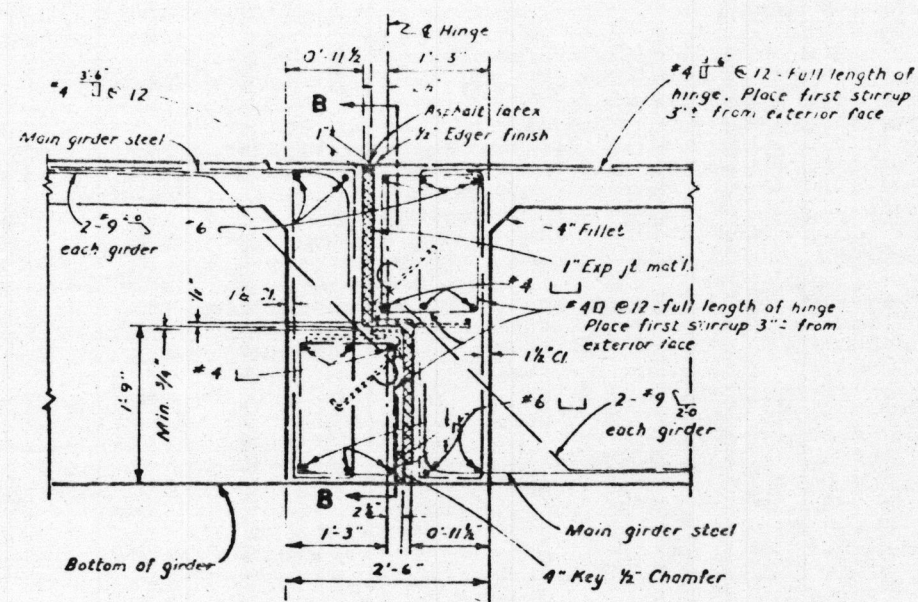
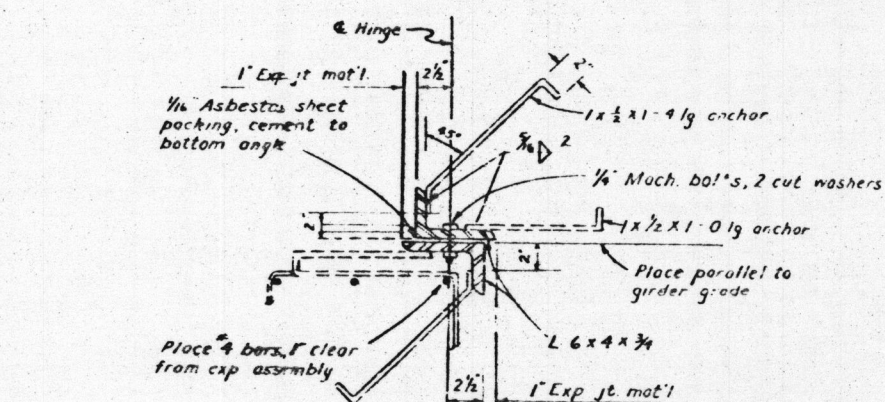
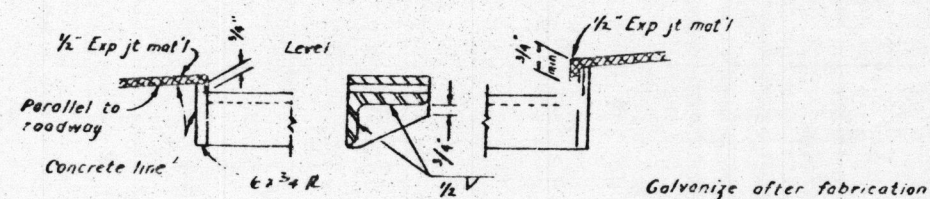




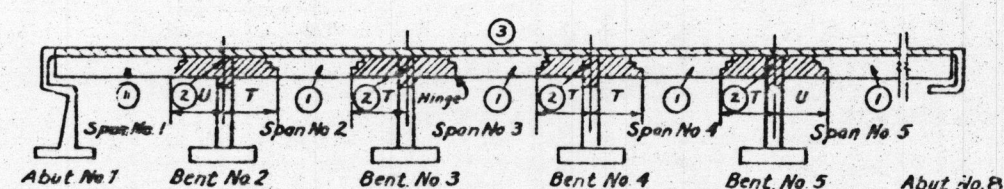
TYPICAL EXPANSION HINGE
Scale 3/4" = 1'-0"



