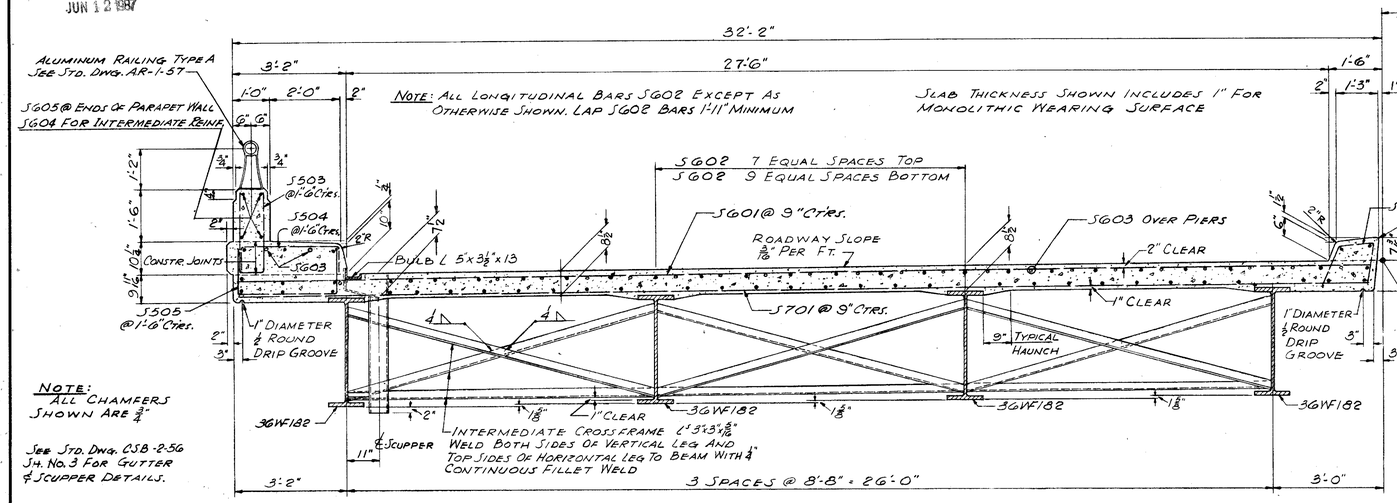
MICROFILMED
JUN 12 1987

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

LAKE COUNTY
LAK-44-1.70

214
228



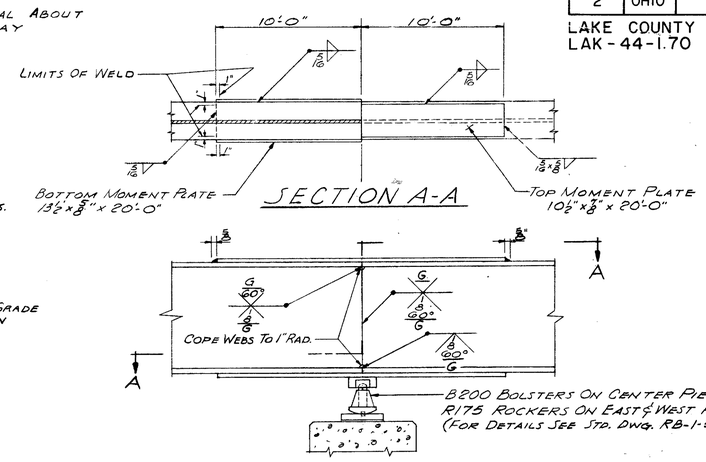
NOTE: ALL LONGITUDINAL BARS S602 EXCEPT AS OTHERWISE SHOWN. LAP S602 BARS 1'-11" MINIMUM

SLAB THICKNESS SHOWN INCLUDES 1" FOR MONOLITHIC WEARING SURFACE

NOTE: ALL CHAMFERS SHOWN ARE ¾"

SEE STD. DWG. CSB-2-56 SH. NO. 3 FOR GUTTER & SCUPPER DETAILS.

