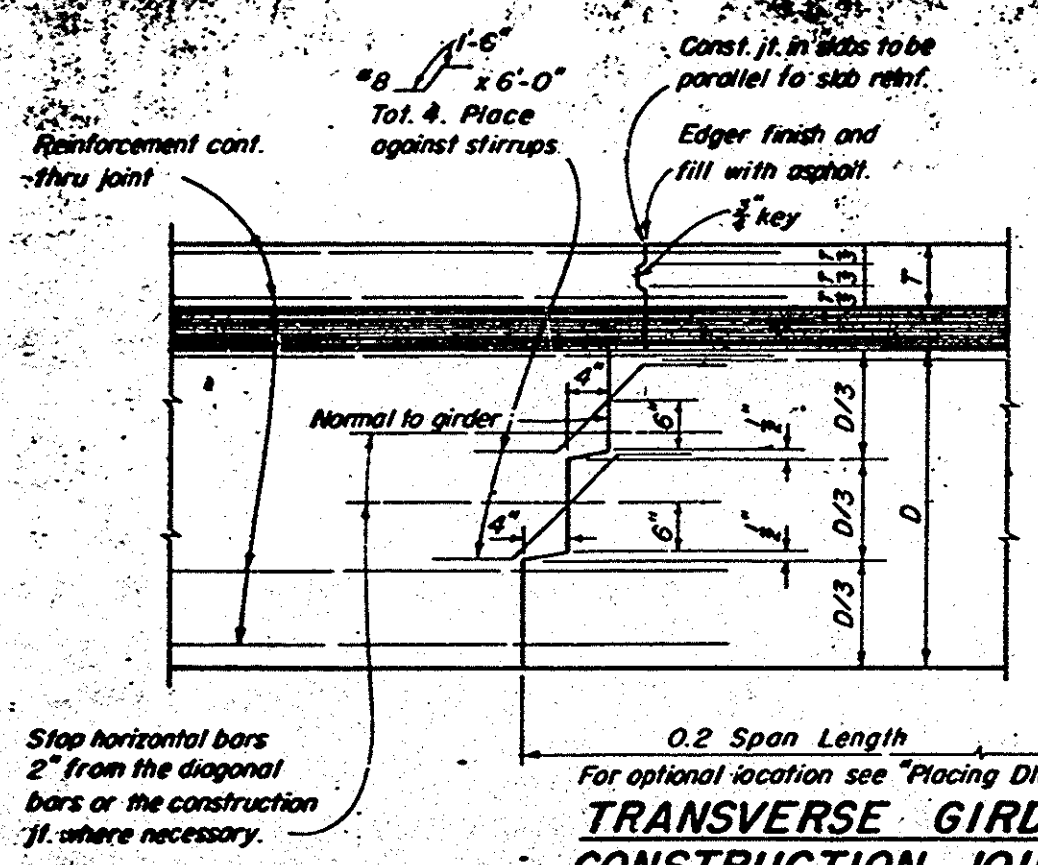
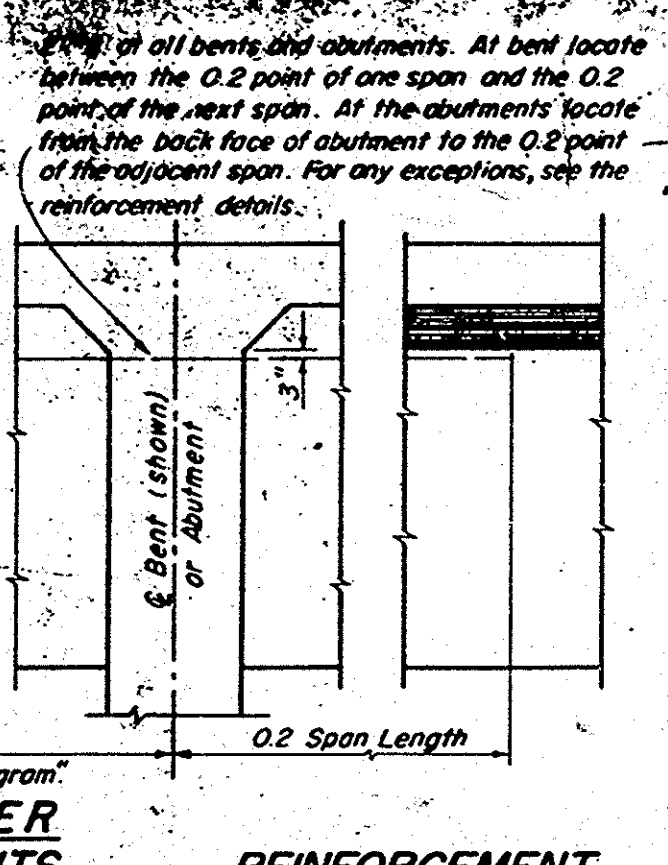
