

APPENDIX B

PRELIMINARY PLANS AND COST ESTIMATES

PREPARED BY:

RBF CONSULTING

**NEWPORT BEACH FAIRSHARE FEE PROGRAM UPDATE
PRELIMINARY COST ESTIMATES**

Location: Intersection #1a Bluff Rd & Coast Hwy

Date: 08/07/2007

Mitigation: Add WB Right Turn, 2 EB Left Turns, 2 SB Left Turns, 2 SB Right Turns

Estimated by: P. Chao

	DESCRIPTION OF WORK	UNIT PRICE	QUANTITY	COST
1	Mobilization	10.00%		\$171,000
2	Clear & Grub	\$10,000.00 / AC	1.32	\$13,000
3	Remove Striping	\$10.00 / LF	4,290	\$43,000
4	Remove Curb & Gutter	\$30.00 / LF	1,650	\$50,000
5	Remove Median Curb	\$30.00 / LF	1,890	\$57,000
6	Remove PCC Sidewalk	\$7.00 / SF	16,500	\$116,000
7	Remove Pavement	\$4.00 / SF	7,100	\$28,000
8	Remove Wall	\$10.00 / LF	0	\$0
9	Remove Channel	\$15.00 / LF	220	\$3,000
10	Remove/Replace Chain Link Fence	\$50.00 / LF	0	\$0
11	Reconstruct Metal Beam Guard Rail	\$70.00 / LF	0	\$0
12	Remove & Relocate Tree	\$3,000.00 / EA	0	\$0
13	Sawcut	\$1.00 / LF	1,650	\$2,000
14	Relocate Street Light	\$7,500.00 / EA	9	\$68,000
15	Relocate Traffic Signal System	\$300,000.00 / EA	0	\$0
16	Relocate Freeway Sign (2 post)	\$1,000.00 / EA	0	\$0
17	Relocate Sign (1 Post)	\$300.00 / EA	1	\$0
18	Reconstruct Overhead Sign	\$50,000.00 / EA	0	\$0
19	Relocate Call Box	\$2,000.00 / EA	0	\$0
20	Relocate Power Pole (Wood)	\$25,000.00 / EA	0	\$0
21	Relocate Catch Basin	\$8,000.00 / EA	2	\$16,000
22	Relocate Fire Hydrant	\$2,500.00 / EA	0	\$0
23	Relocate Bus Bench	\$600.00 / EA	1	\$1,000
24	Relocate Monument Wall	\$5,000.00 / EA	0	\$0
25	Relocate Utility Boxes	\$500.00 / EA	12	\$6,000
26	Relocate Main Water Valve	\$5,000.00 / EA	1	\$5,000
27	Relocate Utility Vault	\$3,000.00 / EA	1	\$3,000
28	Adjust Manhole to Grade	\$1,500.00 / EA	0	\$0
29	Adjust Water Meter	\$500.00 / EA	0	\$0
30	Adjust Water Valve	\$500.00 / EA	1	\$1,000
31	Adjust Minor Above Ground Utilities	\$500.00 / EA	4	\$2,000
32	Modify Driveway	\$5,000.00 / EA	0	\$0
33	Earthwork	\$12.00 / CY	2,700	\$32,000
34	Construct PCC Pavement	\$15.00 / SF	0	\$0
35	Construct AC Pavement	\$14.00 / SF	19,200	\$269,000
36	Construct AC Overlay	\$3.00 / SF	0	\$0
37	Construct Slurry Seal	\$0.25 / SF	0	\$0
38	Construct Striping & Marking	\$4.00 / LF	1,650	\$7,000
39	Construct AC Dike	\$7.00 / LF	0	\$0
40	Construct Curb & Gutter	\$30.00 / LF	1,650	\$50,000
41	Construct Concrete Barrier	\$50.00 / LF	0	\$0
42	Construct Median Curb	\$20.00 / LF	1,640	\$33,000
43	Construct Median Concrete	\$10.00 / SF	10,660	\$107,000
44	Construct Median/Parkway Landscaping	\$10.00 / SF	1,710	\$17,000
45	Construct PCC Sidewalk	\$7.00 / SF	17,700	\$124,000
46	Construct Access Ramp	\$5,000.00 / EA	4	\$20,000
47	Construct Retaining Wall	\$50.00 / SF	0	\$0
48	Construct Storm Drain Main	\$100.00 / LF	0	\$0
49	Construct RCB	\$1,000.00 / LF	150	\$150,000
50	Construct Headwall	\$5,000.00 / EA	0	\$0
51	Construct Concrete V-Ditch	\$15.00 / LF	120	\$2,000
52	Construct Bridge Widening	\$500.00 / SF	0	\$0
53	Construct Parkway Landscaping/Irrigation	\$10.00 / SF	0	\$0
54	Construct Wall	\$70.00 / LF	0	\$0
55	Building/Structure Demolition (1 Story)	\$10.00 / SF	0	\$0
56	Traffic Control	8%	1	\$98,000
57	Drainage Items	10%	1	\$132,000
58	SWPPP Plan and Implementation	6%	1	\$87,000
	CONSTRUCTION SUBTOTAL			\$1,713,000
	Right-of-Way	100 / SF	19,200	\$1,920,000
	Right-of-Way Management	5 / %		\$96,000
	RIGHT-OF-WAY SUBTOTAL			\$2,016,000
	TOTAL CONSTRUCTION & RIGHT-OF-WAY COST			\$3,729,000
	Preliminary Project Development (10% of total Construction/RW cost)			\$373,000
	Design Engineering/Administration Costs (15% of total Construction/RW cost)			\$560,000
	Construction Engineering Costs/Administration (10% of total Construction/RW cost)			\$373,000
	Contingency (20% of Total Construction/RW cost)			\$746,000
	TOTAL PROJECT COSTS			\$5,781,000

**NEWPORT BEACH FAIRSHARE FEE PROGRAM UPDATE
PRELIMINARY COST ESTIMATES**

Location: Intersection #1b 15th Street Extension to Coast Hwy
Mitigation: Two Lanes Northbound and Southbound on 15th Street to Coast Highway.

Date: 08/07/2007
Estimated by: D. Chanley

	DESCRIPTION OF WORK	UNIT PRICE	QUANTITY	COST
1	Mobilization	10.00%		\$1,060,000
2	Clear & Grub	\$10,000.00 / AC	9.25	\$93,000
3	Remove Striping	\$10.00 / LF	1,496	\$15,000
4	Remove Curb & Gutter	\$30.00 / LF	2,076	\$62,000
5	Remove Median Curb	\$30.00 / LF	1,720	\$52,000
6	Remove PCC Sidewalk	\$7.00 / SF	20,762	\$145,000
7	Remove Pavement	\$4.00 / SF	0	\$0
8	Remove Wall	\$10.00 / LF	0	\$0
9	Remove Channel	\$15.00 / LF	0	\$0
10	Remove/Replace Chain Link Fence	\$50.00 / LF	564	\$28,000
11	Reconstruct Metal Beam Guard Rail	\$70.00 / LF	0	\$0
12	Remove & Relocate Tree	\$3,000.00 / EA	0	\$0
13	Sawcut	\$1.00 / LF	2,076	\$2,000
14	Relocate Street Light	\$7,500.00 / EA	18	\$135,000
15	Relocate Traffic Signal System	\$300,000.00 / EA	0	\$0
16	Relocate Freeway Sign (2 post)	\$1,000.00 / EA	0	\$0
17	Relocate Sign (1 Post)	\$300.00 / EA	0	\$0
18	Reconstruct Overhead Sign	\$50,000.00 / EA	0	\$0
19	Relocate Call Box	\$2,000.00 / EA	0	\$0
20	Relocate Power Pole (Wood)	\$25,000.00 / EA	1	\$25,000
21	Relocate Catch Basin	\$8,000.00 / EA	3	\$24,000
22	Relocate Fire Hydrant	\$2,500.00 / EA	0	\$0
23	Relocate Bus Bench	\$600.00 / EA	1	\$1,000
24	Relocate Monument Wall	\$5,000.00 / EA	0	\$0
25	Relocate Utility Boxes	\$500.00 / EA	0	\$0
26	Relocate Main Water Valve	\$5,000.00 / EA	0	\$0
27	Relocate Utility Vault	\$3,000.00 / EA	5	\$15,000
28	Adjust Manhole to Grade	\$1,500.00 / EA	1	\$2,000
29	Adjust Water Meter	\$500.00 / EA	1	\$1,000
30	Adjust Water Valve	\$500.00 / EA	0	\$0
31	Adjust Minor Above Ground Utilities	\$500.00 / EA	5	\$3,000
32	Modify Driveway	\$5,000.00 / EA	1	\$5,000
33	Earthwork (*)	\$100.00 / LF	3,900	\$390,000
34	Construct PCC Pavement	\$15.00 / SF	0	\$0
35	Construct AC Pavement	\$14.00 / SF	348,882	\$4,884,000
36	Construct AC Overlay	\$3.00 / SF	0	\$0
37	Construct Slurry Seal	\$0.25 / SF	0	\$0
38	Construct Striping & Marking	\$4.00 / LF	5,117	\$20,000
39	Construct AC Dike	\$7.00 / LF	0	\$0
40	Construct Curb & Gutter	\$30.00 / LF	7,642	\$229,000
41	Construct Concrete Barrier	\$50.00 / LF	0	\$0
42	Construct Median Curb	\$20.00 / LF	8,823	\$176,000
43	Construct Median Concrete	\$10.00 / SF	0	\$0
44	Construct Median/Parkway Landscaping	\$10.00 / SF	69,478	\$695,000
45	Construct PCC Sidewalk	\$7.00 / SF	76,423	\$535,000
46	Construct Access Ramp	\$5,000.00 / EA	8	\$40,000
47	Construct Retaining Wall	\$50.00 / SF	0	\$0
48	Construct Storm Drain Main	\$100.00 / LF	0	\$0
49	Construct RCB	\$1,000.00 / LF	0	\$0
50	Construct Headwall	\$5,000.00 / EA	0	\$0
51	Construct Concrete V-Ditch	\$15.00 / LF	0	\$0
52	Construct Bridge Widening	\$500.00 / SF	0	\$0
53	Construct Parkway Landscaping/Irrigation	\$10.00 / SF	0	\$0
54	Construct Wall	\$70.00 / LF	0	\$0
55	Building/Structure Demolition (1 Story)	\$10.00 / SF	0	\$0
56	Traffic Control	8%	1	\$606,000
57	Drainage Items	10%	1	\$818,000
58	SWPPP Plan and Implementation	6%	1	\$540,000
	CONSTRUCTION SUBTOTAL			\$10,601,000
	Right-of-Way	100 / SF	402,600	\$40,260,000
	Right-of-Way Management	5 / %		\$2,013,000
	RIGHT-OF-WAY SUBTOTAL			\$42,273,000
	TOTAL CONSTRUCTION & RIGHT-OF-WAY COST			\$52,874,000
	Preliminary Project Development (10% of total Construction/RW cost)			\$5,288,000
	Design Engineering/Administration Costs (15% of total Construction/RW cost)			\$7,932,000
	Construction Engineering Costs/Administration (10% of total Construction/RW cost)			\$5,288,000
	Contingency (20% of Total Construction/RW cost)			\$10,575,000
	TOTAL PROJECT COSTS			\$81,957,000

NOTE: (*) The Unit Price of Earthwork of \$100.00/LF is based on 104 ft of road width from RW to RW, average depth of 10 ft for cut and fill and \$2.50/CY

**NEWPORT BEACH FAIRSHARE FEE PROGRAM UPDATE
PRELIMINARY COST ESTIMATES**

Location: Intersection # 6 Newport Blvd & 32nd St
Mitigation: Add 2nd WB LT lane, EB LT lane, 3rd SB T lane, NB 3rd T lane

Date: 08/07/2007
Estimated by: S. Foster

	DESCRIPTION OF WORK	UNIT PRICE	QUANTITY	COST
1	Mobilization	10.00%		\$101,000
2	Clear & Grub	\$10,000.00 / AC	0.0	\$0
3	Remove Striping	\$10.00 / LF	1,300	\$13,000
4	Remove Curb & Gutter	\$30.00 / LF	740	\$22,000
5	Remove Median Curb	\$30.00 / LF	150	\$5,000
6	Remove PCC Sidewalk	\$7.00 / SF	4,550	\$32,000
7	Remove Pavement	\$4.00 / SF	0	\$0
8	Remove Wall	\$10.00 / LF	130	\$1,000
9	Remove Channel	\$15.00 / LF	65	\$1,000
10	Remove/Replace Chain Link Fence	\$50.00 / LF	0	\$0
11	Reconstruct Metal Beam Guard Rail	\$70.00 / LF	0	\$0
12	Remove & Relocate Tree	\$3,000.00 / EA	6	\$18,000
13	Sawcut	\$1.00 / LF	740	\$1,000
14	Relocate Street Light	\$7,500.00 / EA	9	\$68,000
15	Relocate Traffic Signal System	\$300,000.00 / EA	1	\$300,000
16	Relocate Freeway Sign (2 post)	\$1,000.00 / EA	0	\$0
17	Relocate Sign (1 Post)	\$300.00 / EA	4	\$1,000
18	Reconstruct Overhead Sign	\$50,000.00 / EA	0	\$0
19	Relocate Call Box	\$2,000.00 / EA	0	\$0
20	Relocate Power Pole	\$25,000.00 / EA	0	\$0
21	Relocate Catch Basin	\$8,000.00 / EA	3	\$24,000
22	Relocate Fire Hydrant	\$2,500.00 / EA	0	\$0
23	Relocate Bus Bench	\$600.00 / EA	0	\$0
24	Relocate Monument Wall	\$5,000.00 / EA	1	\$5,000
25	Relocate Utility Boxes	\$500.00 / EA	7	\$4,000
26	Relocate Main Water Valve	\$5,000.00 / EA	0	\$0
27	Relocate Utility Vault	\$3,000.00 / EA	1	\$3,000
28	Adjust Manhole to Grade	\$1,500.00 / EA	9	\$14,000
29	Adjust Water Meter	\$500.00 / EA	0	\$0
30	Adjust Water Valve	\$500.00 / EA	2	\$1,000
31	Adjust Minor Above Ground Utilities	\$500.00 / EA	5	\$3,000
32	Modify Driveway	\$5,000.00 / EA	4	\$20,000
33	Earthwork	\$12.00 / CY	650	\$8,000
34	Construct PCC Pavement	\$15.00 / SF	0	\$0
35	Construct AC Pavement	\$14.00 / SF	4,500	\$63,000
36	Construct AC Overlay	\$3.00 / SF	0	\$0
37	Construct Slurry Seal	\$0.25 / SF	80,500	\$20,000
38	Construct Striping & Marking	\$4.00 / LF	1,300	\$5,000
39	Construct AC Dike	\$7.00 / LF	0	\$0
40	Construct Curb & Gutter	\$30.00 / LF	740	\$22,000
41	Construct Concrete Barrier	\$50.00 / LF	0	\$0
42	Construct Median Curb	\$20.00 / LF	100	\$2,000
43	Construct Median Concrete	\$10.00 / SF	230	\$2,000
44	Construct Median/Parkway Landscaping	\$10.00 / SF	0	\$0
45	Construct PCC Sidewalk	\$7.00 / SF	4,550	\$32,000
46	Construct Access Ramp	\$5,000.00 / EA	6	\$30,000
47	Construct Retaining Wall	\$50.00 / SF	90	\$5,000
48	Construct Storm Drain Main	\$100.00 / LF	0	\$0
49	Construct RCB	\$1,000.00 / LF	0	\$0
50	Construct Headwall	\$5,000.00 / EA	0	\$0
51	Construct Concrete V-Ditch	\$15.00 / LF	0	\$0
52	Construct Bridge Widening	\$500.00 / SF	0	\$0
53	Construct Parkway Landscaping/Irrigation	\$10.00 / SF	0	\$0
54	Construct Wall	\$70.00 / LF	0	\$0
55	Building/Structure Demolition (1 Story)	\$10.00 / SF	1	\$0
56	Traffic Control	8%	1	\$58,000
57	Drainage Items	10%	1	\$78,000
58	SWPPP Plan and Implementation	6%	1	\$52,000
	CONSTRUCTION SUBTOTAL			\$1,014,000
	Right-of-Way	100 / SF	135	\$13,500
	Right-of-Way Management	5 / %		\$1,000
	RIGHT-OF-WAY SUBTOTAL			\$14,500
	TOTAL CONSTRUCTION & RIGHT-OF-WAY COST			\$1,029,000
	Preliminary Project Development (10% of total Construction/RW cost)			\$103,000
	Design Engineering/Administration Costs (15% of total Construction/RW cost)			\$155,000
	Construction Engineering Costs/Administration (10% of total Construction/RW cost)			\$103,000
	Contingency (20% of Total Construction/RW cost)			\$206,000
	TOTAL PROJECT COSTS			\$1,596,000

**NEWPORT BEACH FAIRSHARE FEE PROGRAM UPDATE
PRELIMINARY COST ESTIMATES**

Location: Intersection #7 Riverside Ave & Coast Hwy
Mitigation: Add 2nd EB LT lane, 3rd EB T lane, Eliminate WB RT lane

Date: 08/07/2007
Estimated by: S. Foster/J. McNeill

	DESCRIPTION OF WORK	UNIT PRICE	QUANTITY	COST
1	Mobilization	10.00%		\$145,000
2	Clear & Grub	\$10,000.00 / AC	0.1	\$1,000
3	Remove Striping	\$10.00 / LF	1,420	\$14,000
4	Remove Curb & Gutter	\$30.00 / LF	1,160	\$35,000
5	Remove Median Curb	\$30.00 / LF	1,015	\$30,000
6	Remove PCC Sidewalk	\$7.00 / SF	12,630	\$88,000
7	Remove Pavement	\$4.00 / SF	4,090	\$16,000
8	Remove Wall	\$10.00 / LF	0	\$0
9	Remove Channel	\$15.00 / LF	0	\$0
10	Remove/Replace Chain Link Fence	\$50.00 / LF	0	\$0
11	Reconstruct Metal Beam Guard Rail	\$70.00 / LF	0	\$0
12	Remove & Relocate Tree	\$3,000.00 / EA	0	\$0
13	Sawcut	\$1.00 / LF	2,520	\$3,000
14	Relocate Street Light	\$7,500.00 / EA	2	\$15,000
15	Relocate Traffic Signal System	\$300,000.00 / EA	1	\$300,000
16	Relocate Freeway Sign (2 post)	\$1,000.00 / EA	0	\$0
17	Relocate Sign (1 Post)	\$300.00 / EA	6	\$2,000
18	Reconstruct Overhead Sign	\$50,000.00 / EA	0	\$0
19	Relocate Call Box	\$2,000.00 / EA	0	\$0
20	Relocate Power Pole	\$25,000.00 / EA	0	\$0
21	Relocate Catch Basin	\$8,000.00 / EA	2	\$16,000
22	Relocate Fire Hydrant	\$2,500.00 / EA	1	\$3,000
23	Relocate Bus Bench	\$600.00 / EA	0	\$0
24	Relocate Monument Wall	\$5,000.00 / EA	2	\$10,000
25	Relocate Utility Boxes	\$500.00 / EA	13	\$7,000
26	Relocate Main Water Valve	\$5,000.00 / EA	0	\$0
27	Relocate Utility Vault	\$3,000.00 / EA	2	\$6,000
28	Adjust Manhole to Grade	\$1,500.00 / EA	12	\$18,000
29	Adjust Water Meter	\$500.00 / EA	20	\$10,000
30	Adjust Water Valve	\$500.00 / EA	1	\$1,000
31	Adjust Minor Above Ground Utilities	\$500.00 / EA	7	\$4,000
32	Modify Driveway	\$5,000.00 / EA	6	\$30,000
33	Earthwork	\$12.00 / CY	1,450	\$17,000
34	Construct PCC Pavement	\$15.00 / SF	0	\$0
35	Construct AC Pavement	\$14.00 / SF	13,800	\$193,000
36	Construct AC Overlay	\$3.00 / SF	0	\$0
37	Construct Slurry Seal	\$0.25 / SF	106,600	\$27,000
38	Construct Striping & Marking	\$4.00 / LF	1,420	\$6,000
39	Construct AC Dike	\$7.00 / LF	0	\$0
40	Construct Curb & Gutter	\$30.00 / LF	952	\$29,000
41	Construct Concrete Barrier	\$50.00 / LF	0	\$0
42	Construct Median Curb	\$20.00 / LF	750	\$15,000
43	Construct Median Concrete	\$10.00 / SF	2,370	\$24,000
44	Construct Median/Parkway Landscaping	\$10.00 / SF	0	\$0
45	Construct PCC Sidewalk	\$7.00 / SF	9,000	\$63,000
46	Construct Access Ramp	\$5,000.00 / EA	2	\$10,000
47	Construct Retaining Wall	\$50.00 / SF		\$0
48	Construct Storm Drain Main	\$100.00 / LF		\$0
49	Construct RCB	\$1,000.00 / LF		\$0
50	Construct Headwall	\$5,000.00 / EA		\$0
51	Construct Concrete V-Ditch	\$15.00 / LF		\$0
52	Construct Bridge Widening	\$500.00 / SF		\$0
53	Construct Parkway Landscaping/Irrigation	\$10.00 / SF		\$0
54	Construct Wall	\$70.00 / LF		\$0
55	Building/Structure Demolition (1 Story)	\$10.00 / SF	4,120	\$41,000
56	Traffic Control	8%	1	\$83,000
57	Drainage Items	10%	1	\$112,000
58	SWPPP Plan and Implementation	6%	1	\$74,000
CONSTRUCTION SUBTOTAL				\$1,448,000
	Right-of-Way	100 / SF	6,840	\$684,000
	Right-of-Way Management	5 / %		\$34,000
RIGHT-OF-WAY SUBTOTAL				\$718,000
TOTAL CONSTRUCTION & RIGHT-OF-WAY COST				\$2,166,000
Preliminary Project Development (10% of total Construction/RW cost)				\$217,000
Design Engineering/Administration Costs (15% of total Construction/RW cost)				\$325,000
Construction Engineering Signals/Administration (10% of total Construction/RW cost)				\$217,000
Contingency (20% of Total Construction/RW cost)				\$434,000
TOTAL PROJECT COSTS				\$3,359,000

