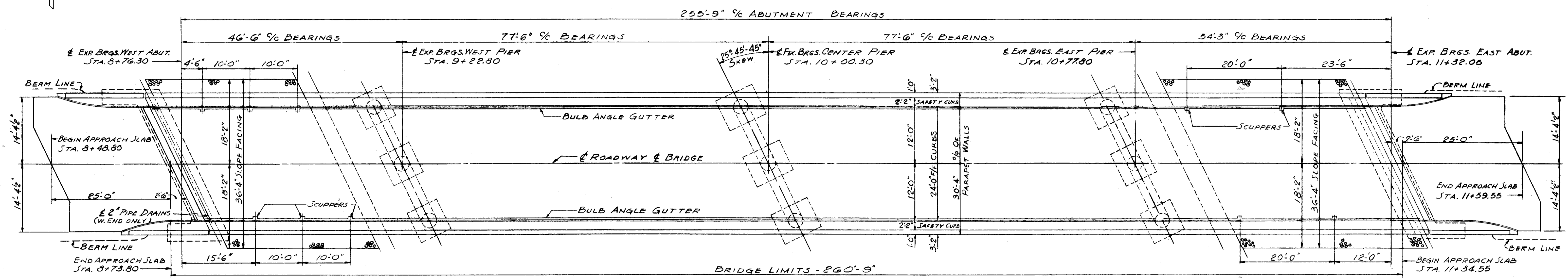


N
MICROFILMED
JUN 11 1967

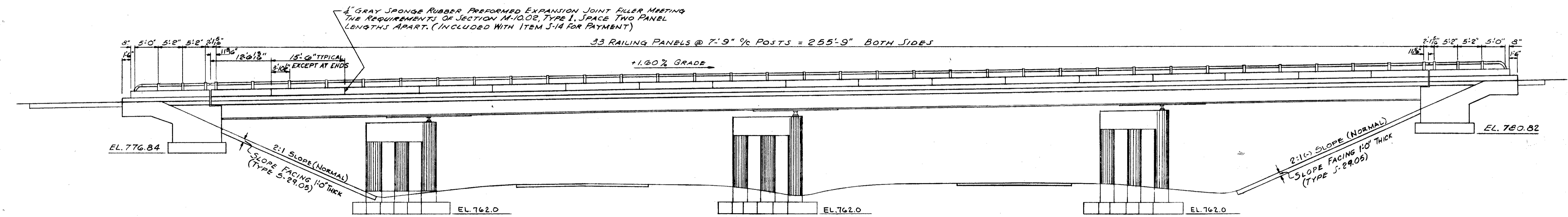
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

199
228

LAKE COUNTY
LAK-44-1.70



GENERAL PLAN



GENERAL ELEVATION

GENERAL NOTES

REFERENCE SHALL BE MADE TO STANDARD DRAWINGS RB-1-55, DATED 3-1-55, C.S.B. 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 3-1-57. 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 THERE OF DATED 2-21-58

FOUNDATION BEARING PRESSURE: PIER FOOTINGS ARE DESIGNED FOR A MAXIMUM BEARING PRESSURE OF 3.5 TONS PER SQ. FT. ABUTMENT FOOTINGS ARE DESIGNED FOR A MAXIMUM BEARING PRESSURE OF 125 TONS PER SQ. FT. 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: WELDED STEEL: THE STEEL FOR THE 36 WF 170 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 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS) OR TO A-373. 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.

ESTIMATED QUANTITIES					
ITEM	TOTAL	UNIT	DESCRIPTION	SUPER.	ABUT. PIER GEN.
	475				
E-2	400	Cu.Yds.	UNCLASSIFIED EXCAVATION	196	21-279
S-1	247	Cu.Yds.	CLASS "C" CONCRETE, SUPERSTRUCTURE	247	
S-1	75	Cu.Yds.	CLASS "C" CONCRETE, PIER CAPS & COLUMNS		75
S-1	44	Cu.Yds.	CLASS "E" CONCRETE, PIER FOOTINGS		44
S-1	127	Cu.Yds.	CLASS "E" CONCRETE, ABUTMENTS	127	
	91206				
S-4	90385	LBS.	REINFORCING STEEL	63,119	7,418 19,848 20,000
S-7	217545	LBS.	STRUCTURAL STEEL	217545	
S-8	217545	LBS.	FIELD PAINTING OF STRUCTURAL STEEL	217545	
S-14	58327	LIN. FT.	RAILING (ALUMINUM RAIL, SUPPORTS & CONCRETE PARAPET)	58327	
S-29	23	Cu.Yds.	POROUS BACKFILL	23	
S-29	107	Cu.Yds.	SLOPE FACING (S-29.05 Type)		107

Revised 12-15-58

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

GENERAL PLAN & ELEVATION
GEN. NOTES & EST. QUANTITIES
BRIDGE NO. LAK-44-0304
SR. 44 UNDER PROUTY ROAD
LAKE COUNTY SR. 44
STA. 160+83.52

SCALE	DATE
DESIGNED	CHECKED
DRAWN	REVIEWED
CLT	A.J.
	4-29-58