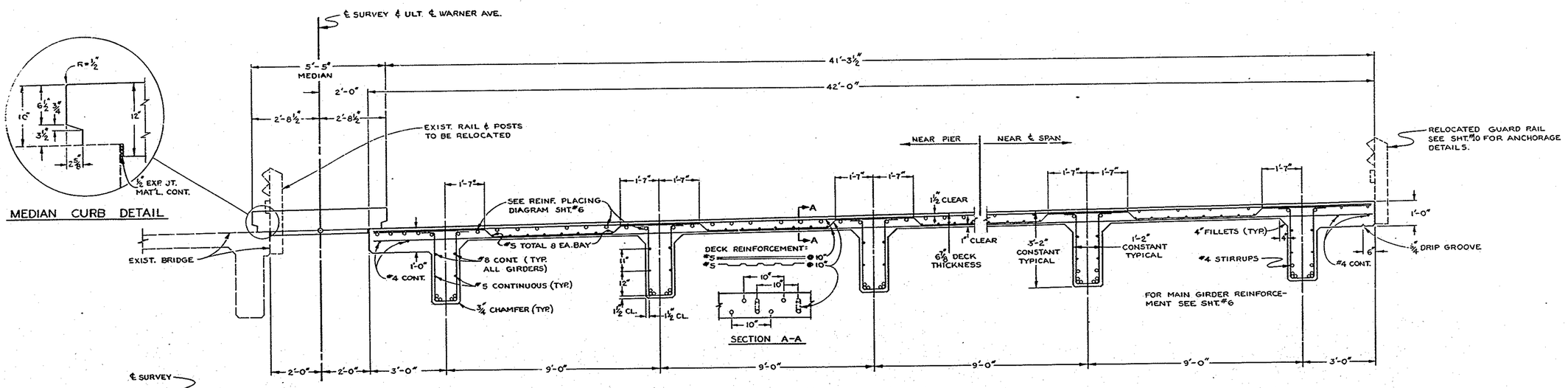
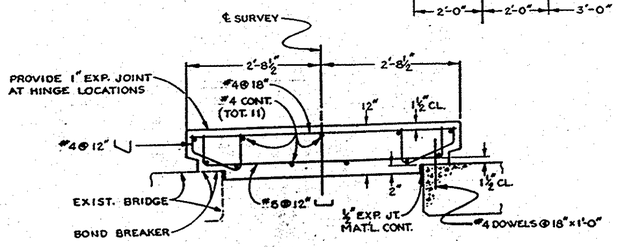
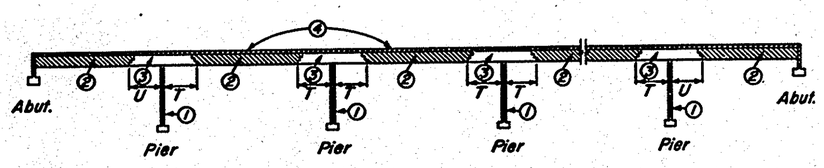


TYPICAL SECTION
NO SCALE



MEDIAN REINFORCEMENT DETAIL
SCALE — ¾"=1'-0"



TEE BEAM SUPERSTRUCTURE PLACING DIAGRAM

Numbers (2) and (3) indicate sequence of placing girder stem concrete. (3) may be placed simultaneously with (2) when approved by the Engineer, and provided that the (2) sections are placed in both adjoining spans.

Top slab concrete (4) shall be placed separately from (2) and (3). (4) may be placed continuously or in parts as approved by the Engineer.

T = 1/5 span length
U = 1/4 span length

For any deviation from the above the contractor shall submit a diagram to 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*

UNIT STRESSES:

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

Concrete: f_c = 1,200 p.s.i., f_c' = 3,000 p.s.i.
n = 10
v_c = 90 p.s.i.

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

REINFORCEMENT: *Embedment is clear to ouside 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.*

ORANGE COUNTY ROAD DEPARTMENT

WARNER AVE. BRIDGE WIDENING SA-30A
ACROSS
SANTA ANA RIVER
TYPICAL SECTION

NOTED 7 12

DR 30(98031)