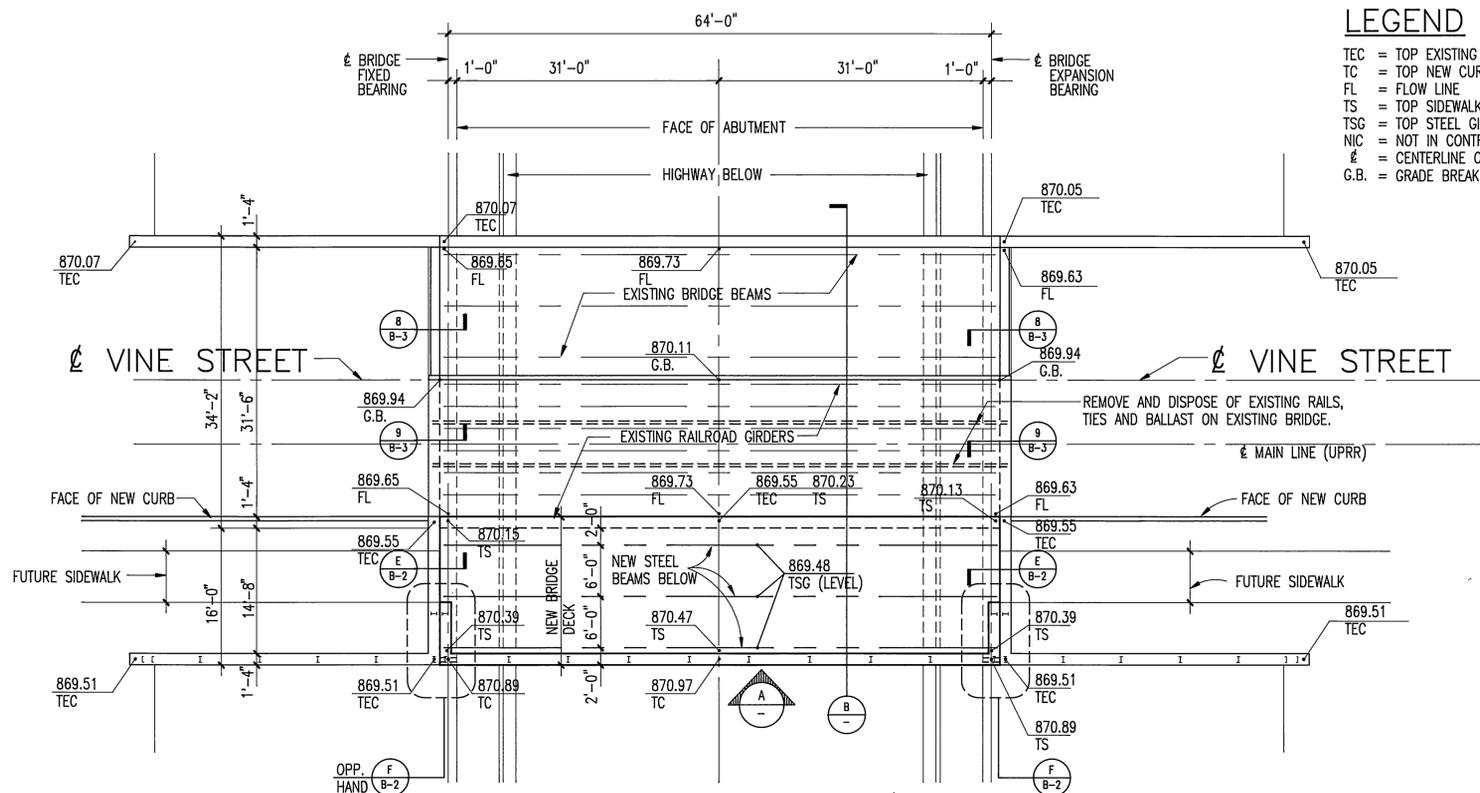
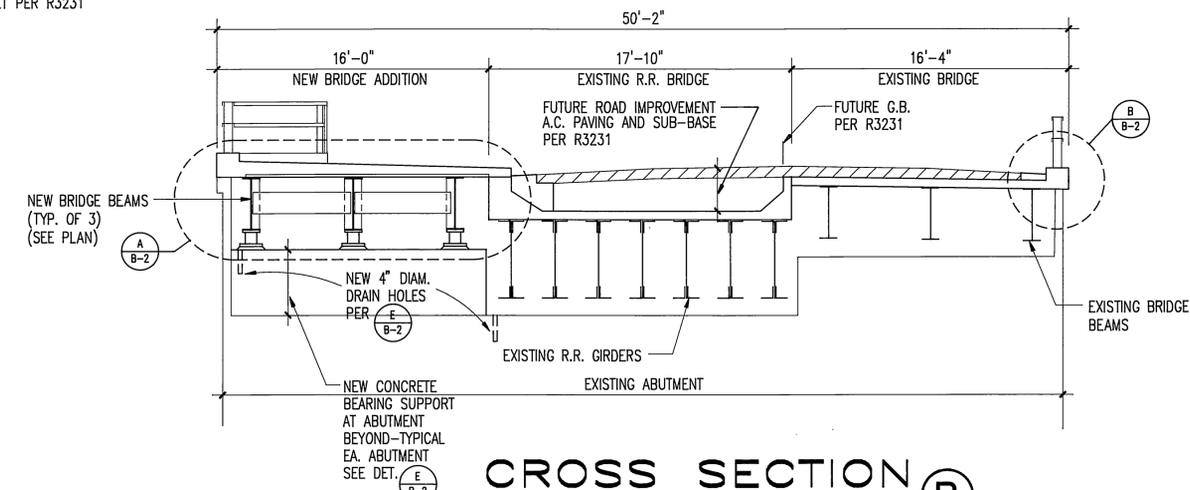
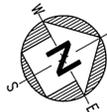


