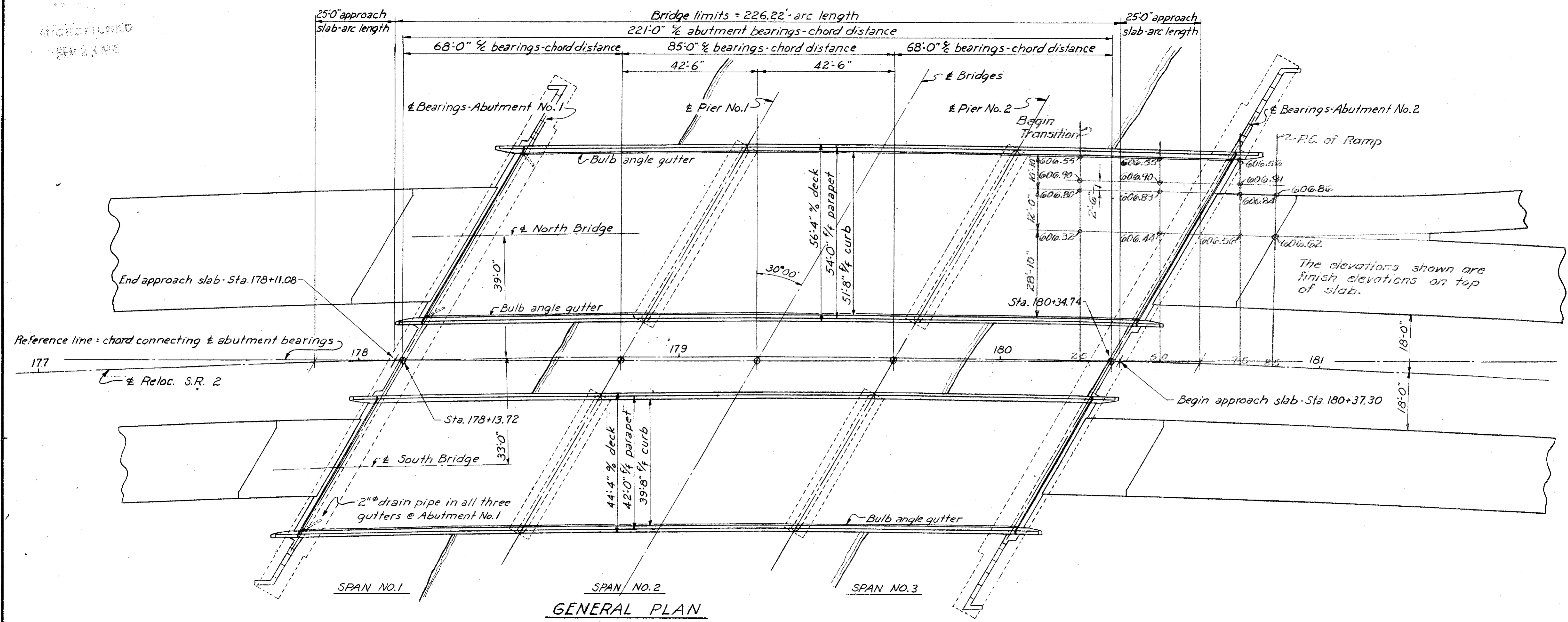


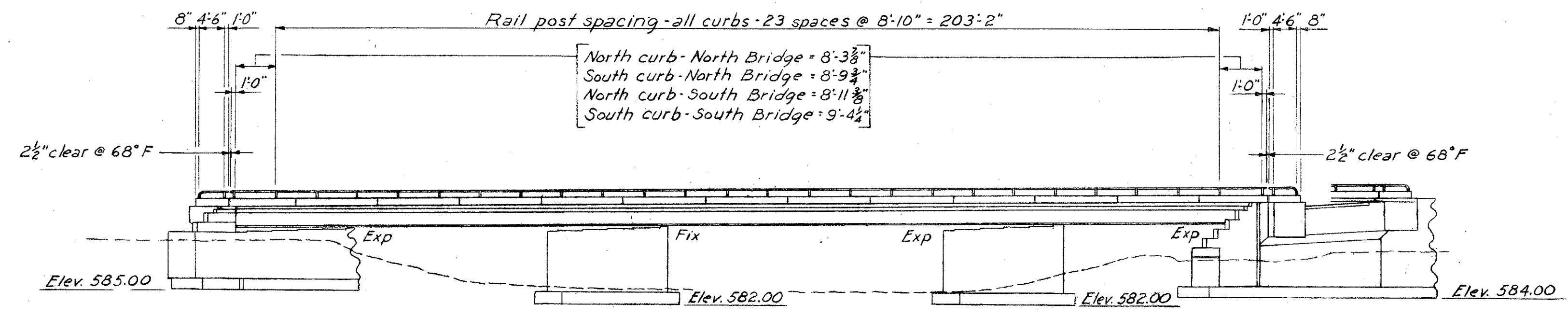
LAKE COUNTY  
SEC. LAK-2 - 4.42

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.
- REPLACEMENT BARS: If reinforcing bars are fabricated from stock which has previously been tested and approved by the Ohio Testing Laboratory, test samples as provided in Sec. S-4.02 need not be furnished and replacement bars will not be required.



GENERAL PLAN



ELEVATION

REPLACEMENT BARS				
MARK	NO.	SIZE	LENGTH	TYPE
RE 400	1	4	5'-3"	Str.
RE 500	3	5	5'-7"	Str.
RE 600	8	6	5'-11"	Str.
RE 700	4	7	6'-3"	Str.
RE 800	1	8	6'-6"	Str.
RE 900	1	9	6'-10"	Str.

ESTIMATED QUANTITIES				NORTH BRIDGE				SOUTH BRIDGE			
ITEM	TOTAL	UNIT	DESCRIPTION	SUPERSTR.	ABUTS.	PIERS	GENERAL	SUPERSTR.	ABUTS.	PIERS	GENERAL
E-2	1480	Cu. Yds.	Unclassified excavation		825				655		
E-2	196	Cu. Yds.	Shale excavation		37	72			30	57	
E-2	Lump	Sum	Cofferdams, cribs and sheeting				Lump				Lump
S-1	727	Cu. Yds.	Class "C" concrete, superstructure	405				322			
S-1	321	Cu. Yds.	Class "E" concrete, piers above footings			188				133	
S-1	530	Cu. Yds.	Class "E" concrete, abutments above footings		297				233		
S-1	438	Cu. Yds.	Class "E" concrete, footings		170	72			139	57	
S-3	90	Lin. Ft.	Waterproofing, premolded sealing strip		48				42		
S-4	291,066	Lbs.	Reinforcing steel	114,343	(39,782)	12,107		84,533	(31,468)	8,833	
S-7	805,500	Lbs.	Structural steel	442,500	40,160			363,000	31,745		
S-8	805,500	Lbs.	Field painting of structural steel as per plan	442,500				363,000			
S-9	66	Sq. Ft.	1" preformed expansion joint filler		35				31		
S-14	942	Lin. Ft.	Railing (aluminum rail and supports, concrete parapet)	445	25			447	25		
S-29	240	Cu. Yds.	Porous backfill		140				100		

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-2-0527  
RELOC. S.R. 2 OVER CHAGRIN RIVER  
LAKE COUNTY  
STA. 179 + 25.00

DESIGNED	DRAWN	TRACED	CHECKED	REVISED DATE	REVISED