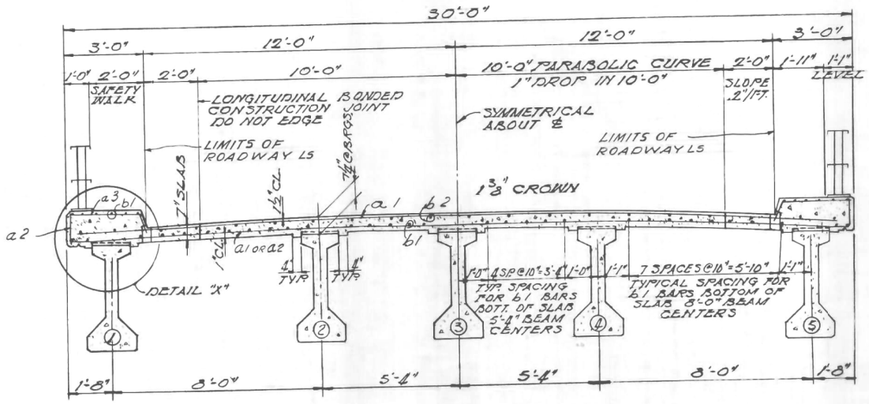
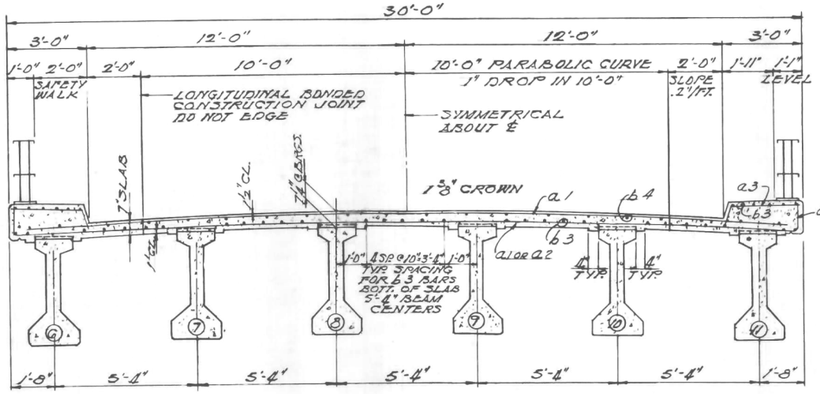
			SHEETS	
F.A.I. 80 (32,47)-4	GRUNDY-KENDALL		262	188
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

SHEET 4 OF 11

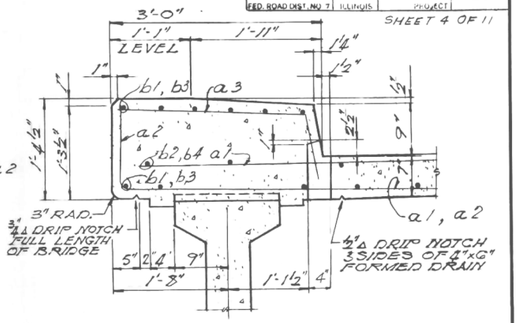


SPANS 1 & 4



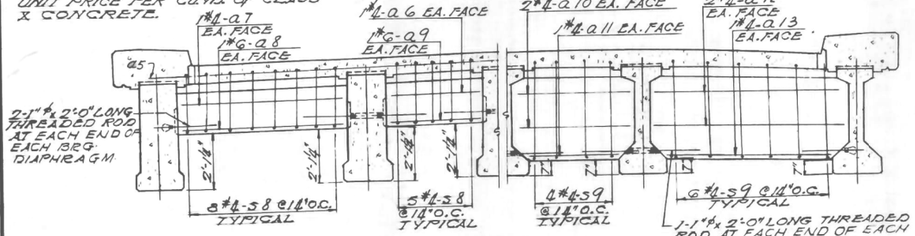
SPANS 2 & 3

TYPICAL CROSS SECTIONS



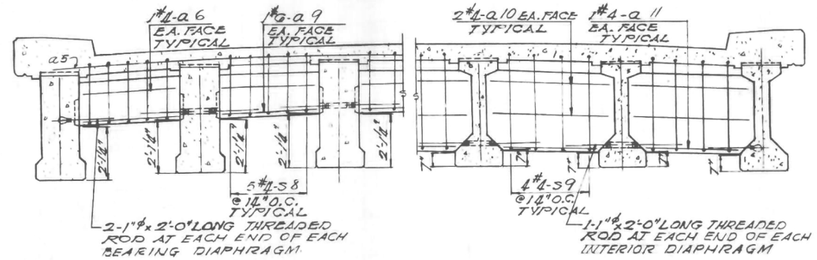
DETAIL "X" AND DRAIN DETAIL

NOTE: COST OF THREADED RODS IS INCIDENTAL TO THE CONTRACT UNIT PRICE PER CU.YD. OF CLASS X CONCRETE.



