

PLAN

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

348  
384

LAKE COUNTY  
SEC. LAK-2-14.22

GENERAL NOTES

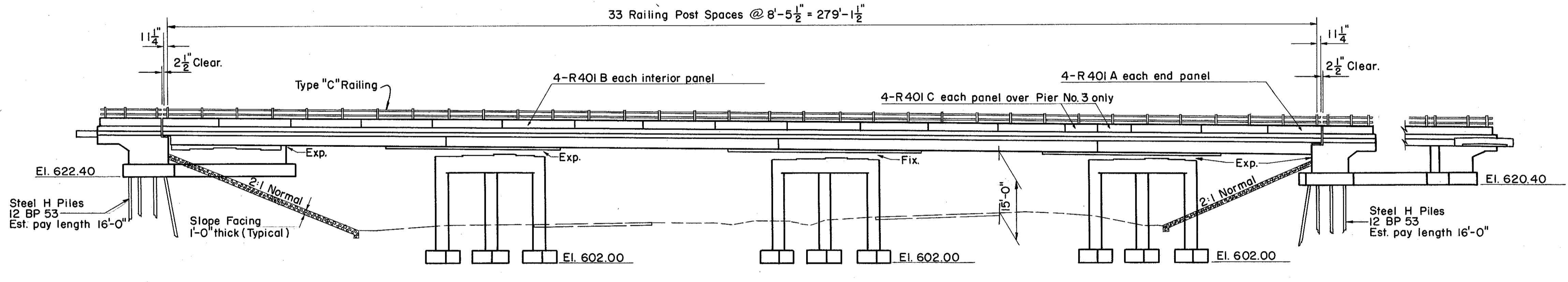
REFERENCE shall be made to Standard Drawings CSB-2-56 revised 2-2-59, Sheets 2 & 3 of 6, and AR-1-57 revised 2-2-59.

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.

EXCAVATION QUANTITY for Abuts. 1 & 2 in addition to that outlined in Sec. E-2.09, includes the removal of material bounded by the proposed slope, by the front vertical plane described in Sec. E-2.09 and by the finished slope of the cut.

Piles shall be driven to a minimum bearing capacity of 30 tons per pile.

MACHINE FINISH: The bridge deck shall be machine finished (5-1.23).



ELEVATION

0.00%      -1.52%

P.V.I. 30 + 25  
Elev. 634.17  
L.V.C. = 400'  
M = 0.76'

FOUNDATION BEARING PRESSURE: Pier Footings are designed for a maximum bearing pressure of 10 tons per sq. ft.

POROUS BACKFILL, 2 ft. thick, full length of abutment backwall shall extend up to the underside of the approach slab. Excavation therefor, in excess of that required for construction of the abutment shall be considered as paid for in the bid price per cu. yd. paid for porous backfill.

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.

CRUSHED AGGREGATE SLOPE PROTECTION (I-10.04) one foot thick shall be provided as indicated on the General Plan.

ESTIMATED QUANTITIES									
ITEM	TOTAL	UNIT	DESCRIPTION	SUPER.	ABUT.	PIER	GEN.	As	Built
E-2	Lump	Sum	Cofferdams, Cribs and Sheeting				Lump		
E-2	-49+	Cu. Yds.	Unclassified Excavation		262	229		2037 +17	508
E-2	14	Cu. Yds.	Shale			14			
S-1	-365	Cu. Yds.	Class "C" Concrete, Superstructure	365				2038 -10	355
S-1	101	Cu. Yds.	Class C Concrete, Pier Columns and Caps			101			
S-1	128	Cu. Yds.	Class E Concrete, Pier & Abutment Footings		85	43			
S-1	-95	Cu. Yds.	Class E Concrete, Abutments above footings		95			2037 +16	111
S-4	126,756	Lbs.	Reinforcing Steel	83,749	12,826	30,181			
S-7	284,800	Lbs.	Structural Steel	284,800					
S-8	284,800	Lbs.	Field Painting of Structural Steel	284,800					
S-14	618	Lin. Ft.	Railing (Aluminum Rail & Supports, & Conc. Parapet.) type C	562	56				
S-16	Lump	Sum	First Test Pile				Lump		
S-18	640	Lin. Ft.	12" BP 53 Steel Bearing Piles		640			2037 -16	624
S-29	14	Each	Scuppers	14					
S-29	35	Cu. Yds.	Porous Backfill		35			2037 -5	30
I-10	-449	Sq. Yds.	Crushed Aggregate Slope Protection				449	2037 +27	476

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-2-1593  
RELOC. S. R. 2 UNDER ELM STREET  
LAKE COUNTY  
STA. 741 + 03.27

DESIGNED JWC by DRT	DRAWN DET	TRACED RWB.	CHECKED SMM. by DRT	REVIEWED DATE	REVISED
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