**LEGEND**

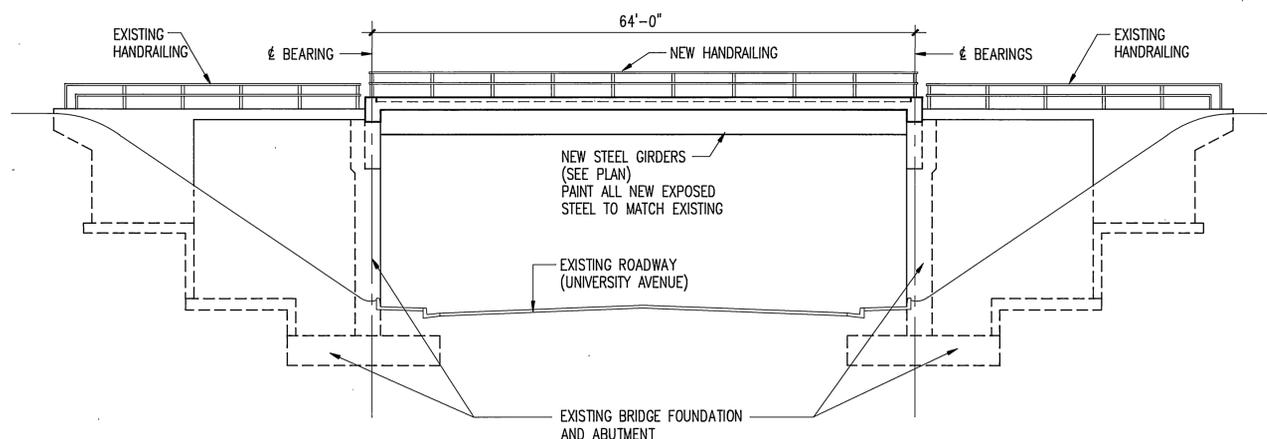
TEC = TOP EXISTING CURB  
 TC = TOP NEW CURB  
 FL = FLOW LINE  
 TS = TOP SIDEWALK  
 TSG = TOP STEEL GIRDER  
 NIC = NOT IN CONTRACT  
 CL = CENTERLINE OF PROPOSED STREET PER R3231  
 G.B. = GRADE BREAK PER R3231



**PLAN**  
 SCALE : 1" = 10'-0"



**CROSS SECTION B**  
 SCALE : 1" = 5'-0"  
 SOUTH ABUTMENT SHOWN  
 NORTH ABUTMENT OPP. HAND



**ELEVATION A**  
 (LOOKING WEST)  
 SCALE : 1" = 10'-0"

**DESIGN LOADS**

AASHTO H-20 (ORIGINAL HIGHWAY SPAN AND NEW SIDEWALK)  
 COOPERS E-75 (ORIGINAL RAILWAY PORTION)

