

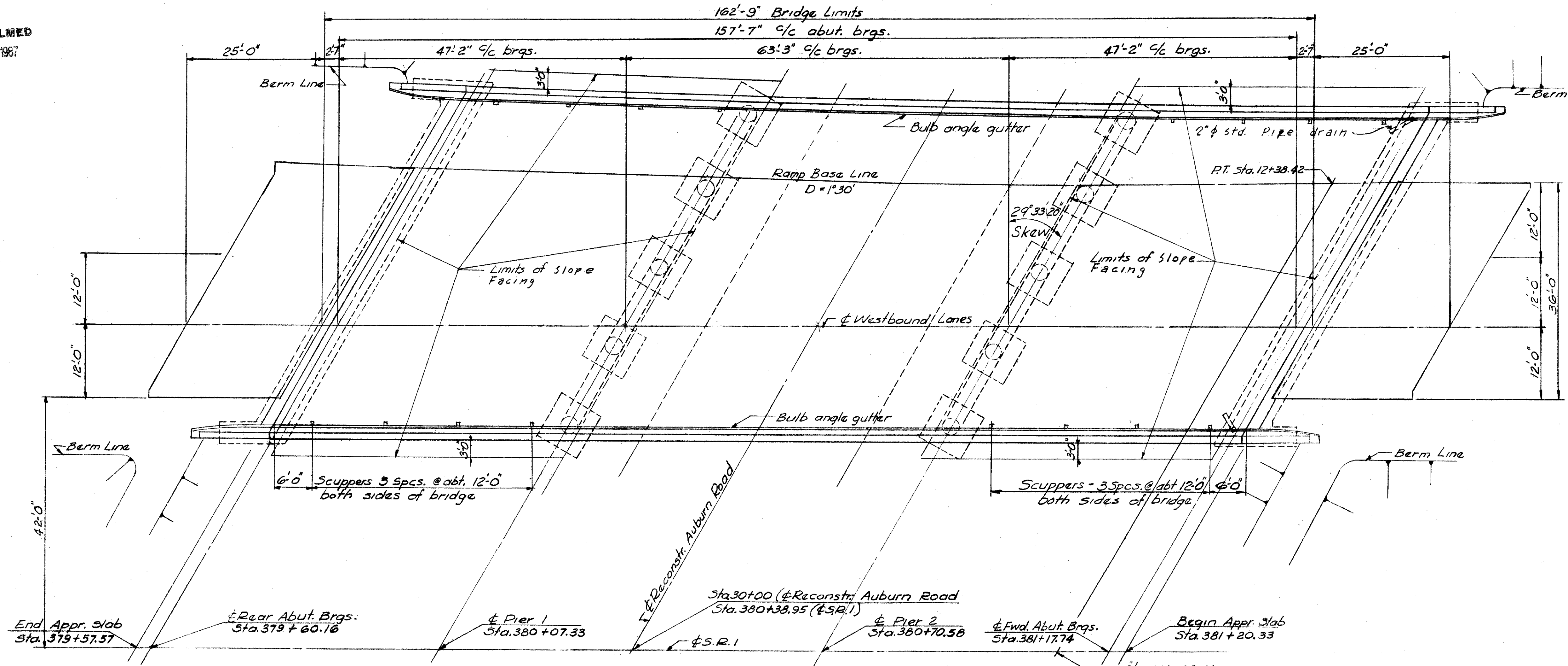
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FED. RD. DIVISION	STATE	PROJECT	422
2	OHIO	ACI-1103(21)	488

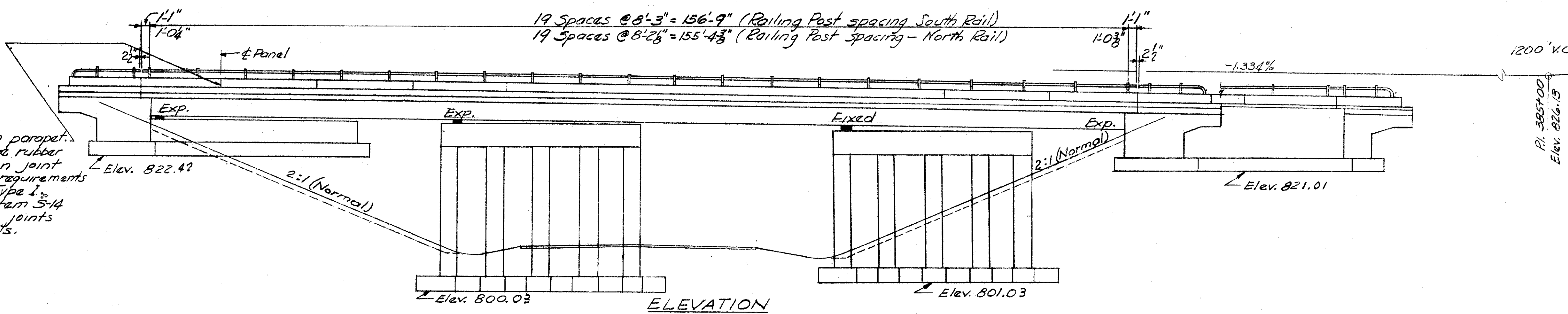
LAKE COUNTY  
SEC LAK-1-12.89  
GENERAL NOTES

