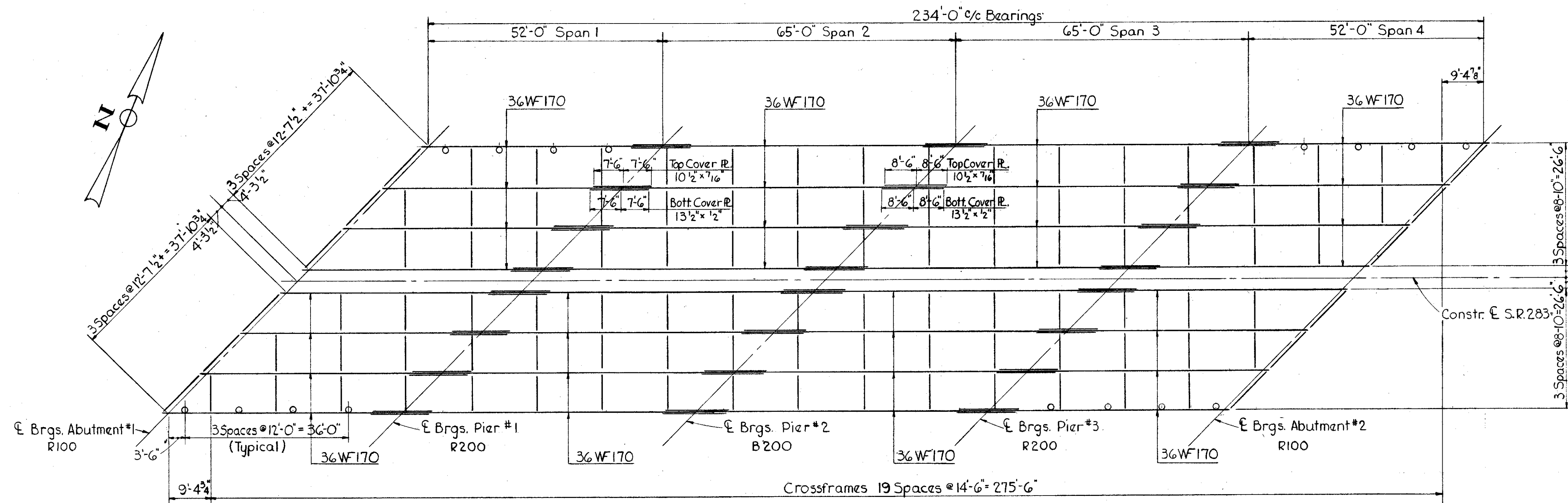


LAKE COUNTY
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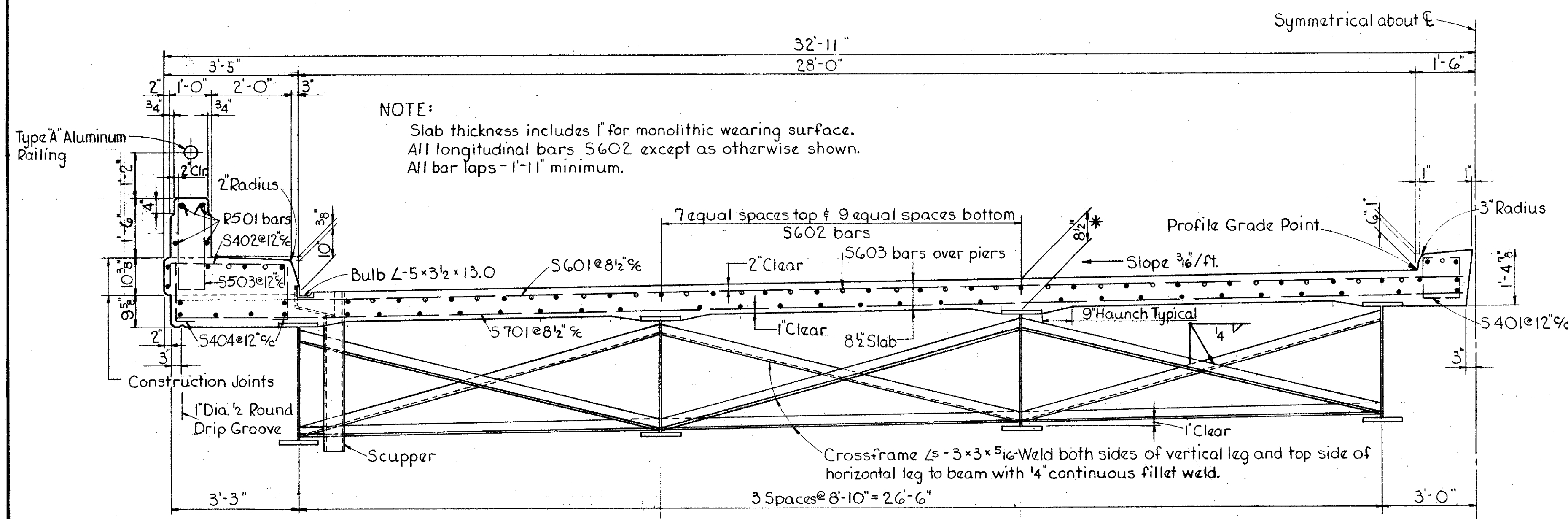
NOTES

REFERENCE shall be made to Standard Drawing CSB-2-56 sheets 2+3 of 6, revised 2-2-59 for details of and dams, gutters, scuppers, pipe drains, curb plates, and crossframes and beam splices. REFERENCE shall be made to Standard Drawing RB-1-55 revised 2-2-59 for details of rockers and bolsters. REFERENCE shall be made to Standard Drawing AR-1-57 revised 12-12-60 for details of aluminum railing Type A and concrete parapet details. WELDING of structural steel shall be Class "A" except as otherwise shown. Welds shown as field welds, may at the option of the Contractor, be made in the shop.

