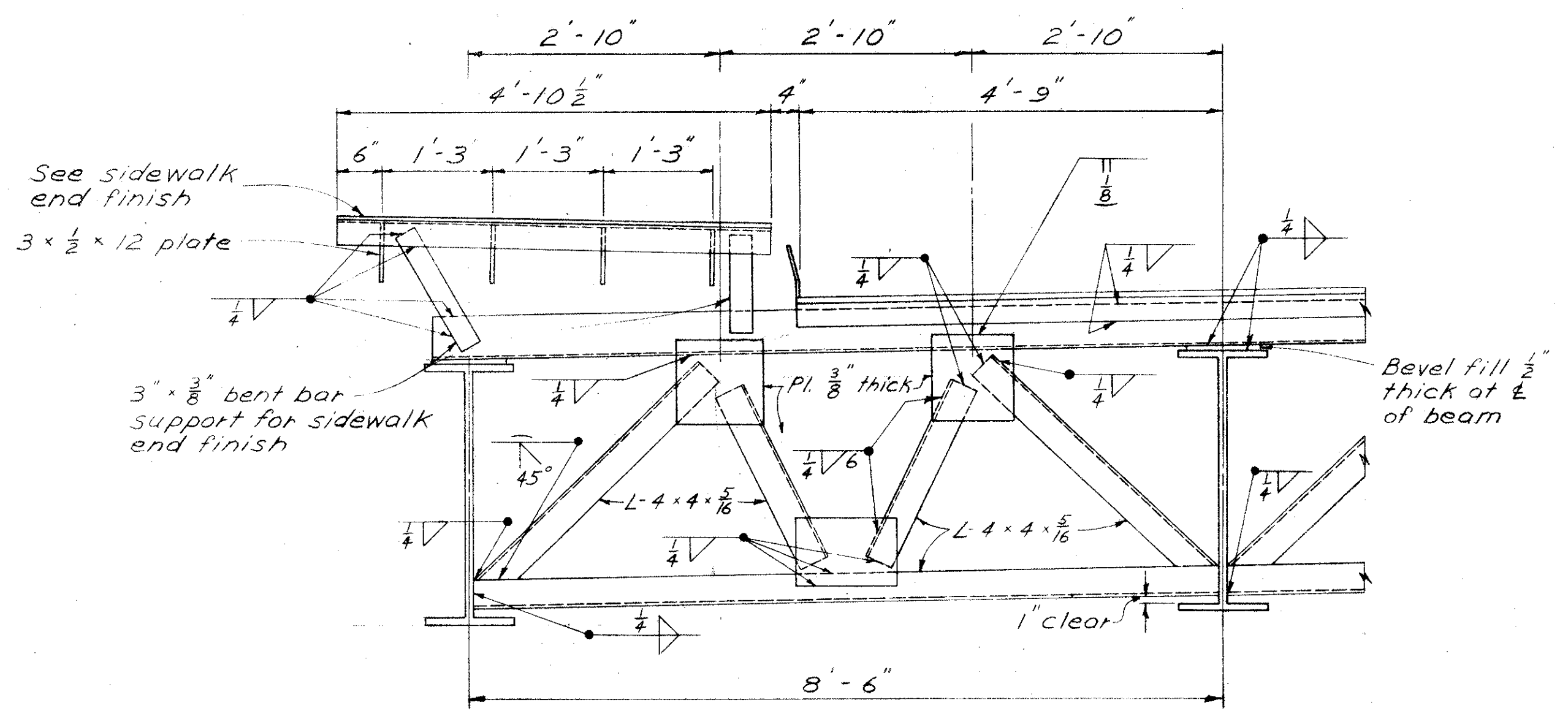
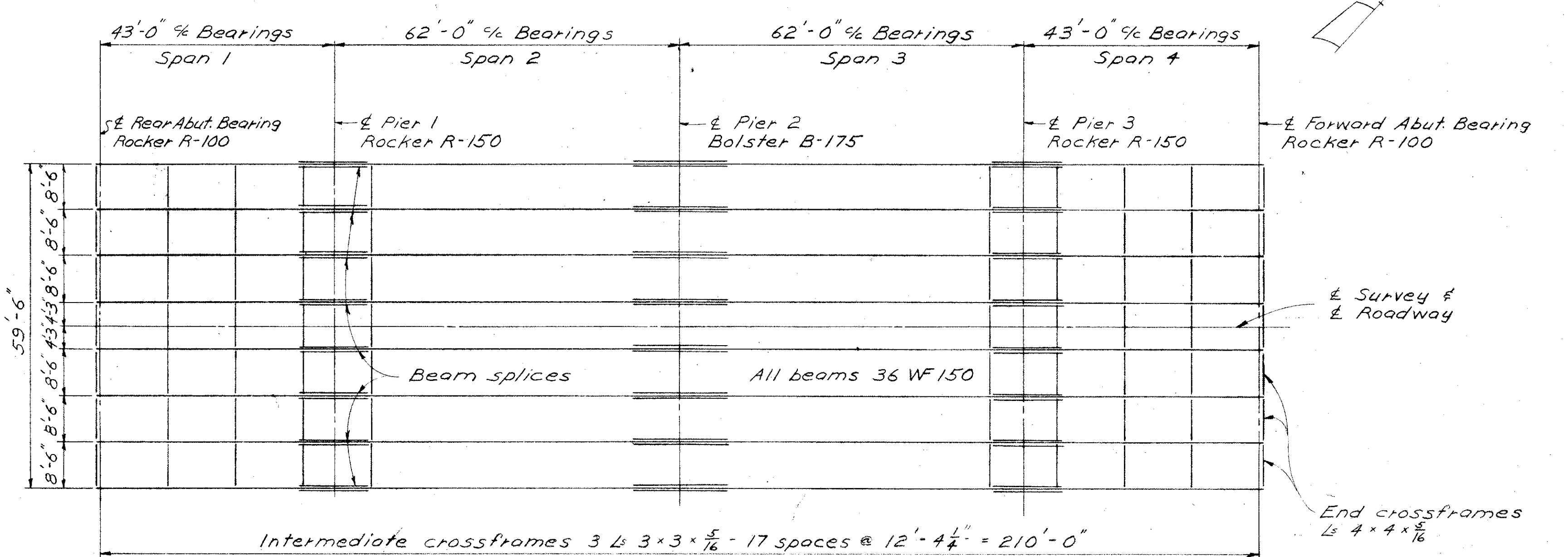


