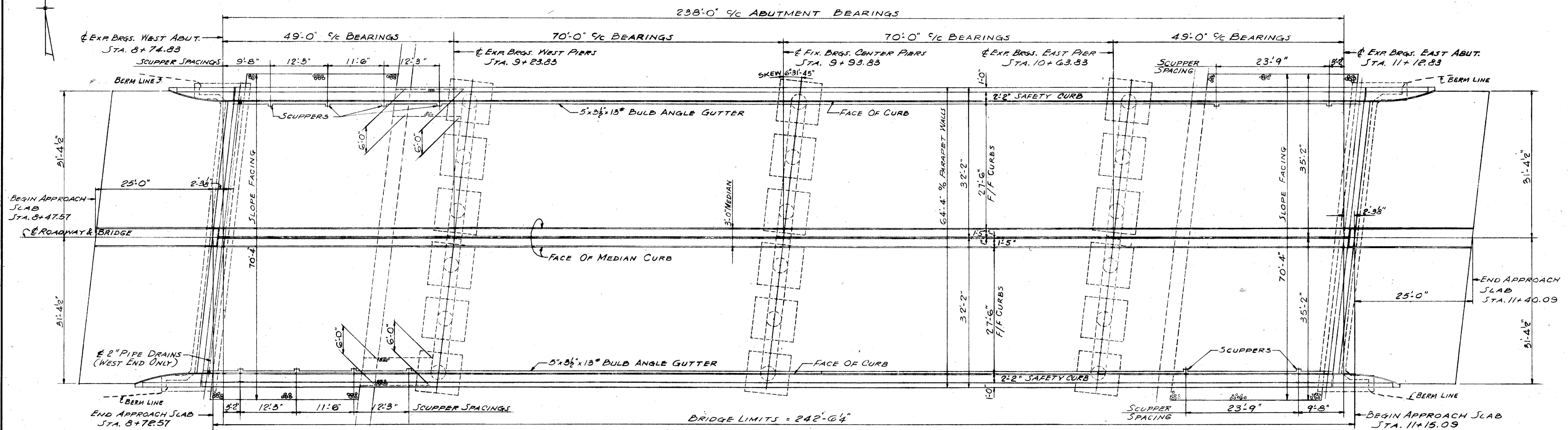
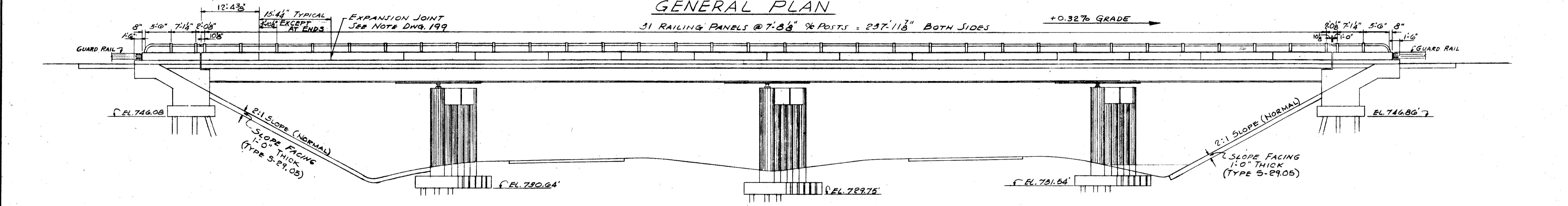


N
MICROFILMED
JUN 13 1987



BRIDGE LIMITS = 242'-0 1/4"
GENERAL PLAN
31 RAILING PANELS @ 7'-8 3/8" POSTS = 237'-11 1/8" BOTH SIDES
+0.32% GRADE



GENERAL ELEVATION

GENERAL NOTES

REFERENCE SHALL BE MADE TO STANDARD DRAWINGS RB-1-55, DATED 3-1-55, CSB-2-56 SHEET #3 DATED 3-1-58, AND AR-1-57 REVISED 3-1-58, AND TO SUPPLEMENTAL SPECIFICATIONS S-114, ALUMINUM FOR BRIDGE RAILING, REVISED 8-1-57.

DESIGN SPECIFICATIONS: THIS STRUCTURE CONFORMS TO THE REQUIREMENTS OF "DESIGN SPECIFICATIONS FOR HIGHWAY STRUCTURES" OF THE STATE OF OHIO, DEPARTMENT OF HIGHWAYS, DATED 9-1-57 TOGETHER WITH REVISIONS THEREOF DATED 2-21-58.

SLOPE FACING SHALL BE PROVIDED UNDER THE STRUCTURE AT BOTH ABUTMENTS. THE POROUS DRAIN MATERIAL SHALL BE 12" THICK AND SHALL BE LOCATED AS SHOWN IN THE PLANS.

PILES SHALL BE DRIVEN TO A MINIMUM BEARING CAPACITY OF 35 TONS.

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. CLASS "B" WELDS ARE SHOWN THUS: (B)

WELDED STEEL: THE STEEL FOR THE 36 WF 182 BEAMS SHALL CONFORM TO ASTM DESIGNATION A-373. ALL OTHER STRUCTURAL STEEL SHALL CONFORM TO EITHER ASTM A-7 (AS PER SEC. M 7.4.1 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS) OR TO A-373.

ESTIMATED QUANTITIES				
ITEM	TOTAL	UNIT	DESCRIPTION	SUPER ABUT. PIER GEN.
E-2	770	Cu Yds	UNCLASSIFIED EXCAVATION	298 472
S-1	479	Cu Yds	CLASS "C" CONCRETE, SUPERSTRUCTURE	479
S-1	149	Cu Yds	CLASS "C" CONCRETE, PIER CAPS & COLUMNS	149
S-1	132	Cu Yds	CLASS "E" CONCRETE, PIER FOOTINGS	132
S-1	217	Cu Yds	CLASS "E" CONCRETE, ABUTMENTS	217
S-4	189076	LBS	REINFORCING STEEL	130702 14733 42440
S-7	43152	LBS	STRUCTURAL STEEL	43152
S-8	43152	LBS	FIELD PAINTING OF STRUCTURAL STEEL	43152
S-14	53644	LINEAL FT	RAILING (ALUMINUM RAIL, SUPPORTS & CONCRETE PARAPET)	53644
S-13	4840	LINEAL FT	12" CAST-IN-PLACE REINF. CONC. PILES	1600 3240
S-29	50	Cu Yds	POROUS BACKFILL	50
S-29	198	Cu Yds	SLOPE FACING (5-29.05 Type)	198
S-16	LUMP	SUM	FIRST TEST PILE	LUMP

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

**GENERAL PLAN & ELEVATION,
GEN. NOTES, & EST. QUANTITIES**

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
GLS	CAJ	GLP	A.J.
REVIEWED	DATE	REVISED	
	4-29-58		