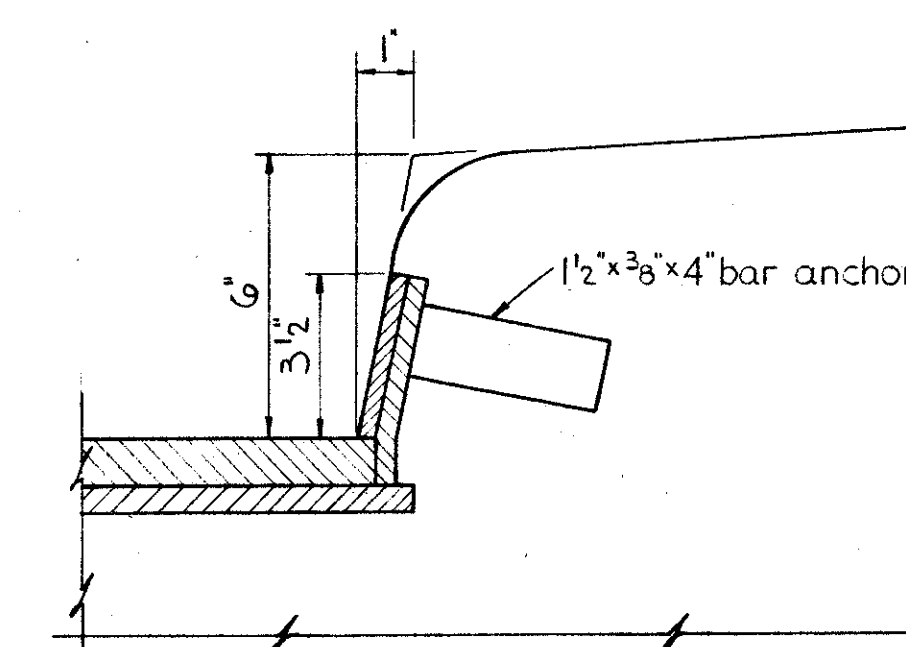
*DECK SLAB DEPTH: This is the nominal dimension. The quantity of deck concrete to be paid for shall be based on this dimension, even though deviation from it may be necessary because the top flange of the beam may not have the exact camber or conformation required to place it parallel to the finished grade. CONCRETE DECK PLACING: In order to facilitate water curing of the concrete of the deck slab, the placing of concrete shall progress upgrade. The slab may be placed in sections, between transverse construction joints which are parallel to the transverse reinforcing steel and are located near the center of any span. CONCRETE shall be Class "C". CONCRETE and reinforcing steel above parapet construction joint included with railing for payment. REINFORCING steel and preformed expansion joint filler in the Reinforced Concrete Approach Slab are included with Item I-7 for payment. BEAM SPLICE WELDING PROCEDURE:
1. Raise end of beam at Pier No. 3 - 1/2"
2. Butt-weld beam flanges and web at Pier No. 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 top and bottom flange moment plates at Pier No. 2.
4. Lower end of beam at Pier No. 3.
5. Make splices at Piers No. 1 and No. 3 in the same manner, raising the ends of the beams 3/4" at Abutments No. 1 and No. 2.



STEEL FRAMING PLAN



TYPICAL HALF SECTION



DIVISOR PLATE DETAIL

NOTE:
For details not shown, see Curb Plate Detail on Standard Drawing CSB-256, Sheet 3, revised 2-2-59.

DEFLECTION AND CAMBER	SPAN			
	SPAN 1	SPAN 2	SPAN 3	SPAN 4
Deflection due to weight of steel	1/16"	1/16"	1/16"	1/16"
Deflection due to remaining D.L.	1/8"	1/4"	1/4"	1/8"
Convexity of Vertical Curve	1/4"	3/8"	3/8"	1/4"
Total	7/16"	1/16"	1/16"	7/16"
Camber required	0	0	0	0

PREPARED BY CAPITOL ENGINEERING ASSOCIATES, DILLSBURG, PA. FOR STATE OF OHIO DEPARTMENT OF HIGHWAYS DIVISION OF DESIGN AND CONSTRUCTION BUREAU OF BRIDGES					
STEEL FRAMING PLAN BRIDGE NO. LAK-44-0795 S.R. 44 UNDER S.R. 283 LAKE COUNTY STA. 75+63.40					
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED DATE	REVISED
M.C.	J.E.G.				