

LAKE COUNTY
LAK - 2-7.39

GENERAL NOTES

REFERENCE shall be made to Standard Drawings RB-1-55 Dated 3-1-55, C 9 B-2-56 Sheets 2 & 3 of 6 Revised 3-1-58, AR-1-57 Revised 3-1-58, and to Supplemental Specifications S-114 Revised 8-1-57.

DESIGN SPECIFICATIONS: This structure conforms to the requirements of "Design Specifications for Highway Structure" of the State of Ohio, Department of Highways, dated Sept. 1, 1957 Together with revisions hereof dated 2-21-58.

RAILING: Measurement for payment 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.

PROCEDURE: At Abutments the embankment shall be placed and compacted up to the finished spill-thru slope and to the level of the subgrade for a distance of 100 feet back of the abutment, after which excavation shall be made for the abutment.

WELDING: structural steel shall be Class "A" except as otherwise shown. Class "B" welds shown thus: Any welds shown as field welds may, at the option of the contractor, be made in the shop.

POROUS BACKFILL: 2 ft. thick full length of abutment and wings shall extend up to the under side of the approach slab or to the finished ground surface.

WELDED STEEL: The steel for the 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 (a) of the Construction & Material Specifications) or to A-373.

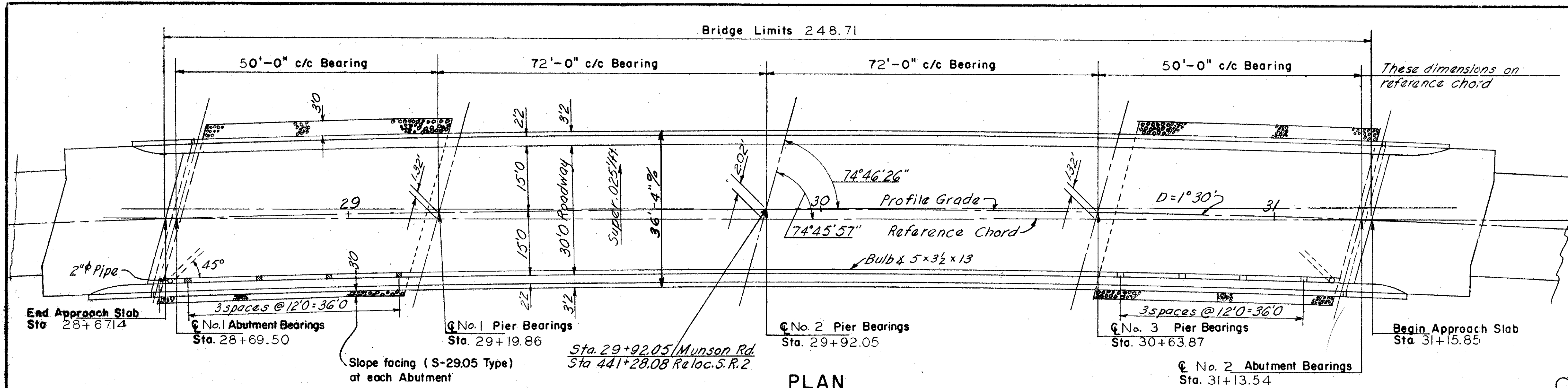
CONCRETE DECK PLACING: In order to facilitate water curing of the concrete of the deck slab, the placing of concrete shall progress up grade. The slab may be placed in sections, between Transverse construction joints which are normal to the center line of Roadway and are located near the center of any span.

SLOPE FACING: (S-29.05 Type) shall be provided under the structure at both abutments. The porous material shall be 12" thick and shall extend from the face of the abutment down to toe of Slope and transversely to 3 ft. outside the edge of the superstructure.

