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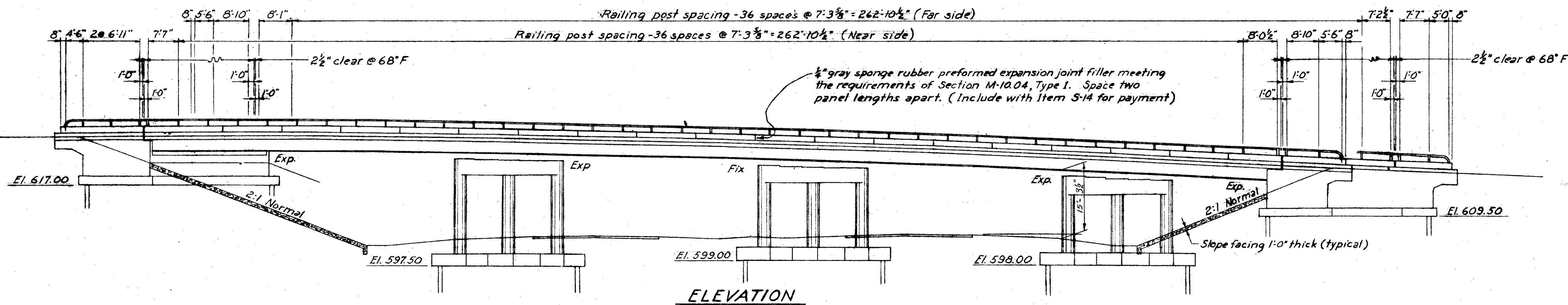
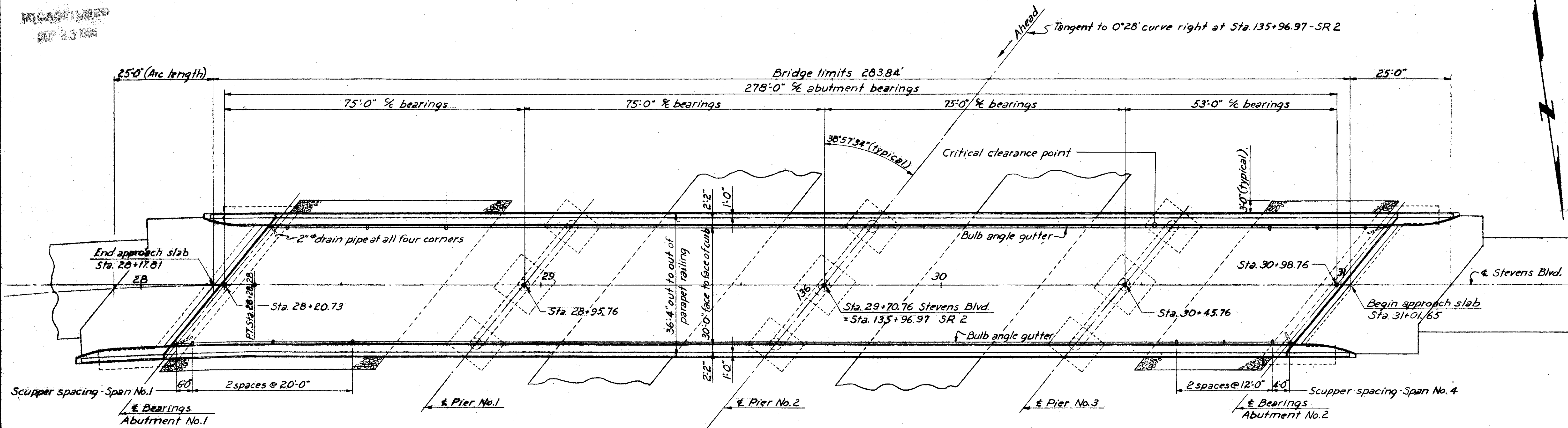
FED. RD. DIVISION	STATE	PROJECT
2	OHIO	F-U-329 (15)