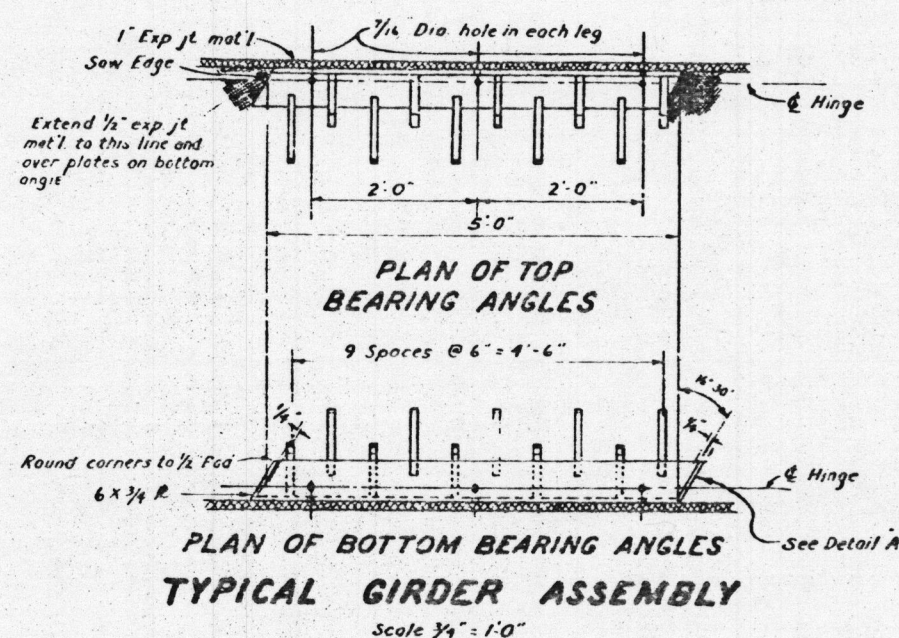
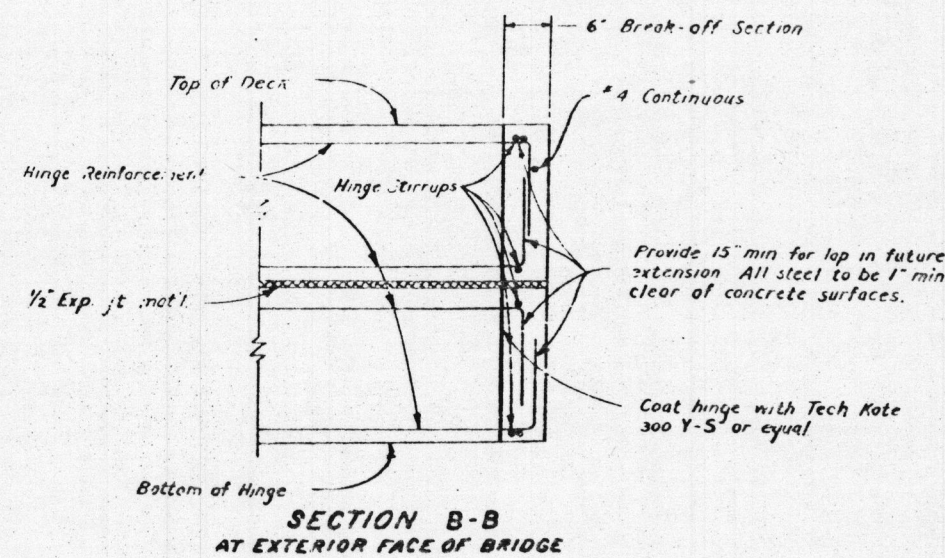
SECTION THRU EXPANSION ASSEMBLY
Scale 1/2" = 1'-0"



DETAIL 'A'
Scale 1/2" = 1'-0"