8'-0" BEAM CENTERS AT BEARINGS — 5'-4" BEAM CENTERS AT INTERIOR — 8'-0" BEAM CENTERS AT BEARINGS

SPANS 1 & 4

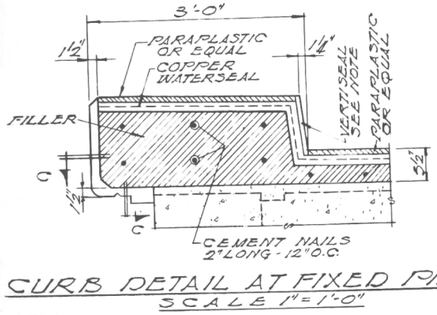


5'-4" BEAM CENTERS AT BEARINGS — 5'-4" BEAM CENTERS AT INTERIOR

SPANS 2 & 3

TYPICAL DIAPHRAGM DETAILS

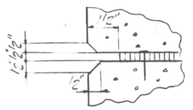
SCALE 3/8" = 1'-0"



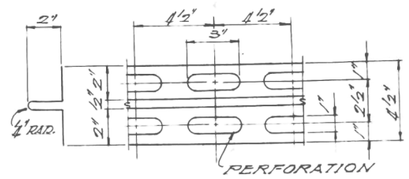
CURB DETAIL AT FIXED PIER

SCALE 1" = 1'-0"

NOTE: SEAL VERTICAL CURB JOINT WITH BLACK COLD APPLIED JOINT SEALER "VERTISEAL" OR APPROVED EQUAL.



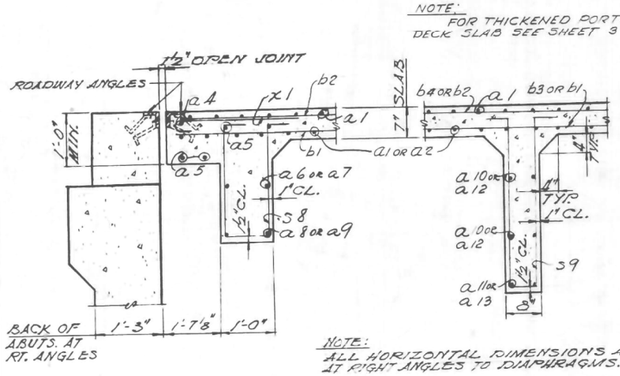
SECTION "C"



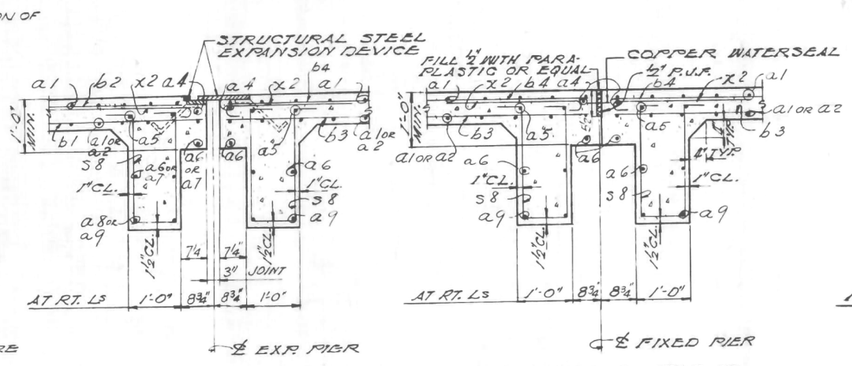
DETAIL OF COPPER WATERSEAL

SCALE 3" = 1'-0"

NOTE: FOR THICKENED PORTION OF DECK SLAB SEE SHEET 3



NOTE: ALL HORIZONTAL DIMENSIONS ARE AT RIGHT ANGLES TO DIAPHRAGMS.

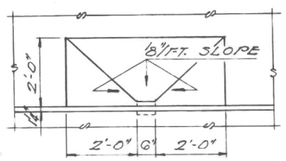


AT ABUTMENTS — AT INTERIORS — AT EXPANSION PIERS — AT FIXED PIER

TYPICAL DIAPHRAGM SECTIONS

SEE SHEET No. 5 & 6 FOR DIAPHRAGM LOCATIONS

SCALE 3/4" = 1'-0"



PLAN AT DRAINS

SCALE ½" = 1'-0"

ALFRED BENESCH & ASSOCIATES CONSULTING ENGINEERS
10 SOUTH WABASH AVENUE 602 CHICAGO, ILLINOIS

DECK CROSS SECTIONS AND DIAPHRAGM DETAILS
GRADE SEPARATION
CROSS ROAD
OVER F.A.I. ROUTE 80
F.A. PROJECT
F.A.I. ROUTE 80 SECTION (32,47)-4
GRUNDY - KENDALL COUNTY
STATION 1574+07.48

FILE NAME = c:\pw_work\pwidot\duncanbd\dms58037\ep01904-sht-F10.dgn	USER NAME = duncanbd	DESIGNED -	REVISED -
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	PLOT DATE = 3/15/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INFORMATION ONLY
EXISTING SN 032-0046

SCALE: | SHEET 4 OF 7 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(32,47-4)HBR-2	GRUNDY	143	98
		CONTRACT NO. 66873		
	ILLINOIS FED. AID PROJECT			