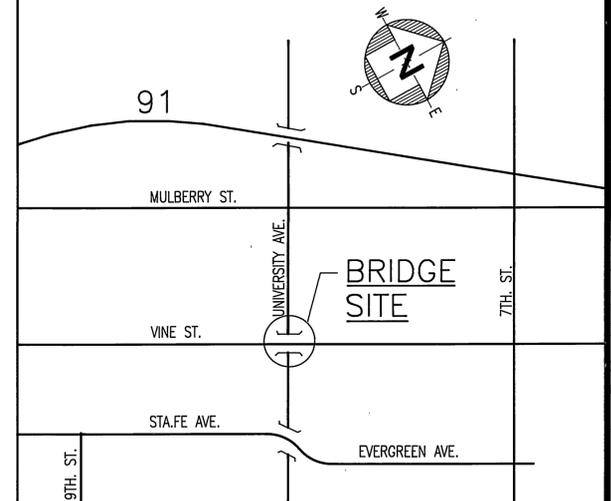
**MATERIAL SPECIFICATIONS**

CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3250 psi.  
 REINFORCING -- Fy= 60,000 psi.  
 STRUCTURAL STEEL SHALL CONFORM TO ASTM A-36.  
 STEEL DECKING SHALL CONFORM TO ASTM A-446 GRADE "A" - GALVANIZED.  
 MISCELLANEOUS MATERIALS SHALL CONFORM TO THE MOST CURRENT EDITION OF THE CAL-TRANS STANDARD SPECIFICATIONS.  
 STEEL DECK SECTION SHALL CONFORM TO THE FOLLOWING STRUCTURAL PROPERTIES:  
 2" TOTAL DEPTH CELLULAR TYPE COMPOSITE DECK  
 UPPER SHEET TO BE CORRUGATED 18 GA. GALVANIZED STEEL (COMPOSITE TYPE)  
 BOTTOM SHEET TO BE UN-CORRUGATED 18 GA. GALVANIZED STEEL WITH ONE 1" DIAMETER VENT HOLE NEAR EACH END OF EACH CELL.  
 PAINT #1 - SILVER/GREY LEAD BASED PAINT TO MATCH COLOR, TYPE AND MANUFACTURER OF PAINT ON EXISTING BRIDGES.  
 INTENT IS TO ALLOW ALL SECTIONS OF ENTIRE BRIDGE TO BE REPAINTED IN FUTURE WITHOUT COMPATIBILITY PROBLEMS.  
 PAINT #2 - RED/BROWN OR AS REQ'D. TO MATCH PAINT COLOR, TYPE AND MANUFACTURER OF PAINT ON EXISTING HANDRAILS.  
 FUTURE REPAINT COMPATIBILITY REQUIRED.

**CONSTRUCTION SPECIFICATIONS**

CONSTRUCTION METHODS AND PRACTICES SHALL CONFORM TO THE REQUIREMENTS OF THE MOST CURRENT EDITION OF THE CAL-TRANS STANDARD SPECIFICATIONS AND THE STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION, 1988 EDITION (1988 & 1990 SUPPLEMENTS).

**VICINITY MAP**



**SHEET INDEX**

- B-1 PLAN, ELEVATION, CROSS SECTION AND SPECIFICATIONS.
- B-2 SECTIONS & DETAILS
- B-3 SECTIONS & DETAILS



**JOHNSON & NIELSEN ASSOCIATES**  
 CONSULTING STRUCTURAL ENGINEERS  
 1650 IOWA AVE., #110, (714) 886-5122  
 RIVERSIDE, CALIFORNIA 92507

