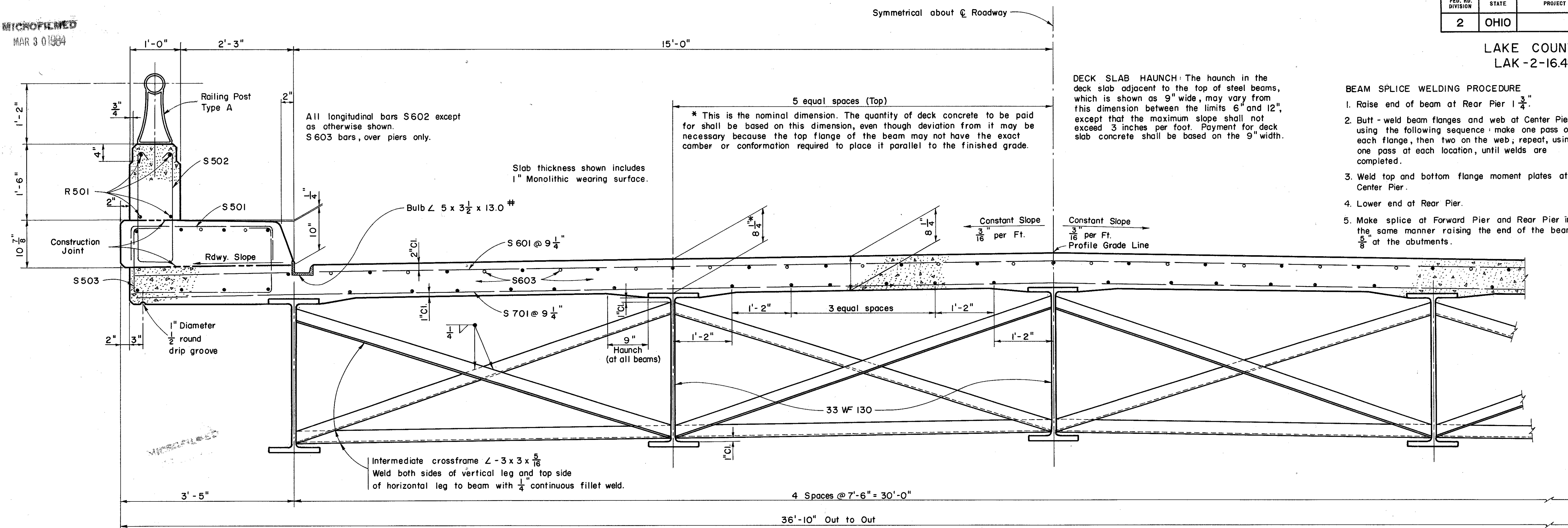


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FED. RD. DIVISION	STATE	PROJECT
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LAKE COUNTY
LAK-2-16.49



DECK SLAB HAUNCH: The haunch in the deck slab adjacent to the top of steel beams, which is shown as 9" wide, may vary from this dimension between the limits 6" and 12", except that the maximum slope shall not exceed 3 inches per foot. Payment for deck slab concrete shall be based on the 9" width.

- BEAM SPLICE WELDING PROCEDURE**
1. Raise end of beam at Rear Pier $1\frac{3}{4}$ ".
 2. Butt-weld beam flanges and web at Center Pier using the following sequence: make one pass 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 Center Pier.
 4. Lower end at Rear Pier.
 5. Make splice at Forward Pier and Rear Pier in the same manner raising the end of the beams $\frac{5}{8}$ " at the abutments.

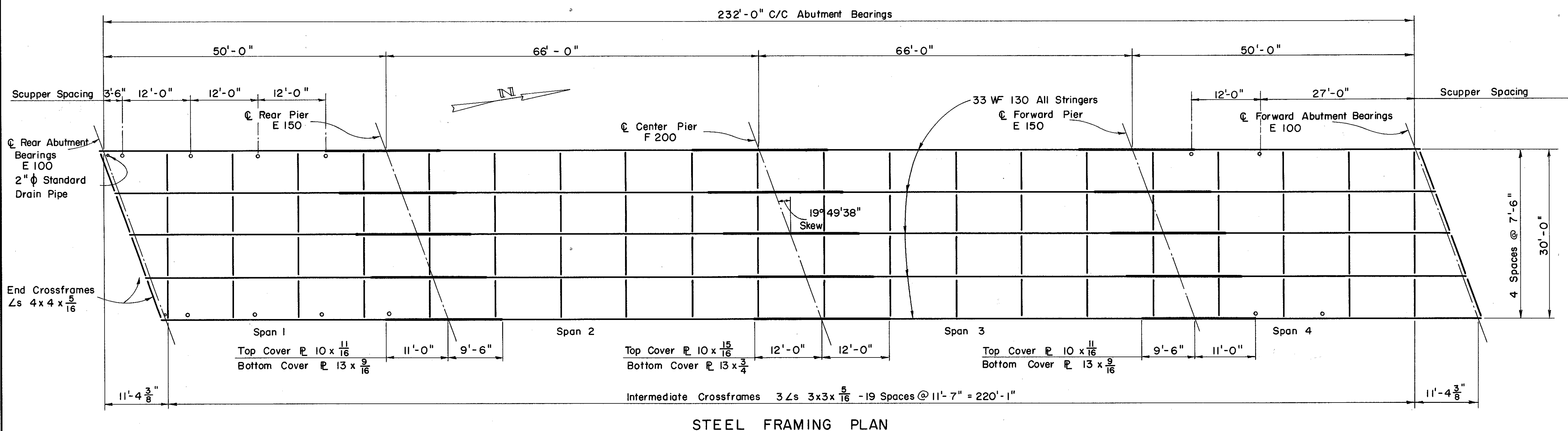
REFERENCE shall be made to Standard Drawing CSB-2-56, sheets 2 & 3 of 6, Revised 2-2-59 for details of end dams, gutters, scuppers, pipe drains, curb plates and cross frames.

REFERENCE shall be made to Standard Drawings FSB-1-62 revised 1-15-63 for details of bearings.

REFERENCE shall be made to Standard Drawing AR-1-57 revised 4-2-62 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.

BEAM WEB WELDS: Butt welds in webs of beams may have convex reinforcement in accordance with Sect. S-7.22. Finishing flush by grinding is not required.



DEFLECTION AND CAMBER				
LOCATION	SPAN 1	SPAN 2	SPAN 3	SPAN 4
Deflection due to weight of steel	0	0	0	0
Deflection due to remaining dead load	$\frac{3}{16}$ "	$\frac{1}{4}$ "	$\frac{1}{4}$ "	$\frac{3}{16}$ "
Convexity required for vertical curve	0	0	0	0
Sum of Deflection and Convexity	$\frac{3}{16}$ "	$\frac{1}{4}$ "	$\frac{1}{4}$ "	$\frac{3}{16}$ "
Required Camber	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

SUPERSTRUCTURE DETAILS
BRIDGE NO. LAK-2-1673
RELOC. S.R. 2 UNDER RELOC. MANTLE ROAD
LAKE COUNTY
STA. 783 + 61.13

DESIGNED M.C.P. L.L.D.	DRAWN M.J.F.	TRACED FWB	CHECKED L.L.D. M.J.F.	REVIEWED DATE G.S.W. M.C.P.	REVISED
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