SEISMIC RETROFIT PROJECT 67C

GENERAL NOTES

- The contractor shall verify all controlling field dimensions before ordering or fabricating any material.
- The contractor shall possess the class (or classes) of licenses as specified in the "Notice to Contractor".
- Where no construction details are shown or noted for any part of the work, the details shall be the same as other similar
- Contractor is required to take precautionary measures to protect the utility lines shown hereon and any other existing lines not of record or not shown on these plans.

BENCH MARK

STD. U.S.C. & G.S. Disk Stamped "C-37-1924", about 0.8 mile N. along the A.T. & S.F. R.R. from Clive, at Bridge A44, over Santa Ana River, in the top of the E. end of the N. Conc. U.S.C. & G.S. 1964 Elev. 239.432

BASIS OF BEARING

Riverside Freeway Plans (0.1 Mile West of Lemon St. to Newport Freeway.) Dated April 1965

7. All work within the Flood Control District Right of Way shall be performed in accordance with the provisions of the Construction Permit granted by Orange County Flood Control District and the plans stamped with the approval of Orange County Flood Control District. Contractor shall have a copy of said permit and stamped plans on the job site.

INDEX TO PLANS

MIKE CULLEN MGC
DESIGN OVERSIGHT

7-13-92

SHEET NO	TITLE
. 1	TITLE SHEET
2	GENERAL PLAN
3	ABUTMENT 1 RETROFIT DETAILS
4	ABUTMENT 14 RETROFIT DETAILS
5	ABUTMENTS 1 & 14 SEAT EXTENSION & SHEAR KEY
6	HINGE RETROFIT DETAILS 1
7	HINGE RETROFIT DETAILS 2
8	HINGE RETROFIT DETAILS 3
9	LIMITS OF STRUCTURAL EXCAVATION & BACKFILL