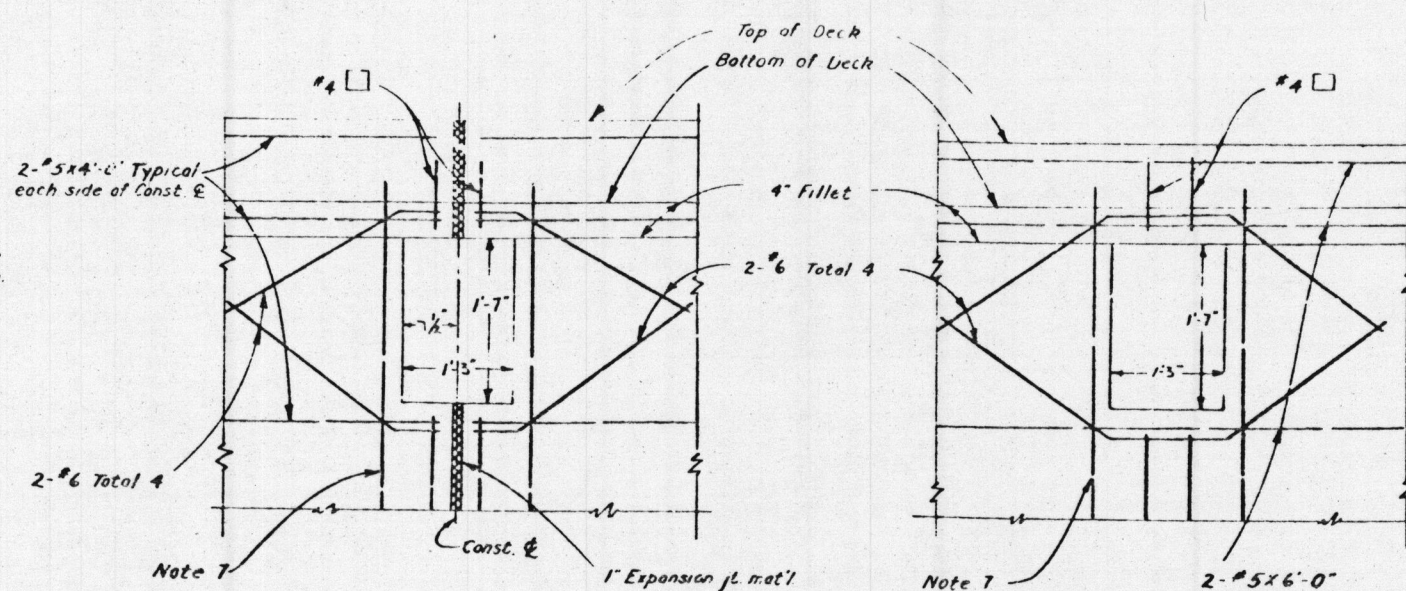


Numbers (1) and (2) indicate sequence of placing girder stem concrete. (2) may be placed simultaneously with (1) when approved by the Engineer, and provided that the (1) sections are placed in adjoining spans.
Top slab concrete (3) shall be placed separately from (1) and (2). (3) may be placed continuously 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 = 1/2 Span length
U = 1/4 Span length
For any variation from the above the contractor shall submit a diagram to the Engineer.



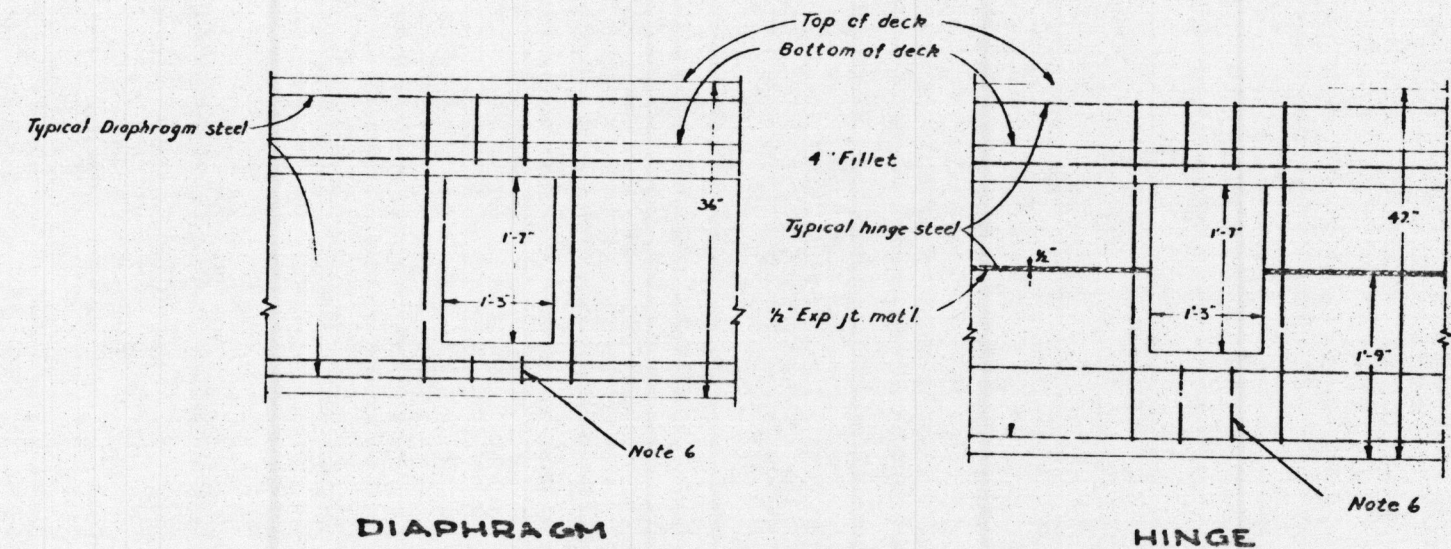
TYPICAL GIRDER ASSEMBLY
Scale 3/4" = 1'-0"

To provide for free movement of the completed hinge, abutting surfaces of steel and concrete are to be completely separated with expansion material



AT C OF CONST.

AT PIERS & ABUTMENTS
Scale 1" = 1'-0"



UTILITY DETAIL
Scale 1" = 1'-0"

NOTES

- For exact location and direction of openings see other sheets
- Location and size of utility openings may be modified as directed by the Engineer, provided minimum dimensions are maintained.
- Girders not shown, see other sheets.
- Seal around utilities at abutments to be of sufficient strength to withstand earth pressure
- All reinforcement detailed to be placed in addition to reinforcement shown on other sheets.
- Stirrups are same size as adjacent stirrups shown on other sheets.
- Main reinforcement to clear opening as detailed on other sheets.

COUNTY OF ORANGE HIGHWAY DEPT.		
MISCELLANEOUS DETAILS		
EDINGER ST. BRIDGE		
ACROSS SANTA ANA RIVER		
BRIDGE NO. S.A. 27		
APPROVED:	ROAD COMMISSIONER C. E. TOLSON	
SCALE AS SHOWN	MAR. 1958	SHEET 2 OF 13 SHEETS