**NEWPORT BEACH FAIRSHARE FEE PROGRAM UPDATE
PRELIMINARY COST ESTIMATES**

Location: Intersection # 9 MacArthur Blvd & Campus Dr
Mitigation: Add 2nd NB L lane, Add SB T/RT, Eliminate SB through

Date: 08/07/2007
Estimated by: S. Foster

	DESCRIPTION OF WORK	UNIT PRICE	QUANTITY	COST
1	Mobilization	10.00%	1	\$95,000
2	Clear & Grub	\$10,000.00 / AC	0.1	\$1,000
3	Remove Striping	\$10.00 / LF	1,300	\$13,000
4	Remove Curb & Gutter	\$30.00 / LF	850	\$26,000
5	Remove Median Curb	\$30.00 / LF	50	\$2,000
6	Remove PCC Sidewalk	\$7.00 / SF	2,950	\$21,000
7	Remove Pavement	\$4.00 / SF	0	\$0
8	Remove Wall	\$10.00 / LF	0	\$0
9	Remove Channel	\$15.00 / LF	0	\$0
10	Remove/Replace Chain Link Fence	\$50.00 / LF	0	\$0
11	Reconstruct Metal Beam Guard Rail	\$70.00 / LF	0	\$0
12	Remove & Relocate Tree	\$3,000.00 / EA	15	\$45,000
13	Sawcut	\$1.00 / LF	850	\$1,000
14	Relocate Street Light	\$7,500.00 / EA	3	\$23,000
15	Relocate Traffic Signal System	\$300,000.00 / EA	1	\$300,000
16	Relocate Freeway Sign (2 post)	\$1,000.00 / EA	0	\$0
17	Relocate Sign (1 Post)	\$300.00 / EA	3	\$1,000
18	Reconstruct Overhead Sign	\$50,000.00 / EA	0	\$0
19	Relocate Call Box	\$2,000.00 / EA	0	\$0
20	Relocate Power Pole (wooden)	\$25,000.00 / EA	0	\$0
21	Relocate Catch Basin	\$8,000.00 / EA	1	\$8,000
22	Relocate Fire Hydrant	\$2,500.00 / EA	3	\$8,000
23	Relocate Bus Bench	\$600.00 / EA	0	\$0
24	Relocate Monument Wall	\$5,000.00 / EA	0	\$0
25	Relocate Utility Boxes	\$500.00 / EA	9	\$5,000
26	Relocate Main Water Valve	\$5,000.00 / EA	0	\$0
27	Relocate Utility Vault	\$3,000.00 / EA	3	\$9,000
28	Adjust Manhole to Grade	\$1,500.00 / EA	1	\$2,000
29	Adjust Water Meter	\$500.00 / EA	0	\$0
30	Adjust Water Valve	\$500.00 / EA	0	\$0
31	Adjust Minor Above Ground Utilities	\$500.00 / EA	1	\$1,000
32	Modify Driveway	\$5,000.00 / EA	8	\$40,000
33	Earthwork	\$12.00 / CY	500	\$6,000
34	Construct PCC Pavement	\$15.00 / SF	0	\$0
35	Construct AC Pavement	\$14.00 / SF	5,000	\$70,000
36	Construct AC Overlay	\$3.00 / SF	0	\$0
37	Construct Slurry Seal	\$0.25 / SF	72,200	\$18,000
38	Construct Striping & Marking	\$4.00 / LF	1,300	\$5,000
39	Construct AC Dike	\$7.00 / LF	0	\$0
40	Construct Curb & Gutter	\$30.00 / LF	850	\$26,000
41	Construct Concrete Barrier	\$50.00 / LF	0	\$0
42	Construct Median Curb	\$20.00 / LF	50	\$1,000
43	Construct Median Concrete	\$10.00 / SF	120	\$1,000
44	Construct Median/Parkway Landscaping	\$10.00 / SF	0	\$0
45	Construct PCC Sidewalk	\$7.00 / SF	2,750	\$19,000
46	Construct Access Ramp	\$5,000.00 / EA	5	\$25,000
47	Construct Retaining Wall	\$50.00 / SF	0	\$0
48	Construct Storm Drain Main	\$100.00 / LF	0	\$0
49	Construct RCB	\$1,000.00 / LF	0	\$0
50	Construct Headwall	\$5,000.00 / EA	0	\$0
51	Construct Concrete V-Ditch	\$15.00 / LF	0	\$0
52	Construct Bridge Widening	\$500.00 / SF	0	\$0
53	Construct Parkway Landscaping/Irrigation	\$10.00 / SF	0	\$0
54	Construct Wall	\$70.00 / LF	0	\$0
55	Building/Structure Demolition (1 Story)	\$10.00 / SF	0	\$0
56	Traffic Control	8%	1	\$54,000
57	Drainage Items	10%	1	\$73,000
58	SWPPP Plan and Implementation	6%	1	\$48,000
	CONSTRUCTION SUBTOTAL			\$947,000
	Right-of-Way	100 / SF	4,000	\$400,000
	Right-of-Way Management	5 / %	1	\$20,000
	RIGHT-OF-WAY SUBTOTAL			\$420,000
	TOTAL CONSTRUCTION & RIGHT-OF-WAY COST			\$1,367,000
	Preliminary Project Development (10% of total Construction/RW cost)			\$137,000
	Design Engineering/Administration Costs (15% of total Construction/RW cost)			\$206,000
	Construction Engineering Costs/Administration (10% of total Construction/RW cost)			\$137,000
	Contingency (20% of Total Construction/RW cost)			\$274,000
	TOTAL PROJECT COSTS			\$2,121,000

**NEWPORT BEACH FAIRSHARE FEE PROGRAM UPDATE
PRELIMINARY COST ESTIMATES**

Location: Intersection #13 Jamboree Rd & Campus Dr
Mitigation: Eliminate EB Free RT lane, Add NB RT lane, Add 4th SB T lane

Date: 08/07/2007
Estimated by: S. Foster/J. McNeill

	DESCRIPTION OF WORK	UNIT PRICE	QUANTITY	COST
1	Mobilization	10.00%		\$129,000
2	Clear & Grub	\$10,000.00 / AC	0.3	\$3,000
3	Remove Striping	\$10.00 / LF	750	\$8,000
4	Remove Curb & Gutter	\$30.00 / LF	1,050	\$32,000
5	Remove Median Curb	\$30.00 / LF	0	\$0
6	Remove PCC Sidewalk	\$7.00 / SF	2,400	\$17,000
7	Remove Pavement	\$4.00 / SF	1,000	\$4,000
8	Remove Wall	\$10.00 / LF	0	\$0
9	Remove Channel	\$15.00 / LF	0	\$0
10	Remove/Replace Chain Link Fence	\$50.00 / LF	0	\$0
11	Reconstruct Metal Beam Guard Rail	\$70.00 / LF	0	\$0
12	Remove & Relocate Tree	\$3,000.00 / EA	14	\$42,000
13	Sawcut	\$1.00 / LF	1,050	\$1,000
14	Relocate Street Light	\$7,500.00 / EA	4	\$30,000
15	Relocate Traffic Signal System	\$300,000.00 / EA	1	\$300,000
16	Relocate Freeway Sign (2 post)	\$1,000.00 / EA	0	\$0
17	Relocate Sign (1 Post)	\$300.00 / EA	2	\$1,000
18	Reconstruct Overhead Sign	\$50,000.00 / EA	0	\$0
19	Relocate Power Pole (Wood)	\$25,000.00 / EA	3	\$75,000
20	Relocate Power Pole (Steel)	\$100,000.00 / EA	1	\$100,000
21	Relocate Catch Basin	\$8,000.00 / EA	0	\$0
22	Relocate Fire Hydrant	\$2,500.00 / EA	0	\$0
23	Relocate Bus Bench	\$600.00 / EA	0	\$0
24	Relocate Monument Wall	\$5,000.00 / EA	0	\$0
25	Relocate Utility Boxes	\$500.00 / EA	9	\$5,000
26	Relocate Main Water Valve	\$5,000.00 / EA	0	\$0
27	Relocate Utility Vault	\$3,000.00 / EA	2	\$6,000
28	Adjust Manhole to Grade	\$1,500.00 / EA	7	\$11,000
29	Adjust Water Meter	\$500.00 / EA	6	\$3,000
30	Adjust Water Valve	\$500.00 / EA	0	\$0
31	Adjust Minor Above Ground Utilities	\$500.00 / EA	1	\$1,000
32	Modify Driveway	\$5,000.00 / EA	2	\$10,000
33	Earthwork	\$12.00 / CY	900	\$11,000
34	Construct PCC Pavement	\$15.00 / SF	0	\$0
35	Construct AC Pavement	\$14.00 / SF	14,150	\$198,000
36	Construct AC Overlay	\$3.00 / SF	0	\$0
37	Construct Slurry Seal	\$0.25 / SF	4,000	\$1,000
38	Construct Striping & Marking	\$4.00 / LF	750	\$3,000
39	Construct AC Dike	\$7.00 / LF	0	\$0
40	Construct Curb & Gutter	\$30.00 / LF	900	\$27,000
41	Construct Concrete Barrier	\$50.00 / LF	0	\$0
42	Construct Median Curb	\$20.00 / LF	0	\$0
43	Construct Median Concrete	\$10.00 / SF	0	\$0
44	Construct Median/Parkway Landscaping	\$10.00 / SF	0	\$0
45	Construct PCC Sidewalk	\$7.00 / SF	1,860	\$13,000
46	Construct Access Ramp	\$5,000.00 / EA	4	\$20,000
47	Construct Retaining Wall	\$50.00 / SF	0	\$0
48	Construct Storm Drain Main	\$100.00 / LF	0	\$0
49	Construct RCB	\$1,000.00 / LF	0	\$0
50	Construct Headwall	\$5,000.00 / EA	0	\$0
51	Construct Concrete V-Ditch	\$15.00 / LF	0	\$0
52	Construct Bridge Widening	\$500.00 / SF	0	\$0
53	Construct Parkway Landscaping/Irrigation	\$10.00 / SF	0	\$0
54	Construct Wall	\$70.00 / LF	0	\$0
55	Building/Structure Demolition (1 Story)	\$10.00 / SF	0	\$0
56	Traffic Control	8%	1	\$74,000
57	Drainage Items	10%	1	\$100,000
58	SWPPP Plan and Implementation	6%	1	\$66,000
CONSTRUCTION SUBTOTAL				\$1,291,000
	Right-of-Way	100 / SF	6,100	\$610,000
	Right-of-Way Management	5 / %		\$31,000
RIGHT-OF-WAY SUBTOTAL				\$641,000
TOTAL CONSTRUCTION & RIGHT-OF-WAY COST				\$1,932,000
Preliminary Project Development (10% of total Construction/RW cost)				\$194,000
Design Engineering/Administration Costs (15% of total Construction/RW cost)				\$290,000
Construction Engineering Costs/Administration (10% of total Construction/RW cost)				\$194,000
Contingency (20% of Total Construction/RW cost)				\$387,000
TOTAL PROJECT COSTS				\$2,997,000

**NEWPORT BEACH FAIRSHARE FEE PROGRAM UPDATE
PRELIMINARY COST ESTIMATES**

Location: Intersection #15 Campus Dr & Bristol St North
Mitigation: Add 4th NB T Lane, Add 3rd SB RT Lane, Add 5th WB T Lane

Date: 08/07/2007
Estimated by: J. McNeill

	DESCRIPTION OF WORK	UNIT PRICE	QUANTITY	COST
1	Mobilization	10.00%		\$962,000
2	Clear & Grub	\$10,000.00 / AC	1.0	\$10,000
3	Remove Striping	\$10.00 / LF	1,400	\$14,000
4	Remove Curb & Gutter	\$30.00 / LF	3,500	\$105,000
5	Remove Median Curb	\$30.00 / LF	1,060	\$32,000
6	Remove PCC Sidewalk	\$7.00 / SF	14,700	\$103,000
7	Remove Pavement	\$4.00 / SF	0	\$0
8	Remove Wall	\$10.00 / LF	250	\$3,000
9	Remove Channel	\$15.00 / LF	0	\$0
10	Remove/Replace Chain Link Fence	\$50.00 / LF	600	\$30,000
11	Reconstruct Metal Beam Guard Rail	\$70.00 / LF	75	\$5,000
12	Remove & Relocate Tree	\$3,000.00 / EA	125	\$375,000
13	Sawcut	\$1.00 / LF	4,170	\$4,000
14	Relocate Street Light	\$7,500.00 / EA	4	\$30,000
15	Relocate Traffic Signal System	\$300,000.00 / EA	2	\$525,000
16	Relocate Freeway Sign (2 post)	\$1,000.00 / EA	0	\$0
17	Relocate Sign (1 Post)	\$300.00 / EA	20	\$6,000
18	Reconstruct Overhead Sign	\$50,000.00 / EA	1	\$50,000
19	Relocate Call Box	\$2,000.00 / EA	0	\$0
20	Relocate Power Pole (Wood)	\$25,000.00 / EA	0	\$0
21	Relocate Catch Basin	\$8,000.00 / EA	5	\$40,000
22	Relocate Fire Hydrant	\$2,500.00 / EA	4	\$10,000
23	Relocate Bus Bench	\$600.00 / EA	1	\$1,000
24	Relocate Monument Wall	\$5,000.00 / EA	1	\$5,000
25	Relocate Utility Boxes	\$500.00 / EA	22	\$11,000
26	Relocate Main Water Valve	\$5,000.00 / EA	0	\$0
27	Relocate Utility Vault	\$3,000.00 / EA	1	\$3,000
28	Relocate Water Facility	\$200,000.00 / LS	1	\$200,000
29	Relocate Electrical Facility	\$100,000.00 / LS	1	\$100,000
30	Adjust Manhole to Grade	\$1,500.00 / EA	1	\$2,000
31	Adjust Water Meter	\$500.00 / EA	12	\$6,000
32	Modify Driveway	\$5,000.00 / EA	9	\$45,000
33	Earthwork	\$12.00 / CY	6,400	\$77,000
34	Construct PCC Pavement	\$15.00 / SF	0	\$0
35	Construct AC Pavement	\$14.00 / SF	48,500	\$679,000
36	Construct AC Overlay	\$3.00 / SF	0	\$0
37	Construct Slurry Seal	\$0.25 / SF	101,610	\$25,000
38	Construct Striping & Marking	\$4.00 / LF	2,350	\$9,000
39	Construct AC Dike	\$7.00 / LF	0	\$0
40	Construct Curb & Gutter	\$30.00 / LF	3,300	\$99,000
41	Construct Concrete Barrier	\$50.00 / LF	0	\$0
42	Construct Median Curb	\$20.00 / LF	950	\$19,000
43	Construct Median Concrete	\$10.00 / SF	0	\$0
44	Construct Median/Parkway Landscaping	\$10.00 / SF	0	\$0
45	Construct PCC Sidewalk	\$7.00 / SF	14,700	\$103,000
46	Construct Access Ramp	\$5,000.00 / EA	5	\$25,000
47	Construct Retaining Wall	\$50.00 / SF	0	\$0
48	Construct Storm Drain Main	\$100.00 / LF	0	\$0
49	Construct RCB	\$1,000.00 / LF	0	\$0
50	Construct Headwall	\$5,000.00 / EA	0	\$0
51	Construct Concrete V-Ditch	\$15.00 / LF	0	\$0
52	Construct Bridge Widening	\$500.00 / SF	7,600	\$3,800,000
53	Construct Parkway Landscaping/Irrigation	\$10.00 / SF	26,150	\$262,000
54	Construct Wall	\$70.00 / LF	0	\$0
55	Building/Structure Demolition (1 Story)	\$10.00 / SF	6,600	\$66,000
56	Traffic Control	8%	1	\$550,000
57	Drainage Items	10%	1	\$743,000
58	SWPPP Plan and Implementation	6%	1	\$490,000
CONSTRUCTION SUBTOTAL				\$9,624,000
	Right-of-Way	100 / SF	10,250	\$1,025,000
	Right-of-Way Management	5 / %		\$51,000
RIGHT-OF-WAY SUBTOTAL				\$1,076,000
TOTAL CONSTRUCTION & RIGHT-OF-WAY COST				\$10,700,000
Preliminary Project Development (10% of total Construction/RW cost)				\$1,070,000
Design Engineering/Administration Costs (15% of total Construction/RW cost)				\$1,605,000
Construction Engineering Costs/Administration (10% of total Construction/RW cost)				\$1,070,000
Contingency (20% of Total Construction/RW cost)				\$2,140,000
TOTAL PROJECT COSTS				\$16,585,000



