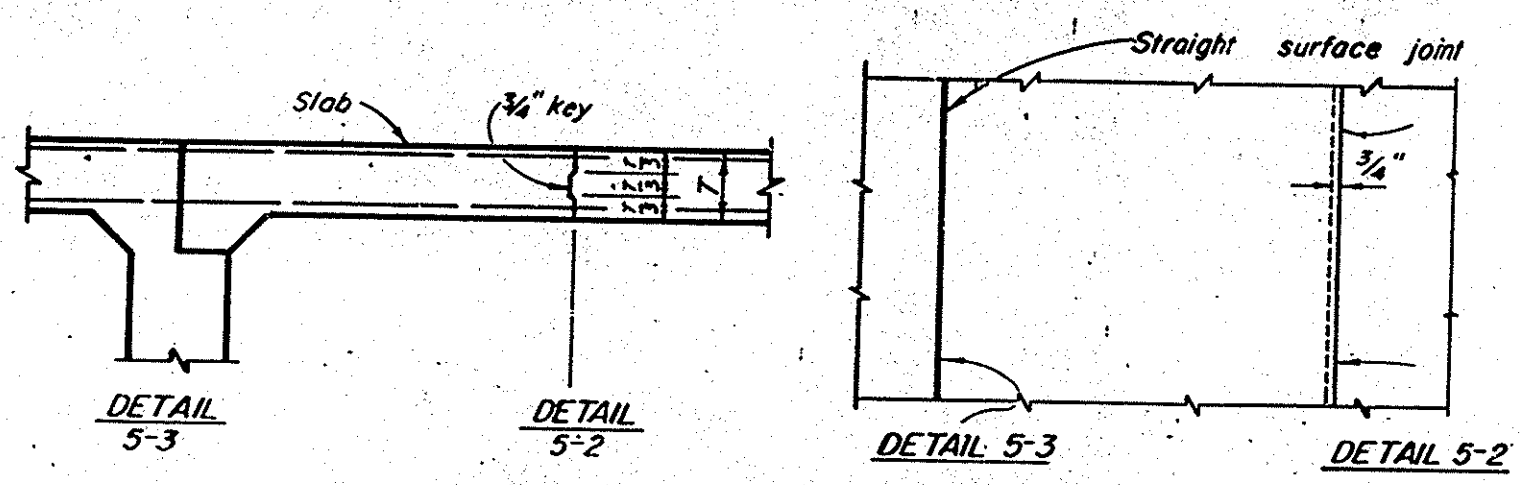
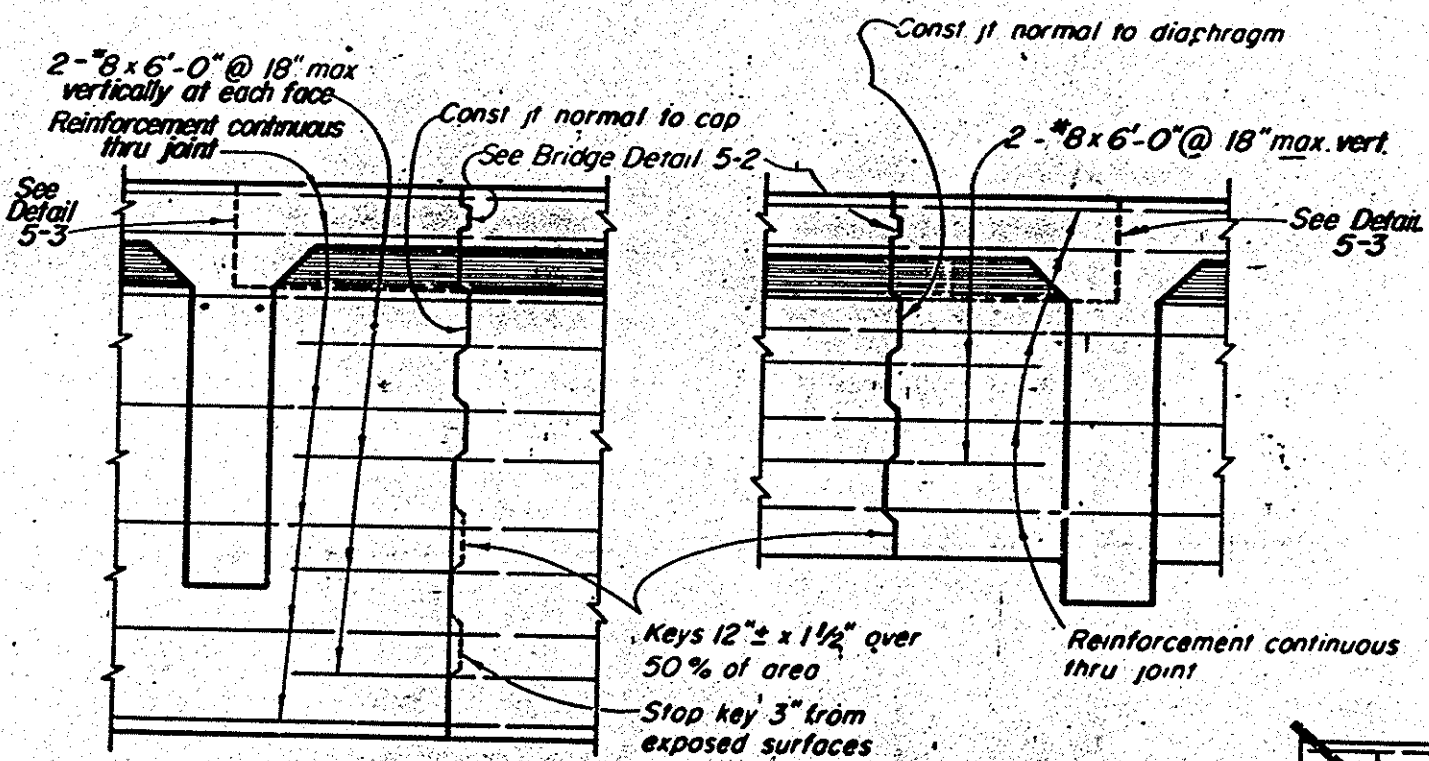