HALF TRANSVERSE SECTION



END CROSSFRAME DETAIL



STEEL FRAMING PLAN

DEFLECTION				
Beam	Outside		Inside	
Span	43'-0"	62'-0"	43'-0"	62'-0"
Deflection due to weight of steel	0	1/16	0	1/16
Deflection due to remaining dead load	1/16	5/16	1/16	1/4
Sum of Deflection	1/16	3/8	1/16	5/16

BEAM SPLICE WELDING PROCEDURE

1. Raise beam end at either Pier 1 or Pier 3, 1/4".
2. Butt-weld the beam flanges and web at Pier 2 using the following sequence: make two passes on each flange, then two on the web; repeat, using one pass at each location until welds are completed.
3. Weld the bottom and top moment plates at Pier 2.
4. Lower end of beam.
5. Make splices at Pier 1 and Pier 3 in the same manner; do not raise the ends of the beams at the abutments.

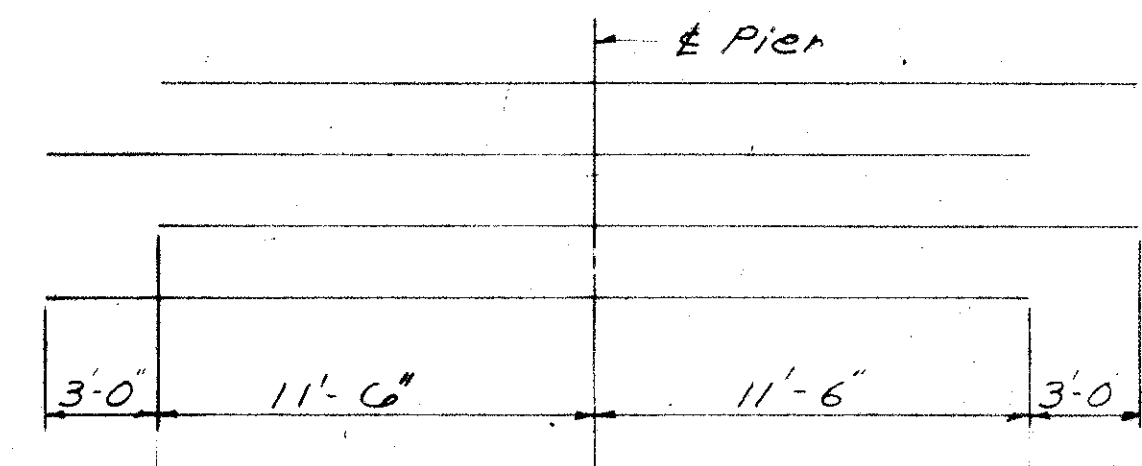


DIAGRAM SHOWING STAGGER OF S602 BARS OVER PIERS

For additional notes see Sheet No. 177.

STATE OF OHIO DEPARTMENT OF HIGHWAYS DIVISION OF DESIGN AND CONSTRUCTION BUREAU OF BRIDGES					
SUPERSTRUCTURE DETAILS					
BRIDGE NO. LAK-44-0489 UNDER USR 20					
LAKE COUNTY				S.R. #4 RELOC. STA. 274+90.14	
DESIGNED	DRAWN	CHECKED	REVIEWED	DATE	REVISED
EBL	EBL	Reprod. Dwg. E.J.S.	BFG	7-25-61	