CITY OF NEWPORT BEACH

ENGINEER'S COST ESTIMATE
JAMBOREE ROAD/SR-73 OVERCROSSING

Item Number	Item Code	Item Description	Unit	Cost	PROJECT TOTAL	
					Estimated Quantities	Item Cost
1		EARTHWORK				
1.01	074017	Prepare Water Pollution Control Plan	LS	\$2,000	Lump Sum	\$2,000
1.02	074019	Prepare Storm Water Pollution Prevention Plan	LS	\$5,000	Lump Sum	\$5,000
1.03	074020	Water Pollution Control	LS	\$31,000	Lump Sum	\$31,000
1.04	170101	Develop Water Supply	LS	\$10,000	Lump Sum	\$10,000
1.05	190110	Lead Compliance Plan	LS	\$10,000	Lump Sum	\$10,000
1.06	160101	Clearing and Grubbing	LS	\$50,000	Lump Sum	\$50,000
1.07	190101	Roadway Excavation	CY	\$25	3,500	\$87,500
		- Subtotal -				\$193,500
2		ROADWAY ITEMS				
2.01	153214	Remove Concrete Curb (Median)	LF	\$5	1,830	\$9,150
2.02	153215	Remove Concrete (Curb and Gutter)	LF	\$8	1,330	\$10,640
2.03	153218	Remove Concrete Sidewalk	SF	\$3	11,310	\$33,930
2.04		Remove Median (Hardscape Area)	SF	\$2	5,680	\$11,360
2.05	150608	Remove Chain Link Fence	LF	\$15	45	\$675
2.06	160120	Remove Tree	EA	\$500	6	\$3,000
2.07		Remove Hand Rails	EA	\$100	2	\$200
2.08		Remove Concrete (Pad and Walls)	EA	\$350	1	\$350
2.09		Remove Concrete (Side Gutter)	LF	\$8	440	\$3,520
2.10	153221	Remove Concrete Barrier & Fence	LF	\$30	90	\$2,700
2.11		Remove Concrete (Curb Ramp)	EA	\$300	4	\$1,200
2.12	150662	Remove Metal Beam Guard Rail	LF	\$15	420	\$6,300
2.13	204031	Transplant Palm Tree	EA	\$3,000	4	\$12,000
2.14	152431	Adjust Storm Drain Manhole to Grade	EA	\$750	1	\$750
2.15		Adjust Water Vault Frame and Cover to Grade	EA	\$2,000	2	\$4,000
2.16		Relocate City Street Light	EA	\$7,500	6	\$45,000
2.17		Relocate Street Light Hand Hole and Conduit	EA	\$2,900	6	\$17,400
2.18		Relocate Back Bay Court Sign	EA	\$2,500	2	\$5,000
2.19		Exist Air Release Valve Can to be adjusted to grade by IRWD	EA	\$2,000	1	\$2,000
2.20		Exist Telephone Manhole to be adjusted to grade by AT&T	EA	\$1,000	1	\$1,000
2.21		Exist Water Valve to be adjusted to grade by IRWD	EA	\$1,000	1	\$1,000
2.22		Exist Electrical Vault to be adjusted to grade by SCE	EA	\$3,000	1	\$3,000
2.23		Exist Electrical Pullbox to be adjusted to grade by SCE	EA	\$900	1	\$900
2.24	250201	Class 2 Aggregate Subbase	CY	\$70	30	\$2,100
2.25	260201	Class 2 Aggregate Base	CY	\$70	560	\$39,200
2.26	390102	Asphalt Concrete (Type A)	TON	\$100	810	\$81,000
2.27	390171	Asphalt Concrete Base (Type A)	TON	\$90	100	\$9,000
2.28		Modified 8" Type C PCC Curb and Gutter	LF	\$18	400	\$7,200
2.29		8" Type C PCC Curb and Gutter	LF	\$18	760	\$13,680
2.30		8" Type B PCC Curb	LF	\$15	1,850	\$27,750
2.31		Concrete Side Gutter	LF	\$20	45	\$900
2.32		Concrete Retaining Curb and Gutter	LF	\$60	320	\$19,200
2.33	510509	Minor Concrete (Median Paving)	SF	\$10	3,800	\$38,000
2.34	731521	Minor Concrete (Sidewalk)	SF	\$8	9,800	\$78,400
2.35	731623	Minor Concrete (Curb Ramp)	EA	\$1,000	4	\$4,000
2.36		Modified Concrete Barrier (Type 26A) and Chain Link Fence	LF	\$120	100	\$12,000
2.37	839701	Concrete Barrier (Type 60)	LF	\$75	450	\$33,750
2.38		Type 6B Retaining Wall and Hand Railing	EA	\$400,000	1	\$400,000
2.39		Concrete Stairway and Hand Railing	EA	\$50,000	1	\$50,000
		- Subtotal -				\$991,255
3		DRAINAGE				
3.01	150820	Remove Inlet	EA	\$2,000	1	\$2,000
3.02	510502	Minor Concrete (Minor Structure)	CY	\$1,750	4	\$7,000
3.03	620909	18" AP	LF	\$250	26	\$6,500
		- Subtotal -				\$15,500
4		SPECIALTY ITEMS				
4.01	074026	Temporary Mulch	CF	1.00	10000	\$10,000
4.02		Temporary Median Drainage Swale	LS	10,000.00	1	\$10,000
4.03	074028	Temporary Fiber Roll	LF	5.00	5000	\$25,000
4.04	074031	Temporary Gravel Bag Berm	LF	20.00	5000	\$100,000
4.05	074041	Street Sweeping	LS	50,000.00	1	\$50,000
4.06	074038	Temporary Drainage Inlet Protection	EA	250.00	20	\$5,000
4.07	074033	Temporary Construction Entrance	EA	3,000.00	2	\$6,000
4.08	074028	Temporary Fiber Roll	LF	\$5	1000	\$5,000
4.09	074034	Temporary Cover	SF	\$0	4000	\$1,600
4.1	074032	Temporary Concrete Washout Facility	EA	\$2,000	1	\$2,000
4.11		Erosion Control/Hydro-seed	SF	\$1	15000	\$15,000
4.12	200001	Highway Planting	LS	\$25,838	Lump Sum	\$25,838
4.13	204099	Plant Establishment Work (250 Days) (CT R/W Only)	LS	\$12,000	Lump Sum	\$12,000
4.14	208731	8" CHDPE Pipe (Irrigation Sleeve)	FT	\$24	150	\$3,600



CITY OF NEWPORT BEACH
 ENGINEER'S COST ESTIMATE
 JAMBOREE ROAD/SR-73 OVERCROSSING

Item Number	Item Code	Item Description	Unit	Cost	PROJECT TOTAL	
					Estimated Quantities	Item Cost
4.15	208000	Irrigation System	LS	\$31,198	Lump Sum	\$31,198
4.16	66208	Repair Existing Irrigation System	LS	\$500	Lump Sum	\$500
4.17	66230	Apply Pesticides	LS	\$500	Lump Sum	\$500
4.18	999999	Mobilization	LS	\$196,681	Lump Sum	\$196,681
		- Sub total -				\$232,479
5		TRAFFIC ITEMS				
5.01	120100	Construction Traffic Control System	LS	\$177,800	Lump Sum	\$177,800
5.02		Signal & Lighting Jamboree Road and Bristol Street	LS	\$80,000	Lump Sum	\$80,000
5.03		Signal & Lighting Jamboree Road and Bristol Street North	LS	\$80,000	Lump Sum	\$80,000
5.04		Lighting & Sign Illumination	LS	\$0	Lump Sum	\$0
5.05		Pavement Delineation	LS	\$29,000	Lump Sum	\$29,000
5.06		Remove Existing Striping	LS	\$8,200	Lump Sum	\$8,200
5.07	861503	Modify Lighting (Bridge)	LS	\$61,500	Lump Sum	\$61,500
5.08		Remove Bridge Mounted Overhead Sign	LS	\$5,000	Lump Sum	\$5,000
5.09		Bridge Mounted Overhead Sign	LS	\$85,880	Lump Sum	\$85,880
5.1		Roadway Signage	LS	\$6,700	Lump Sum	\$6,700
		- Sub total -				\$534,080
6		STRUCTURAL ITEMS				
6.01		Jamboree Road Bridge Widening	LS	\$2,000,000	Lump Sum	\$2,000,000
		- Sub total -				\$2,730,360
		SUBTOTAL ROADWAY & STRUCTURAL ITEMS				\$4,464,695
		10% Contingency				\$446,470
		TOTAL PROJECT COSTS				\$4,911,165

**NEWPORT BEACH FAIRSHARE FEE PROGRAM UPDATE
PRELIMINARY COST ESTIMATES**

Location: Intersection #49 MacArthur Blvd & Ford Rd/Bonita Canyon Dr
Mitigation: Add 3rd NB RT lane, Eliminate NB Free RT lane, Add NB RT lane

Date: 08/07/2007
Estimated by: P. Chao

	DESCRIPTION OF WORK	UNIT PRICE	QUANTITY	COST
1	Mobilization	10.00%		\$122,000
2	Clear & Grub	\$10,000.00 / AC	0.10	\$1,000
3	Remove Striping	\$10.00 / LF	1,760	\$18,000
4	Remove Curb & Gutter	\$30.00 / LF	1,230	\$37,000
5	Remove Median Curb	\$30.00 / LF	1,060	\$32,000
6	Remove PCC Sidewalk and Median	\$7.00 / SF	19,650	\$138,000
7	Remove Pavement	\$4.00 / SF	2,750	\$11,000
8	Remove Wall	\$10.00 / LF	0	\$0
9	Remove Channel	\$15.00 / LF	0	\$0
10	Remove/Replace Chain Link Fence	\$50.00 / LF	0	\$0
11	Reconstruct Metal Beam Guard Rail	\$70.00 / LF	0	\$0
12	Remove & Relocate Tree	\$3,000.00 / EA	0	\$0
13	Sawcut	\$1.00 / LF	2,290	\$2,000
14	Relocate Street Light	\$7,500.00 / EA	5	\$38,000
15	Relocate Traffic Signal System	\$300,000.00 / EA	0.5	\$150,000
16	Relocate Freeway Sign (2 post)	\$1,000.00 / EA	0	\$0
17	Relocate Sign (1 Post)	\$300.00 / EA	3	\$1,000
18	Reconstruct Overhead Sign	\$50,000.00 / EA	0	\$0
19	Relocate Call Box	\$2,000.00 / EA	0	\$0
20	Relocate Power Pole (Wood)	\$25,000.00 / EA	1	\$25,000
21	Relocate Catch Basin	\$8,000.00 / EA	1	\$8,000
22	Relocate Fire Hydrant	\$2,500.00 / EA	2	\$5,000
23	Relocate Bus Bench	\$600.00 / EA	0	\$0
24	Relocate Monument Wall	\$5,000.00 / EA	0	\$0
25	Relocate Utility Boxes	\$500.00 / EA	16	\$8,000
26	Relocate Main Water Valve	\$5,000.00 / EA	0	\$0
27	Relocate Utility Vault	\$3,000.00 / EA	1	\$3,000
28	Adjust Manhole to Grade	\$1,500.00 / EA	5	\$8,000
29	Adjust Water Meter	\$500.00 / EA	0	\$0
30	Adjust Water Valve	\$500.00 / EA	0	\$0
31	Adjust Minor Above Ground Utilities	\$500.00 / EA	0	\$0
32	Modify Driveway	\$5,000.00 / EA	0	\$0
33	Earthwork	\$12.00 / CY	800	\$10,000
34	Construct PCC Pavement	\$15.00 / SF	0	\$0
35	Construct AC Pavement	\$14.00 / SF	10,400	\$146,000
36	Construct AC Overlay	\$3.00 / SF	0	\$0
37	Construct Slurry Seal	\$0.25 / SF	117,000	\$29,000
38	Construct Striping & Marking	\$4.00 / LF	1,760	\$7,000
39	Construct AC Dike	\$7.00 / LF	0	\$0
40	Construct Curb & Gutter	\$30.00 / LF	1,230	\$37,000
41	Construct Concrete Barrier	\$50.00 / LF	0	\$0
42	Construct Median Curb	\$20.00 / LF	1,060	\$21,000
43	Construct Median Concrete	\$10.00 / SF	1,250	\$13,000
44	Construct Median/Parkway Landscaping	\$10.00 / SF		\$0
45	Construct PCC Sidewalk	\$7.00 / SF	14,760	\$103,000
46	Construct Access Ramp	\$5,000.00 / EA	4	\$20,000
47	Construct Retaining Wall	\$50.00 / SF	0	\$0
48	Construct Storm Drain Main	\$100.00 / LF	0	\$0
49	Construct RCB	\$1,000.00 / LF	0	\$0
50	Construct Headwall	\$5,000.00 / EA	0	\$0
51	Construct Concrete V-Ditch	\$15.00 / LF	0	\$0
52	Construct Bridge Widening	\$500.00 / SF	0	\$0
53	Construct Parkway Landscaping/Irrigation	\$10.00 / SF	0	\$0
54	Construct Wall	\$70.00 / LF	0	\$0
55	Building/Structure Demolition (1 Story)	\$10.00 / SF	0	\$0
56	Traffic Control	8%	1	\$70,000
57	Drainage Items	10%	1	\$94,000
58	SWPPP Plan and Implementation	6%	1	\$62,000
	CONSTRUCTION SUBTOTAL			\$1,219,000
	Right-of-Way	100 / SF	4,800	\$480,000
	Right-of-Way Management	5 / %		\$24,000
	RIGHT-OF-WAY SUBTOTAL			\$504,000
	TOTAL CONSTRUCTION & RIGHT-OF-WAY COST			\$1,723,000
	Preliminary Project Development (10% of total Construction/RW cost)			\$173,000
	Design Engineering/Administration Costs (15% of total Construction/RW cost)			\$259,000
	Construction Engineering Costs/Administration (10% of total Construction/RW cost)			\$173,000
	Contingency (20% of Total Construction/RW cost)			\$345,000
	TOTAL PROJECT COSTS			\$2,673,000

**NEWPORT BEACH FAIRSHARE FEE PROGRAM UPDATE
PRELIMINARY COST ESTIMATES**

Location: Intersection #50 MacArthur Blvd & San Joaquin Hills Rd

Date: 08/07/2007

Mitigation: Add 3rd SB LT, 3rd EB LT, EB RT, NB T, 2 WB RT, Eliminate NB RT, WB Free RT

Estimated by: P. Chao/J. McNeill

	DESCRIPTION OF WORK	UNIT PRICE	QUANTITY	COST
1	Mobilization	10.00%	1	\$179,000
2	Clear & Grub	\$10,000.00 / AC	0.15	\$2,000
3	Remove Striping	\$10.00 / LF	2,880	\$29,000
4	Remove Curb & Gutter	\$30.00 / LF	1,735	\$52,000
5	Remove Median Curb	\$30.00 / LF	1,415	\$42,000
6	Remove PCC Sidewalk	\$7.00 / SF	18,328	\$128,000
7	Remove Pavement	\$4.00 / SF	1,250	\$5,000
8	Remove Wall	\$10.00 / LF	0	\$0
9	Remove Channel	\$15.00 / LF	0	\$0
10	Remove/Replace Chain Link Fence	\$50.00 / LF	0	\$0
11	Reconstruct Metal Beam Guard Rail	\$70.00 / LF	0	\$0
12	Remove & Relocate Tree	\$3,000.00 / EA	11	\$33,000
13	Sawcut	\$1.00 / LF	2,880	\$3,000
14	Relocate Street Light	\$7,500.00 / EA	11	\$83,000
15	Relocate Traffic Signal System	\$300,000.00 / EA	1	\$225,000
16	Relocate Freeway Sign (2 post)	\$1,000.00 / EA	0	\$0
17	Relocate Sign (1 Post)	\$300.00 / EA	8	\$2,000
18	Reconstruct Overhead Sign	\$50,000.00 / EA	0	\$0
19	Relocate Cail Box	\$2,000.00 / EA	0	\$0
20	Relocate Power Pole (Steel)	\$25,000.00 / EA	1	\$25,000
21	Relocate Catch Basin	\$8,000.00 / EA	8	\$64,000
22	Relocate Fire Hydrant	\$2,500.00 / EA	0	\$0
23	Relocate Bus Bench	\$600.00 / EA	0	\$0
24	Relocate Monument Wall	\$5,000.00 / EA	2	\$10,000
25	Relocate Utility Boxes	\$500.00 / EA	6	\$3,000
26	Relocate Main Water Valve	\$5,000.00 / EA	0	\$0
27	Relocate Utility Vault	\$3,000.00 / EA	0	\$0
28	Adjust Manhole to Grade	\$1,500.00 / EA	1	\$2,000
29	Adjust Water Meter	\$500.00 / EA	0	\$0
30	Adjust Water Valve	\$500.00 / EA	8	\$4,000
31	Adjust Minor Above Ground Utilities	\$500.00 / EA	0	\$0
32	Modify Driveway	\$5,000.00 / EA	0	\$0
33	Earthwork	\$12.00 / CY	2,779	\$33,000
34	Construct PCC Pavement	\$15.00 / SF	0	\$0
35	Construct AC Pavement	\$14.00 / SF	17,025	\$238,000
36	Construct AC Overlay	\$3.00 / SF	0	\$0
37	Construct Slurry Seal	\$0.25 / SF	122,100	\$31,000
38	Construct Striping & Marking	\$4.00 / LF	2,880	\$12,000
39	Construct AC Dike	\$7.00 / LF	0	\$0
40	Construct Curb & Gutter	\$30.00 / LF	1,735	\$52,000
41	Construct Concrete Barrier	\$50.00 / LF	0	\$0
42	Construct Median Curb	\$20.00 / LF	1,415	\$28,000
43	Construct Median Concrete	\$10.00 / SF	0	\$0
44	Construct Median/Parkway Landscaping	\$10.00 / SF	0	\$0
45	Construct PCC Sidewalk	\$7.00 / SF	20,447	\$143,000
46	Construct Access Ramp	\$5,000.00 / EA	6	\$30,000
47	Construct Retaining Wall	\$50.00 / SF	0	\$0
48	Construct Storm Drain Main	\$100.00 / LF	0	\$0
49	Construct RCB	\$1,000.00 / LF	0	\$0
50	Construct Headwall	\$5,000.00 / EA	0	\$0
51	Construct Concrete V-Ditch	\$15.00 / LF	0	\$0
52	Construct Bridge Widening	\$500.00 / SF	0	\$0
53	Construct Median/Parkway Landscaping	\$10.00 / SF	0	\$0
54	Construct Wall	\$70.00 / LF	0	\$0
55	Building/Structure Demolition (1 Story)	\$10.00 / SF	0	\$0
56	Traffic Control	8%	1	\$102,000
57	Drainage Items	10%	1	\$138,000
58	SWPPP Plan and Implementation	6%	1	\$91,000
	CONSTRUCTION SUBTOTAL			\$1,789,000
	Right-of-Way	100 / SF	12,240	\$1,224,000
	Right-of-Way Management	5 / %		\$61,000
	RIGHT-OF-WAY SUBTOTAL			\$1,285,000
	TOTAL CONSTRUCTION & RIGHT-OF-WAY COST			\$3,074,000
	Preliminary Project Development (10% of total Construction/RW cost)			\$308,000
	Design Engineering/Administration Costs (15% of total Construction/RW cost)			\$462,000
	Construction Engineering Costs/Administration (10% of total Construction/RW cost)			\$308,000
	Contingency (20% of Total Construction/RW cost)			\$615,000
	TOTAL PROJECT COSTS			\$4,767,000

**NEWPORT BEACH FAIRSHARE FEE PROGRAM UPDATE
PRELIMINARY COST ESTIMATES**

Location: Location A Coast Hwy - From Newport Boulevard to Dover Street
Mitigation: Construct Arterial