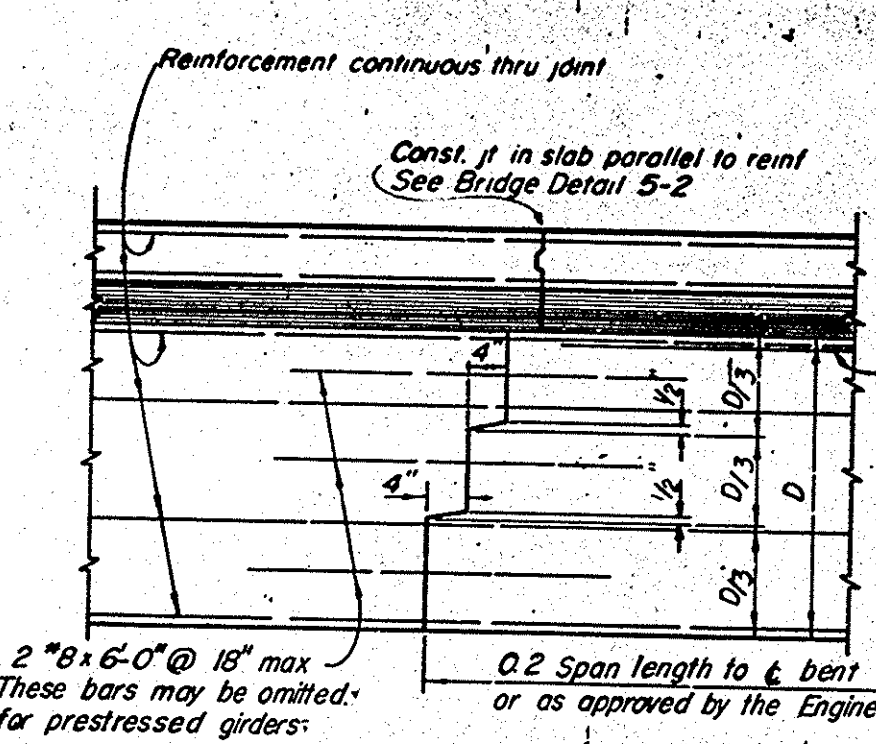


Note: Longitudinal construction joints in slab, if required, are to be located at edge of traffic lanes except as approved by the engineer.

