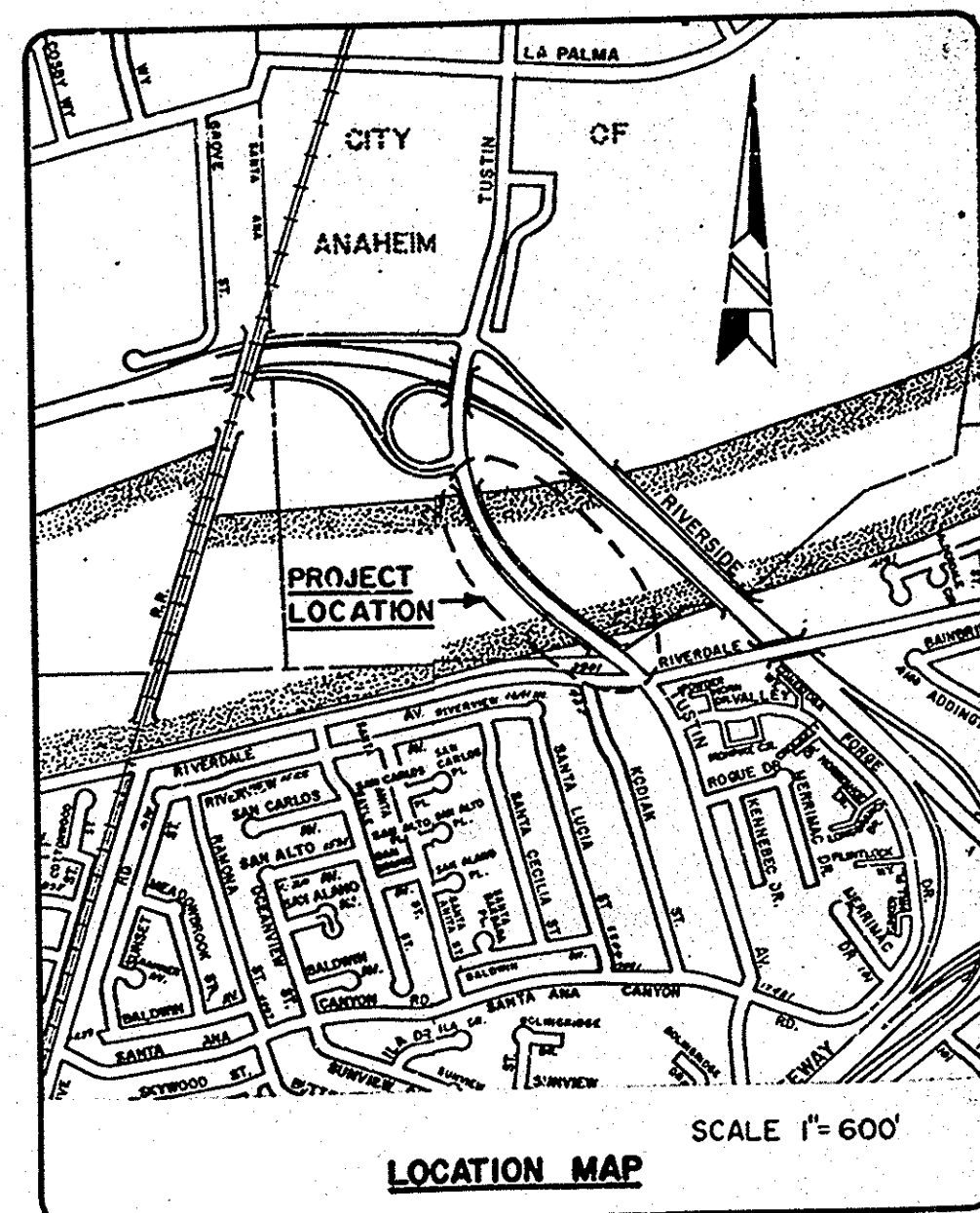
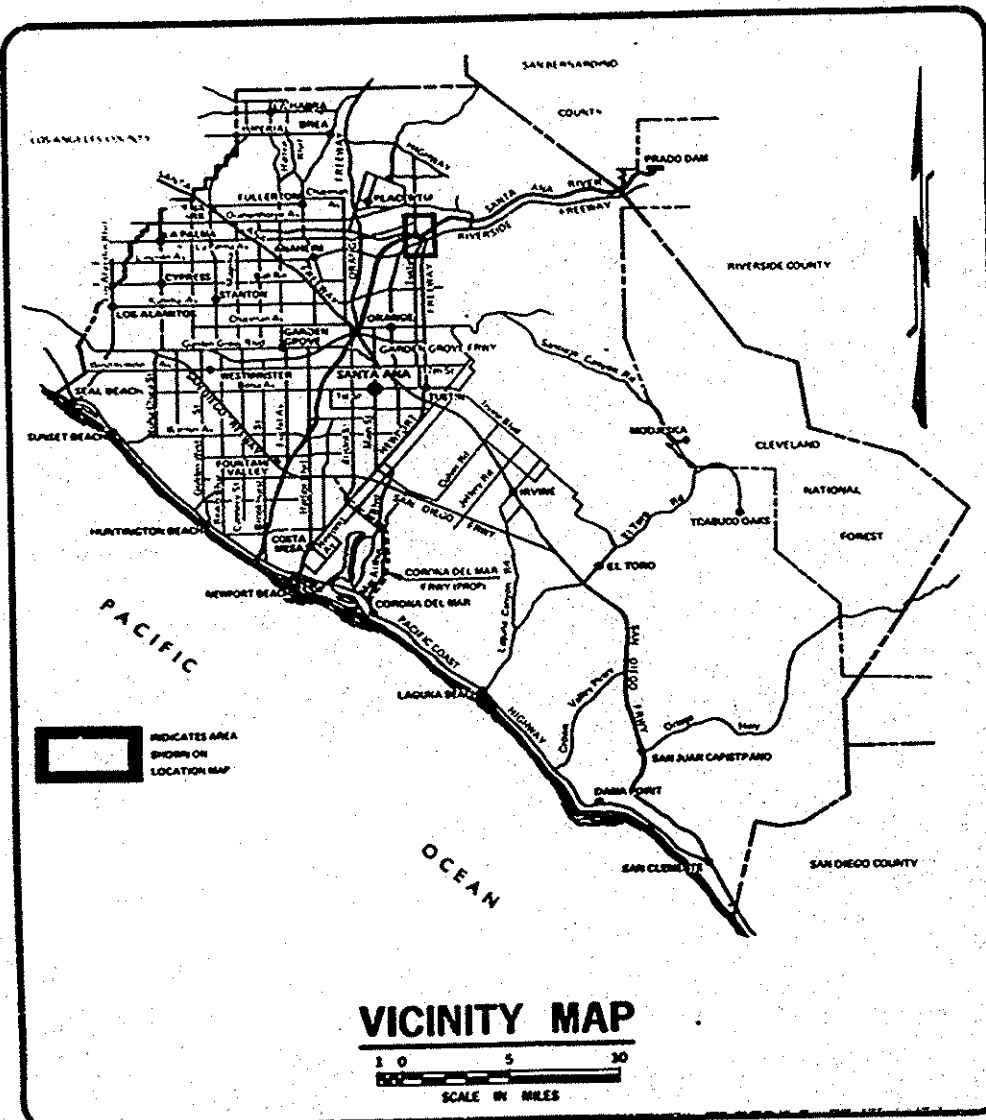




# ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY

SANTA ANA, CALIFORNIA  
H.G. OSBORNE, DIRECTOR

PLANS FOR WIDENING OF

## TUSTIN AVE. BRIDGE

SA - 7A

ACROSS THE

SANTA ANA RIVER

(CHANNEL - E01)

| SHEET   | INDEX OF SHEETS                 | DESCRIPTION |
|---------|---------------------------------|-------------|
| 1       | TITLE SHEET                     |             |
| 2       | TYPICAL SECTIONS                |             |
| 3       | SOUTHERLY APPROACH              |             |
| 4       | NORTHERLY APPROACH              |             |
| 5       | BIKE TRAIL                      |             |
| 6       | GENERAL PLAN                    |             |
| 7       | FOUNDATION PLAN                 |             |
| 8       | ABUTMENT #1 DETAILS             |             |
| 9       | ABUTMENT #14 DETAILS            |             |
| 10      | ABUTMENT & MISC. DETAILS        |             |
| 11      | U/S PIER DETAILS                |             |
| 12      | D/S PIER DETAILS                |             |
| 13      | PIER EXTENSIONS                 |             |
| 14      | TYPICAL SECTION (BRIDGE)        |             |
| 15 / 18 | SUPERSTRUCTURE & REINFORCEMENT  |             |
| 19      | TEE BEAM DETAIL                 |             |
| 20      | HINGE DETAIL                    |             |
| 21      | DECK GRADES                     |             |
| 22      | TRAFFIC STRIPING                |             |
| 23      | DETOUR STRIPING PLAN-A & PLAN-B |             |
| 24-26   | RAILING DETAILS                 |             |
| 27      | ELECTRICAL DETAILS              |             |
| 28-34   | CROSS SECTIONS                  |             |
| 35      | LOG OF TEST BORINGS             |             |

| UTILITY                                          | PHONE NO. |
|--------------------------------------------------|-----------|
| ORANGE COUNTY WATER DISTRICT (714)- 630 - 1262   |           |
| CITY OF ANAHEIM ELECTRIC UTILITY (714)- 533-5406 |           |

|                                                                                                                                                                                                                                                  |                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>BENCH MARK:</b> C-37<br>0.8 MILE NORTH ALONG THE A.T. & S.F. RAILWAY FROM OLIVE, AT BRIDGE A 44 OVER SANTA ANA RIVER, AND IN THE TOP OF THE EAST END OF THE NORTH CONCRETE PIER.<br>BRONZE DISC STAMPED C-37-1924.<br>ELEV. 239.334 ADJ. 1970 | <b>BASIS OF BEARING:</b><br>SURVEYORS MAP 66-14<br>DATED. 8-2-66.<br>REF. O.C.E.M.A. SURVEY DATA OF JUNE, 1977 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|

FUNDED BY: COUNTY OF ORANGE HIGHWAY USER TAXES

DATE: APRIL, 1979

ORANGE COUNTY WATER DISTRICT

EMA-DEVELOPMENT

CITY OF ANAHEIM

APPROVED: *Nelson J. Richardson*  
DISTRICT ENGINEER RCE 17647

SUBMITTED: *Wendell H. Hartman* 4-5-79  
SECTION CHIEF RCE 13941

APPROVED: *Shirley E. Osborne* 3-30-79  
DIRECTOR OF PUBLIC WORKS

RECOMMENDED: *Ed Wilson* 4/5/79  
DIVISION MANAGER RCE 13154

MARCH 30, 1979  
DATE

APPROVED: *Arthur G. Cullen* 4/5/79  
ASSISTANT DIRECTOR RCE 13142

| NO. | DESCRIPTION | SHT. | APPROVED | DATE |
|-----|-------------|------|----------|------|
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W.O. NO. R09280  
DWG. NO.

SHEET 1 OF 35

DR. 8 (12952)  
# 12952 1979  
SA-7A  
55C-0111-WID  
Thomas. 76A-J3