EDA PROJECT  
 No. 07-01-03135

**CITY OF RIVERSIDE  
 PUBLIC WORKS DEPARTMENT**

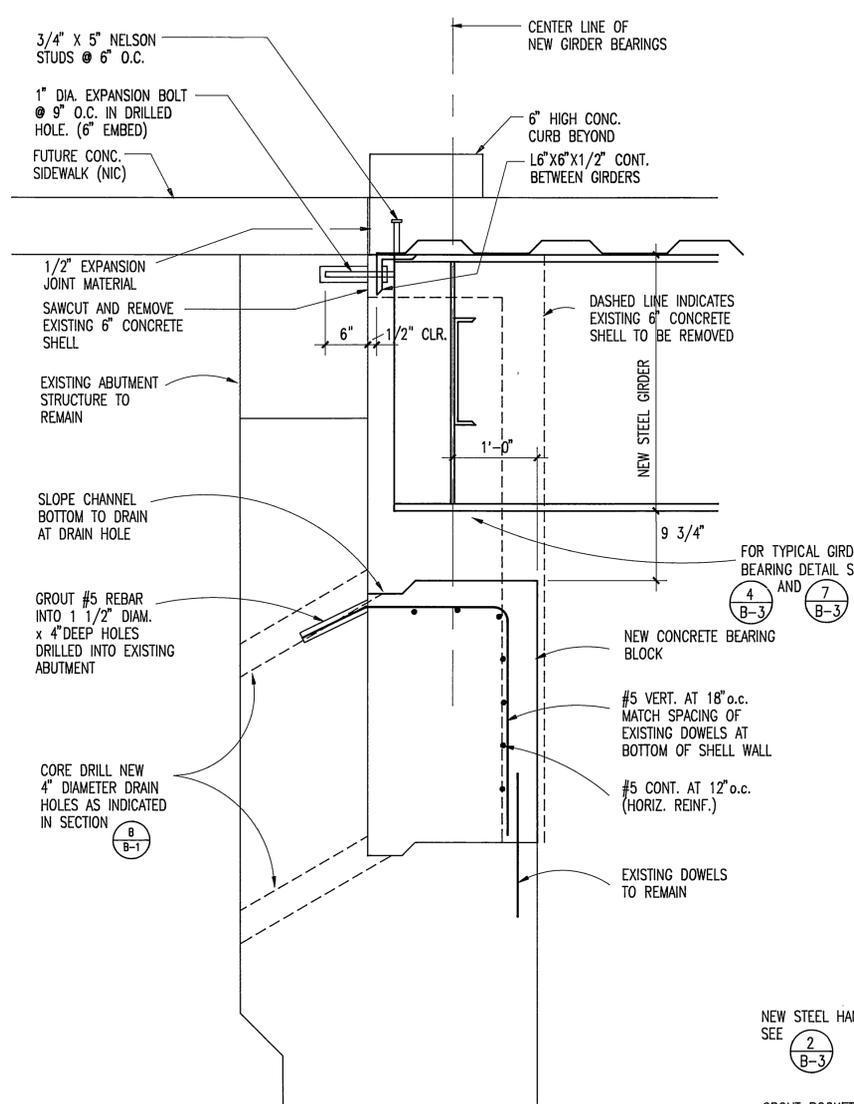
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| APPROVED BY        | DATE    | BY       | APPROVED BY           | DATE       |
| PRINCIPAL ENGINEER | 6/26/91 | LM       | [Signature]           | 7/5/91     |
| TRAFFIC DIVISION   | 7-5-91  | LM       | PUBLIC WORKS DIRECTOR |            |
| DESIGNED BY        | LM      | DRAWN BY | MJB                   | CHECKED BY |
|                    |         |          |                       | LM         |