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.  
REFERENCE shall be made to Standard Drawings RB-1-55, dated 3-1-55, CSB-2-56, sheets 2 and 3 of 6, revised 3-1-58, AR-1-57, revised 3-1-58, and Supplemental Specifications S-114, revised 8-1-57, B.I-127 revised 11-16-57. Welding of structural steel shall be Class A, except as otherwise shown. Any welds shown as field welds may at the option of the contractor be made in the shop.

Slope Facing, one foot thick, shall be provided at each end of bridges, as indicated on general plan.  
Excavation quantity includes the removal of fill material between surface of proposed embankment and bottom of abutment. Backfill behind abutments shall be made with material meeting the requirements of Sec. I-22 and shall be compacted in accordance with requirements for embankment compaction. Payment for backfill shall be included with unclassified excavation.  
Embankments to be placed to subgrade elevation for a distance of approximately 200 feet beyond the bridge limits as early as practical in the construction procedure, and before work is begun on the abutments or piers. Abutments should be placed as late as practical, with a minimum time lapse of 30 days between completion of the embankment and starting of work on the abutments.  
Measurements for payment of railings shall be to far end of parapet on abutments. The price per linear foot of railing includes payment for guard rail, posts, anchors, fittings, reinforced concrete parapet, and parapet expansion joint filler.  
Welded Steel: The steel for 36WF140 shall conform to ASTM Designation A-373. All other structural steel shall conform to either ASTM A-7 (as per Sec. M-7.4 (a) of the Construction and Material Specifications) or to A-373.



GENERAL PLAN - NORTH BRIDGE



Deflection joints in parapet. Fill with grey sponge rubber preformed expansion joint filler, meeting the requirements of Section M10.02 Type I. (Included with item S-14 for payment). Space joints in alternate panels.

ESTIMATED QUANTITIES (NORTH BRIDGE)							
ITEM	TOTAL	UNIT	DESCRIPTION	SUPERSTR.	ABUTMENTS	PIERS	GENERAL
E-2	455	Cu. Yds.	Unclassified Excavation		275	180	
S-1	285	Cu. Yds.	Class "C" Concrete, Superstructure	285			
S-1	113	Cu. Yds.	Class "C" Concrete, Pier Caps & Columns			113	
S-1	134	Cu. Yds.	Class "E" Concrete, Abutments above Footings.		134		
S-1	130	Cu. Yds.	Class "E" Concrete, Footings		70	60	
S-4	128,022	Lbs.	Reinforcing Steel	81,108	12,078	34,836	
S-7	260,000	Lbs.	Structural Steel	260,000			
S-8	260,000	Lbs.	Field Painting of Structural Steel	260,000			
S-14	373	Lin. Ft.	Railing (Aluminum Rail & Supports, Concrete parapet)	373			
S-29	43	Cu. Yds.	Porous Backfill		43		
S-29	285	Cu. Yds.	Slope facing (S-29.05 Type)				285
E-2	200	Cu. Yds.	Shale Excavation		150	50	

SEC C-32 FED. AID PROJ. NO. ACI-1103 (21)

PREPARED BY  
CAPITOL ENGINEERING ASSOCIATES, DILLSBURG, PA  
FOR

STATE OF OHIO  
DEPARTMENT OF HIGHWAYS

GENERAL PLAN - ELEVATION - QUANTITIES  
BRIDGE NO. LAK-1-1389  
S.R.1 OVER AUBURN RD. (NORTH BRIDGE)  
LAKE COUNTY  
STA 380 + 38.95

DESIGNED	DRAWN	TRACED	CHECKED	REVISED	DATE	REVISED
SMcK	CEB		JMM			