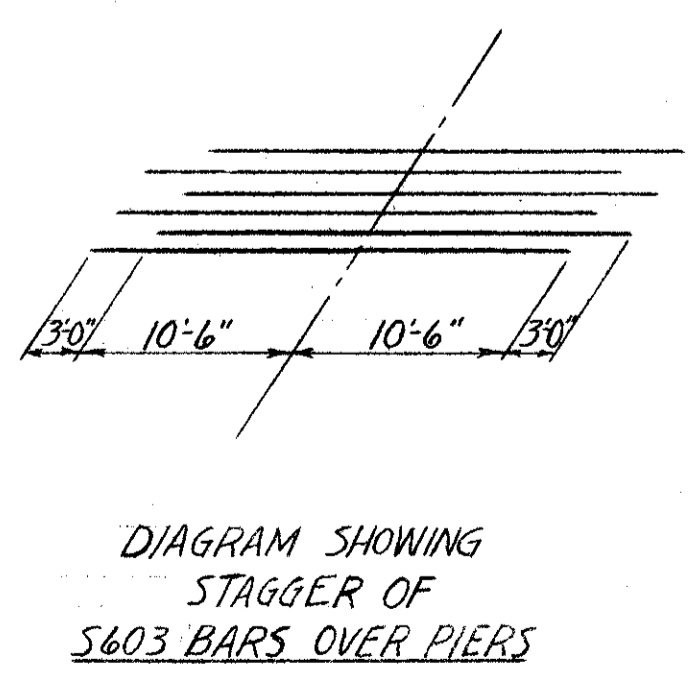
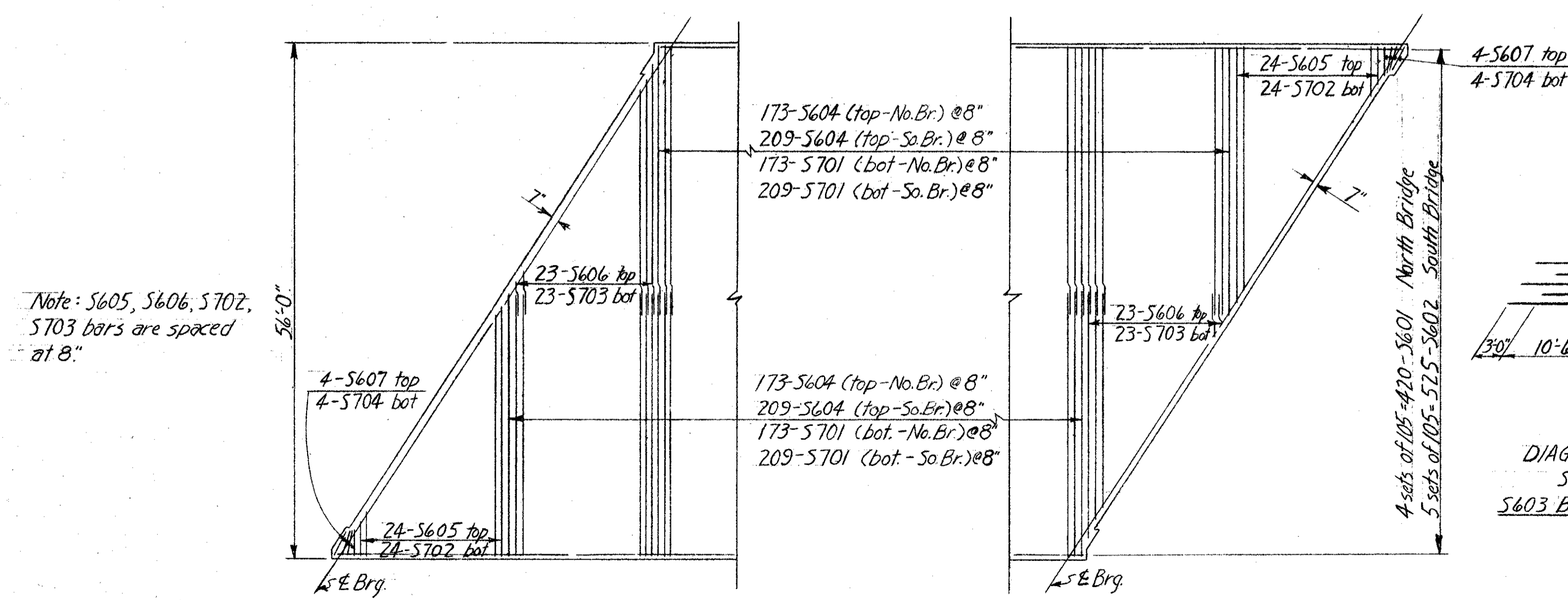


DEAD LOAD DEFLECTION	North Bridge		South Bridge	
	End Span	Mid-Span	End Span	Mid-Span
Deflect. due to wt. steel	64	32	32	32
Deflect. due to remaining DL	16	32	7 1/2	32
Convexity of vert. curve	6	4	6	0
Total	7 1/2	68	45 1/2	64
Camber required	0	0	0	0

Any convexity of beams shall be placed upward.