Date: 08/07/2007
Estimated by: C. Davis

	DESCRIPTION OF WORK	UNIT PRICE	QUANTITY	COST
1	Mobilization	10.00%		\$558,000
2	Clear & Grub	\$10,000.00 / AC	0.00	\$0
3	Remove Striping	\$10.00 / LF	0	\$0
4	Remove Curb & Gutter	\$30.00 / LF	5,475	\$164,000
5	Remove Median Curb	\$30.00 / LF	0	\$0
6	Remove PCC Sidewalk	\$7.00 / SF	35,270	\$247,000
7	Remove Pavement	\$4.00 / SF	64,710	\$259,000
8	Remove Wall	\$10.00 / LF	0	\$0
9	Remove Channel	\$15.00 / LF	0	\$0
10	Remove/Replace Chain Link Fence	\$50.00 / LF	0	\$0
11	Reconstruct Metal Beam Guard Rail	\$70.00 / LF	0	\$0
12	Remove & Relocate Tree	\$3,000.00 / EA	0	\$0
13	Sawcut	\$1.00 / LF	0	\$0
14	Install Street Light	\$7,500.00 / EA	40	\$300,000
15	Relocate Traffic Signal System	\$300,000.00 / EA	1	\$300,000
16	Relocate Freeway Sign (2 post)	\$1,000.00 / EA	0	\$0
17	Relocate Sign (1 Post)	\$300.00 / EA	0	\$0
18	Reconstruct Overhead Sign	\$50,000.00 / EA	0	\$0
19	Relocate Call Box	\$2,000.00 / EA	0	\$0
20	Relocate Power Pole (Wood)	\$25,000.00 / EA	6	\$150,000
21	Relocate Catch Basin	\$8,000.00 / EA	6	\$48,000
22	Relocate Fire Hydrant	\$2,500.00 / EA	0	\$0
23	Relocate Bus Bench	\$600.00 / EA	0	\$0
24	Relocate Monument Wall	\$5,000.00 / EA	0	\$0
25	Relocate Utility Boxes	\$500.00 / EA	0	\$0
26	Relocate Main Water Valve	\$5,000.00 / EA	0	\$0
27	Relocate Utility Vault	\$3,000.00 / EA	8	\$24,000
28	Adjust Manhole to Grade	\$1,500.00 / EA	0	\$0
29	Adjust Water Meter	\$500.00 / EA	0	\$0
30	Adjust Water Valve	\$500.00 / EA	0	\$0
31	Adjust Minor Above Ground Utilities	\$500.00 / EA	0	\$0
32	Modify Driveway	\$5,000.00 / EA	0	\$0
33	Earthwork	\$12.00 / CY	0	\$0
34	Construct PCC Pavement	\$15.00 / SF	0	\$0
35	Construct AC Pavement	\$14.00 / SF	70,800	\$991,000
36	Construct AC Overlay	\$3.00 / SF	0	\$0
37	Construct Slurry Seal	\$0.25 / SF	0	\$0
38	Construct Striping & Marking	\$4.00 / LF	5,330	\$21,000
39	Construct AC Dike	\$7.00 / LF	0	\$0
40	Construct Curb & Gutter	\$30.00 / LF	6,008	\$180,000
41	Construct Concrete Barrier	\$50.00 / LF	0	\$0
42	Construct Median Curb	\$20.00 / LF	13,100	\$262,000
43	Construct Median Concrete	\$10.00 / SF	7,480	\$75,000
44	Construct Median/Parkway Landscaping	\$10.00 / SF	50,000	\$500,000
45	Construct PCC Sidewalk	\$7.00 / SF	46,600	\$326,000
46	Construct Access Ramp	\$5,000.00 / EA	0	\$0
47	Construct Retaining Wall	\$50.00 / SF	0	\$0
48	Construct Storm Drain Main	\$100.00 / LF	0	\$0
49	Construct RCB	\$1,000.00 / LF	0	\$0
50	Construct Headwall	\$5,000.00 / EA	0	\$0
51	Construct Concrete V-Ditch	\$15.00 / LF	0	\$0
52	Construct Bridge Widening	\$500.00 / SF	0	\$0
53	Construct Parkway Landscaping/Irrigation	\$10.00 / SF	0	\$0
54	Construct Wall	\$70.00 / LF	0	\$0
55	Building/Structure Demolition (1 Story)	\$10.00 / SF	14,000	\$140,000
56	Traffic Control	8%	1	\$319,000
57	Drainage Items	10%	1	\$431,000
58	SWPPP Plan and Implementation	6%	1	\$284,000
	CONSTRUCTION SUBTOTAL			\$5,579,000
	Right-of-Way	100 / SF	79,160	\$7,916,000
	Right-of-Way Management	5 / %		\$396,000
	RIGHT-OF-WAY SUBTOTAL			\$8,312,000
	TOTAL CONSTRUCTION & RIGHT-OF-WAY COST			\$13,891,000
	Preliminary Project Development (10% of total Construction/RW cost)			\$1,390,000
	Design Engineering/Administration Costs (15% of total Construction/RW cost)			\$2,084,000
	Construction Engineering Costs/Administration (10% of total Construction/RW cost)			\$1,390,000
	Contingency (20% of Total Construction/RW cost)			\$2,779,000
	TOTAL PROJECT COSTS			\$21,534,000

**NEWPORT BEACH FAIRSHARE FEE PROGRAM UPDATE
PRELIMINARY COST ESTIMATES**

Location: Location B Irvine Ave
Mitigation: Widen Irvine Ave from University Drive to Mesa Street

Date: 08/07/2007
Estimated by: S. Foster

	DESCRIPTION OF WORK	UNIT PRICE	QUANTITY	COST
1	Mobilization	10.00% (\$2,000 Min)		\$332,000
2	Clear & Grub	\$10,000.00 / AC	0.11	\$1,000
3	Remove Striping	\$10.00 / LF	2,040	\$20,000
4	Remove Curb & Gutter	\$30.00 / LF	3,330	\$100,000
5	Remove Median Curb	\$30.00 / LF	1,100	\$33,000
6	Remove PCC Sidewalk	\$7.00 / SF	11,580	\$81,000
7	Remove Pavement	\$4.00 / SF	0	\$0
8	Remove Wall	\$10.00 / LF	500	\$5,000
9	Remove Channel	\$15.00 / LF	0	\$0
10	Remove/Replace Chain Link Fence	\$50.00 / LF	100	\$5,000
11	Reconstruct Metal Beam Guard Rail	\$70.00 / LF	0	\$0
12	Remove & Relocate Tree	\$3,000.00 / EA	22	\$66,000
13	Sawcut	\$1.00 / LF	4,460	\$4,500
14	Relocate Street Light	\$7,500.00 / EA	6	\$45,000
15	Relocate Traffic Signal System	\$300,000.00 / EA	1.0	\$300,000
16	Relocate Freeway Sign (2 post)	\$1,000.00 / EA	0	\$0
17	Relocate Sign (1 Post)	\$300.00 / EA	14	\$4,200
18	Reconstruct Overhead Sign	\$50,000.00 / EA	0	\$0
19	Relocate Call Box	\$2,000.00 / EA	0	\$0
20	Relocate Power Pole	\$25,000.00 / EA	15	\$375,000
21	Relocate Catch Basin	\$8,000.00 / EA	3	\$24,000
22	Relocate Fire Hydrant	\$2,500.00 / EA	10	\$25,000
23	Relocate Bus Shelter	\$2,000.00 / EA	3	\$6,000
24	Relocate Monument Sign	\$5,000.00 / EA	3	\$15,000
25	Relocate Utility Boxes	\$500.00 / EA	14	\$7,000
26	Relocate Main Water Valve	\$5,000.00 / EA	6	\$30,000
27	Relocate Utility Vault	\$3,000.00 / EA	13	\$39,000
28	Adjust Manhole to Grade	\$1,500.00 / EA	6	\$9,000
29	Adjust Water Meter	\$500.00 / EA	17	\$8,500
30	Adjust Water Valve	\$500.00 / EA	9	\$4,500
31	Adjust Minor Above Ground Utilities	\$500.00 / EA	5	\$3,000
32	Modify Driveway	\$5,000.00 / EA	10	\$50,000
33	Earthwork	\$12.00 / CY	4,910	\$59,000
34	Construct PCC Pavement	\$15.00 / SF	0	\$0
35	Construct AC Pavement	\$14.00 / SF	39,130	\$548,000
36	Construct AC Overlay	\$3.00 / SF	0	\$0
37	Construct Slurry Seal	\$0.25 / SF	95,500	\$24,000
38	Construct Striping & Marking	\$4.00 / LF	2,070	\$8,000
39	Construct AC Dike	\$7.00 / LF	0	\$0
40	Construct Curb & Gutter	\$30.00 / LF	4,130	\$124,000
41	Construct Concrete Barrier	\$50.00 / LF	0	\$0
42	Construct Median Curb	\$20.00 / LF	0	\$0
43	Construct Median Concrete	\$10.00 / SF	0	\$0
44	Construct Median/Parkway Landscaping	\$10.00 / SF	0	\$0
45	Construct PCC Sidewalk	\$7.00 / SF	32,820	\$230,000
46	Construct Access Ramp	\$5,000.00 / EA	16	\$80,000
47	Construct Retaining Wall	\$50.00 / SF	250	\$13,000
48	Construct Storm Drain Main	\$100.00 / LF	5	\$1,000
49	Construct RCB	\$1,000.00 / LF	0	\$0
50	Construct Headwall	\$5,000.00 / EA	0	\$0
51	Construct Concrete V-Ditch	\$15.00 / LF	0	\$0
52	Construct Bridge Widening	\$500.00 / SF	0	\$0
53	Construct Wall	\$70.00 / LF	300	\$21,000
54	Building/Structure Demolition (1 Story)	\$10.00 / SF	610	\$6,000
55	Traffic Control	8%	1	\$190,000
56	Drainage Items	10%	1	\$256,000
57	SWPPP Plan and Implementation	6%	1	\$168,000
	CONSTRUCTION SUBTOTAL			\$3,320,700
	Right-of-Way	100 / SF	21,880	\$2,188,000
	Right-of-Way Management	5 / %		\$109,000
	RIGHT-OF-WAY SUBTOTAL			\$2,297,000
	TOTAL CONSTRUCTION & RIGHT-OF-WAY COST			\$5,618,000
	Preliminary Project Development (10% of total Construction/RW cost)			\$562,000
	Design Engineering/Administration Costs (15% of total Construction/RW cost)			\$843,000
	Construction Engineering Costs/Administration (10% of total Construction/RW cost)			\$562,000
	Contingency (20% of Total Construction/RW cost)			\$1,124,000
	TOTAL PROJECT COSTS			\$8,709,000

**NEWPORT BEACH FAIRSHARE FEE PROGRAM UPDATE
PRELIMINARY COST ESTIMATES**

Location: Location C Bayside Dr & Coast Hwy
Mitigation: Add 4th EB T Lane

Date: 08/07/2007
Estimated by: J. McNeill

	DESCRIPTION OF WORK	UNIT PRICE	QUANTITY	COST
1	Mobilization	10.00%		\$164,000
2	Clear & Grub	\$10,000.00 / AC	0.25	\$3,000
3	Remove Striping	\$10.00 / LF	1,570	\$16,000
4	Remove Curb & Gutter	\$30.00 / LF	1,770	\$53,000
5	Remove Median Curb	\$30.00 / LF		\$0
6	Remove PCC Sidewalk	\$7.00 / SF	14,220	\$100,000
7	Remove Pavement	\$4.00 / SF	4,090	\$16,000
8	Remove Wall	\$10.00 / LF	380	\$4,000
9	Remove Channel	\$15.00 / LF	0	\$0
10	Remove/Replace Chain Link Fence	\$50.00 / LF	0	\$0
11	Reconstruct Metal Beam Guard Rail	\$70.00 / LF	0	\$0
12	Remove & Relocate Tree	\$3,000.00 / EA	12	\$36,000
13	Sawcut	\$1.00 / LF	1,770	\$2,000
14	Relocate Street Light	\$7,500.00 / EA	17	\$128,000
15	Relocate Traffic Signal System	\$300,000.00 / EA	0.5	\$150,000
16	Relocate Freeway Sign (2 post)	\$1,000.00 / EA	0	\$0
17	Relocate Sign (1 Post)	\$300.00 / EA	3	\$1,000
18	Reconstruct Overhead Sign	\$50,000.00 / EA	0	\$0
19	Relocate Call Box	\$2,000.00 / EA	0	\$0
20	Relocate Power Pole (Wood)	\$15,000.00 / EA	0	\$0
21	Relocate Catch Basin	\$8,000.00 / EA	2	\$16,000
22	Relocate Fire Hydrant	\$2,500.00 / EA	2	\$5,000
23	Relocate Bus Bench	\$600.00 / EA	0	\$0
24	Relocate Monument Wall	\$5,000.00 / EA	2	\$10,000
25	Relocate Utility Boxes	\$500.00 / EA	7	\$4,000
26	Relocate Main Water Valve	\$5,000.00 / EA	0	\$0
27	Relocate Utility Vault	\$3,000.00 / EA	1	\$3,000
28	Adjust Manhole to Grade	\$1,500.00 / EA	0	\$0
29	Adjust Water Meter	\$500.00 / EA	4	\$2,000
30	Adjust Water Valve	\$500.00 / EA	1	\$1,000
31	Adjust Minor Above Ground Utilities	\$500.00 / EA	0	\$0
32	Modify Driveway	\$5,000.00 / EA	4	\$20,000
33	Earthwork	\$12.00 / CY	1,600	\$19,000
34	Construct PCC Pavement	\$15.00 / SF	0	\$0
35	Construct AC Pavement	\$14.00 / SF	18,670	\$261,000
36	Construct AC Overlay	\$3.00 / SF	0	\$0
37	Construct Slurry Seal	\$0.25 / SF	0	\$0
38	Construct Striping & Marking	\$4.00 / LF	1,570	\$6,000
39	Construct AC Dike	\$7.00 / LF	0	\$0
40	Construct Curb & Gutter	\$30.00 / LF	1,700	\$51,000
41	Construct Concrete Barrier	\$50.00 / LF	0	\$0
42	Construct Median Curb	\$20.00 / LF	0	\$0
43	Construct Median Concrete	\$10.00 / SF	0	\$0
44	Construct Median/Parkway Landscaping	\$10.00 / SF	0	\$0
45	Construct PCC Sidewalk	\$7.00 / SF	13,810	\$97,000
46	Construct Access Ramp	\$5,000.00 / EA	4	\$20,000
47	Construct Retaining Wall	\$50.00 / SF	3,000	\$150,000
48	Construct Storm Drain Main	\$100.00 / LF	0	\$0
49	Construct RCB	\$1,000.00 / LF	0	\$0
50	Construct Headwall	\$5,000.00 / EA	0	\$0
51	Construct Concrete V-Ditch	\$15.00 / LF	0	\$0
52	Construct Bridge Widening	\$500.00 / SF	1	\$1,000
53	Construct Parkway Landscaping/Irrigation	\$10.00 / SF	0	\$0
54	Construct Wall	\$70.00 / LF	0	\$0
55	Building/Structure Demolition (1 Story)	\$10.00 / SF	0	\$0
56	Traffic Control	8%	1	\$94,000
57	Drainage Items	10%	1	\$127,000
58	SWPPP Plan and Implementation	6%	1	\$84,000
	CONSTRUCTION SUBTOTAL			\$1,644,000
	Right-of-Way	100 / SF	11,750	\$1,175,000
	Right-of-Way Management	5 / %		\$59,000
	RIGHT-OF-WAY SUBTOTAL			\$1,234,000
	TOTAL CONSTRUCTION & RIGHT-OF-WAY COST			\$2,878,000
	Preliminary Project Development (10% of total Construction/RW cost)			\$288,000
	Design Engineering/Administration Costs (15% of total Construction/RW cost)			\$432,000
	Construction Engineering Costs/Administration (10% of total Construction/RW cost)			\$288,000
	Contingency (20% of Total Construction/RW cost)			\$576,000
	TOTAL PROJECT COSTS			\$4,462,000

**NEWPORT BEACH FAIRSHARE FEE PROGRAM UPDATE
PRELIMINARY COST ESTIMATES**

Location: Location F Placentia Ave between Hospital Road & Superior

Date: 08/07/2007

Mitigation: Widen Placentia Between Hospital Rd and Superior Ave to Secondary Cross-Section

Estimated by: S. Foster

	DESCRIPTION OF WORK	UNIT PRICE	QUANTITY	COST
1	Mobilization	10.00%	1	\$164,000
2	Clear & Grub	\$10,000.00 / AC	0.40	\$4,000
3	Remove Striping	\$10.00 / LF	950	\$10,000
4	Remove Curb & Gutter	\$30.00 / LF	750	\$23,000
5	Remove Median Curb	\$30.00 / LF	0	\$0
6	Remove PCC Sidewalk	\$7.00 / SF	4,850	\$34,000
7	Remove Pavement	\$4.00 / SF	9,750	\$39,000
8	Remove Wall	\$10.00 / LF	0	\$0
9	Remove Channel	\$15.00 / LF	0	\$0
10	Remove/Replace Chain Link Fence	\$50.00 / LF	0	\$0
11	Reconstruct Metal Beam Guard Rail	\$70.00 / LF	0	\$0
12	Remove & Relocate Tree	\$3,000.00 / EA	28	\$84,000
13	Sawcut	\$1.00 / LF	1,500	\$1,500
14	Relocate Street Light	\$7,500.00 / EA	8	\$60,000
15	Relocate Traffic Signal System	\$300,000.00 / EA	1.0	\$300,000
16	Relocate Freeway Sign (2 post)	\$1,000.00 / EA	0	\$0
17	Relocate Sign (1 Post)	\$300.00 / EA	5	\$1,500
18	Reconstruct Overhead Sign	\$50,000.00 / EA	0	\$0
19	Relocate Call Box	\$2,000.00 / EA	0	\$0
20	Relocate Power Pole (Wood)	\$25,000.00 / EA	3	\$75,000
21	Relocate Catch Basin	\$8,000.00 / EA	2	\$16,000
22	Relocate Fire Hydrant	\$2,500.00 / EA	2	\$5,000
23	Relocate Bus Bench	\$600.00 / EA	1	\$1,000
24	Relocate Monument Sign	\$5,000.00 / EA	1	\$5,000
25	Relocate Utility Boxes	\$500.00 / EA	1	\$500
26	Relocate Main Water Valve	\$5,000.00 / EA	0	\$0
27	Relocate Utility Vault	\$3,000.00 / EA	5	\$15,000
28	Adjust Manhole to Grade	\$1,500.00 / EA	2	\$3,000
29	Adjust Water Meter	\$500.00 / EA	2	\$1,000
30	Adjust Water Valve	\$500.00 / EA	0	\$0
31	Adjust Minor Above Ground Utilities	\$500.00 / EA	0	\$0
32	Modify Driveway	\$5,000.00 / EA	4	\$20,000
33	Earthwork	\$12.00 / CY	1,200	\$14,000
34	Construct PCC Pavement	\$15.00 / SF	0	\$0
35	Construct AC Pavement	\$14.00 / SF	17,850	\$250,000
36	Construct AC Overlay	\$3.00 / SF	0	\$0
37	Construct Slurry Seal	\$0.25 / SF	32,350	\$8,000
38	Construct Striping & Marking	\$4.00 / LF	950	\$4,000
39	Construct AC Dike	\$7.00 / LF	0	\$0
40	Construct Curb & Gutter	\$30.00 / LF	1,570	\$47,000
41	Construct Concrete Barrier	\$50.00 / LF	0	\$0
42	Construct Median Curb	\$20.00 / LF	0	\$0
43	Construct Median Concrete	\$10.00 / SF	0	\$0
44	Construct Median/Parkway Landscaping	\$10.00 / SF	0	\$0
45	Construct PCC Sidewalk	\$7.00 / SF	18,500	\$130,000
46	Construct Access Ramp	\$5,000.00 / EA	4	\$20,000
47	Construct Retaining Wall	\$50.00 / SF	0	\$0
48	Construct Storm Drain Main	\$100.00 / LF	0	\$0
49	Construct RCB	\$1,000.00 / LF	0	\$0
50	Construct Headwall	\$5,000.00 / EA	0	\$0
51	Construct Concrete V-Ditch	\$15.00 / LF	0	\$0
52	Construct Bridge Widening	\$500.00 / SF	0	\$0
53	Construct Parkway Landscaping/Irrigation	\$10.00 / SF	0	\$0
54	Construct Wall	\$70.00 / LF	0	\$0
55	Building/Structure Demolition (1 Story)	\$10.00 / SF	0	\$0
56	Traffic Control	8%	1	\$94,000
57	Drainage Items	10%	1	\$127,000
58	SWPPP Plan and Implementation	6%	1	\$84,000
	CONSTRUCTION SUBTOTAL			\$1,640,500
	Right-of-Way	100 / SF	13,800	\$1,380,000
	Right-of-Way Management	5 / %		\$69,000
	RIGHT-OF-WAY SUBTOTAL			\$1,449,000
	TOTAL CONSTRUCTION & RIGHT-OF-WAY COST			\$3,090,000
	Preliminary Project Development (10% of total Construction/RW cost)			\$309,000
	Design Engineering/Administration Costs (15% of total Construction/RW cost)			\$464,000
	Construction Engineering Costs/Administration (10% of total Construction/RW cost)			\$309,000
	Contingency (20% of Total Construction/RW cost)			\$618,000
	TOTAL PROJECT COSTS			\$4,790,000