**PLAN, ELEVATION,  
 CROSS SECTION AND  
 SPECIFICATIONS**

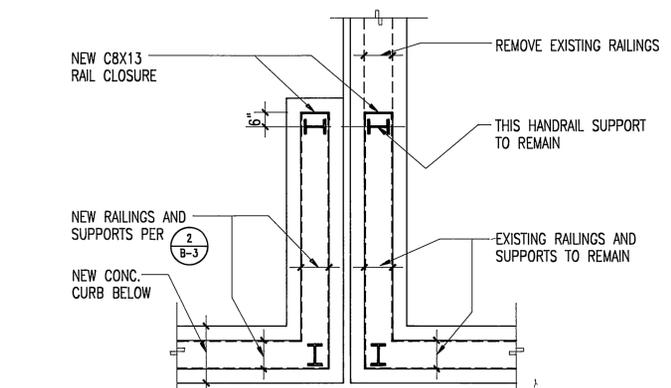
ACCOUNT NO.  
**B-1**  
 SHEET 1 OF 3

HORIZ. SCALE: AS NOTED VERT. SCALE: AS NOTED

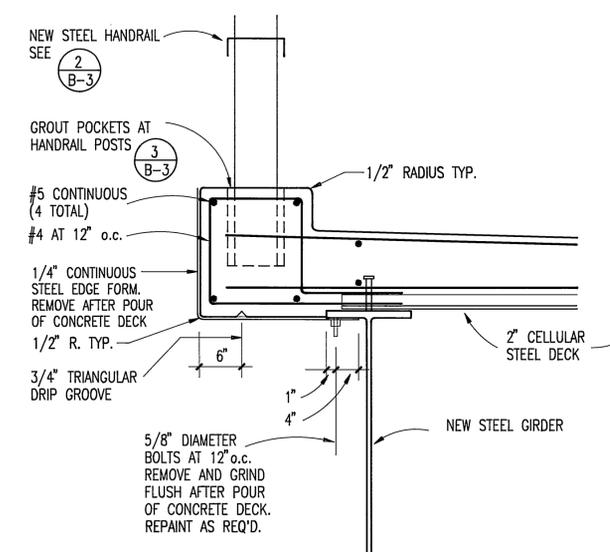
INDEXED 6-17-92 LHM File W/ R-3231



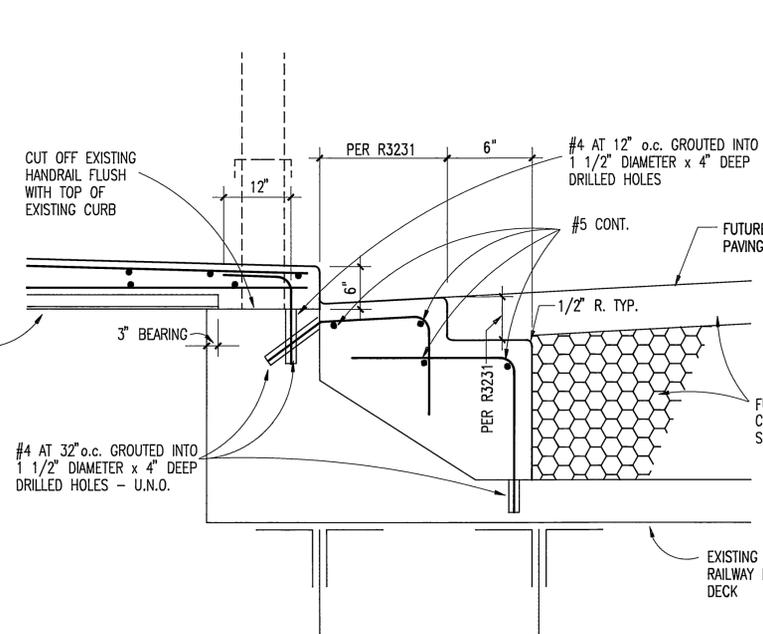
**DETAIL E**  
SCALE: 1"=1'-0"



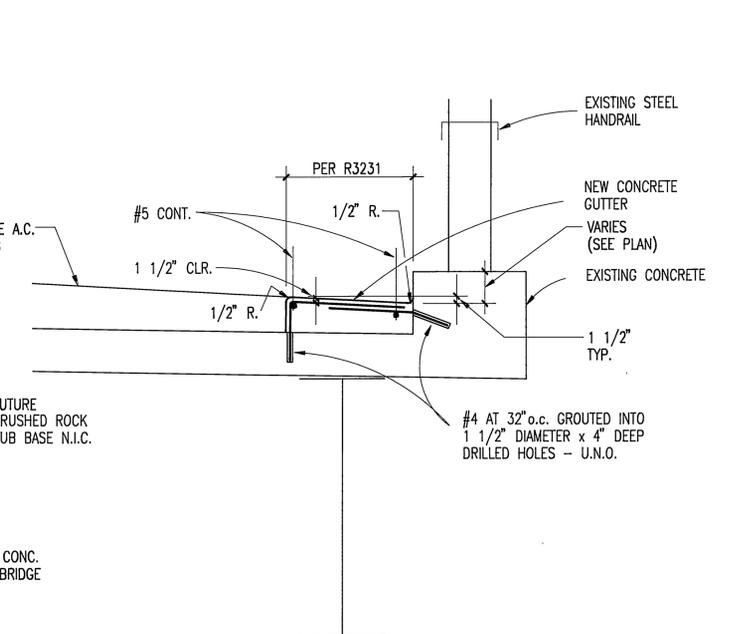
**PLAN F**  
SCALE: 1"=1'-0"