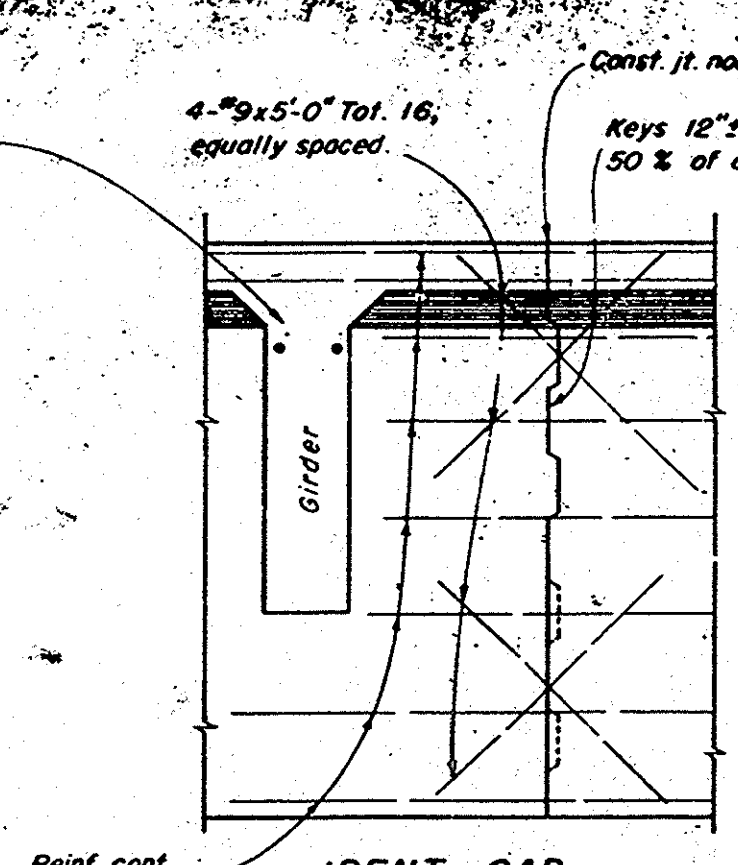