NOTES

Painting: After erection and after the shop coat has been cleaned and, where necessary, repainted in accordance with Sec. 8.04, an additional coat of the same paint as used in the shop shall be applied over the outside face of the outside steel beams, all sides of bottom flange.

*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.

Beam Splice Welding Procedure:

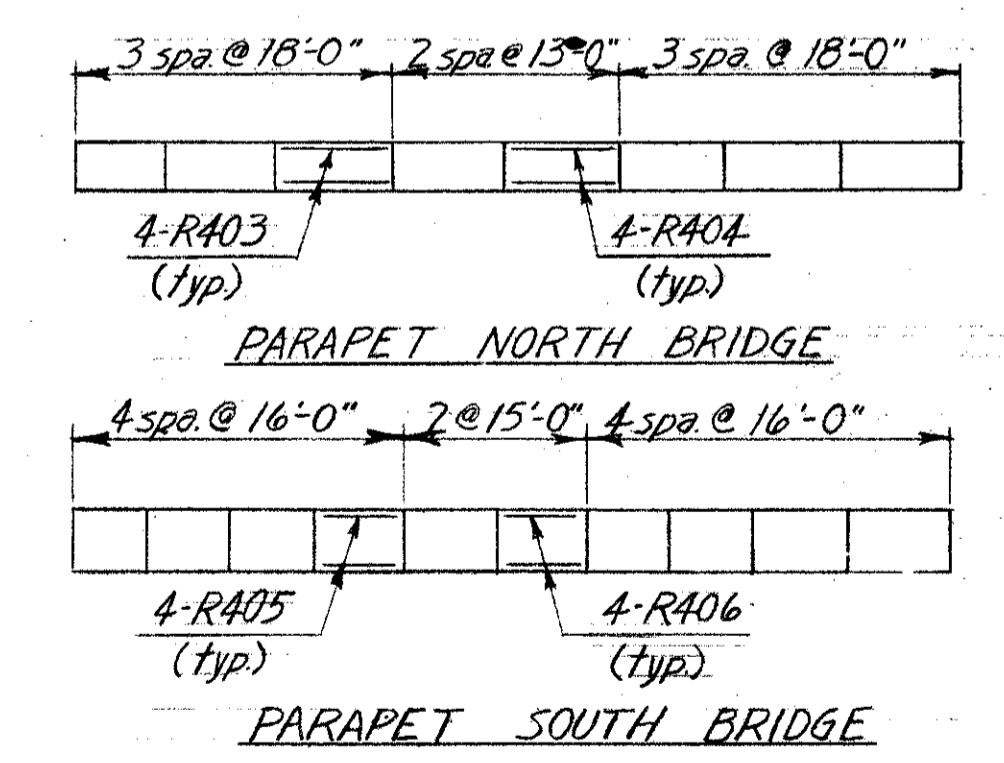
1. Raise abutment ends of the beams 3/8" North Br., 3/8" South Br.
2. Butt weld the beam flanges and web, using the following sequence: make two passes on each flange, then two on the web, repeat, using one pass at each location, until welds are completed.
3. Weld the bottom and top moment plates.
4. Lower the beam ends to final position.

Reference shall be made to Standard Dwg. CSB-2-56, sh. 2, 3 of 6, revised 2-2-59 for details of end dams, gutters, scuppers, pipe drains, endframes and sliding plates.

Reference shall be made to Standard Dwg. AR-1-57, revised 2-2-59 for aluminum railing type "A", and conc. parapet details.

All reinforcing steel shall have 2" min. cover unless otherwise noted.

Concrete Deck Placing: In order to facilitate water curing of the concrete of the deck slab, the placing of concrete shall progress up-grade. The slab may be placed in sections, between transverse construction joints which are parallel to transverse reinforcing steel and are located near the center of any span.



SEC. C-31A

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 FOR

STATE OF OHIO
 DEPARTMENT OF HIGHWAYS
 DIVISION OF DESIGN AND CONSTRUCTION
 BUREAU OF BRIDGES

SUPERSTRUCTURE DETAILS
 BRIDGE NO. LAK-1-1271 N 4 S
 S.R.I. OVER HERMITAGE ROAD
 LAKE COUNTY
 STA. 318 + 65.65

DESIGN	DRAWN	TRACED	CHECKED	REVISED DATE	REVISED
	CWB		DRT	8-6-59	