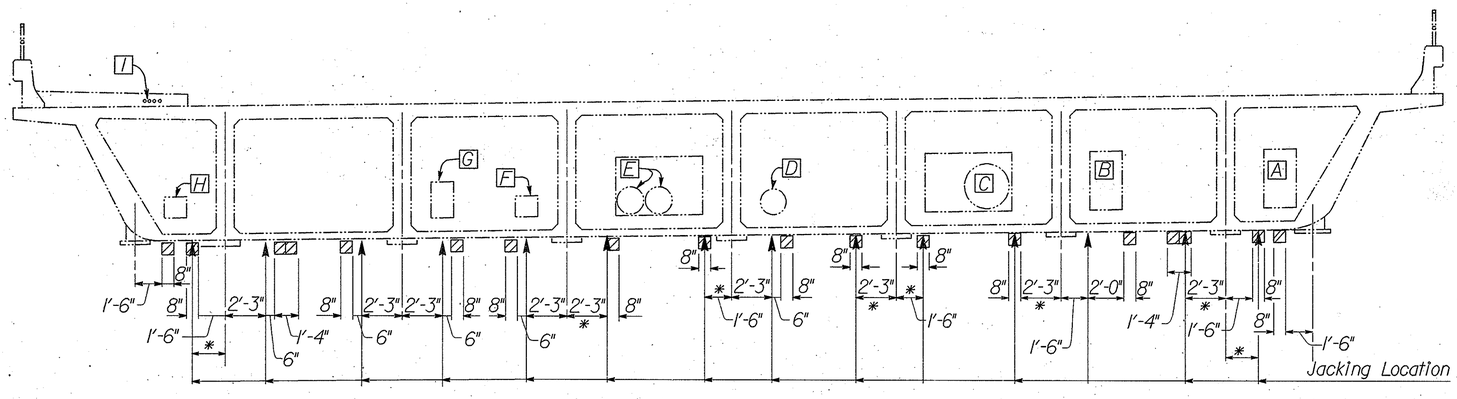


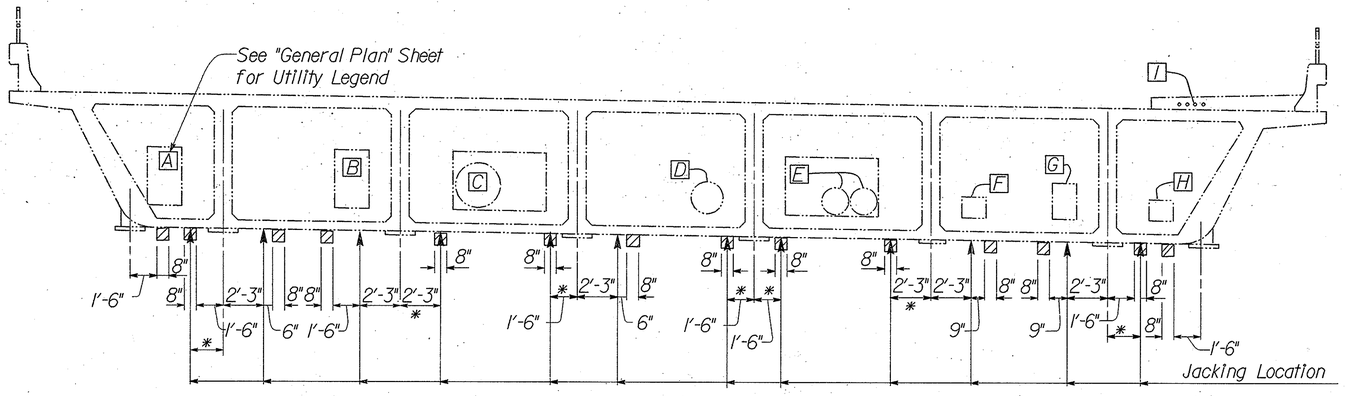
ABUTMENT 1

JACKING LOCATIONS

1/4"=1'-0"

(LOOKING WEST)

* - See Note 5



ABUTMENT 8

JACKING LOCATIONS

1/4"=1'-0"

(LOOKING EAST)

* - See Note 5

Notes:

1. The CONTRACTOR shall verify utility opening locations. Neither jacks nor temporary supports shall be place directly under large openings in the abutment diaphragm.
2. ☑ Denotes temporary supports. Temporary support WOOD ⚠ BLOCKS ~~plates~~ shall be ~~8"x8"~~ 12"x12" ⚠ x height for shoring.
3. Detour traffic per the Special Provisions.
4. See General Plan Sheet for Descriptions of Utilities A - I
5. Measurements are along new ℄ ⚠ OF bearing. For locations where jack and temporary support coincides, (denoted by *) place jack and temporary support ~~in line with~~ ⚠ IN A LINE PARALLEL TO the bridge center line.

JACKING PROCEDURES:

Jacking procedures shall follow the prescribed order:

1) Place jacks under diaphragms as noted on this sheet. The jacks shall be in interconnected through a system to ensure evenly distributed loads and a uniform vertical lift at both abutments. Traffic shall not be allowed on the bridge while the bridge is being jacked or is supported by jacks only. A traffic detour plan must be submitted 14 days in advance of the bridge closure. Do not raise the bridge more than 1/2" in order to avoid damage to the bridge and utilities. Top and bottom jacking plates are to be at least 9"x9"; and flexural stresses in the plates shall not exceed 0.6 yield stress. The original design loads per girder under service load, are as follows:

   Live Load = 50 kip/Girder
   Dead Load = 157 kip/Girder

2) Place temporary supports under diaphragms. Use shims if necessary to ensure evenly distributed supporting forces. Variations in temporary support placement from that shown on this sheet shall be submitted and approved by the engineer. Jacks may be released and removed. Traffic may be returned to the bridge.

3) Remove existing rollers and stoppers.

4) After the abutment seats/pedestals have been cast and reached their design strength, install elastomeric bearing pads.

5) Jack Bridge, Remove temporary supports.

6) Lower the superstructure onto the new bearing assemblies. Traffic may be returned to the bridge.

7) Remove jacks.

NOTE: The Contractor shall verify all controlling field dimensions before jacking the bridge, ordering or fabricating any material. See Special Provisions for Construction Sequence.

1 1/2 0 1 2
3 inches on original drawing

MARK	DATE	DESCRIPTION
⚠	9-94	AS SHOWN

REVISIONS

ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY

SANTA MARGARITA PARKWAY BRIDGE

ABUTMENT DETAIL NO. 3

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ARCHITECTS ENGINEERS PLANNERS
4 EXECUTIVE CIRCLE
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PREPARED UNDER SUPERVISION OF

REGISTERED PROFESSIONAL ENGINEER
William R. Hughes
No. C 044637
Exp. 03-31-94
CIVIL
STATE OF CALIFORNIA
9/30/92

DESIGNED C. Chen
DRAWN N. Morales
CHECKED D. Besser
SCALE AS SHOWN
DATE 9/92
DRAWING NO.
SHEET 5 OF 7