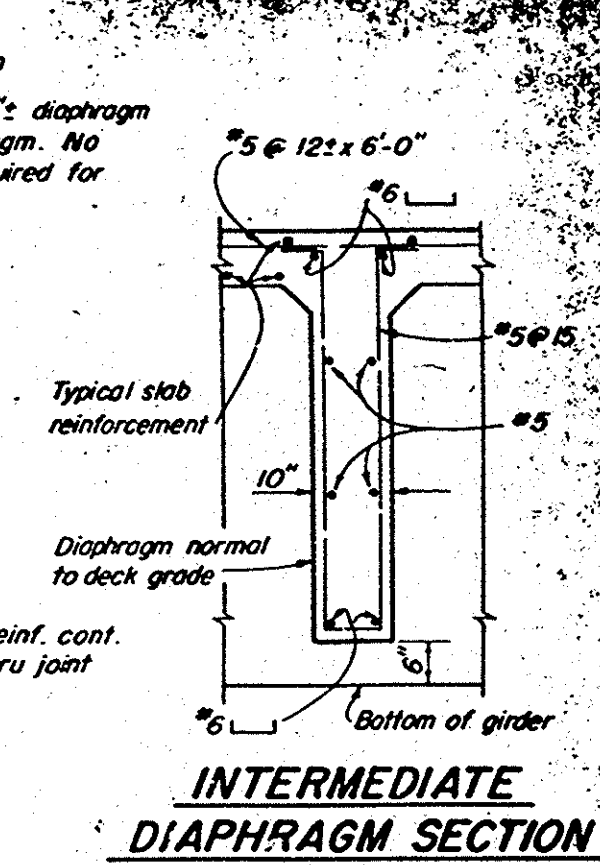
**TRANSVERSE GIRDER
CONSTRUCTION JOINTS
DETAIL J-3**



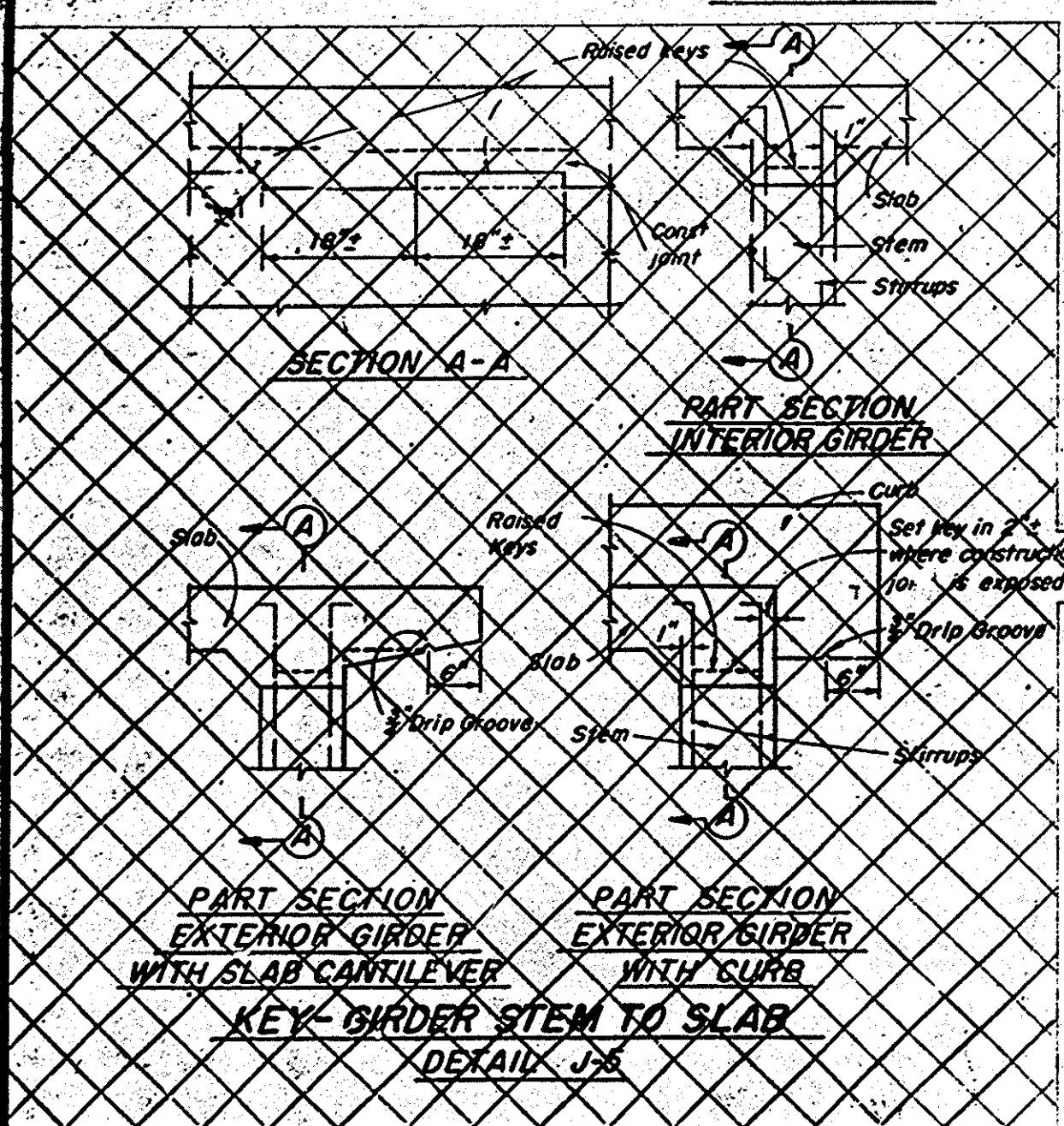
**REINFORCEMENT
DETAIL J-1**



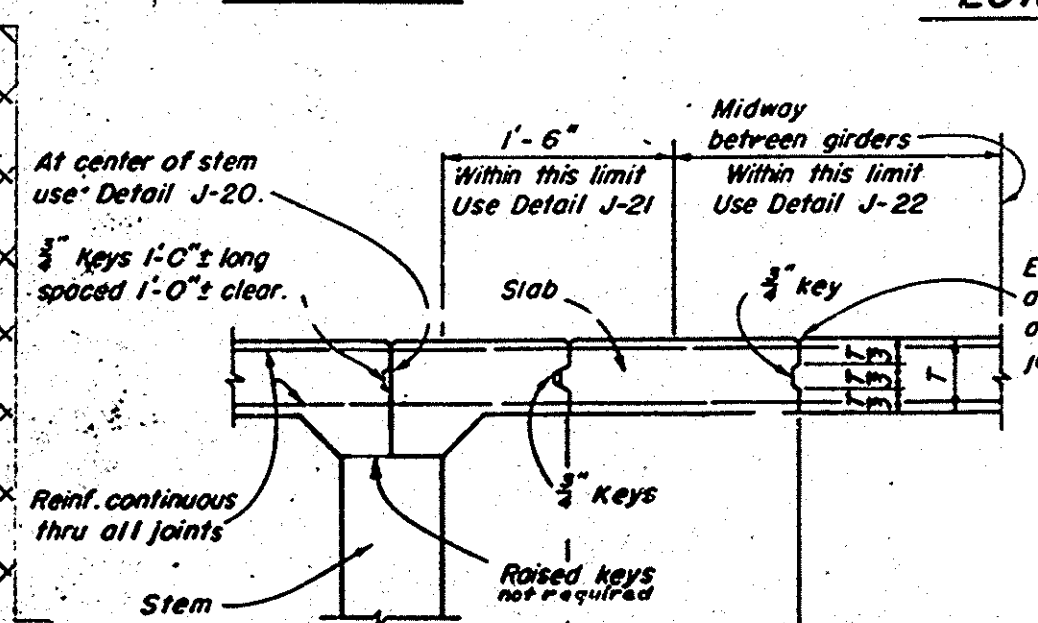