**NEWPORT BEACH FAIRSHARE FEE PROGRAM UPDATE
PRELIMINARY COST ESTIMATES**

Location: Location G 15th Street between Placentia Ave to Monrovia
Mitigation: Widen 15th Street to a 4 lane Secondary Cross-Section

Date: 08/07/2007
Estimated by: S. Foster

	DESCRIPTION OF WORK	UNIT PRICE	QUANTITY	COST
1	Mobilization	10.00%		\$242,000
2	Clear & Grub	\$10,000.00 / AC	1	\$5,000
3	Remove Striping	\$10.00 / LF	1,270	\$13,000
4	Remove Curb & Gutter	\$30.00 / LF	1,270	\$38,000
5	Remove Median Curb	\$30.00 / LF	0	\$0
6	Remove PCC Sidewalk	\$7.00 / SF	260	\$2,000
7	Remove Pavement	\$4.00 / SF	14,100	\$56,000
8	Remove Wall	\$10.00 / LF	510	\$5,000
9	Remove Channel	\$15.00 / LF	0	\$0
10	Remove/Replace Chain Link Fence	\$50.00 / LF	600	\$30,000
11	Reconstruct Metal Beam Guard Rail	\$70.00 / LF	0	\$0
12	Remove & Relocate Tree	\$3,000.00 / EA	10	\$30,000
13	Sawcut	\$1.00 / LF	1,270	\$1,300
14	Relocate Street Light	\$7,500.00 / EA	2	\$15,000
15	Relocate Traffic Signal System	\$300,000.00 / EA	0.5	\$150,000
16	Relocate Freeway Sign (2 post)	\$1,000.00 / EA	0	\$0
17	Relocate Sign (1 Post)	\$300.00 / EA	3	\$900
18	Reconstruct Overhead Sign	\$50,000.00 / EA	0	\$0
19	Relocate Call Box	\$2,000.00 / EA	0	\$0
20	Relocate Power Pole (wooden)	\$25,000.00 / EA	10	\$250,000
21	Relocate Catch Basin	\$8,000.00 / EA	2	\$16,000
22	Relocate Fire Hydrant	\$2,500.00 / EA	1	\$2,500
23	Relocate Bus Bench	\$600.00 / EA	0	\$0
24	Relocate Monument Sign	\$5,000.00 / EA	0	\$0
25	Relocate Utility Boxes	\$500.00 / EA	0	\$0
26	Relocate Main Water Valve	\$5,000.00 / EA	1	\$5,000
27	Relocate Utility Vault	\$3,000.00 / EA	1	\$3,000
28	Adjust Manhole to Grade	\$1,500.00 / EA	5	\$8,000
29	Adjust Water Meter	\$500.00 / EA	9	\$4,500
30	Adjust Water Valve	\$500.00 / EA	0	\$0
31	Adjust Minor Above Ground Utilities	\$500.00 / EA	0	\$0
32	Modify Driveway	\$5,000.00 / EA	1	\$5,000
33	Earthwork	\$12.00 / CY	3,200	\$38,000
34	Construct PCC Pavement	\$15.00 / SF	0	\$0
35	Construct AC Pavement	\$14.00 / SF	30,100	\$421,000
36	Construct AC Overlay	\$3.00 / SF	0	\$0
37	Construct Slurry Seal	\$0.25 / SF	49,230	\$12,000
38	Construct Striping & Marking	\$4.00 / LF	1,270	\$5,000
39	Construct AC Dike	\$7.00 / LF	0	\$0
40	Construct Curb & Gutter	\$30.00 / LF	1,310	\$39,000
41	Construct Concrete Barrier	\$50.00 / LF	0	\$0
42	Construct Median Curb	\$20.00 / LF	0	\$0
43	Construct Median Concrete	\$10.00 / SF	0	\$0
44	Construct Median/Parkway Landscaping	\$10.00 / SF	0	\$0
45	Construct PCC Sidewalk	\$7.00 / SF	10,000	\$70,000
46	Construct Access Ramp	\$5,000.00 / EA	4	\$20,000
47	Construct Retaining Wall	\$50.00 / SF	0	\$0
48	Construct Storm Drain Main	\$100.00 / LF	0	\$0
49	Construct RCB	\$1,000.00 / LF	0	\$0
50	Construct Headwall	\$5,000.00 / EA	0	\$0
51	Construct Concrete V-Ditch	\$15.00 / LF	0	\$0
52	Construct Bridge Widening	\$500.00 / SF	0	\$0
53	Construct Parkway Landscaping/Irrigation	\$10.00 / SF	0	\$0
54	Construct Wall	\$70.00 / LF	510	\$36,000
55	Building/Structure Demolition (Mobile Home)	\$30,000.00 / EA	15	\$450,000
56	Traffic Control	8%	1	\$138,000
57	Drainage Items	10%	1	\$187,000
58	SWPPP Plan and Implementation	6%	1	\$123,000
	CONSTRUCTION SUBTOTAL			\$2,421,200
	Right-of-Way	100 / SF	13,050	\$1,305,000
	Right-of-Way Management	5 / %		\$65,000
	RIGHT-OF-WAY SUBTOTAL			\$1,370,000
	TOTAL CONSTRUCTION & RIGHT-OF-WAY COST			\$3,792,000
	Preliminary Project Development (10% of total Construction/RW cost)			\$380,000
	Design Engineering/Administration Costs (15% of total Construction/RW cost)			\$569,000
	Construction Engineering Costs/Administration (10% of total Construction/RW cost)			\$380,000
	Contingency (20% of Total Construction/RW cost)			\$759,000
	TOTAL PROJECT COSTS			\$5,880,000

**NEWPORT BEACH FAIRSHARE FEE PROGRAM UPDATE
PRELIMINARY COST ESTIMATES**

Location: Location H MacArthur Blvd between Sly of San Miguel to Coast Hwy
Mitigation: Narrow median on MacArthur Blvd to provide a 6-lane Major

Date: 08/07/2007
Estimated by: J. McNeill

	DESCRIPTION OF WORK	UNIT PRICE	QUANTITY	COST
1	Mobilization	10.00%	1	\$172,000
2	Clear & Grub	\$10,000.00 / AC	0.90	\$9,000
3	Remove Striping	\$10.00 / LF	2,441	\$24,000
4	Remove Curb & Gutter	\$30.00 / LF	0	\$0
5	Remove Median Curb	\$30.00 / LF	5,300	\$159,000
6	Remove PCC in Median	\$7.00 / SF	14,365	\$101,000
7	Remove Pavement	\$4.00 / SF	3,201	\$13,000
8	Remove Wall	\$10.00 / LF	0	\$0
9	Remove Channel	\$15.00 / LF	0	\$0
10	Remove/Replace Chain Link Fence	\$50.00 / LF	0	\$0
11	Reconstruct Metal Beam Guard Rail	\$70.00 / LF	0	\$0
12	Remove & Relocate Tree	\$3,000.00 / EA	0	\$0
13	Sawcut	\$1.00 / LF	3,760	\$3,800
14	Relocate Street Light	\$7,500.00 / EA	0	\$0
15	Relocate Traffic Signal System	\$300,000.00 / EA	0.0	\$0
16	Relocate Freeway Sign (2 post)	\$1,000.00 / EA	4	\$4,000
17	Relocate Sign (1 Post)	\$300.00 / EA	4	\$1,200
18	Reconstruct Overhead Sign	\$50,000.00 / EA	0	\$0
19	Relocate Call Box	\$2,000.00 / EA	0	\$0
20	Relocate Power Pole	\$15,000.00 / EA	0	\$0
21	Relocate Catch Basin	\$8,000.00 / EA	1	\$8,000
22	Relocate Fire Hydrant	\$2,500.00 / EA	0	\$0
23	Relocate Bus Bench	\$600.00 / EA	0	\$0
24	Relocate Monument Sign	\$5,000.00 / EA	0	\$0
25	Relocate Utility Boxes	\$500.00 / EA	0	\$0
26	Relocate Main Water Valve	\$5,000.00 / EA	0	\$0
27	Relocate Utility Vault	\$3,000.00 / EA	3	\$9,000
28	Adjust Manhole to Grade	\$1,500.00 / EA	1	\$2,000
29	Adjust Water Meter	\$500.00 / EA	0	\$0
30	Adjust Water Valve	\$500.00 / EA	0	\$0
31	Adjust Minor Above Ground Utilities	\$500.00 / EA	0	\$0
32	Modify Driveway	\$5,000.00 / EA	0	\$0
33	Earth Work	\$12.00 / CY	4,450	\$53,000
34	Construct PCC Pavement	\$15.00 / SF	0	\$0
35	Construct AC Pavement	\$14.00 / SF	42,357	\$593,000
36	Construct AC Overlay	\$3.00 / SF	0	\$0
37	Construct Slurry Seal	\$0.25 / SF	0	\$0
38	Construct Striping & Marking	\$4.00 / LF	2,367	\$9,000
39	Construct AC Dike	\$7.00 / LF	0	\$0
40	Construct Curb & Gutter	\$30.00 / LF	0	\$0
41	Construct Concrete Barrier	\$50.00 / LF	0	\$0
42	Construct Median Curb	\$20.00 / LF	4,252	\$85,000
43	Construct Median Concrete	\$10.00 / SF	12,917	\$129,000
44	Construct Median/Parkway Landscaping	\$10.00 / SF	2,772	\$28,000
45	Construct PCC Sidewalk	\$7.00 / SF	0	\$0
46	Construct Access Ramp	\$5,000.00 / EA	0	\$0
47	Construct Retaining Wall	\$50.00 / SF	0	\$0
48	Construct Storm Drain Main	\$100.00 / LF	0	\$0
49	Construct RCB	\$1,000.00 / LF	0	\$0
50	Construct Headwall	\$5,000.00 / EA	0	\$0
51	Construct Concrete V-Ditch	\$15.00 / LF	0	\$0
52	Construct Bridge Widening	\$500.00 / SF	0	\$0
53	Construct Parkway Landscaping/Irrigation	\$10.00 / SF	0	\$0
54	Construct Wall	\$70.00 / LF	0	\$0
55	Building/Structure Demolition (1 Story)	\$10.00 / SF	0	\$0
56	Traffic Control	8%	1	\$98,000
57	Drainage Items	10%	1	\$133,000
58	SWPPP Plan and Implementation	6%	1	\$88,000
CONSTRUCTION SUBTOTAL				\$1,722,000
	Right-of-Way	100 / SF		\$0
	Right-of-Way Management	5 / %		\$0
RIGHT-OF-WAY SUBTOTAL				\$0
TOTAL CONSTRUCTION & RIGHT-OF-WAY COST				\$1,722,000
Preliminary Project Development (10% of total Construction/RW cost)				\$173,000
Design Engineering/Administration Costs (15% of total Construction/RW cost)				\$259,000
Construction Engineering Costs/Administration (10% of total Construction/RW cost)				\$173,000
Contingency (20% of Total Construction/RW cost)				\$345,000
TOTAL PROJECT COSTS				\$2,672,000

**NEWPORT BEACH FAIRSHARE FEE PROGRAM UPDATE
PRELIMINARY COST ESTIMATES**

Location: Location J Bluff Rd & 17th Street
Mitigation: Add NB Right Turn, NB Left Turn, WB Thru, WB Left Turn, EB Thru Right

Date: 08/07/2007
Estimated by: P. Chao

	DESCRIPTION OF WORK	UNIT PRICE	QUANTITY	COST
1	Mobilization	10.00%		\$96,000
2	Clear & Grub	\$10,000.00 / AC	1.00	\$10,000
3	Remove Striping	\$10.00 / LF	0	\$0
4	Remove Curb & Gutter	\$30.00 / LF	0	\$0
5	Remove Median Curb	\$30.00 / LF	0	\$0
6	Remove PCC Sidewalk	\$7.00 / SF	0	\$0
7	Remove Pavement	\$4.00 / SF	0	\$0
8	Remove Wall	\$10.00 / LF	0	\$0
9	Remove Channel	\$15.00 / LF	0	\$0
10	Remove/Replace Chain Link Fence	\$50.00 / LF	0	\$0
11	Reconstruct Metal Beam Guard Rail	\$70.00 / LF	0	\$0
12	Remove & Relocate Tree	\$3,000.00 / EA	0	\$0
13	Sawcut	\$1.00 / LF	60	\$0
14	Relocate Street Light	\$7,500.00 / EA	0	\$0
15	Relocate Traffic Signal System	\$300,000.00 / EA	0	\$0
16	Relocate Freeway Sign (2 post)	\$1,000.00 / EA	0	\$0
17	Relocate Sign (1 Post)	\$300.00 / EA	0	\$0
18	Reconstruct Overhead Sign	\$50,000.00 / EA	0	\$0
19	Relocate Call Box	\$2,000.00 / EA	0	\$0
20	Relocate Power Pole	\$15,000.00 / EA	0	\$0
21	Relocate Catch Basin	\$8,000.00 / EA	0	\$0
22	Relocate Fire Hydrant	\$2,500.00 / EA	0	\$0
23	Relocate Bus Bench	\$600.00 / EA	0	\$0
24	Relocate Monument Wall	\$5,000.00 / EA	0	\$0
25	Relocate Utility Boxes	\$500.00 / EA	0	\$0
26	Relocate Main Water Valve	\$5,000.00 / EA	0	\$0
27	Relocate Utility Vault	\$3,000.00 / EA	0	\$0
28	Adjust Manhole to Grade	\$1,500.00 / EA	0	\$0
29	Adjust Water Meter	\$500.00 / EA	0	\$0
30	Adjust Water Valve	\$500.00 / EA	0	\$0
31	Adjust Minor Above Ground Utilities	\$500.00 / EA	0	\$0
32	Modify Driveway	\$5,000.00 / EA	0	\$0
33	Earthwork	\$12.00 / CY	3,600	\$43,000
34	Construct PCC Pavement	\$15.00 / SF	0	\$0
35	Construct AC Pavement	\$14.00 / SF	33,400	\$468,000
36	Construct AC Overlay	\$3.00 / SF	0	\$0
37	Construct Slurry Seal	\$0.25 / SF	0	\$0
38	Construct Striping & Marking	\$4.00 / LF	750	\$3,000
39	Construct AC Dike	\$7.00 / LF	0	\$0
40	Construct Curb & Gutter	\$30.00 / LF	1,400	\$42,000
41	Construct Concrete Barrier	\$50.00 / LF	0	\$0
42	Construct Median Curb	\$20.00 / LF	60	\$1,000
43	Construct Median Concrete	\$10.00 / SF	100	\$1,000
44	Construct Median/Parkway Landscaping	\$10.00 / SF	100	\$1,000
45	Construct PCC Sidewalk	\$7.00 / SF	14,300	\$100,000
46	Construct Access Ramp	\$5,000.00 / EA	4	\$20,000
47	Construct Retaining Wall	\$50.00 / SF	0	\$0
48	Construct Storm Drain Main	\$100.00 / LF	0	\$0
49	Construct RCB	\$1,000.00 / LF	0	\$0
50	Construct Headwall	\$5,000.00 / EA	0	\$0
51	Construct Concrete V-Ditch	\$15.00 / LF	0	\$0
52	Construct Bridge Widening	\$500.00 / SF	0	\$0
53	Construct Parkway Landscaping/Irrigation	\$10.00 / SF	0	\$0
54	Construct Wall	\$70.00 / LF	0	\$0
55	Building/Structure Demolition (1 Story)	\$10.00 / SF	0	\$0
56	Traffic Control	8%	1	\$55,000
57	Drainage Items	10%	1	\$74,000
58	SWPPP Plan and Implementation	6%	1	\$49,000
	CONSTRUCTION SUBTOTAL			\$963,000
	Right-of-Way	100 / SF	47,700	\$4,770,000
	Right-of-Way Management	5 / %		\$239,000
	RIGHT-OF-WAY SUBTOTAL			\$5,009,000
	TOTAL CONSTRUCTION & RIGHT-OF-WAY COST			\$5,972,000
	Preliminary Project Development (10% of total Construction/RW cost)			\$598,000
	Design Engineering/Administration Costs (15% of total Construction/RW cost)			\$896,000
	Construction Engineering Costs/Administration (10% of total Construction/RW cost)			\$598,000
	Contingency (20% of Total Construction/RW cost)			\$1,195,000
	TOTAL PROJECT COSTS			\$9,259,000

**NEWPORT BEACH FAIRSHARE FEE PROGRAM UPDATE
PRELIMINARY COST ESTIMATES**

Location: Location K Bluff Road Extension

Date: 08/07/2007

Mitigation: Construct Bluff Road as a Primary from 17th St to Coast Hwy

Estimated by: P. Chao

	DESCRIPTION OF WORK	UNIT PRICE	QUANTITY	COST
1	Mobilization	10.00%		\$952,000
2	Clear & Grub	\$10,000.00 / AC	15.20	\$152,000
3	Remove Striping	\$10.00 / LF	0	\$0
4	Remove Curb & Gutter	\$30.00 / LF	0	\$0
5	Remove Median Curb	\$30.00 / LF	0	\$0
6	Remove PCC Sidewalk	\$7.00 / SF	0	\$0
7	Remove Pavement	\$4.00 / SF	0	\$0
8	Remove Wall	\$10.00 / LF	0	\$0
9	Remove Channel	\$15.00 / LF	0	\$0
10	Remove/Replace Chain Link Fence	\$50.00 / LF	0	\$0
11	Reconstruct Metal Beam Guard Rail	\$70.00 / LF	0	\$0
12	Remove & Relocate Tree	\$3,000.00 / EA	0	\$0
13	Sawcut	\$1.00 / LF	0	\$0
14	Relocate Street Light	\$7,500.00 / EA	0	\$0
15	Relocate Traffic Signal System	\$300,000.00 / EA	0	\$0
16	Relocate Freeway Sign (2 post)	\$1,000.00 / EA	0	\$0
17	Relocate Sign (1 Post)	\$300.00 / EA	0	\$0
18	Reconstruct Overhead Sign	\$50,000.00 / EA	0	\$0
19	Relocate Call Box	\$2,000.00 / EA	0	\$0
20	Relocate Power Pole	\$15,000.00 / EA	0	\$0
21	Relocate Catch Basin	\$8,000.00 / EA	0	\$0
22	Relocate Fire Hydrant	\$2,500.00 / EA	0	\$0
23	Relocate Bus Bench	\$600.00 / EA	0	\$0
24	Relocate Monument Wall	\$5,000.00 / EA	0	\$0
25	Relocate Utility Boxes	\$500.00 / EA	0	\$0
26	Relocate Main Water Valve	\$5,000.00 / EA	0	\$0
27	Relocate Utility Vault	\$3,000.00 / EA	0	\$0
28	Adjust Manhole to Grade	\$1,500.00 / EA	0	\$0
29	Adjust Water Meter	\$500.00 / EA	0	\$0
30	Adjust Water Valve	\$500.00 / EA	0	\$0
31	Adjust Minor Above Ground Utilities	\$500.00 / EA	0	\$0
32	Modify Driveway	\$5,000.00 / EA	0	\$0
33	Earthwork (*)	\$100.00 / LF	4,600	\$460,000
34	Construct PCC Pavement	\$15.00 / SF	0	\$0
35	Construct AC Pavement	\$14.00 / SF	312,800	\$4,379,000
36	Construct AC Overlay	\$3.00 / SF	0	\$0
37	Construct Slurry Seal	\$0.25 / SF	0	\$0
38	Construct Striping & Marking	\$4.00 / LF	4,600	\$18,000
39	Construct AC Dike	\$7.00 / LF	0	\$0
40	Construct Curb & Gutter	\$30.00 / LF	9,200	\$276,000
41	Construct Concrete Barrier	\$50.00 / LF	0	\$0
42	Construct Median Curb	\$20.00 / LF	9,200	\$184,000
43	Construct Median Concrete	\$10.00 / SF	970	\$10,000
44	Construct Median/Parkway Landscaping	\$10.00 / SF	68,350	\$683,000
45	Construct PCC Sidewalk	\$7.00 / SF	92,000	\$644,000
46	Construct Access Ramp	\$5,000.00 / EA	0	\$0
47	Construct Retaining Wall	\$50.00 / SF	0	\$0
48	Construct Storm Drain Main	\$100.00 / LF	0	\$0
49	Construct RCB	\$1,000.00 / LF	0	\$0
50	Construct Headwall	\$5,000.00 / EA	0	\$0
51	Construct Concrete V-Ditch	\$15.00 / LF	0	\$0
52	Construct Bridge Widening	\$500.00 / SF	0	\$0
53	Construct Parkway Landscaping/Irrigation	\$10.00 / SF	0	\$0
54	Construct Wall	\$70.00 / LF	0	\$0
55	Building/Structure Demolition (1 Story)	\$10.00 / SF	0	\$0
56	Traffic Control	8%	1	\$544,000
57	Drainage Items	10%	1	\$735,000
58	SWPPP Plan and Implementation	6%	1	\$485,000
	CONSTRUCTION SUBTOTAL			\$9,522,000
	Right-of-Way	100 / SF	468,200	\$46,820,000
	Right-of-Way Management	5 / %		\$2,341,000
	RIGHT-OF-WAY SUBTOTAL			\$49,161,000
	TOTAL CONSTRUCTION & RIGHT-OF-WAY COST			\$58,683,000
	Preliminary Project Development (10% of total Construction/RW cost)			\$5,869,000
	Design Engineering/Administration Costs (15% of total Construction/RW cost)			\$8,803,000
	Construction Engineering Costs/Administration (10% of total Construction/RW cost)			\$5,869,000
	Contingency (20% of Total Construction/RW cost)			\$11,737,000
	TOTAL PROJECT COSTS			\$90,961,000

