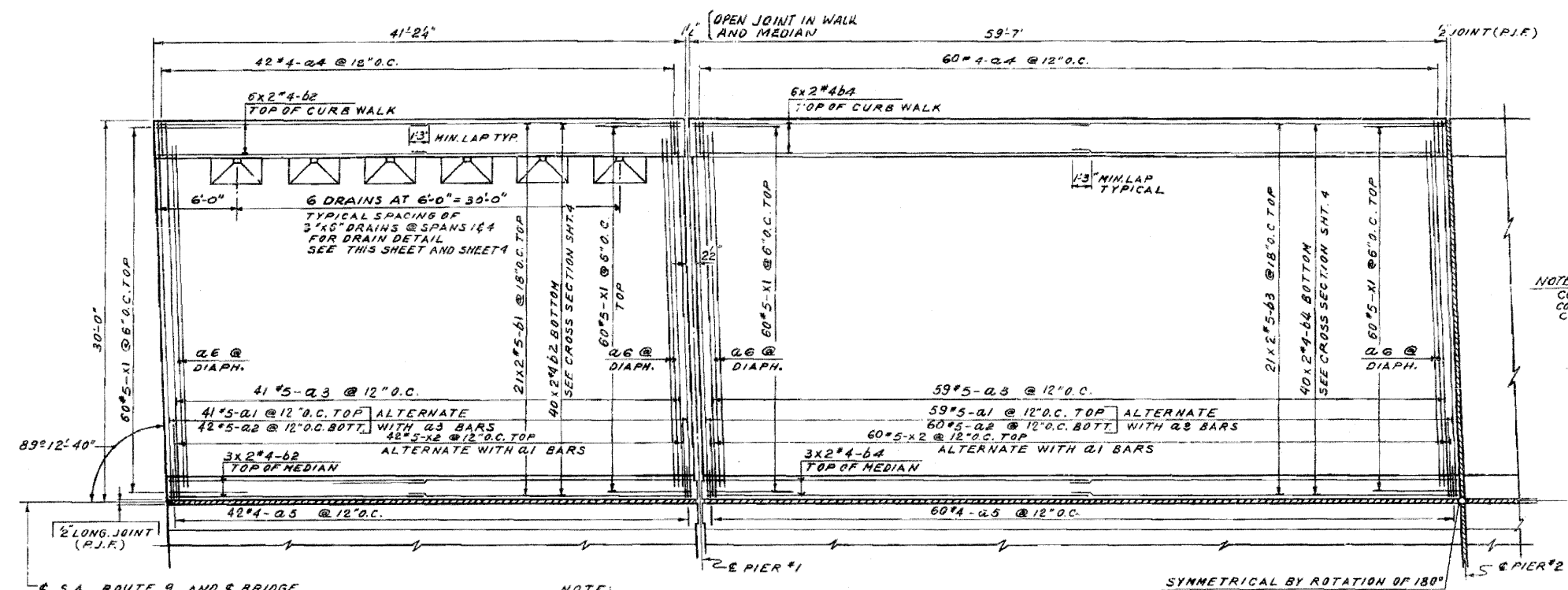
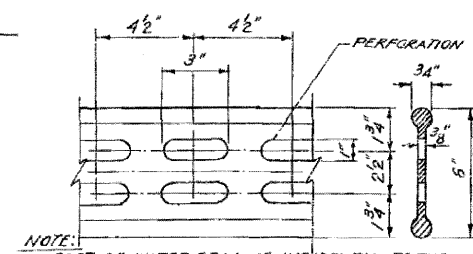


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80	50-2118-5	LA SALLE	492	492C
STA.	TO STA.		PROJECT	
B.P.R. REG. NO. 4	ILLINOIS			

SHEET 3 OF 16



EAST HALF PLAN OF DECK REINFORCEMENT-SPANS 1 & 2
WEST HALF SIMILAR
SPANS 3 & 4 SYMMETRICAL BY ROTATION OF 180°
 SCALE 1/8"=1'-0"