**BENT CAP
LONGITUDINAL CONSTRUCTION JOINT
DETAIL J-4**



**INTERMEDIATE
DIAPHRAGM SECTION
DETAIL D-1**

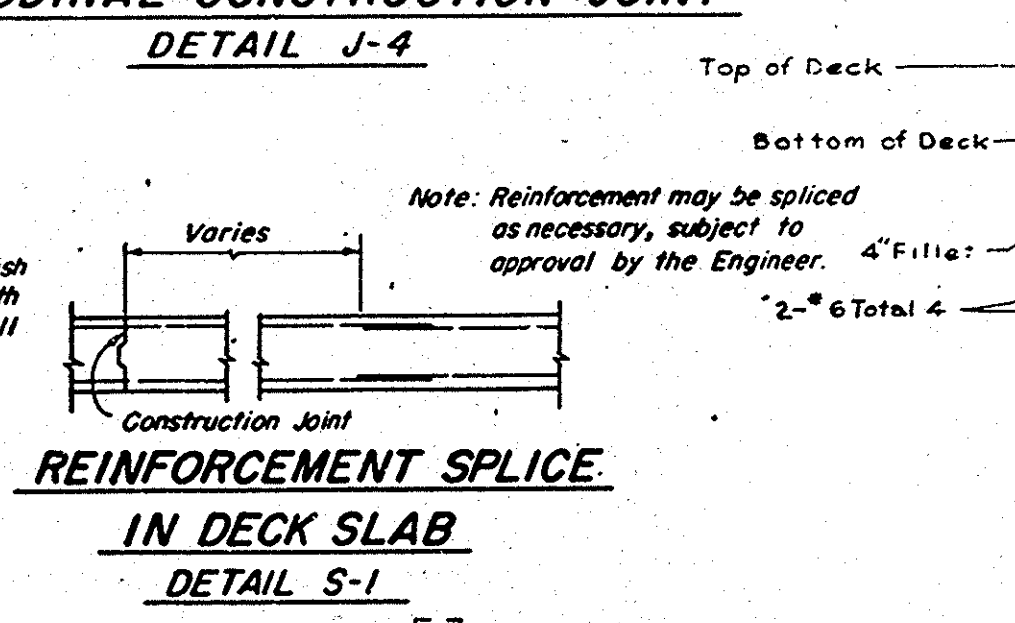


GIRDER STEM TO SLAB KEYS ARE NOT REQUIRED.

