$28,140,000

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

COMMENTS: Cost include 10% mobilization and 25% contingency

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

Estimate Prepared by David Garcia Phone # 951-248-1863 Date January 2012

COST ESTIMATE
SJN (ALTS: 4 MOD SJN-DV, 5 MOD SJN-DV, & 9 MOD SJN-DV)
H-46

II. STRUCTURE ITEMS

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

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

COMMENTS: Cost include 10% mobilization and 25% contingency

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

Estimate Prepared by David Garcia Phone # 951-248-1863 Date January 2012

COST ESTIMATE
SJN (ALTS: 4 MOD SJN-DV, 5 MOD SJN-DV, & 9 MOD SJN-DV) SR-79
H-47

III. RIGHT OF WAY ITEMS ESCALATED VALUE

TOTAL RIGHT OF WAY ITEMS \$ \$150,485,574
(Escalated Value)

Anticipated Date of Right of Way Certification 2013
(Date to which Values are Escalated)

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 for review.

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

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