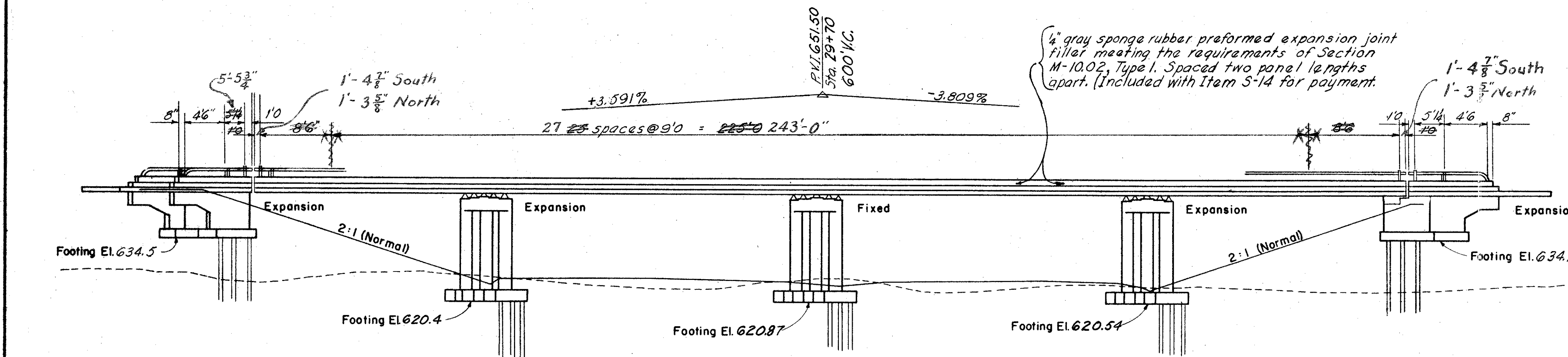
BAR SIZE is indicated in the bar mark. The first digit where three digits are used and the first two digits where four are used, indicate the bar size number. For example, A700 is a No. 7 bar & A1014 is a No. 10 bar.

EXCAVATION QUANTITY includes the removal of fill material between the surface of the earth fill and the bottom of the abutment. 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. Backfill to be paid for under E-2, unclassified excavation.