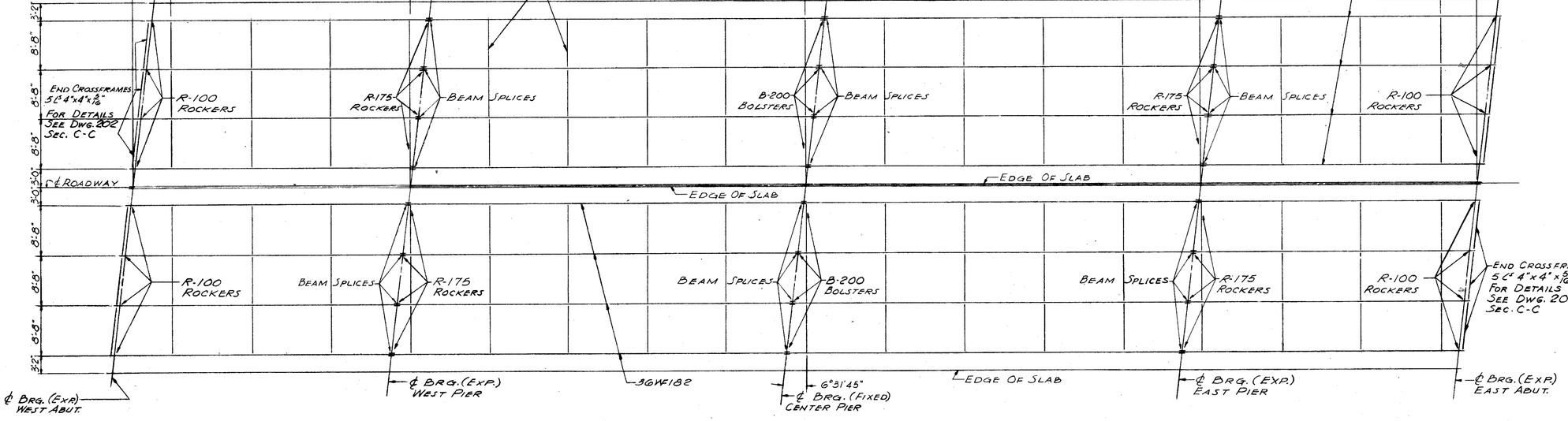
TRANSVERSE HALF SECTION



BEAM SPLICE DETAIL WITH MOMENT PLATES

BEAM SPLICE WELDING PROCEDURE

1. RAISE END OF BEAM AT SECOND PIER 1⅞"
2. BUTT-WELD BEAM FLANGES AND WEB AT FIRST PIER USING THE FOLLOWING SEQUENCE: MAKE ONE PASS ON EACH FLANGE, THEN ONE ON THE WEB; REPEAT UNTIL WELDS ARE COMPLETED.
3. WELD TOP AND BOTTOM FLANGE MOMENT PLATES AT FIRST PIER.
4. LOWER END OF BEAM AT SECOND PIER.
5. MAKE SPLICE AT SECOND AND THIRD PIERS IN THE SAME MANNER RAISING THE END OF THE BEAMS 1⅞" AT THE THIRD PIER AND 11/16" AT THE ABUTMENT.



FRAMING PLAN

SEE DWG. 215 FOR ADDITIONAL DETAILS & NOTES

DEFLECTION AND CAMBER

LOCATION	FASCIA BEAMS		INSIDE BEAMS		MEDIAN BEAMS	
	49'SPAN	70'SPAN	49'SPAN	70'SPAN	49'SPAN	70'SPAN
DEFLECTION DUE TO WEIGHT OF STEEL	NEGLIGIBLE	1/16	NEGLIGIBLE	1/16	NEGLIGIBLE	1/16
DEFLECTION DUE TO REMAINING DEAD LOAD	1/8	3/8	1/8	3/8	1/8	3/8
SUM OF DEFLECTIONS	1/8	7/16	1/8	7/16	1/8	7/16
REQUIRED CAMBER	0	0	0	0	0	0

TRYGVE HOFF & ASSOCIATES
ENGINEERS
1922 EAST 107TH STREET CLEVELAND, OHIO

SUPERSTRUCTURE DETAILS
BRIDGE NO LAK-44-0411
S.R.44 UNDER S.R. 84
LAKE COUNTY S.R.44
STA. 217+54.03

SCALE		DATE				
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
CLS	DAT		GLP	A.J.	4-29-58	