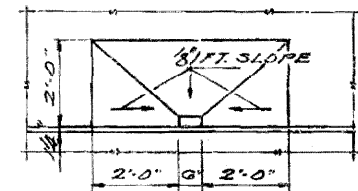
**DETAIL OF 6\"/>
 SCALE 3/8"=1'-0"**

STANDARD FILLET DETAIL

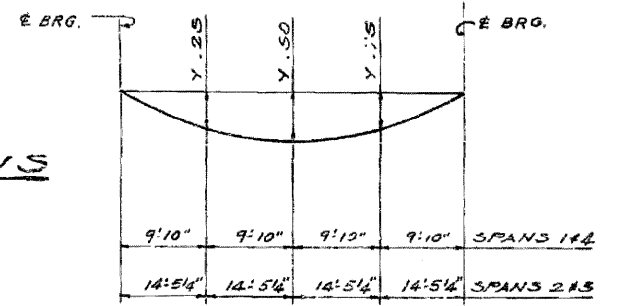
AFTER ALL PRECAST PRESTRESSED BEAMS HAVE BEEN ERECTED, ELEVATIONS OF THE TOP OF FLANGES OF THE BEAMS SHALL BE TAKEN AT THE STATIONS SHOWN ON SHEET 16. THESE ELEVATIONS SUBTRACTED FROM THE THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEADLOAD DEFLECTION SHOWN ON SHEET 16 MINUS FLOOR THICKNESS EQUALS THE DIMENSION "C". A POSITIVE VALUE OF "C" EQUALS THE FILLET HEIGHT ABOVE THE TOP OF THE BEAM. A NEGATIVE VALUE OF "C" EQUALS THE EMBEDMENT OF THE BEAM ABOVE THE THEORETICAL BOTTOM OF SLAB ELEVATION.

TABLE OF "Y" DIMENSIONS

BEAMS	SPAN 1 & 2			SPAN 3 & 4		
	Y. 25	Y. 50	Y. 75	Y. 25	Y. 50	Y. 75
EXTERIOR	18"	18"	18"	12"	16"	12"
INTERIOR	18"	26"	18"	5 1/2"	7 1/2"	5 1/2"
MEDIAN	18"	26"	18"	5 1/2"	7 1/2"	5 1/2"



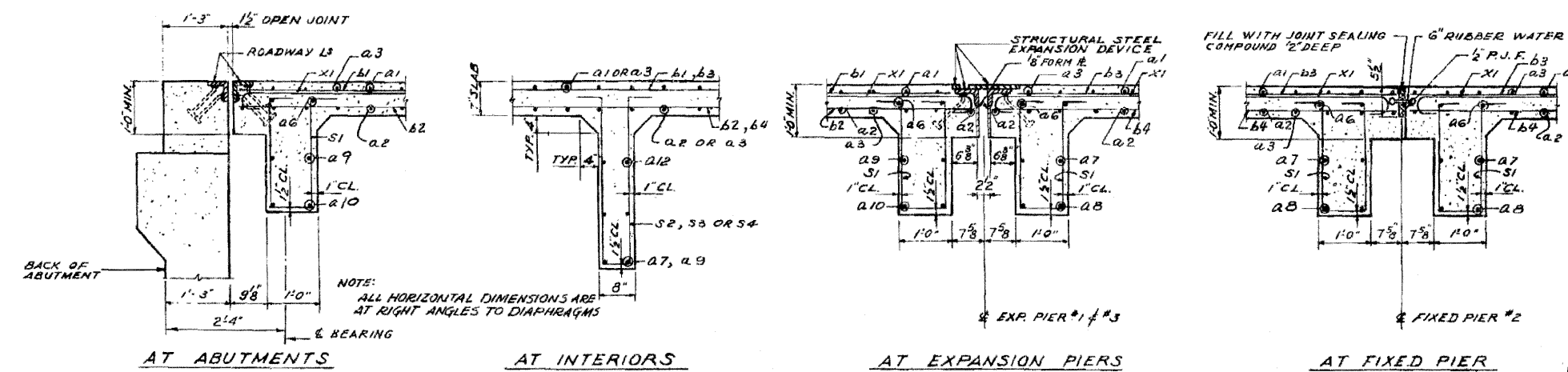
PLAN AT DRAINS
 SCALE: 1/2"=1'-0"



D.L. DEFLECTION DIAGRAM
 WEIGHT OF PRESTRESSED I-BEAMS NOT INCLUDED

BILL OF MATERIALS - SUPERSTRUCTURE

ITEM	UNIT	TOTALS
CLASS X CONCRETE	SU. YD.	353.2
REINFORCEMENT BARS	POUND	71,260
METAL HANDRAIL	LIN. FT.	440
STRUCTURAL STEEL	POUND	20,700
PRECAST PRESTRESSED CONCRETE I-BEAMS	42IN. LIN. FT.	1,352
	36IN. LIN. FT.	656



TYPICAL DIAPHRAGM SECTIONS
 SEE SHEETS NO. 5 & 7 FOR DIAPHRAGM LOCATIONS
 SCALE: 3/4"=1'-0"

FOR INFORMATION ONLY

ALFRED BENECH & ASSOCIATES CONSULTING ENGINEERS
 10 SOUTH WABASH AVENUE 706 CHICAGO, ILLINOIS

DECK REINFORCEMENT PLAN
 GRADE SEPARATION
 S.A. ROUTE 9 (UTICA ROAD)
 OVER F.A.I. ROUTE 80
 F.A. PROJECT
 F.A.I. ROUTE 80 SECTION 50-2118-5
 LA SALLE COUNTY
 STATION 895+86.16

▲ SHEET ADDED 4-6-10