233
297

LAKE COUNTY
SEC. LAK-2-4.42

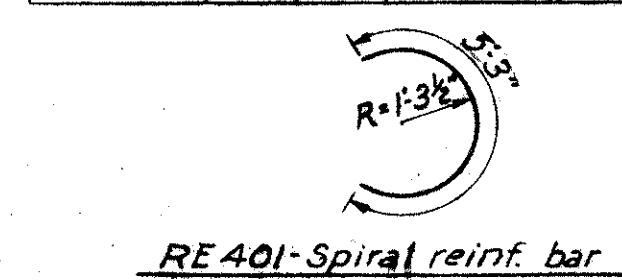
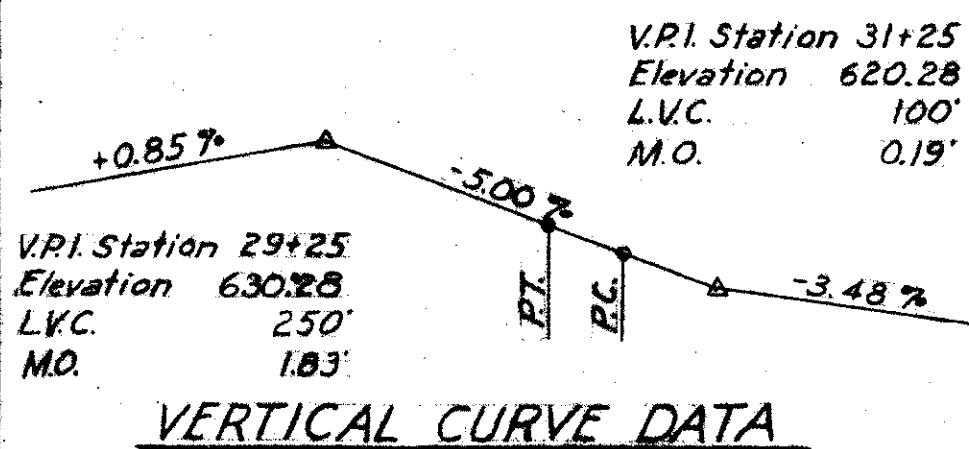
GENERAL NOTES

- **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 current revisions thereof.
- **REFERENCE** shall be made to Standard Drawings RB-1-55, revised 2-2-59; CSB-2-56, sheets 2 and 3 of 6, revised 2-2-59; AR-1-57, revised 2-2-59.
- **BAR SIZE** is indicated in the bar mark. The first digit where three digits are used, and the first two digits where four are used, indicate the bar size number. For example, A700 is a No. 7 size bar and A1014 is a No. 10 size bar.
- **REPLACEMENT BARS:** If the reinforcing bars are fabricated from stock which has previously been tested and approved by the Ohio Highway Testing Laboratory, test sample as provided in Section S-4.02 need not be furnished and replacement bars will not be required.
- **Crushed Aggregate Slope Protection (I-10.04)** shall be provided as shown on the "General Plan".
- **Excavation Quantity** for the abutments in addition to that outlined in Sec. E-2.09, includes the removal of material bounded by the proposed bench, by the front vertical plane described in Sec. 2-09 and by the finished slope of the cut. Backfill behind the abutments shall be made with material meeting the requirements of Sec. I-22 and shall be compacted in accordance with the requirements for embankment compaction. The payment for this I-22 backfill shall be considered as included in the payment for E-2, Unclassified Excavation.



ESTIMATED QUANTITIES							
ITEM	TOTAL	UNIT	DESCRIPTION	SUPERSTR.	ABUTS.	PIERS	GENERAL
E-2	605	Cu.Yds.	Unclassified excavation		319	286	
S-1	313	Cu.Yds.	Class "C" concrete, superstructure	313			
S-1	90	Cu.Yds.	Class "C" concrete, pier caps and columns			90	
S-1	115	Cu.Yds.	Class "E" concrete, abutments, above footings		115		
S-1	203	Cu.Yds.	Class "E" concrete, footings		97	106	
S-4	133,005	Lbs.	Reinforcing steel	82,921	16,960	33,124	
S-7	326,000	Lbs.	Structural steel				
S-8	326,000	Lbs.	Field painting of structural steel, as per plan				
S-14	625	Lin. Ft.	Railing (aluminum rail and supports, concrete parapets)	561	64		
S-16	Lump	Sum	First test pile				Lump
S-18	2,800	Lin. Ft.	Steel piles, 12 BP53		1,470	1,330	
S-29	37	Cu.Yds.	Porous backfill		37		
I-10	415	Sq. Yds.	Crushed Aggregate Slope protection				415

REPLACEMENT BARS				
MARK	NO.	SIZE	LENGTH	TYPE
RE 400	1	4	5'-3"	Str.
RE 401	1	4	5'-3"	Bent
RE 500	1	5	5'-7"	Str.
RE 600	2	6	5'-11"	Str.
RE 700	2	7	6'-3"	Str.
RE 800	1	8	6'-6"	Str.
RE 1100	1	11	7'-6"	Str.



PREPARED BY
CAPITOL ENGINEERING ASSOCIATES, DILLSBURG, PA.
FOR

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
DIVISION OF DESIGN AND CONSTRUCTION
BUREAU OF BRIDGES

GENERAL PLAN
BRIDGE NO. LAK-2-0447
S.R. 2 UNDER STEVENS BLVD.
LAKE COUNTY
STA. 135 + 96.97

DESIGNED	DRAWN	TRACED	CHECKED	REVISED DATE	REVISED
JJM	JJM				