NOTE: (*) The Unit Price of Earthwork of \$100.00/LF is based on 104 ft of road width from RW to RW, average depth of 10 ft for cut and fill and \$2.50/CY

**NEWPORT BEACH FAIRSHARE FEE PROGRAM UPDATE
PRELIMINARY COST ESTIMATES**

Location: Newport Blvd & Coast Hwy
Mitigation: Add 3rd EB T lane, Add 4th WB T lane, Modify Old Newport Blvd connection

Date: 1/17/2008
Estimated by: T. Keith

	DESCRIPTION OF WORK	UNIT PRICE	QUANTITY	COST
1	Mobilization	10.00%	1	\$797,000
2	Clear & Grub	\$10,000.00 / AC	1.2	\$12,000
3	Remove Striping	\$10.00 / LF	3,840	\$38,000
4	Remove Curb & Gutter	\$30.00 / LF	7,460	\$224,000
5	Remove Median Curb	\$30.00 / LF	975	\$29,000
6	Remove PCC Sidewalk	\$7.00 / SF	62,700	\$439,000
7	Remove Pavement	\$4.00 / SF	108,540	\$434,000
8	Remove Wall	\$10.00 / LF	565	\$6,000
9	Remove Channel	\$15.00 / LF	0	\$0
10	Remove/Replace Chain Link Fence	\$50.00 / LF	0	\$0
11	Reconstruct Metal Beam Guard Rail	\$70.00 / LF	0	\$0
12	Remove & Relocate Tree	\$3,000.00 / EA	46	\$138,000
13	Sawcut	\$1.00 / LF	6,060	\$6,000
14	Relocate Street Light	\$7,500.00 / EA	20	\$150,000
15	Relocate Traffic Signal System	\$300,000.00 / EA	1.5	\$450,000
16	Relocate Freeway Sign (2 post)	\$1,000.00 / EA	4	\$4,000
17	Relocate Sign (1 Post)	\$300.00 / EA	51	\$15,000
18	Remove Overhead Sign	\$5,000.00 / EA	2	\$10,000
19	Relocate Call Box	\$2,000.00 / EA	0	\$0
20	Relocate Power Pole	\$25,000.00 / EA	0	\$0
21	Relocate Catch Basin	\$8,000.00 / EA	23	\$184,000
22	Relocate Fire Hydrant	\$2,500.00 / EA	6	\$15,000
23	Relocate Bus Bench	\$600.00 / EA	1	\$1,000
24	Relocate Monument Wall	\$5,000.00 / EA	2	\$10,000
25	Relocate Utility Boxes	\$500.00 / EA	0	\$0
26	Relocate Main Water Valve	\$5,000.00 / EA	0	\$0
27	Relocate Utility Vault	\$3,000.00 / EA	0	\$0
28	Adjust Manhole to Grade	\$1,500.00 / EA	0	\$0
29	Adjust Water Meter	\$500.00 / EA	0	\$0
30	Adjust Water Valve	\$500.00 / EA	0	\$0
31	Adjust Minor Above Ground Utilities	\$500.00 / EA	0	\$0
32	Modify Driveway	\$5,000.00 / EA	10	\$50,000
33	Earthwork	\$12.00 / CY	16,320	\$196,000
34	Construct PCC Pavement	\$15.00 / SF	0	\$0
35	Construct AC Pavement	\$14.00 / SF	129,700	\$1,816,000
36	Construct AC Overlay	\$3.00 / SF	0	\$0
37	Construct Slurry Seal	\$0.25 / SF	234,800	\$59,000
38	Construct Striping & Marking	\$4.00 / LF	5,830	\$23,000
39	Construct AC Dike	\$7.00 / LF	0	\$0
40	Construct Curb & Gutter	\$30.00 / LF	9,135	\$274,000
41	Construct Concrete Barrier	\$50.00 / LF	0	\$0
42	Construct Median Curb	\$20.00 / LF	765	\$15,000
43	Construct Median Concrete	\$10.00 / SF	4,885	\$49,000
44	Construct Median/Parkway Landscaping	\$10.00 / SF	0	\$0
45	Construct PCC Sidewalk	\$7.00 / SF	44,325	\$310,000
46	Construct Access Ramp	\$5,000.00 / EA	19	\$95,000
47	Construct Retaining Wall	\$50.00 / SF	9,950	\$498,000
48	Construct Storm Drain Main	\$100.00 / LF	0	\$0
49	Construct RCB	\$1,000.00 / LF	0	\$0
50	Construct Headwall	\$5,000.00 / EA	0	\$0
51	Construct Concrete V-Ditch	\$15.00 / LF	0	\$0
52	Construct Bridge Widening	\$500.00 / SF	0	\$0
53	Construct Parkway Landscaping/Irrigation	\$10.00 / SF	43,690	\$437,000
54	Construct Wall	\$70.00 / LF	0	\$0
55	Building/Structure Demolition (1 Story)	\$10.00 / SF	0	\$0
56	Traffic Control	8%	1	\$479,000
57	Drainage Items	5%	1	\$299,000
58	SWPPP Plan and Implementation	6%	1	\$406,000
59	Utility Allowance	5%	1	\$299,000
CONSTRUCTION SUBTOTAL				\$8,267,000
	Right-of-Way	\$100.00 / SF	5,250	\$525,000
	Right-of-Way Management	5 / %		\$26,000
RIGHT-OF-WAY SUBTOTAL				\$551,000
TOTAL CONSTRUCTION & RIGHT-OF-WAY COST				\$8,818,000
Preliminary Project Development (10% of total Construction/RW cost)				\$882,000
Design Engineering/Administration Costs (15% of total Construction/RW cost)				\$1,323,000
Construction Engineering Costs/Administration (10% of total Construction/RW cost)				\$882,000
Contingency (20% of Total Construction/RW cost)				\$1,764,000
TOTAL PROJECT COSTS				\$13,669,000

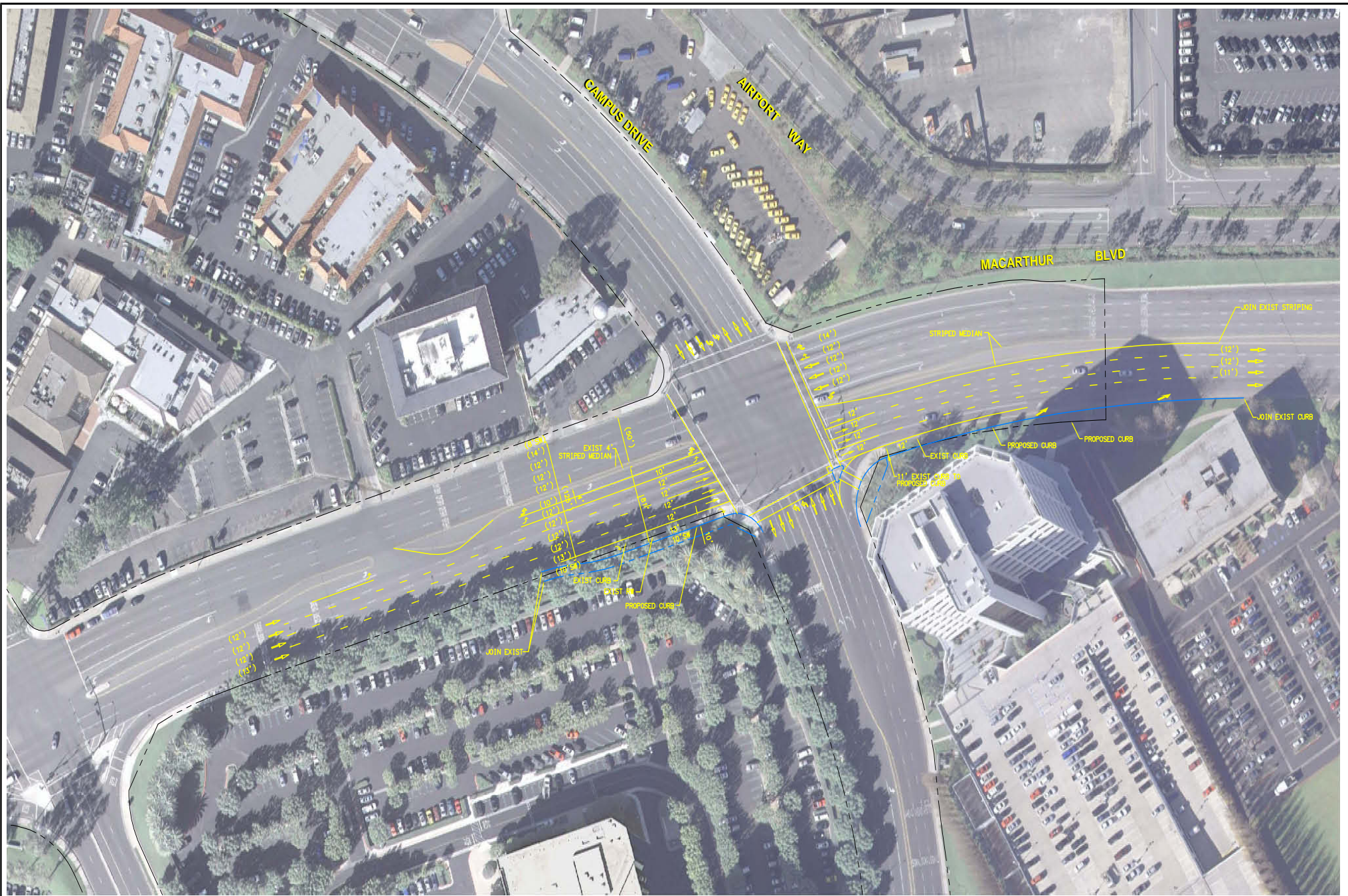
**JAMBOREE ROAD / MACARTHUR BOULEVARD
INTERSECTION IMPROVEMENTS
ALTERNATIVE 5
PRELIMINARY COST ESTIMATE**

Date: 11/2/2009

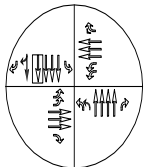
Estimated by: G. Warkentin

Echelon Interchange

	DESCRIPTION OF WORK	UNIT PRICE	QUANTITY	COST
1	Mobilization	10.00% (\$2,000 Min)	1	\$3,382,000
2	Clear & Grub	\$10,000.00 / AC	14	\$140,000
3	Earthwork	\$25.00 / CY	150,000	\$3,750,000
4	Remove Striping	\$10.00 / LF	4,000	\$40,000
5	Remove Curb & Gutter	\$30.00 / LF	8,000	\$240,000
6	Remove Median Curb	\$30.00 / LF	8,000	\$240,000
7	Remove PCC Sidewalk	\$3.00 / SF	64,000	\$192,000
8	Remove Pavement	\$4.00 / SF	480,000	\$1,920,000
9	Remove Channel	\$15.00 / LF	0	\$0
10	Remove/Replace Chain Link Fence	\$25.00 / LF	0	\$0
11	Reconstruct Metal Beam Guard Rail	\$70.00 / LF	0	\$0
12	Remove & Relocate Tree	\$500.00 / EA	100	\$50,000
13	Sawcut	\$1.00 / LF	0	\$0
14	Relocate Street Light	\$4,000.00 / EA	40	\$160,000
15	Relocate Traffic Signal System	\$250,000.00 / EA	4	\$1,000,000
16	Relocate Freeway Sign (2 post)	\$1,000.00 / EA	0	\$0
17	Relocate Sign (1 post)	\$200.00 / EA	20	\$4,000
18	Reconstruct Overhead Sign	\$35,000.00 / EA	2	\$70,000
19	Relocate Call Box	\$2,000.00 / EA	0	\$0
20	Relocate Power Pole	\$15,000.00 / EA	0	\$0
21	Relocate Catch Basin	\$10,000.00 / EA	10	\$100,000
22	Relocate Fire Hydrant	\$3,600.00 / EA	4	\$14,000
23	Relocate Bus Bench	\$600.00 / EA	0	\$0
24	Relocate Monument Wall	\$25,000.00 / EA	0	\$0
25	Local Intersection Modifications	\$100,000.00 / EA	2	\$200,000
26	Construct PCC Pavement	\$8.00 / SF	0	\$0
27	Construct AC Pavement	\$10.00 / SF	400,000	\$4,000,000
28	Construct AC Overlay	\$2.50 / SF	0	\$0
29	Construct Slurry Seal	\$0.50 / SF	0	\$0
30	Construct Striping & Marking	\$12.00 / LF	4,000	\$48,000
31	Construct AC Dike	\$10.00 / LF	0	\$0
32	Construct Curb & Gutter	\$27.00 / LF	8,000	\$216,000
33	Construct Concrete Barrier	\$75.00 / LF	0	\$0
34	Construct Median Curb	\$18.00 / LF	8,000	\$144,000
35	Construct Median Concrete	\$6.00 / SF	0	\$0
36	Construct Median/Parkway Improvements	\$10.00 / SF	24,000	\$240,000
37	Construct PCC Sidewalk	\$6.00 / SF	64,000	\$384,000
38	Construct Wheelchair Ramp	\$5,000.00 / EA	10	\$50,000
39	Construct Retaining Wall	\$80.00 / SF	87,000	\$6,960,000
40	Construct Storm Drain Main	\$500.00 / LF	0	\$0
41	Construct RCB	\$700.00 / CY	0	\$0
42	Construct Concrete V-Ditch	\$30.00 / LF	0	\$0
43	Construct Bridge	\$250.00 / SF	21,000	\$5,250,000
44	Install Ramp Metering System	\$60,000.00 / EA	0	\$0
45	Utility Relocation / Protection Allowance	5%	1	\$1,271,000
46	Traffic Control	8% (\$2,000 Min)	1	\$2,033,000
47	SWPPP Plan and Implementation	6%	1	\$1,723,000
48	Drainage Allowance	10%	1	\$3,030,000
	CONSTRUCTION SUBTOTAL			\$33,821,000
	Right-of-Way	LS	1	\$1,000,000
	Right-of-Way Management	5 / %	1	\$50,000
	RIGHT-OF-WAY SUBTOTAL			\$1,050,000
	TOTAL CONSTRUCTION & RIGHT-OF-WAY COST			\$34,871,000
	Preliminary Project Development (5% of total Construction/RW cost)			\$1,744,000
	Design Engineering/Administration Costs (15% of total Construction/RW cost)			\$5,231,000
	Construction Engineering Costs/Administration (15% of total Construction/RW cost)			\$5,231,000
	Contingency (20% of Total Construction/RW cost)			\$6,975,000
	TOTAL PROJECT COSTS			\$54,052,000



MACARTHUR BLVD.

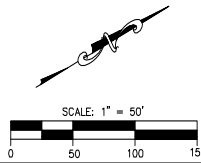


CAMPUS DR.

LEGEND:

- EXISTING LANE
- NEW IMPROVEMENT
- FREE RIGHT TURN
- ELIMINATE LANE

MITIGATION:
 ADD NB LEFT TURN (2L)
 ELIMINATE SB THROUGH
 ADD SB THROUGH/RIGHT TURN



DATE	BY	DESCRIPTION OF REVISIONS	APP'D



REVIEWED	
PRINCIPAL CIVIL ENGINEER R.C.E. NO. xxxxxx	
DATE	xx/xx/xx
DESIGNED	xx
DRAWN	xx
CHECKED	xx
DATE	xx/xx/xx

MACARTHUR BOULEVARD & CAMPUS DRIVE (9)

CITY OF NEWPORT BEACH
PUBLIC WORKS DEPARTMENT

SHEET **9** OF **X**

07/02/2007 10:38:08 AMCDAVIS P:\PROJECTS\10104114\CAADD\Transp\GIV\GIV\4114P001.dgn

DATE REVISION BY DATE REVISION BY

DESIGN OVERSIGHT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION



NOTES:

1. ALL TRAFFIC STRIPES AND PAVEMENT MARKINGS IN THE CALTRANS RIGHT OF WAY ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.
2. PLACE ARROWS 20' BEFORE LIMIT LINE OR CROSSWALK.
3. ALL CROSSWALKS SHALL HAVE A 10 FOOT INSIDE WIDTH.
4. REMOVE ALL CONFLICTING PAVEMENT DELINEATION.