DETAILS

TOMMY TOMINNA

EDUARDO REYES

KEITH W HERRON

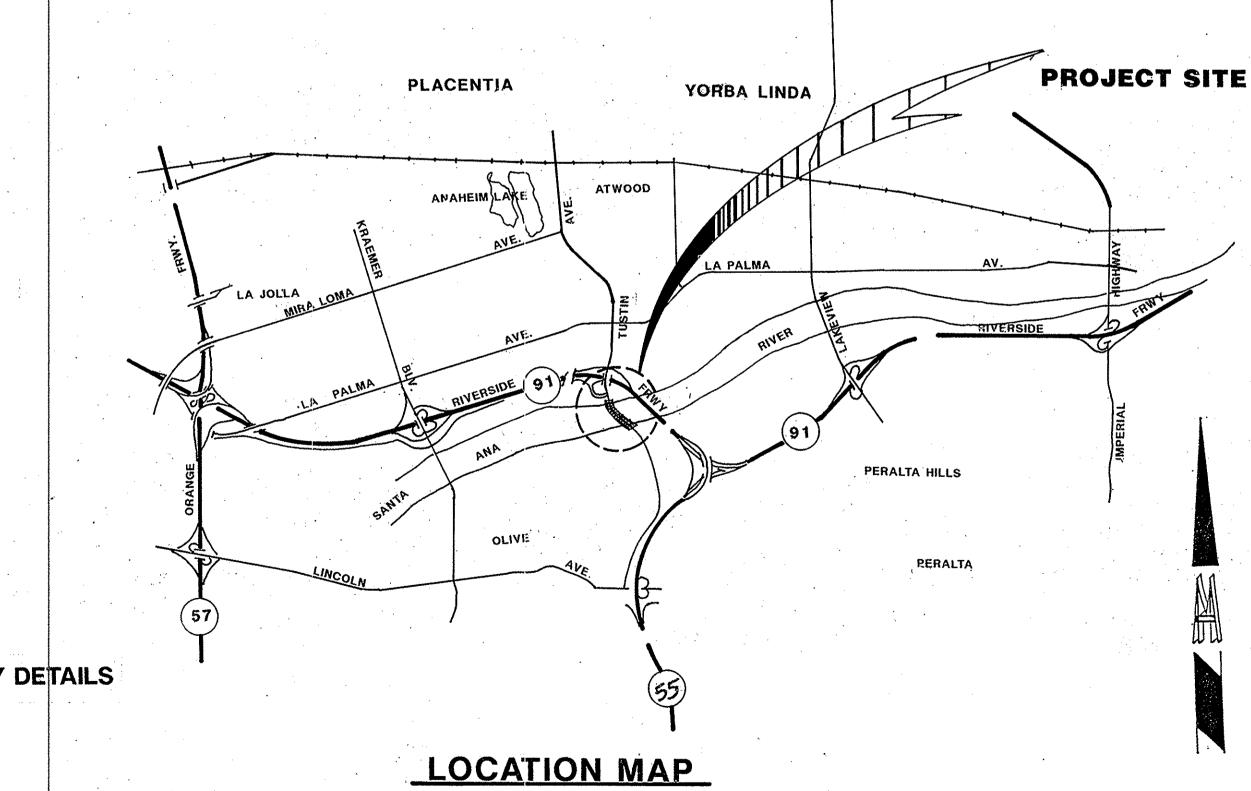
TUSTIN AVE. BRIDGE 5A-7A AT SANTA ANA RIVER BRIDGE NO 55-C-111

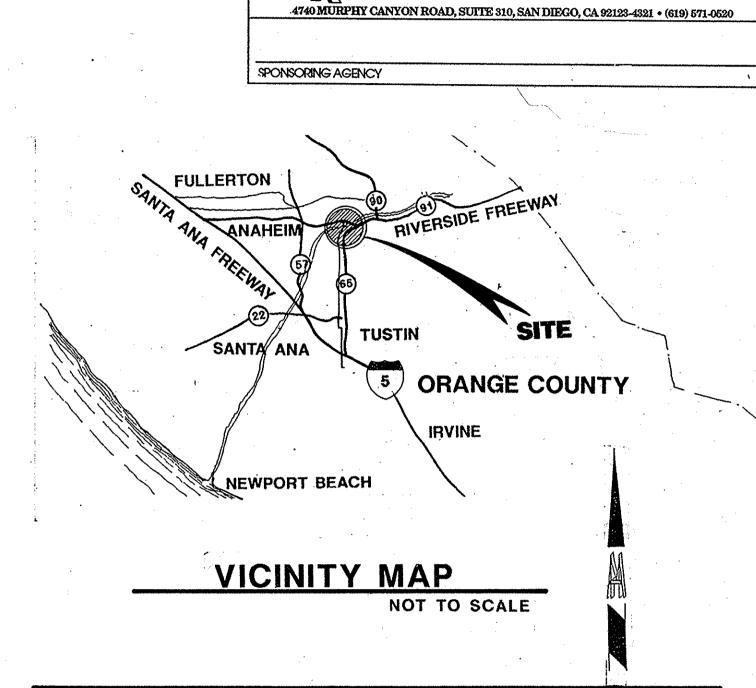
LOAD FACTOR DESIGN

AASHTO dated 1989 with interims and as supplemented by: Caltrans Bridge Design Specifications inserts 36,000 PSI 3,250 PSI Structural Steel: Reinforced Concrete: 60,000 PSI Reinforced Steel:

Cables Galvanized: 176,100 PSI 14,000,000 PSI (minimum specified before yielding) High Strength Bars Galvanized: 120,000 PSI

30,000,000 PSI





12 ORA LOCAL

Albert a Karheval REGISTERED CIVIL ENGINEER

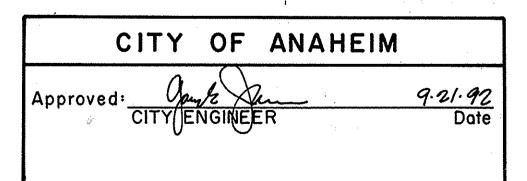
CIVIL/STRUCTURAL ENGINEERING

POST MILES TOTAL PROJECT

714) 254–6829	THOM COUGHRAN
714) 254–5176 X5821	MARK KOHOTO
714) 378-326 5	DON JACKSON
	and the state of the state of
	5
CION	, mari
	714) 254–5176

ABBREVIATIONS & SYMBOLS

Clr.	Clearance	# Tot. Typ.	Number
Conc.	Concrete		Total
&	Center Line		Typical
φ Elev.	Nominal Diameter (in inches) Elevation	EOD Min. Sht.	Edge Of Deck Minimum Sheet
Exist.	Existing	史; PL	Steel Plate
Ft.	Feet	O.G.	Original Ground
D.L.	Dead Load	No.	Number



COUNTY OF ORANGE
William L. Jaun 9-17-92 DIRECTOR OF PUBLIC WORKS Date
Approved for Contract Administration

TUSTIN AVE. BRIDGE

SEISMIC RETROFIT PROJECT 67C

IN ORANGE COUNTY, CALIFORNIA IN THE CITY OF ANAHEIM

AS-BUILT: MAY, 1994	, , , , , , , , , , , , , , , , , , , ,		
	BRIDGE NO	SANTA ANA	RIVER /
	DOST MILE	<u> </u>	

TITLE SHEET

SHEET OF,

NOT TO SCALE

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

CHIN C. CHEN

CHIN C. CHEN

CHIN C CHEN

KEITH W. HERRON

JAY ZHL

LAYOUT

SPECIFICATION

DENIS MORGAN Chia G. Cher 12/17/9/No.C 034442 PLANS AND SPECS COMPARED DENIS MONGAN PROJECT ENGINEER REGISTERED CIVIL ENGINEER No.

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

59MO93**-4**3 12-EQC-067

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)