

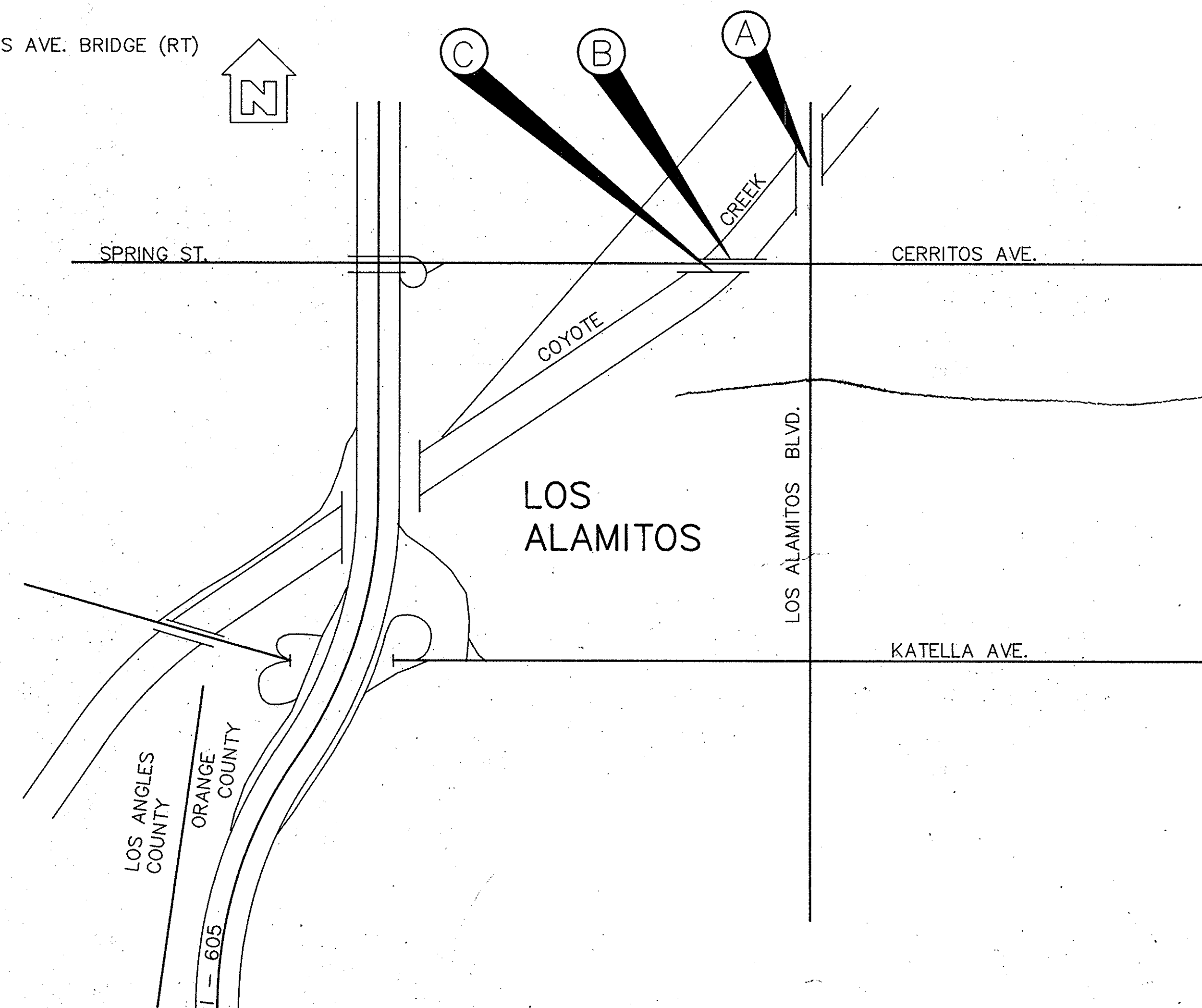
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## GENERAL NOTES

- The Stainless Steel Plate and Bearing Pad shall be protected from Contaminants during the Construction
- Structural Steel for Welding shall conform to the Specifications for Structural Steel for Welding of American Association of State Highway and Transportation Officials (A.A.S.H.T.O.), M-183, M-223 and A.S.T.M, A36, A572 (Grade 50)
- Welds shall be the minimum sized Welds required by Art. 10.23 Standard Specifications of A.A.S.H.T.O. for thickness of the material joined unless otherwise specified
- Electrodes for manual shielded Metal Arc-Welding or other Welding processes shall conform to the requirements of the latest editions of the American Welding Society (A.W.S.) specifications for Welding Electrodes as modified by the A.A.S.H.T.O. Standard Specifications for Welding of Structural Steel. Only those Electrodes meeting California State Standard Specifications Road and Bridge Construction shall be used. The type of Welding Electrode to be used shall be submitted to the Engineer for approval in the Welding procedure specification.
- All Seal Welds shall be a minimum 1/4" fillet.
- All exposed Steel shall be galvanized or coated with Zinc-rich Paint. If any damage to the galvanizing should occur, Zinc-rich Paint must be applied to the affected area.
- The Contractor shall possess the class (or classes) of licenses as specified in the "Notice to Contractors"
- The Contractor shall verify all dimensions before starting work and notify the Engineer of any discrepancy found
- Where no construction details are shown or noted for any part of the work, the details shall be the same as other similar work.