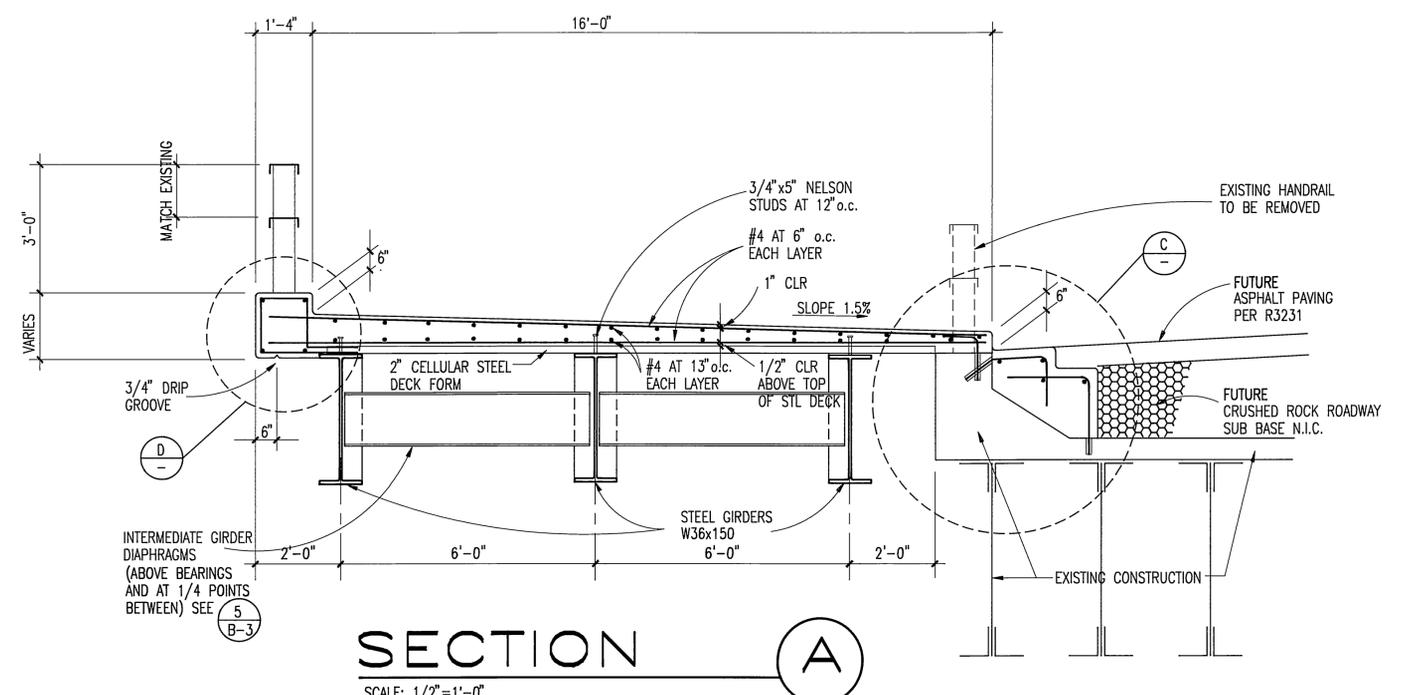
**DETAIL D**  
SCALE: 1"=1'-0"



**DETAIL C**  
SCALE: 1"=1'-0"



**DETAIL B**  
SCALE: 1"=1'-0"



**SECTION A**  
SCALE: 1/2"=1'-0"



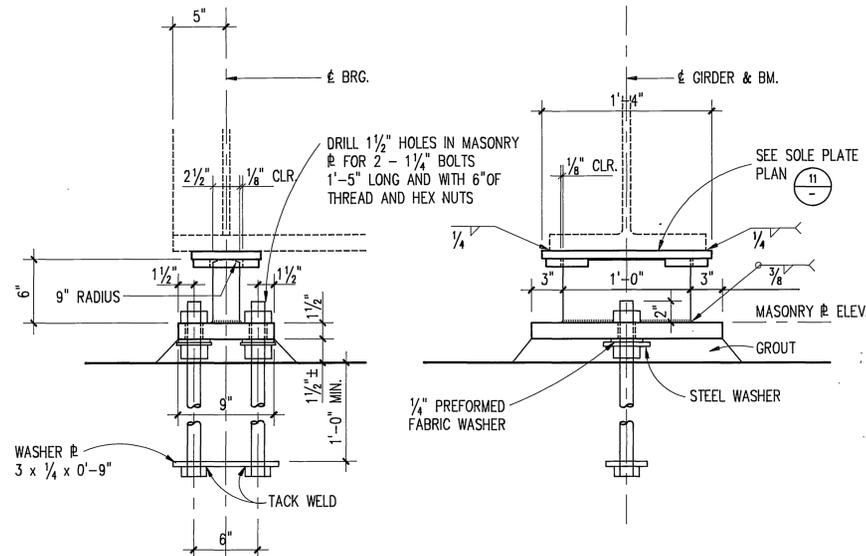
**JOHNSON & NIELSEN ASSOCIATES**  
CONSULTING STRUCTURAL ENGINEERS  
1650 IOWA AVE., #110, (714) 686-5122  
RIVERSIDE, CALIFORNIA 92507

|             |    |          |      |            |    |
|-------------|----|----------|------|------------|----|
| DESIGNED BY | LM | DRAWN BY | FG   | CHECKED BY | LM |
| REVISIONS   |    | APPR.    | DATE |            |    |

| CITY OF RIVERSIDE<br>PUBLIC WORKS DEPARTMENT |         |             |         |
|--|---------|-------------|---------|
| APPROVED BY                                  | DATE    | BY          | DATE    |
| PRINCIPAL ENGINEER                           | 6/26/91 | [Signature] | 7/13/91 |
| PARK DEPARTMENT                              | 7-7-91  | [Signature] | 7/13/91 |
| TRAFFIC DIVISION                             | 6-27-91 | [Signature] | 7/13/91 |
| CHEF P. W. ENGINEER                          | 6/26/91 | [Signature] | 7/13/91 |

| SECTIONS AND DETAILS   |                       | ACCOUNT NO.  |
|------------------------|-----------------------|--------------|
|                        |                       | B-2          |
|                        |                       | SHEET 2 OF 3 |
| HORIZ. SCALE: AS NOTED | VERT. SCALE: AS NOTED |              |

