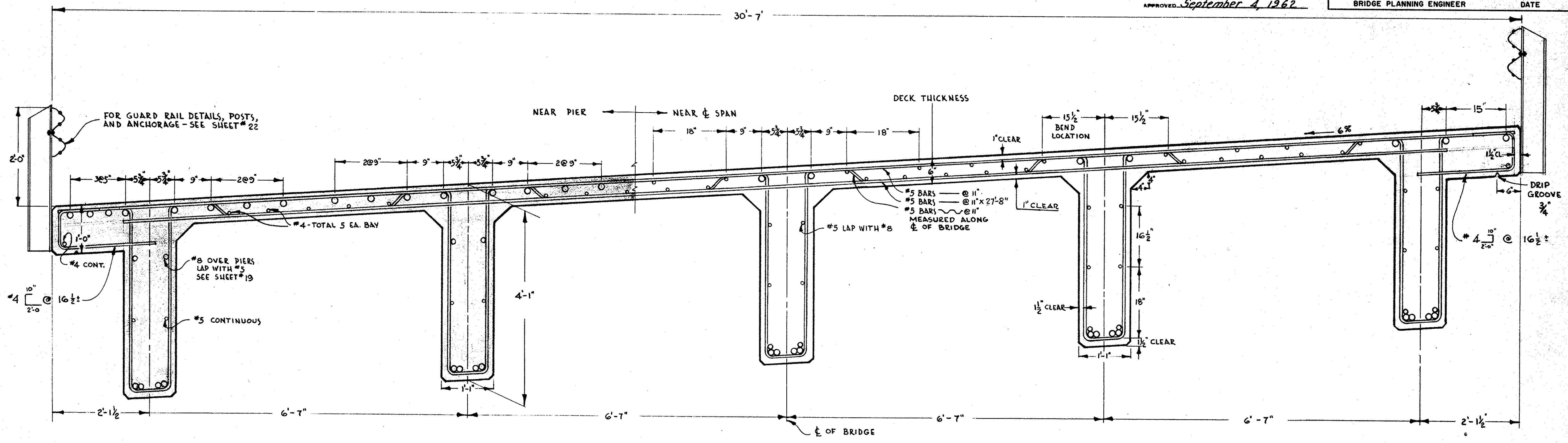
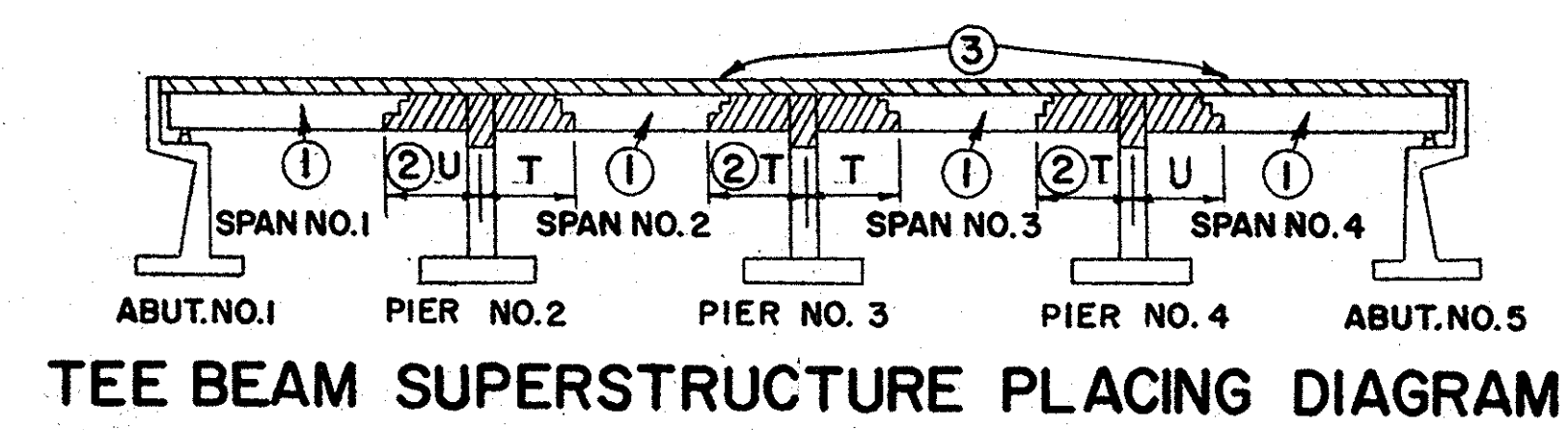


BRIDGE ENGINEER CIVIL ENGINEER—LICENSE 5585
 APPROVED *September 4, 1962*

COUNTY ROAD COMMISSIONER
 DATE
 BRIDGE PLANNING ENGINEER
 DATE



TYPICAL SECTION (RADIAL)
 SCALE 1" = 1'-0"



TEE BEAM SUPERSTRUCTURE PLACING DIAGRAM

NUMBERS (1) AND (2) INDICATE SEQUENCE OF PLACING GIRDER STEM CONCRETE (2) MAY BE PLACED SIMULTANEOUSLY WITH (1) WHEN APPROVED BY THE ENGINEER, AND PROVIDED THAT THE (1) SECTIONS ARE PLACED IN ADJOINING SPANS.

TOP SLAB CONCRETE (3) SHALL BE PLACED SEPARATELY FROM (1) AND (2). (3) MAY BE PLACED CONTINUOUSLY OR IN PARTS AS APPROVED BY THE ENGINEER, HOWEVER THE ONLY JOINTS PERMITTED SHALL BE LOCATED WITHIN 2'-0" OF THE GIRDER JOINTS BETWEEN (1) AND (2).

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 REVISIONS AND AS SUPPLEMENTED BY BRIDGE PLANNING AND DESIGN MANUAL.

CONSTRUCTION: STANDARD SPECIFICATIONS, DIVISION OF HIGHWAYS, CALIF., DATED JANUARY 1960 AND THE SPECIAL PROVISIONS.

LIVE LOADING: H 20 - S16-44

UNIT STRESSES: REINFORCED CONCRETE: $f_s = 20,000$ P.S.I., $n = 10$
 $f_c = 1,200$ P.S.I.

ABUT. FOOTING LOADING: EAST ABUT. - .75 TONS/S.F. WEST ABUT. - 2.0 TONS/S.F.

PIER FOOTING LOADING: 4.4 TONS/S.F.

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 DIAMETER LAP UNLESS OTHERWISE NOTED.

CONCRETE: CLASS "A" USING TYPE II PORTLAND CEMENT.
 ALL EXPOSED EDGES OF CONCRETE SHALL HAVE 1" CHAMFER UNLESS OTHERWISE NOTED.

AS BUILT

CONTRACT NO. 63-TY2463-P
 RESIDENT ENGR. D.E. Bourgeois
 DATE 6/21/63

ORANGE COUNTY HIGHWAY DEPARTMENT

**SANTIAGO CANYON
 BRIDGE SC-9**

TYPICAL SECTION

SCALE 1" = 1'-0" SHEET 18 OF 29

Structural Details
 Checked By
 Reviewed By
 Approved By

25