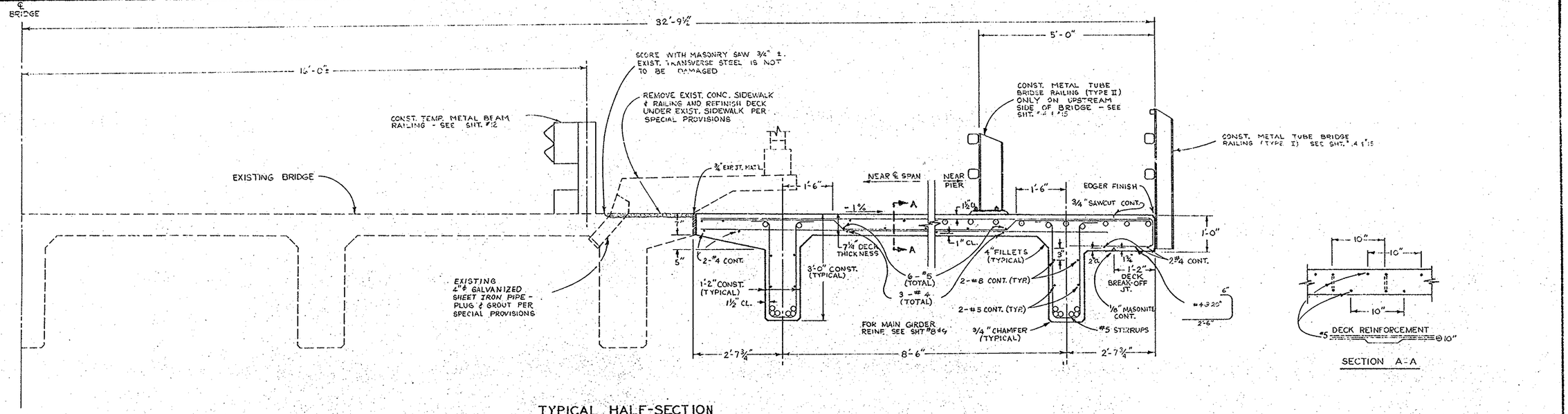
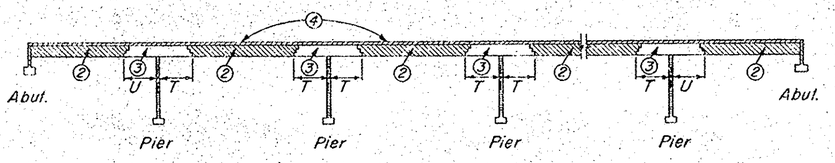


TYPICAL HALF-SECTION

LOOKING DOWN STATION
SCALE - NONE

SECTION A-A



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 1969 with subsequent revisions, and Calif. Division of Highways Bridge Planning and Design manual.

Construction: Standard Specifications, Division of Highways, Calif. dated Jan. 1969 and the special provisions.

LIVE LOADING: HS20-44 and Alternate

UNIT STRESSES:
Reinforcing Steel: f_s tension = 24,000 p.s.i.

Concrete: f_c = 1,300 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 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 36 diameters lap unless otherwise noted.

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

T-3041(45)

ORANGE COUNTY ROAD DEPARTMENT

GARDEN GROVE BLVD
BRIDGE SA-18
OVER
SANTA ANA RIVER

TYPICAL SECTION

SCALE AS NOTED

DR. 7 (10644)