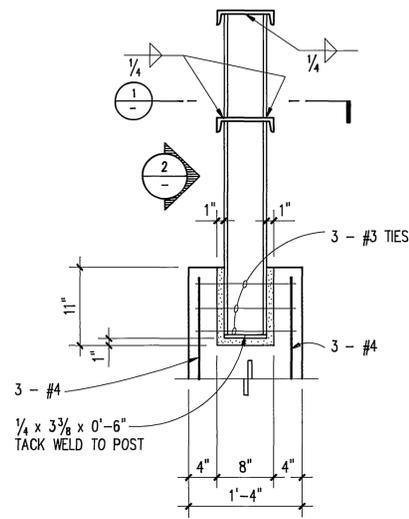
INDEXED 6-17-92 LHM FILE W/R-3231



**FIXED BEARING ASSEMBLY**

SCALE: 1 1/2" = 1'-0" LOCATED AT SOUTH END OF BRIDGE - VERIFY WITH EXISTING

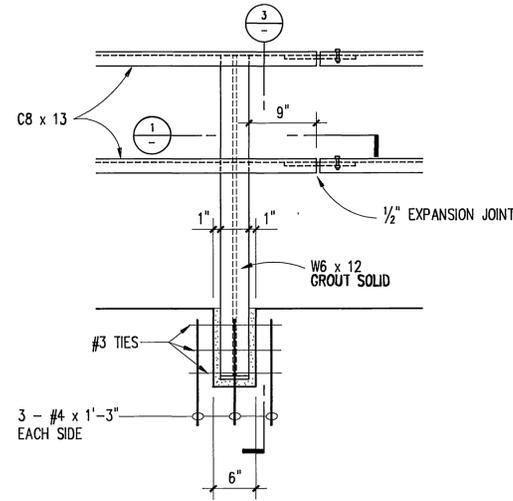
4



**TYPICAL POST**

SCALE: 1" = 1'-0"

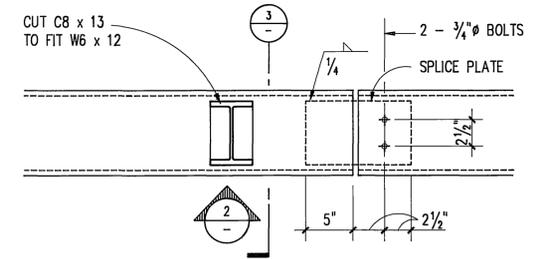
3



**ELEVATION**

SCALE: 1" = 1'-0"

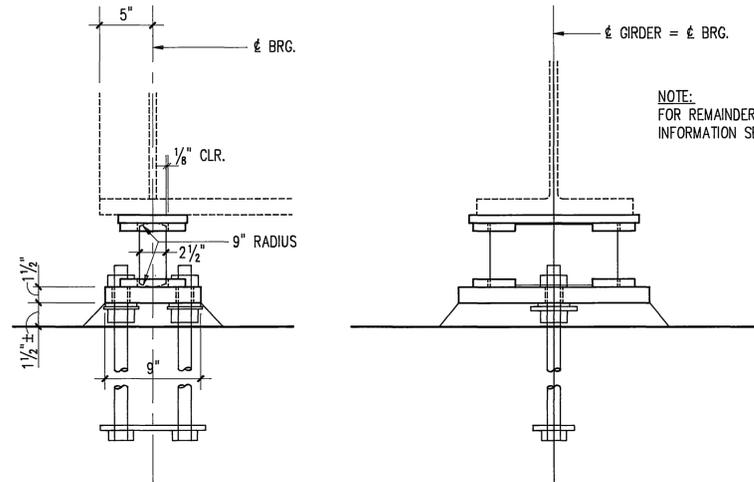
2



**SECTION**

SCALE: 1 1/2" = 1'-0"