| BRIDGE INDEX                | BRIDGE NO. |
|-----------------------------|------------|
| A LOS ALAMITOS BLVD. BRIDGE | 55C-0052   |
| B CERRITOS AVE. BRIDGE (LT) | 55C-0264L  |
| C CERRITOS AVE BRIDGE (RT)  | 55C-0264R  |



LOCATION MAP

NTS

**RECORD DRAWING**

|                                       |        |       |                                                                                |           |              |
|---------------------------------------|--------|-------|--------------------------------------------------------------------------------|-----------|--------------|
| DIST                                  | COUNTY | ROUTE | POST MILES TOTAL PROJECT                                                       | SHEET NO. | TOTAL SHEETS |
|                                       |        |       |                                                                                |           |              |
| 10-29-90<br>REGISTERED CIVIL ENGINEER |        |       | DENIS HUGH MORGAN<br>No. 35153<br>EXP. 9-30-91<br>CIVIL<br>STATE OF CALIFORNIA |           |              |
| PLANS APPROVAL DATE                   |        |       |                                                                                |           |              |
| SPONSORING AGENCY                     |        |       |                                                                                |           |              |

## ABBREVIATIONS & SYMBOLS

|          |                         |
|----------|-------------------------|
| ABUT     | ABUTMENT                |
| AVE      | AVENUE                  |
| BLK.     | BLOCK                   |
| BLVD     | BOULEVARD               |
| BOT.     | BOTTOM                  |
| BRG.     | BEARING                 |
| CFS      | CUBIC FEET PER SECOND   |
| CLR.     | CLEARANCE               |
| CONC.    | CONCRETE                |
| DIA.     | DIAMETER                |
| EB.      | EASTBOUND               |
| EBP.     | ELASTOMERIC BEARING PAD |
| EL.      | ELEVATION               |
| EXIST.   | EXISTING                |
| EXTENTS. | EXTENSION               |
| HS.      | HIGH STRENGTH           |
| INV.     | INVERT                  |
| LT.      | LEFT                    |
| L/R      | LEFT AND RIGHT          |
| NTS.     | NOT TO SCALE            |
| O.C.     | ON CENTER               |
| PLCS     | PLACES                  |
| REST.    | RESTRAINER              |
| RT.      | RIGHT                   |
| T.O.FTG. | TOP OF FOOTING          |
| TOT.     | TOTAL                   |
| TYP.     | TYPICAL                 |
| WB.      | WESTBOUND               |
| CL       | CENTERLINE              |
| PL       | STEEL PLATE             |
| Ø        | DIAMETER                |

## LOAD FACTOR DESIGN

DESIGN: AASHTO dated 1989 with interims and as supplemented by  
**CALTRANS BRIDGE DESIGN SPECIFICATIONS** inserts  
 STRUCTURAL STEEL :  $f_y = 36,000$  PSI  
 REINFORCED CONCRETE :  $f_y = 60,000$  PSI  
 $f'_c = 3,250$  PSI  
 $n = 9$

## EARTHQUAKE RETROFITTING PROJECT NO. C05

IN ORANGE COUNTY, CALIFORNIA

IN THE CITY OF LOS ALAMITOS

AT VARIOUS LOCATIONS

to be supplemented by Standard Plans dated January 1988

## PROJECT PLAN

|                                         |                               |                         |                    |                                            |              |                          |                                                                         |                                  |                                                     |                      |
|-----------------------------------------|-------------------------------|-------------------------|--------------------|--------------------------------------------|--------------|--------------------------|-------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------|----------------------|
| ALBERT A. KERCHEVAL<br>DESIGN OVERSIGHT | DESIGN BY CHIN C. CHEN        | CHECKED DONALD L. ALLEN | LOAD FACTOR DESIGN | ORIGINAL SCALE IN INCHES FOR REDUCED PLANS | BY RON BROWN | CHECKED PON-FIN CHEN     | PREPARED FOR THE<br>STATE OF CALIFORNIA<br>DEPARTMENT OF TRANSPORTATION | PROJECT ENGINEER<br>CHIN C. CHEN | BRIDGE NO.<br>55C-0052<br>55C-0264 R/L<br>POST MILE | CONTRACT NO. 159M093 |
| DESIGN DATE                             | DETAILS BY CAD / C.E.JONES    | CHECKED BRYAN PETERS    | LAYOUT             | BY CHIN C. CHEN                            | CHECKED      | PLANS AND SPECS COMPARED |                                                                         |                                  |                                                     |                      |
|                                         | QUANTITIES BY BRYAN D. PETERS | CHECKED PON-FIN CHEN    | SPECIFICATION      |                                            |              |                          |                                                                         |                                  |                                                     |                      |

ORIGINAL SCALE IN INCHES  
FOR REDUCED PLANS

0 1 2 3

CU  
EA

DISREGARD PRINTS BEARING  
EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

SHEET OF

1 18