MICROFIL
DEC 5 1988

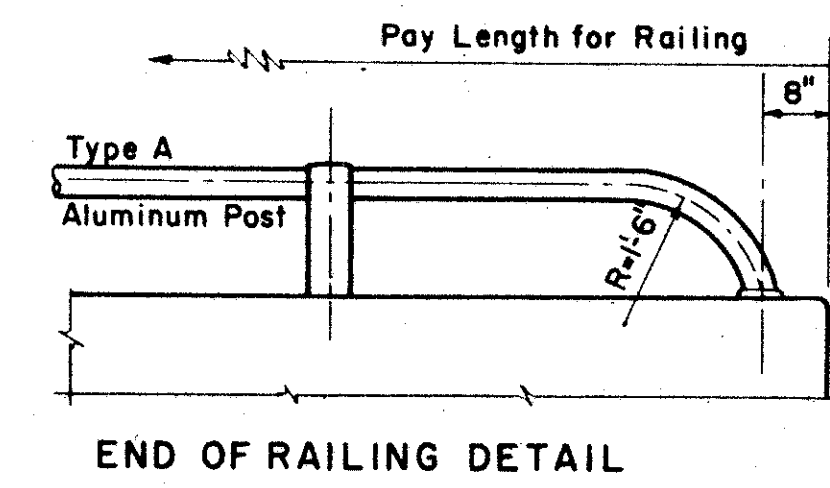


PLAN

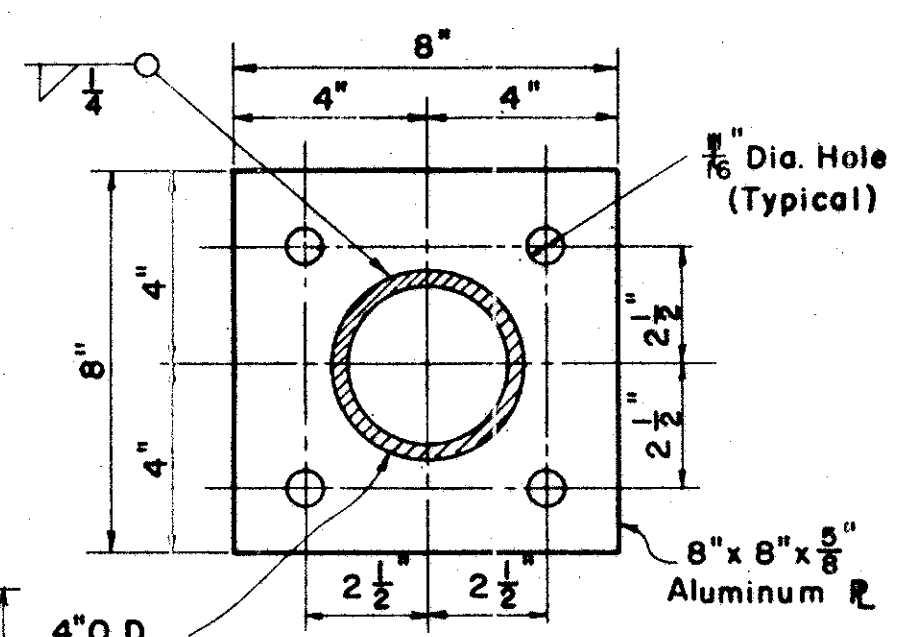


ELEVATION

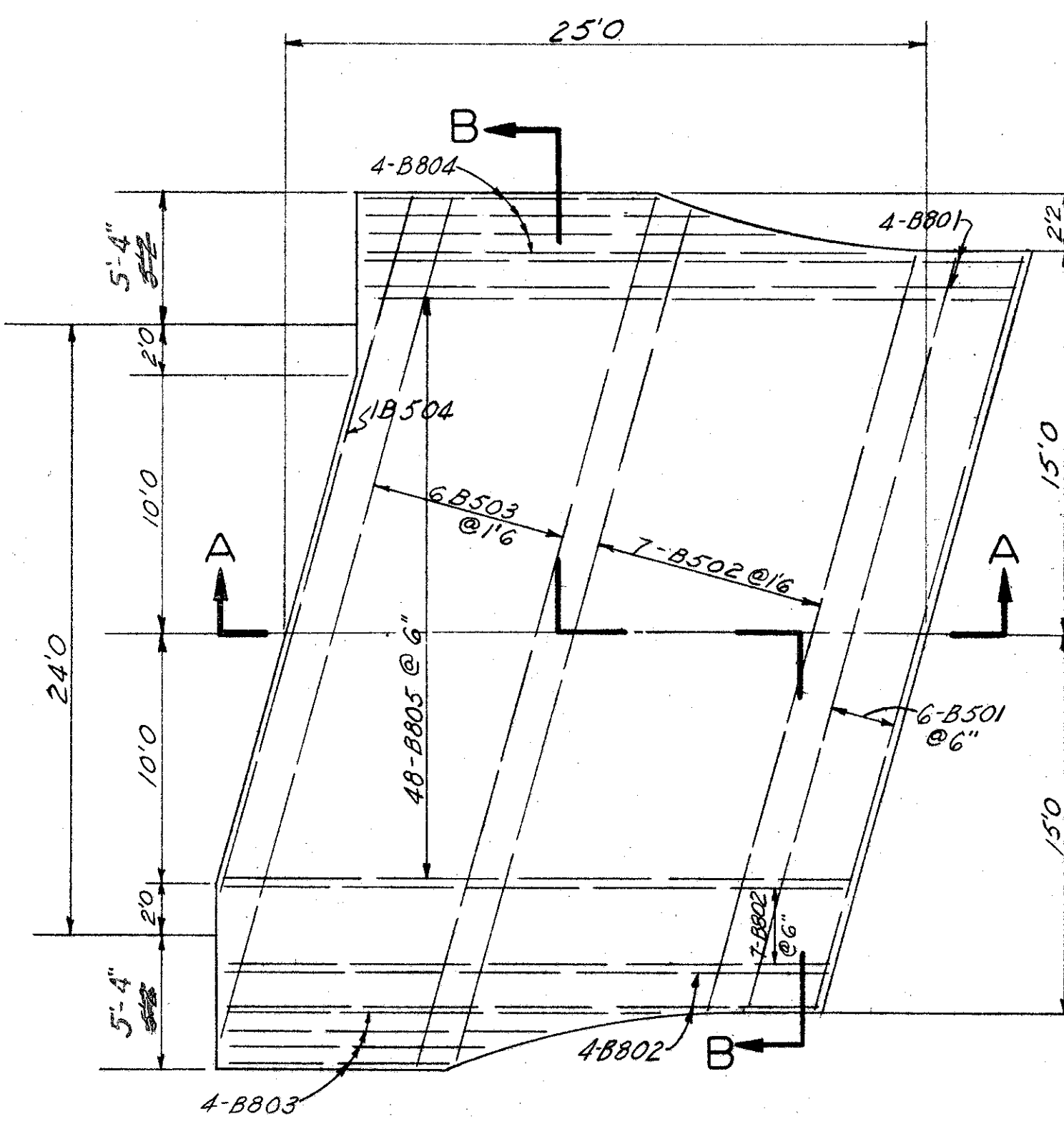
Mark	No.	Length	Type	Details	Weight
B501	6	30'6"	5/16"		
B502	7	30'6" to 34'6"	5/16"	Lea. varies by 8"	
B503	6	35'0"	5/16"		
B504	1	28'0"	5/16"		
B801	4	26'1"	B		250
B802	11	24'1"	B		230 (10'-5" to 15'-8")
B803	4	24'1"	B		230 (10'-5" to 15'-8")
B804	4	24'1"	B		230 (10'-5" to 15'-8")
B805	48	2'5.7"	B		246 (14'-5" to 20'-5")