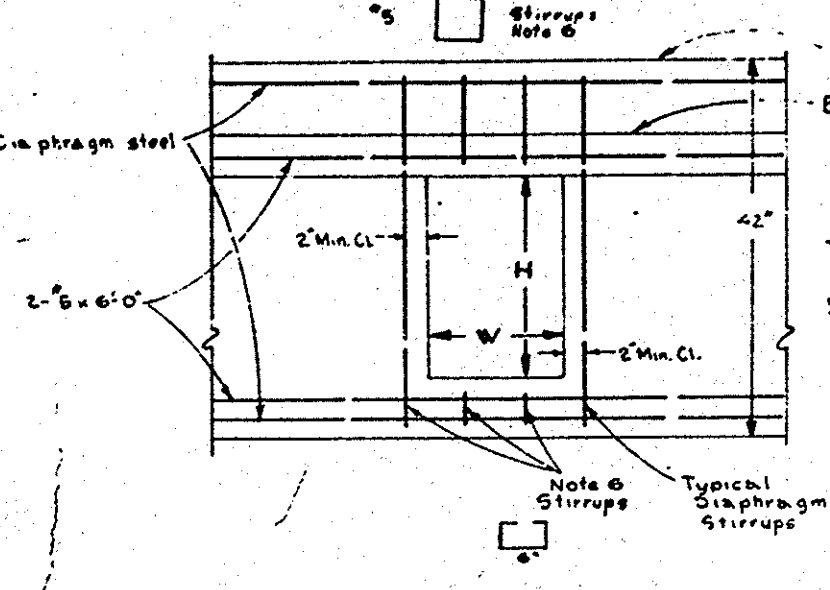


**DETAIL J-20 DETAIL J-21 DETAIL J-22
DECK SLAB
LONGITUDINAL CONSTRUCTION JOINT**

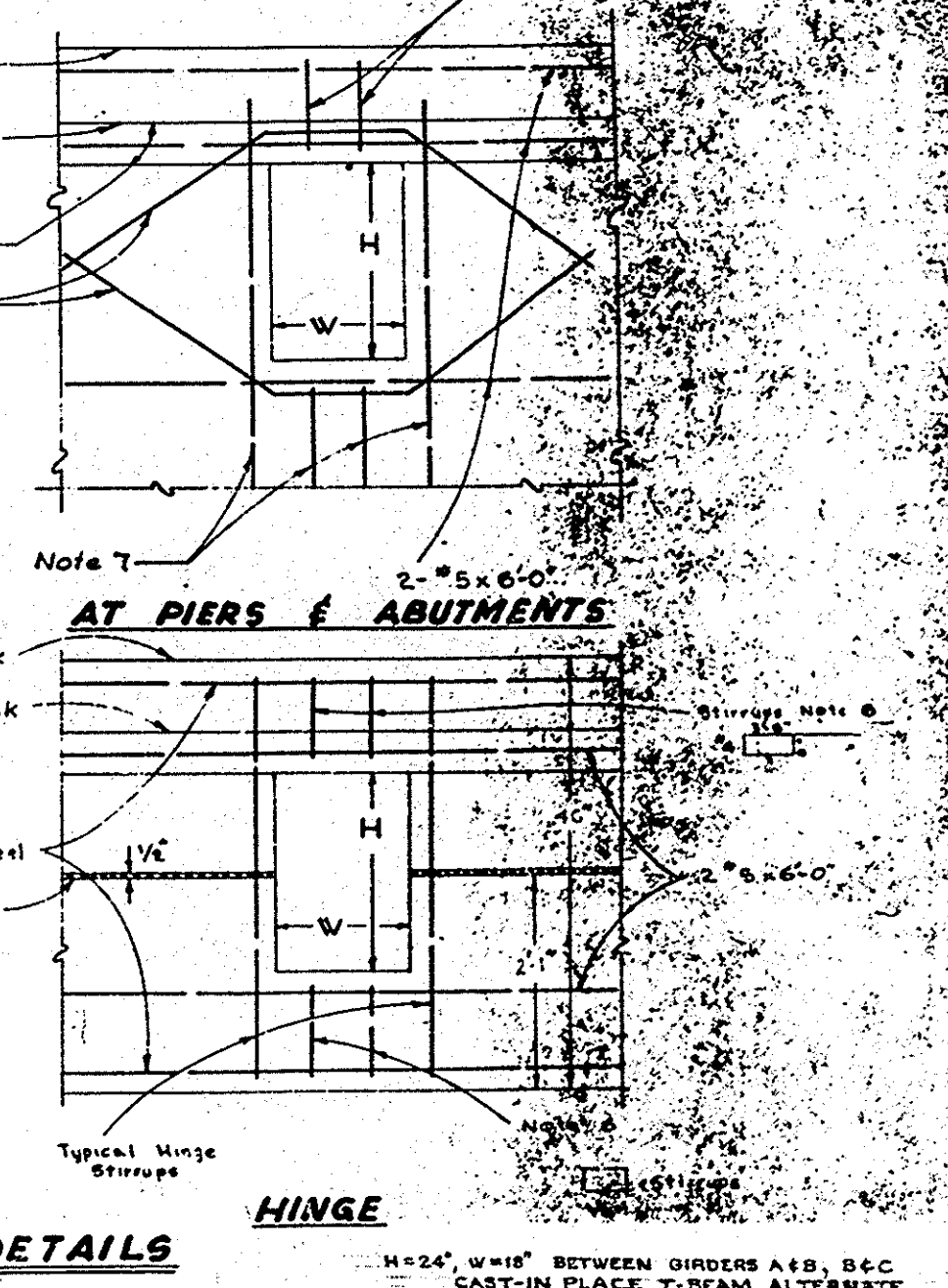
Note: Longitudinal construction joints in slab, if required, are to be located at edge of traffic lanes except as approved by the Engineer.



**REINFORCEMENT SPLICE
IN DECK SLAB
DETAIL S-1**



DIAPHRAGM UTILITY DETAILS



HINGE

- 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.

AS BUILT

H=24', W=18' BETWEEN GIRDERS A+B, B+C
CAST-IN PLACE T-BEAM ALTERNATE

ORANGE COUNTY HIGHWAY DEPARTMENT

DEC 28 1964

DOWLING AVENUE BRIDGE
ACROSS
SANTA ANA RIVER

MISCELLANEOUS DETAILS

SCALE: NONE

SHEET 10 OF 17