Add with NB thru lane

LEGEND:

- PAVEMENT DELINEATION DETAIL NUMBER
- PAVEMENT MARKING OR LEGEND AS SHOWN PAINT TWO (2) COATS UNLESS SHOWN OTHERWISE
- THERMOPLASTIC
- REMOVE PAVEMENT MARKING OR LEGEND AS SHOWN
- 1" WHITE CROSSWALK LINES
- 1" WHITE LIMIT LINE
- EXISTING TO REMAIN
- CHANGE OF PAVEMENT DELINEATION DETAIL
- PROPOSED WIDTH
- ANGLE POINT
- TYPE G OR F DELINEATOR (CLASS 1 FLEXIBLE POST) (PER PLANS)



DIST	COUNTY	ROUTE	POST MILES	TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
12	Ora	73		24.8		XXX

REGISTERED CIVIL ENGINEER

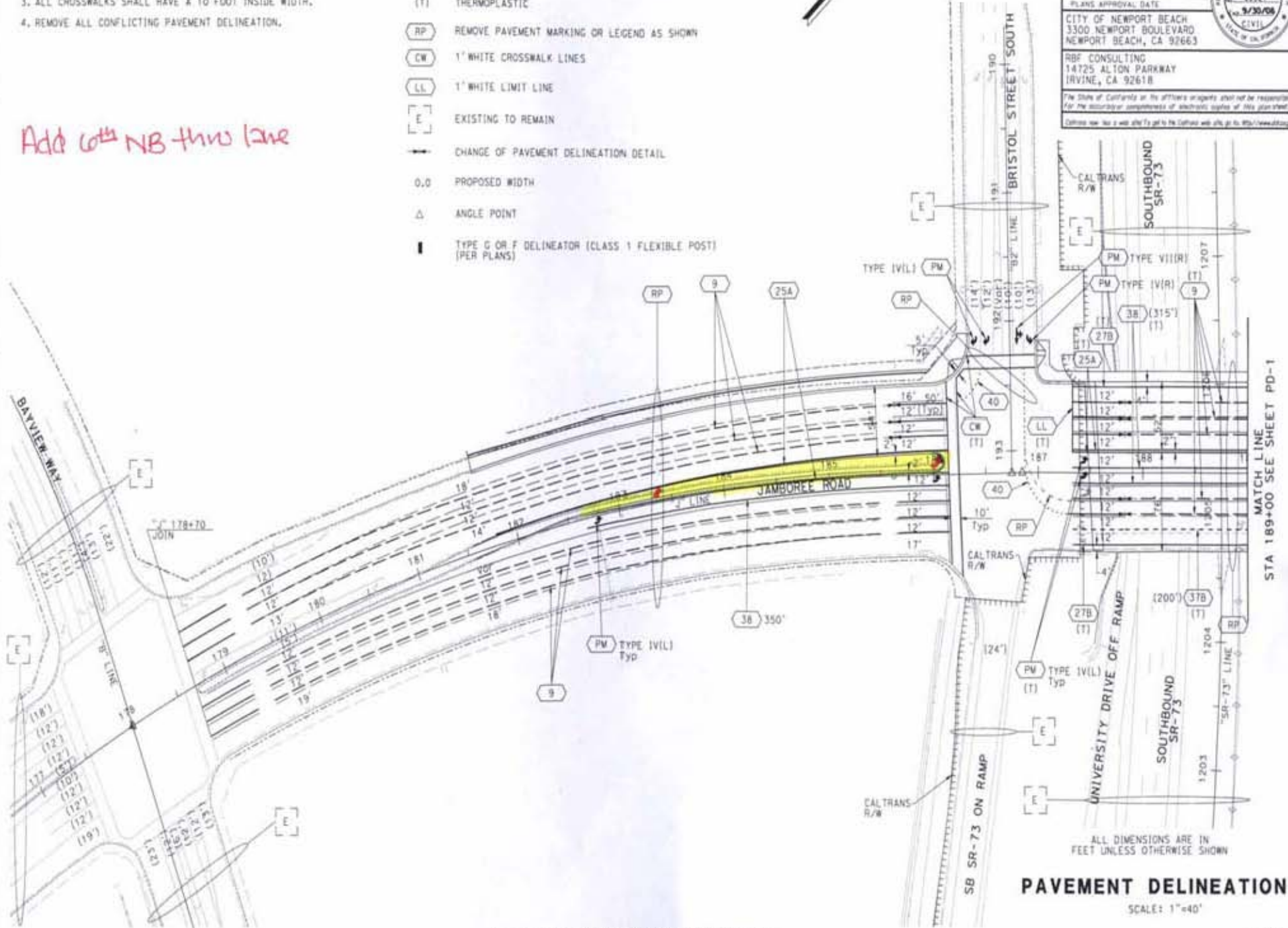
PLANS APPROVAL DATE

CITY OF NEWPORT BEACH
3300 NEWPORT BOULEVARD
NEWPORT BEACH, CA 92663

RBF CONSULTING
14725 ALTON PARKWAY
IRVINE, CA 92618

MARK J. ESPOSITO
REGISTERED PROFESSIONAL ENGINEER
No. 9/30/08
CIVIL
STATE OF CALIFORNIA

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan set.
Online use: see a web site to get the latest web site go to: <http://www.dgs.ca.gov>



MATCH LINE
STA 189+00 SEE SHEET PD-1

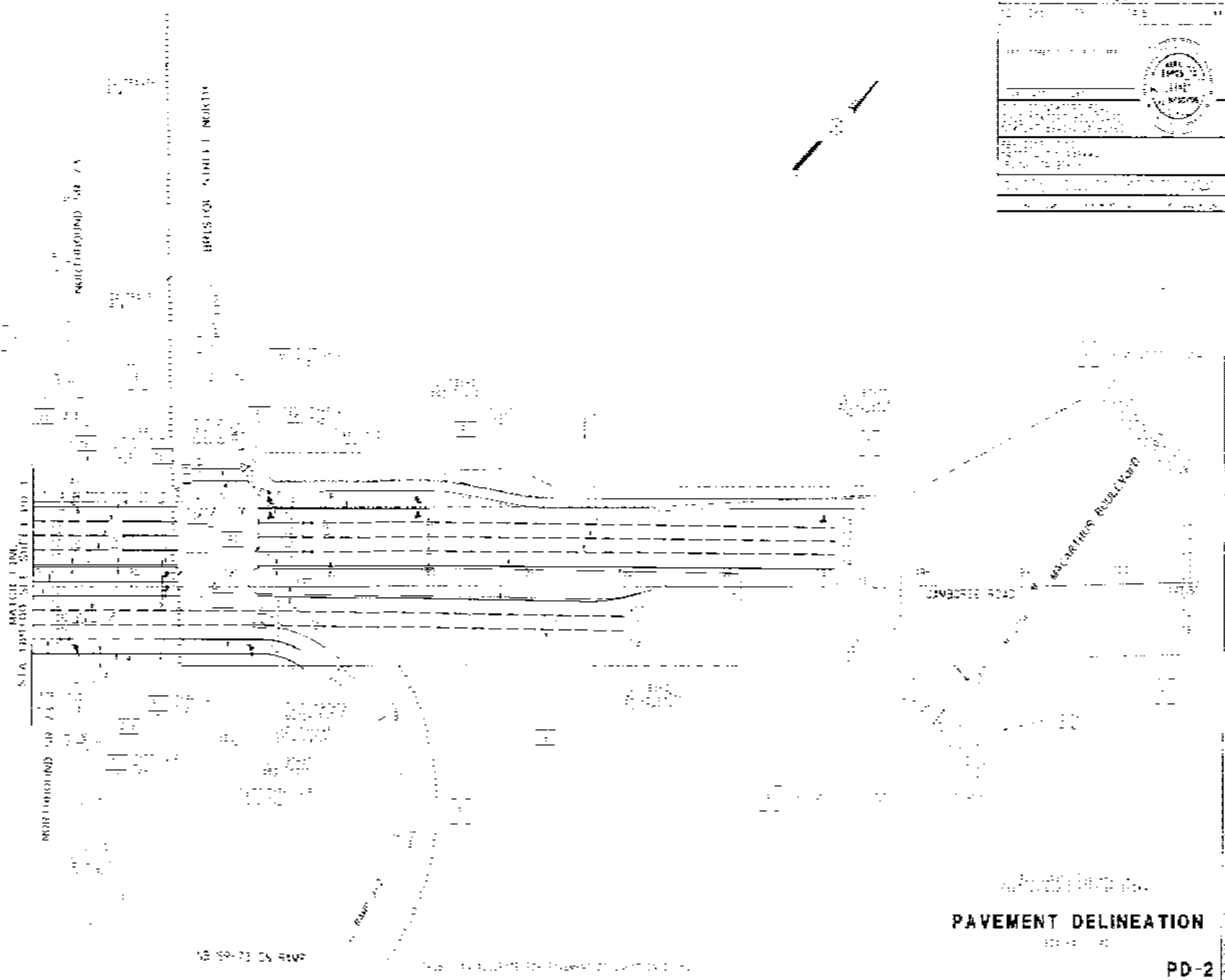
ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN

PAVEMENT DELINEATION

SCALE: 1"=40'

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION ONLY.

PD-1

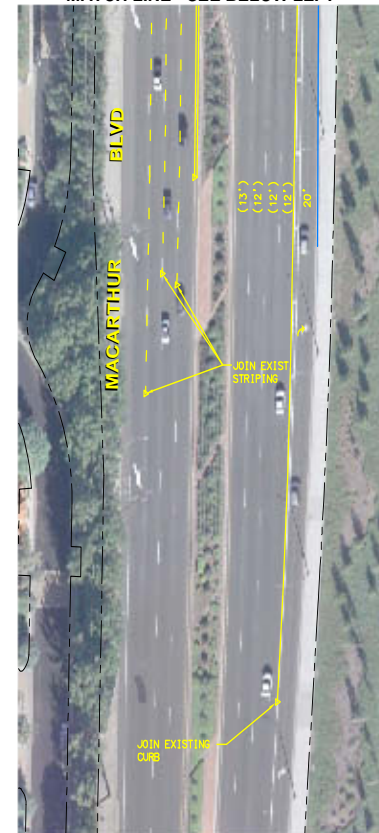


DATE	10/15/73
PROJECT NO.	100-100-100
SECTION NO.	100-100-100
SCALE	AS SHOWN
DESIGNED BY	...
CHECKED BY	...
APPROVED BY	...

PAVEMENT DELINEATION

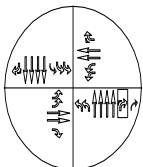


MATCH LINE - SEE BELOW LEFT



MATCH LINE - SEE ABOVE RIGHT

MACARTHUR BLVD.

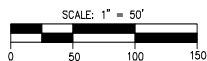


FORD RD./BONITA CANYON DR.

MITIGATION:
 ADD SB LEFT TURN (3L)
 ELIMINATE NB FREE RIGHT TURN
 ADD NB RIGHT TURN

LEGEND:

- EXISTING LINE
- NEW IMPROVEMENT
- FREE RIGHT TURN
- ELIMINATE LANE

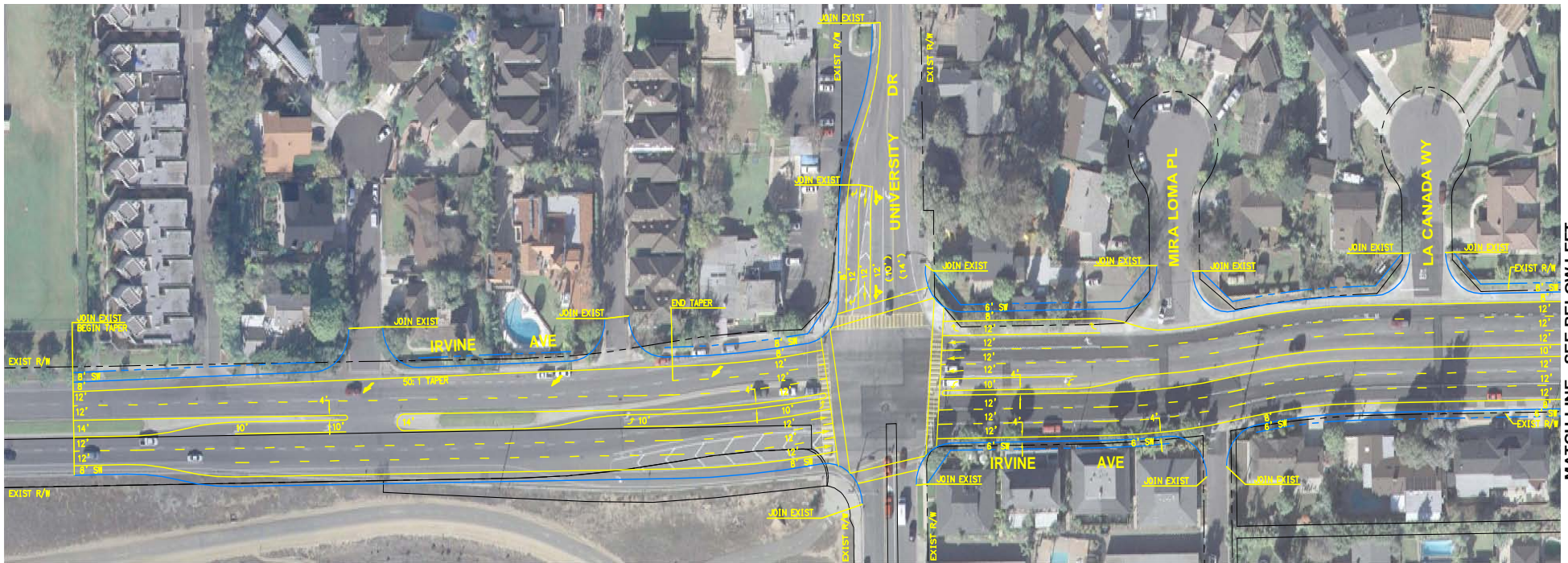


DATE	BY	DESCRIPTION OF REVISIONS	APP'D

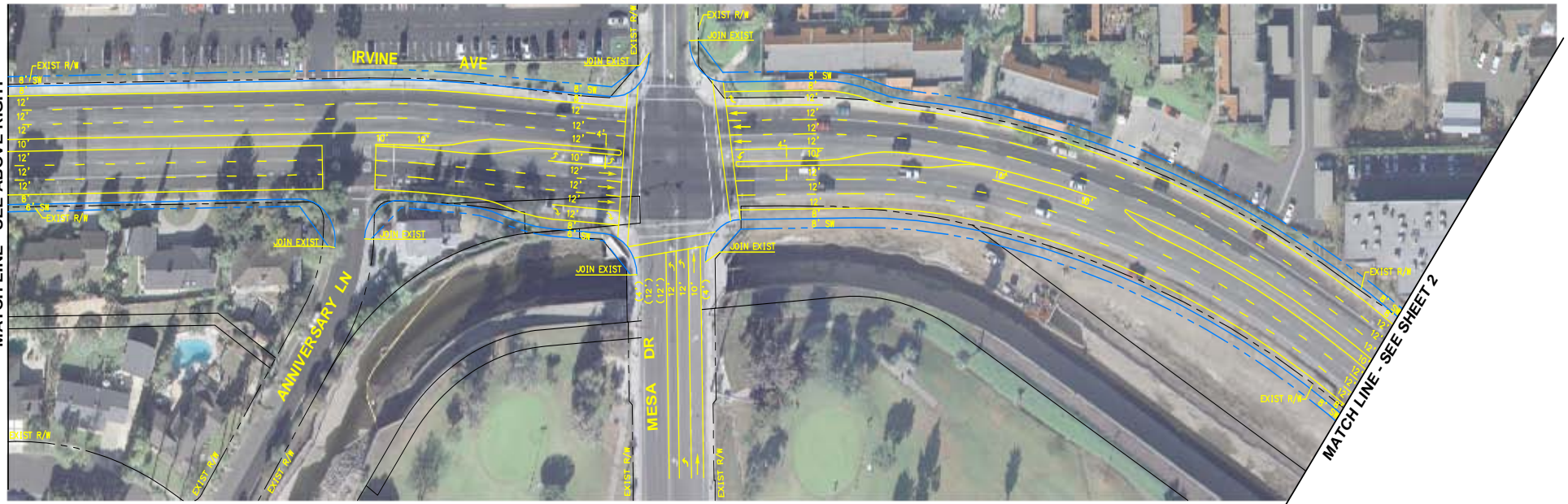


REVIEWED	
PRINCIPAL CIVIL ENGINEER R.C.E. NO. xxxxxx	
DATE xx/xx/xx	
DESIGNED XX	DRAWN XX
CHECKED XX	DATE XX/XX/XX

MACARTHUR BOULEVARD & FORD ROAD / BONITA CANYON DRIVE (49)	
CITY OF NEWPORT BEACH	
PUBLIC WORKS DEPARTMENT	
SHEET	OF X

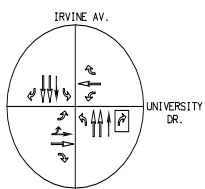


MATCH LINE - SEE BELOW LEFT

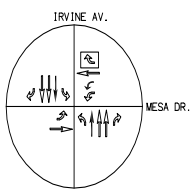


MATCH LINE - SEE ABOVE RIGHT

MATCH LINE - SEE SHEET 2

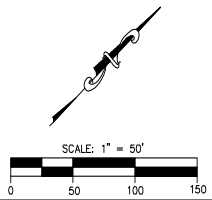


MITIGATION:
 ADD NB THRU
 ELIMINATE NB RIGHT TURN
 ADD SB THRU
 ADD EB THRU LEFT



MITIGATION:
 ADD NB THRU
 ADD SB THRU
 ADD NB LEFT TURN
 ELIMINATE WB RIGHT TURN

LEGEND:
 EXISTING LANE
 NEW IMPROVEMENT
 ELIMINATE LANE



DATE	BY	DESCRIPTION OF REVISIONS	APP'D



REVIEWED	
PRINCIPAL CIVIL ENGINEER	R.C.E. NO. xxxxxx
DATE	xx/xx/xx
DESIGNED	xx
DRAWN	xx
CHECKED	xx
DATE	xx/xx/xx

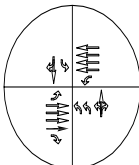
IRVINE AVENUE FROM MESA DRIVE TO BRISTOL STREET

CITY OF NEWPORT BEACH
 PUBLIC WORKS DEPARTMENT

SHEET 1 OF 2



BAYSIDE DR.

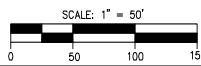


COAST HWY.