DECK SLAB

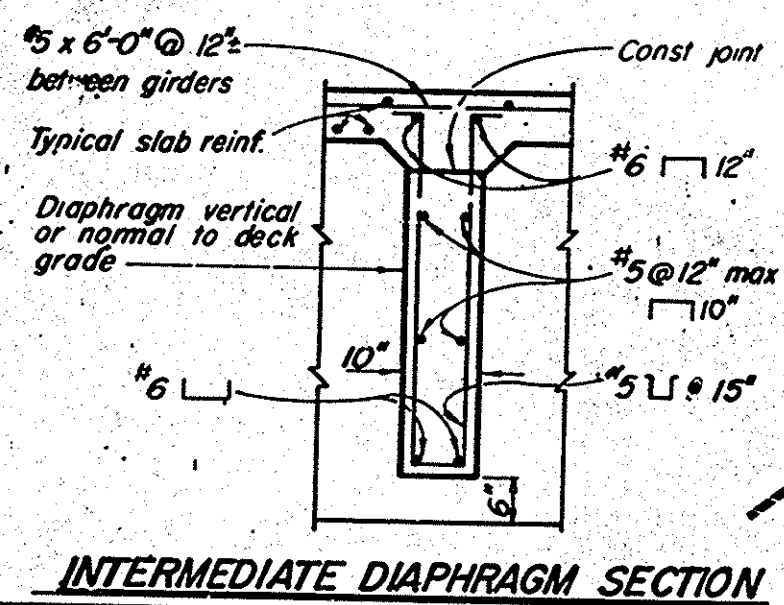
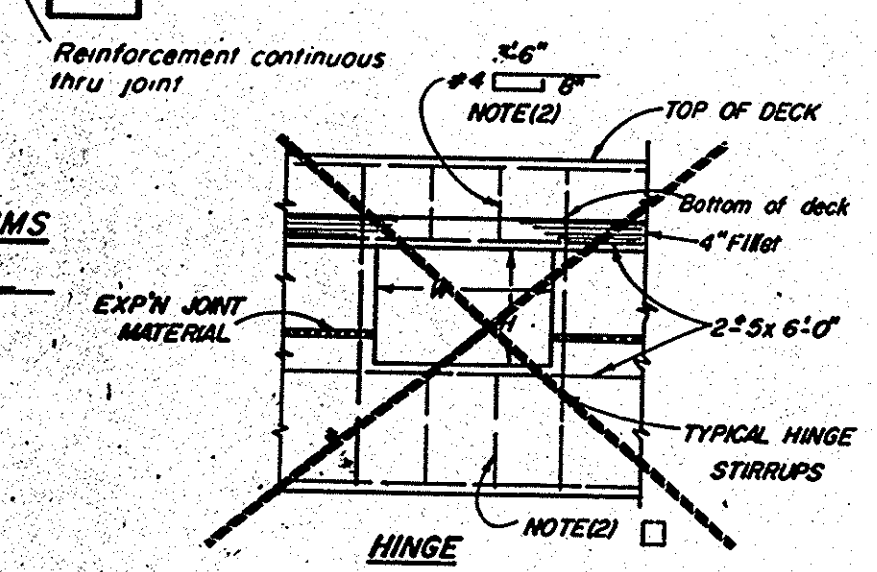