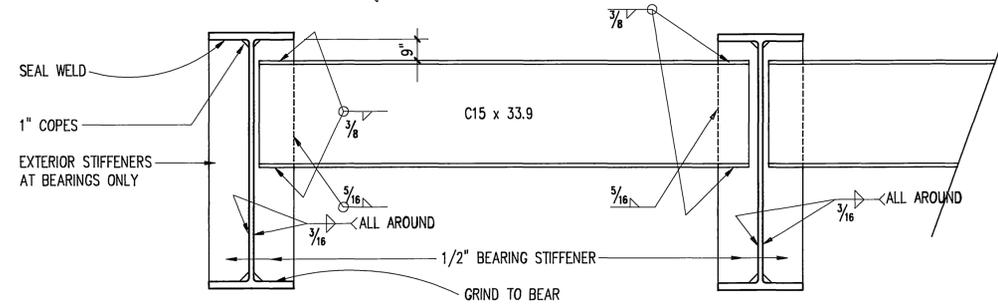
1



**EXPANSION BEARING ASSEMBLY**

SCALE: 1 1/2" = 1'-0" LOCATED AT NORTH END OF BRIDGE - VERIFY WITH EXISTING

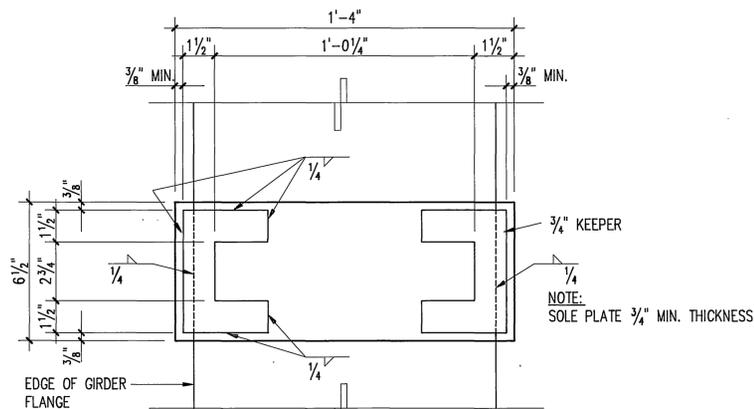
7



**TYPICAL DIAPHRAGM**

SCALE: 1" = 1'-0"

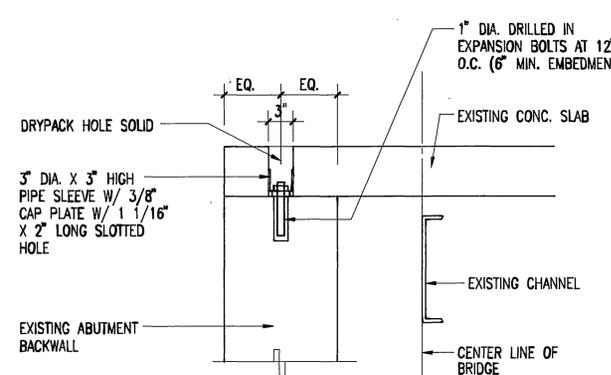
5



**SOLE PLATE PLAN**

SCALE: 3" = 1'-0"

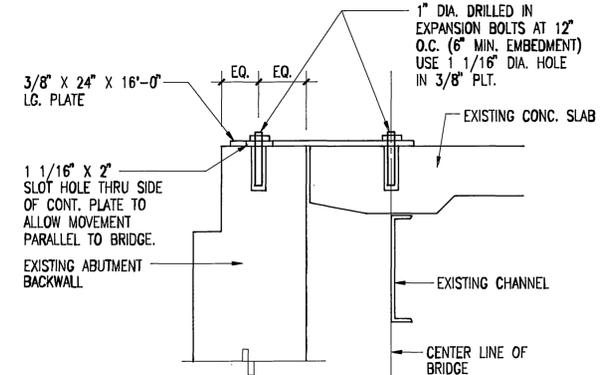
11



**DETAIL**

SCALE: 1" = 1'-0"

9



**DETAIL**

SCALE: 1" = 1'-0"

8



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|             |    |          |     |            |    |
|-------------|----|----------|-----|------------|----|
| DESIGNED BY | LM | DRAWN BY | MJB | CHECKED BY | LM |
| REVISIONS   |    | APPR.    |     | DATE       |    |

|                          |         |                                |         |
|--------------------------|---------|--------------------------------|---------|
| <b>CITY OF RIVERSIDE</b> |         | <b>PUBLIC WORKS DEPARTMENT</b> |         |
| APPROVED BY              | DATE    | BY                             | DATE    |
| PRINCIPAL ENGINEER       | 6/26/91 | <i>[Signature]</i>             | 6/26/91 |
| PARK DEPARTMENT          |         |                                |         |
| TRAFFIC DIVISION         | 6-27-91 |                                |         |
| CHIEF P. W. ENGINEER     | 6/26/91 |                                |         |

**SECTIONS AND DETAILS**

HORIZ. SCALE: AS NOTED VERT. SCALE: AS NOTED

ACCOUNT NO.  
**B-3**  
SHEET 3 OF 3

EDA PROJECT  
No. 07-01-03135