END OF RAILING DETAIL



DETAIL RAILING END ANCHOR PLATE



ITEM	TOTAL	UNIT	DESCRIPTION	SUPER.	ABUT.	PIERS	GEN.
E-2	1110	Cu. Yd.	Unclassified excavation		360	750	
S-1	287	Cu. Yd.	Class "C" concrete, superstructure	287			
S-1	90	Cu. Yd.	Class "C" concrete, pier cap and columns			90	
S-1	217	Cu. Yd.	Class "E" concrete, footings		61	156	
S-1	78	Cu. Yd.	Class "E" concrete, abutments above footings		78		
S-4	73,910	Lb.	Reinforcing steel	73,910	11,636	36,752	
S-7	240,055	Lb.	Structural steel	240,055	11,580		
S-8	240,055	Lb.	Field painting of structural steel	240,055			
S-14	538	Lin. Ft.	Railing, aluminum rail, supports and concrete parapet	491	47		
S-16	Lump	Sum	First test pile				Lump
S-18	6060	Lin. Ft.	Steel Piles (12BP53)		1740	4320	
S-29	23	Cu. Yd.	Porous backfill		23		
S-29	126	Cu. Yd.	Slope facing (S-29.05 type)		126		

SEC. L-32 FED. AID PROJ. NO. F-329 (16)

PREPARED BY
CAPITOL ENGINEERING ASSOCIATES, DILLSBURG, PA.
FOR

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

GENERAL PLAN & QUANTITIES
BRIDGE NO. LAK-2-1025
S. R. 2 UNDER MUNSON ROAD
LAKE COUNTY

STA. 441+28.08

DESIGNED	DRAWN	TRACED	CHECKED	REVISED	DATE	REVISED
M			P			4-1-59