BENT CAP LONGITUDINAL CONSTRUCTION JOINTS



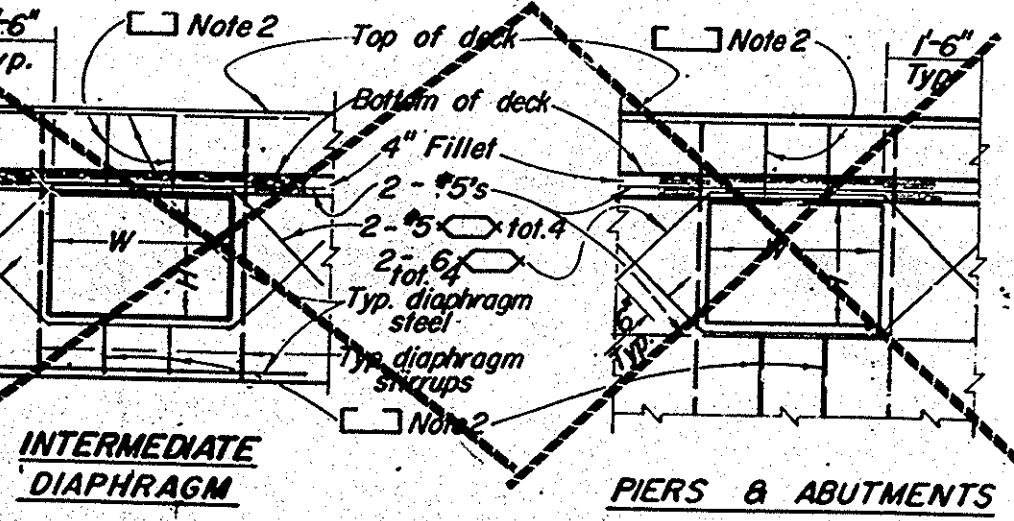
TRANSVERSE GIRDER CONSTRUCTION JOINTS

DIAPHRAGMS



INTERMEDIATE DIAPHRAGM SECTION

NOTE: PROTECTION OF VERT POLYSTYRENE
Vertical surfaces of expanded polystyrene against which polystyrene is to be placed shall be faced with hardboard. Other facing materials may be used provided they furnish equal protection.



INTERMEDIATE DIAPHRAGM

UTILITY OPENINGS

PROTECTION OF HORIZ POLYSTYRENE

DETAIL - 13-1

STEEL FILE ANCHOR DETAIL

SCALE 1/2" = 1'-0"

- NOTES:
- The exact location, elevation, size and direction of openings shall be in accordance with the Project Plans and as directed by the Engineer.
 - All reinf. detailed to be placed in addition to reinf. shown on Project Plans.
 - Main reinf. to clear opening.
 - Reinf. to be same bar size and 2/3 the spacing of adjacent reinf. shown on Project Plans.
 - W=24", H=24"

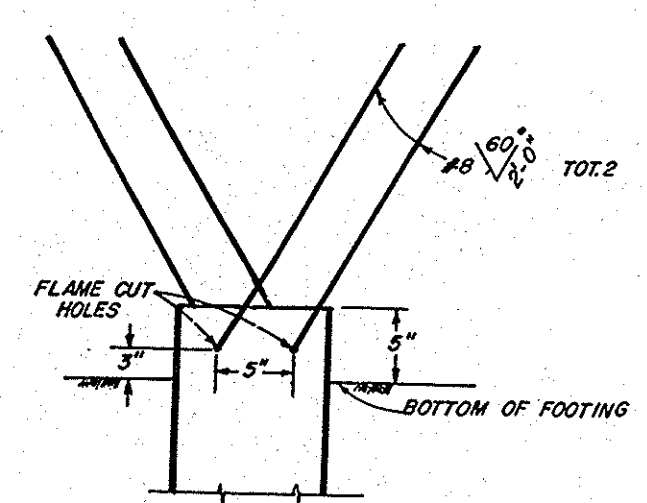
Dr. 8 12952
Sheet 19 of 35
Red 24:1
Cronaflex

AS BUILT PILE DRIVING DATA

PILE DRIVER MAKE & MODEL	*KOB-22	DELMAG D-30
DRIVING ACTION	SINGLE ACTION	SINGLE ACTION
RATED ENERGY	41,300 FT-LB	54,200 FT-LB
RAM WEIGHT	4850 lb	6600 lb
MAM. STROKE	8.5 FT	8.22 FT
BEARING VALUE FORMULA	STD. SPEC. SECTION 305-1.5	
P = $\frac{2WL}{(S+0.1)}$	P = $\frac{2E}{(S+0.1)}$	> 140*

	U/S WIDENING		D/S WIDENING	
	AVG. STROKE HT.	AVG. BLOWS PER FOOT	AVG. STROKE HT.	AVG. BLOWS PER FOOT
ABUT. # 1	8.5	31	8.5	39
PIER No 2	8.5	27	8.5	34
3	8.5	36	8.5	29
4	8	23	8	21
5	8	42	8	20
6	8	44	8	23
7	8	27	8	25
8	8	32	8	26
9	8	21	8	19
10	8	25	8	19
11	8	19	8	21
12	8	18	8	18
13	8	26	8	24
ABUT. # 14	8	28	8	22

* KOB-22 USED ON ABUTMENT No 1, PIERS 2 & 3 (U/S & D/S)



ORANGE COUNTY
ENVIRONMENTAL MANAGEMENT AGENCY
TUSTIN AVE. BRIDGE
SA-7A
AT SANTA ANA RIVER
TEE BEAM DETAIL

DATE	DESCRIPTION	PREPARED UNDER	SHEET
10/1/85	DESIGNED	DR. 8 12952	19
	CHECKED		35

Dr. 8 12952