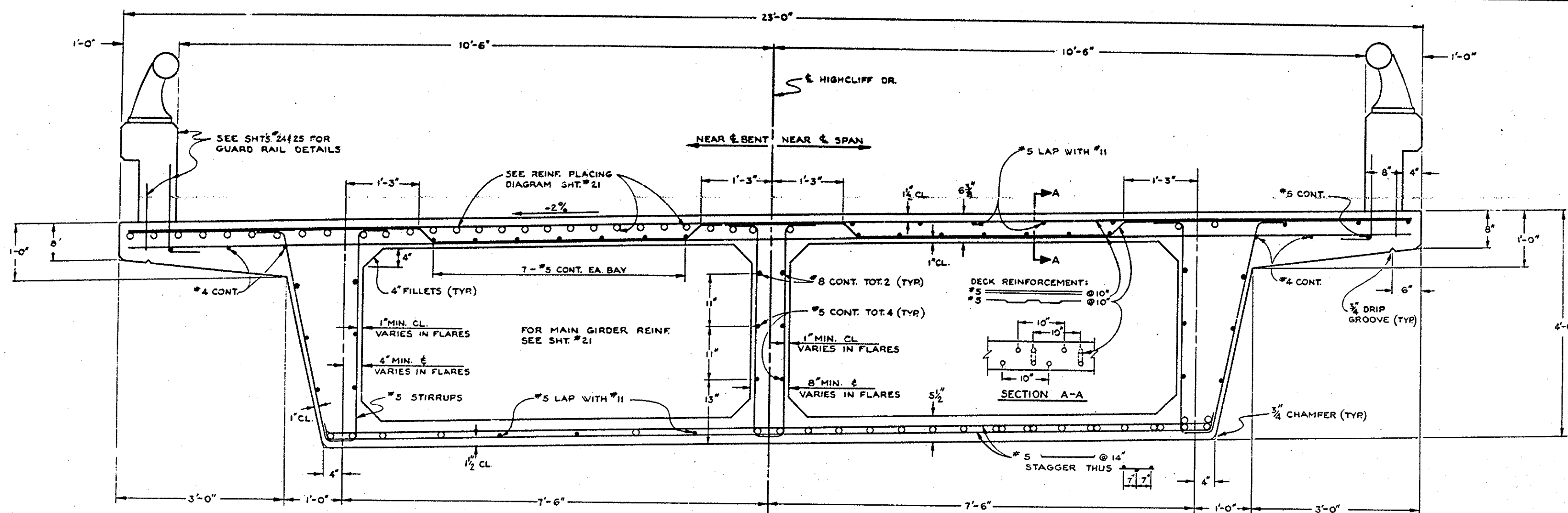
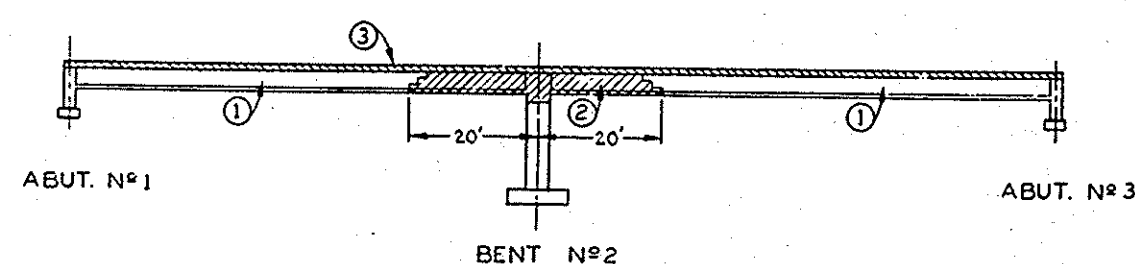




TYPICAL SECTION

SCALE — 1" = 1'-0"



BOX GIRDER SUPERSTRUCTURE PLACING DIAGRAM

NUMBER (1) AND (2) INDICATE SEQUENCE OF PLACING BOTTOM FLANGE AND GIRDER STEM CONCRETE WHEN EACH SECTION CONSTITUTES A SEPARATE POUR. (1) AND (2) SECTIONS MAY BE PLACED IN ONE CONTINUOUS POUR, PROGRESSING FROM ONE END PROVIDING (1) SECTIONS ARE PLACED ON EITHER SIDE OF THE (2) SECTIONS WHICH ARE PLACED DURING THIS POUR.

TCP SLAB CONCRETE (3) SHALL BE PLACED SEPARATELY FROM (1) AND (2). (3) MAY BE PLACED CONTINUOUSLY OR IN PARTS AS APPROVED BY THE ENGINEER, PROVIDING NO TRANSVERSE CONSTRUCTION JOINTS FALL WITHIN THE (2) AREAS.

NO DEVIATIONS FROM THE ABOVE MAY BE MADE UNLESS APPROVED BY THE ENGINEER.

GENERAL NOTES

SPECIFICATIONS:

Design: A.A.S.H.O. dated 1961 with subsequent revisions, and Calif. Division of Highways Bridge Planning and Design manual.

*Construction: Standard Specifications, Division of Highways, Calif.
dated July 1964 and the special provisions.*

LIVE LOADING: H20-S16-44 & Alternate

UNIT STRESSES:

Reinforcing Steel: f_s tension = 20,000 p.s.i.
 f_s comp. = 16,000 p.s.i.

Concrete: $f_c = 1,300 \text{ p.s.i.}$, $f_c' = 3,250 \text{ p.s.i.}$
 $f_c = 1,600 \text{ p.s.i.}$, $f_c' = 4,000 \text{ p.s.i.}$ (Column only)
 $v_c = 90 \text{ p.s.i.}$, $n = 10$

PILE LOADING: 45 Tons Type: Class I, reinforced concrete.

REINFORCEMENT: Embedment is clear to outside of bar and is 2" to main reinforcement, except as noted. Backing for hooks is four diameters, except as noted.
Where reinforcing bars are spliced they shall have a 20 diameters lap unless otherwise noted.

CONCRETE: Class "A" using type II portland cement.

AS BUILT

9928
Newport Boulevard
Sheet 22 of 60
Red. 22.5:1 Scale: as shown
Sepia

NEWPORT BLVD.
BRIER LANE TO CHAPMAN AVE.
HIGHCLIFF DR. OVERCROSSING
BRIDGE 0X-2
TYPICAL SECTION

TYPICAL SECTION

NOTED

Dr. 13 (9928)