MITIGATION:
ADD 4TH EB THROUGH

LEGEND:

- EXISTING LANE
- NEW IMPROVEMENT



DATE	BY	DESCRIPTION OF REVISIONS	APP'D



REVIEWED	
PRINCIPAL CIVIL ENGINEER R.C.E. NO. xxxxxx	
DATE	xx/xx/xx
DESIGNED	xx
DRAWN	xx
CHECKED	xx
DATE	xx/xx/xx

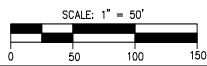
**E. COAST HIGHWAY AT
BAYSIDE DRIVE**

CITY OF NEWPORT BEACH
PUBLIC WORKS DEPARTMENT

SHEET **OF X**



WITIGATION:
 WIDEN PLACENTIA AVE BETWEEN
 HOSPITAL RD AND SUPERIOR AVE
 TO A SECONDARY CROSS-SECTION

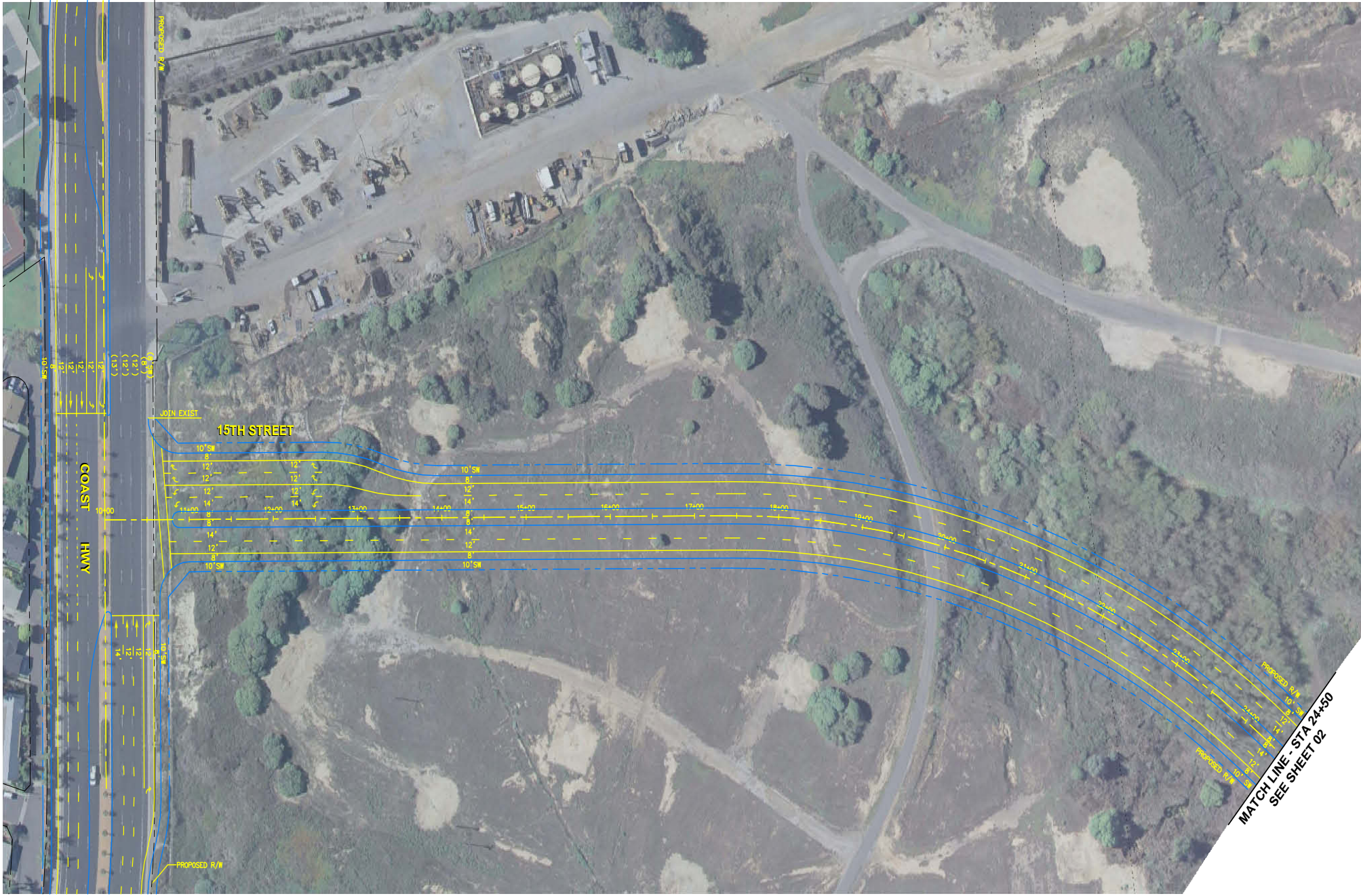


DATE	BY	DESCRIPTION OF REVISIONS	APP'D

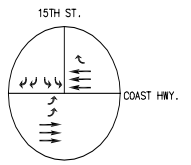


REVIEWED	
PRINCIPAL CIVIL ENGINEER	R.C.E. NO. xxxxxx
DATE	xx/xx/xx
DESIGNED	xx
DRAWN	xx
CHECKED	xx
DATE	xx/xx/xx

PLACENTIA AVENUE-HOSPITAL ROAD TO SUPERIOR AVENUE	
CITY OF NEWPORT BEACH	
PUBLIC WORKS DEPARTMENT	SHEET OF X

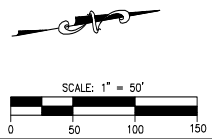


**MATCH LINE - STA 24+50
SEE SHEET 02**



LEGEND
 NEW IMPROVEMENT

MITIGATION:
 ADD SB RIGHT TURN
 ADD SB LEFT TURN
 ADD EB THRU
 ADD EB LEFT TURN
 ADD WB THRU RIGHT
 ADD WB RIGHT TURN

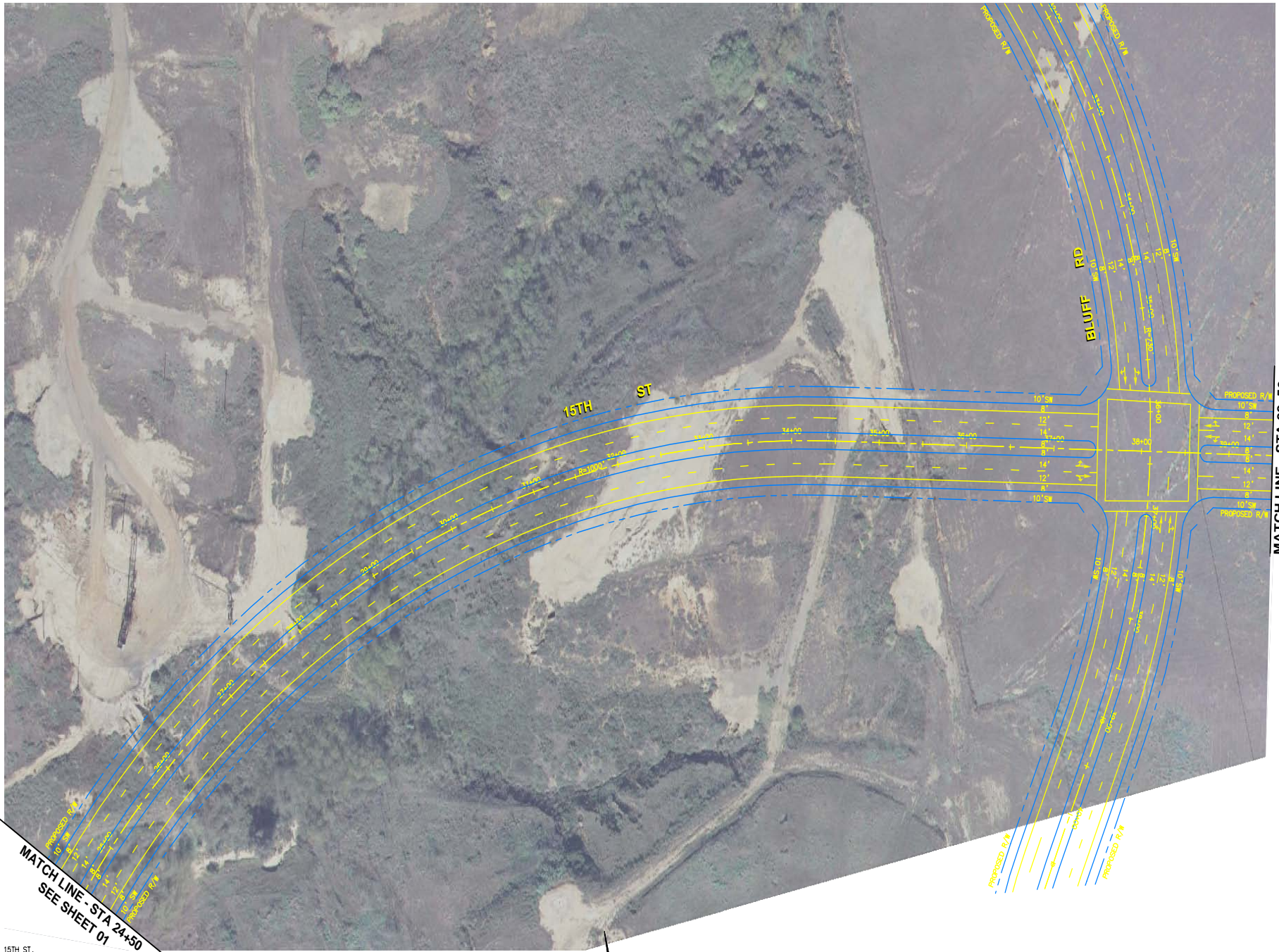


DATE	BY	DESCRIPTION OF REVISIONS	APP'D



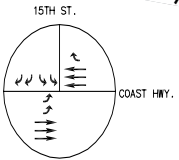
REVIEWED	
PRINCIPAL CIVIL ENGINEER R.C.E. NO. xxxxxx	
DATE	xx/xx/xx
DESIGNED	XX
DRAWN	XX
CHECKED	XX
DATE	xx/xx/xx

15TH STREET EXTENSION	
CITY OF NEWPORT BEACH	
PUBLIC WORKS DEPARTMENT	
SHEET	1 OF 3



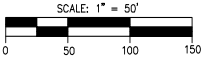
MATCH LINE - STA 24+50
SEE SHEET 01

MATCH LINE - STA 39+50
SEE SHEET 03



LEGEND:
NEW IMPROVEMENT

MITIGATION:
ADD SB RIGHT TURN
ADD SB LEFT TURN
ADD EB THRU
ADD EB LEFT TURN
ADD WB THRU RIGHT
ADD WB RIGHT TURN



DATE	BY	DESCRIPTION OF REVISIONS	APP'D



REVIEWED	
PRINCIPAL CIVIL ENGINEER	
R.C.E. NO. xxxxxx	
DATE	xx/xx/xx
DESIGNED	XX
DRAWN	XX
CHECKED	XX
DATE	xx/xx/xx

15TH STREET EXTENSION	
CITY OF NEWPORT BEACH	
PUBLIC WORKS DEPARTMENT	
SHEET	2 OF 3

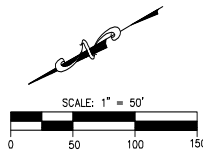


MATCH LINE - SEE BELOW LEFT



MATCH LINE - SEE ABOVE RIGHT

MITIGATION:
NARROW MEDIAN ON MACARTHUR BL FROM SAN MIGUEL TO
COAST HWY TO A 6-LANE MAJOR



DATE	BY	DESCRIPTION OF REVISIONS	APP'D



REVIEWED	
PRINCIPAL CIVIL ENGINEER	
R.C.E. NO. xxxxxx	
DATE	xx/xx/xx
DESIGNED	xx
DRAWN	xx
CHECKED	xx
DATE	xx/xx/xx

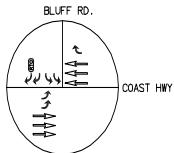
**MACARTHUR BOULEVARD -
SAN MIGUEL DRIVE TO COAST
HIGHWAY**

CITY OF NEWPORT BEACH

PUBLIC WORKS DEPARTMENT

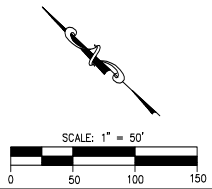
SHEET OF X

MATCH LINE - STA 53+00
SEE SHEET 2



- LEGEND:**
- EXISTING LANE
 - NEW IMPROVEMENT
 - RIGHT TURN OVERLAP PHASE IMPROVEMENT

- MITIGATION:**
- ADD WB RIGHT TURN
 - ADD 2 EB LEFT TURN
 - ADD 2 SB LEFT TURN
 - ADD 2 SB RIGHT TURN



DATE	BY	DESCRIPTION OF REVISIONS	APP'D



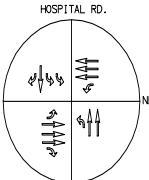
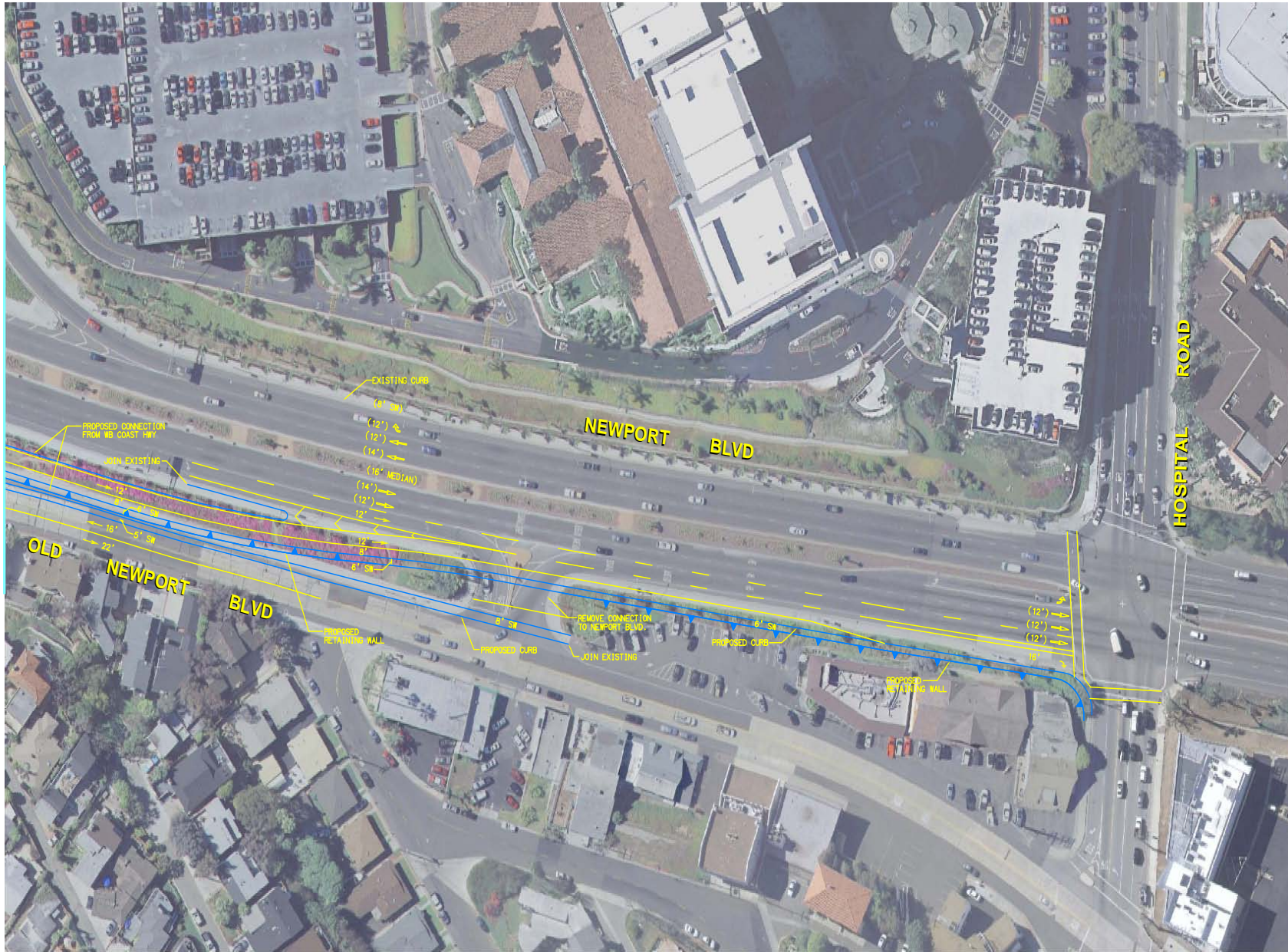
REVIEWED	
PRINCIPAL CIVIL ENGINEER R.C.E. NO. xxxxxx	
DATE	xx/xx/xx
DESIGNED	xx
DRAWN	xx
CHECKED	xx
DATE	xx/xx/xx

**BLUFF ROAD FROM
17 TH STREET TO COAST
HIGHWAY**

CITY OF NEWPORT BEACH
PUBLIC WORKS DEPARTMENT

SHEET **3** OF **3**

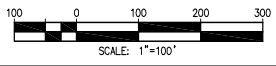
MATCH LINE - SEE SHEET 1



HOSPITAL RD.
NEWPORT BLVD. NEWPORT BLVD. & HOSPITAL DRIVE MITIGATION
ADD WB PCH TO NEWPORT BLVD CONN. RT TURN AT HOSPITAL ROAD.



- LEGEND:
- EXISTING LANE
 - NEW IMPROVEMENT
 - ELIMINATE LANE



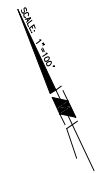
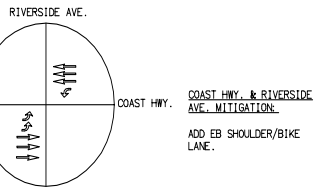
DATE	BY	DESCRIPTION OF REVISIONS	APP'D



REVIEWED	
PRINCIPAL CIVIL ENGINEER R.C.E. NO. xxxxxx	
DATE	xx/xx/xx
DESIGNED	XX
DRAWN	XX
CHECKED	XX
DATE	xx/xx/xx

NEWPORT BLVD. & COAST HIGHWAY IMPROVEMENTS

CITY OF NEWPORT BEACH
PUBLIC WORKS DEPARTMENT



- LEGEND:**
- EXISTING LANE
 - NEW IMPROVEMENT
 - ELIMINATE LANE

DATE	BY	DESCRIPTION OF REVISIONS	APP'D

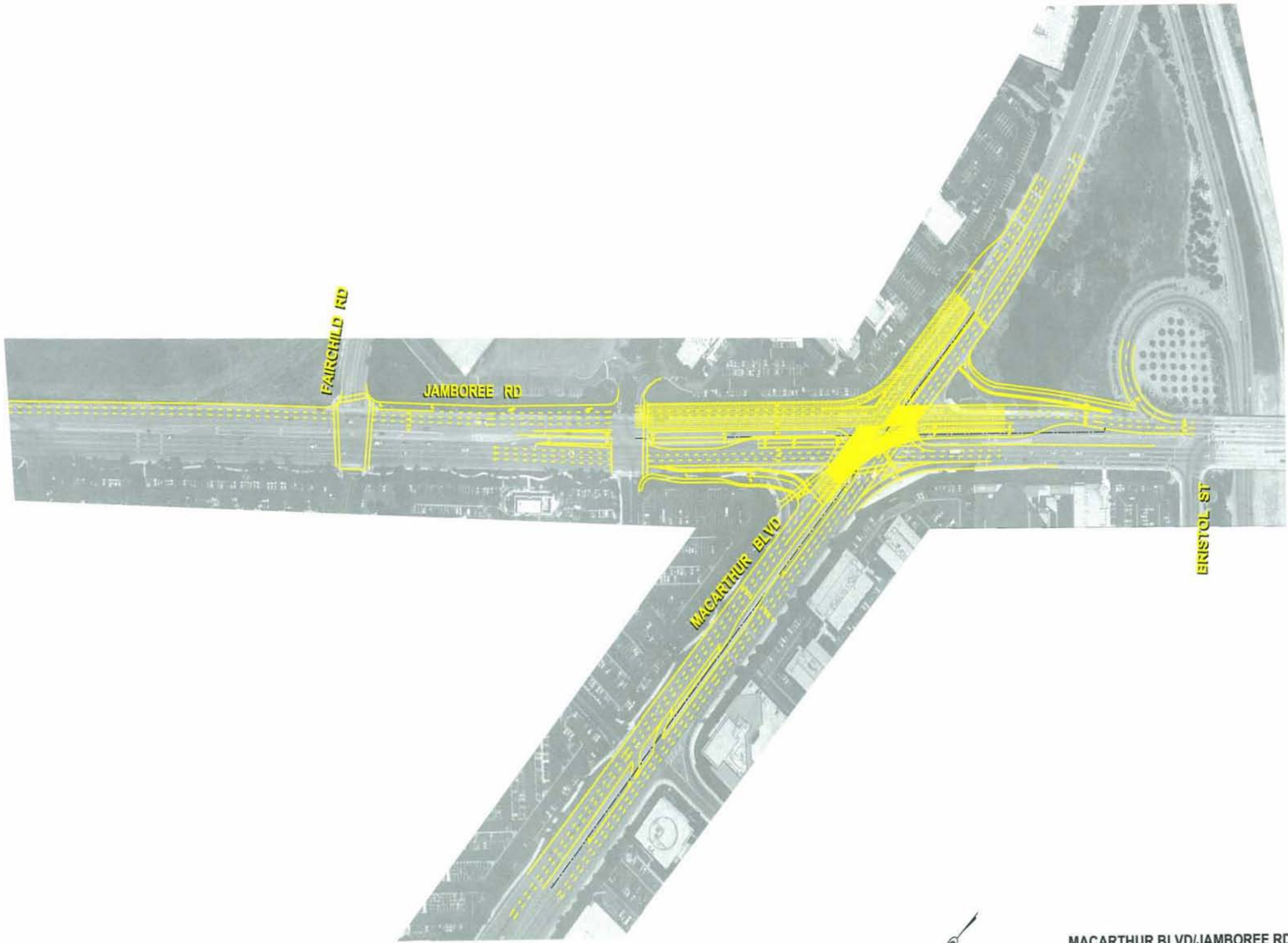
	REVIEWED
	PRINCIPAL CIVIL ENGINEER R.C.E. NO. xxxxxx
	DATE xx/xx/xx
	DISTING'D XX DRAWN XX CHECKED XX DATE xx/xx/xx

**NEWPORT BLVD. & COAST
HIGHWAY IMPROVEMENTS**

CITY OF NEWPORT BEACH

PUBLIC WORKS DEPARTMENT

SHEET **3** OF **3**



FAIRCHILD RD

JAMBOREE RD

MACARTHUR BLVD

BRISTOL ST

