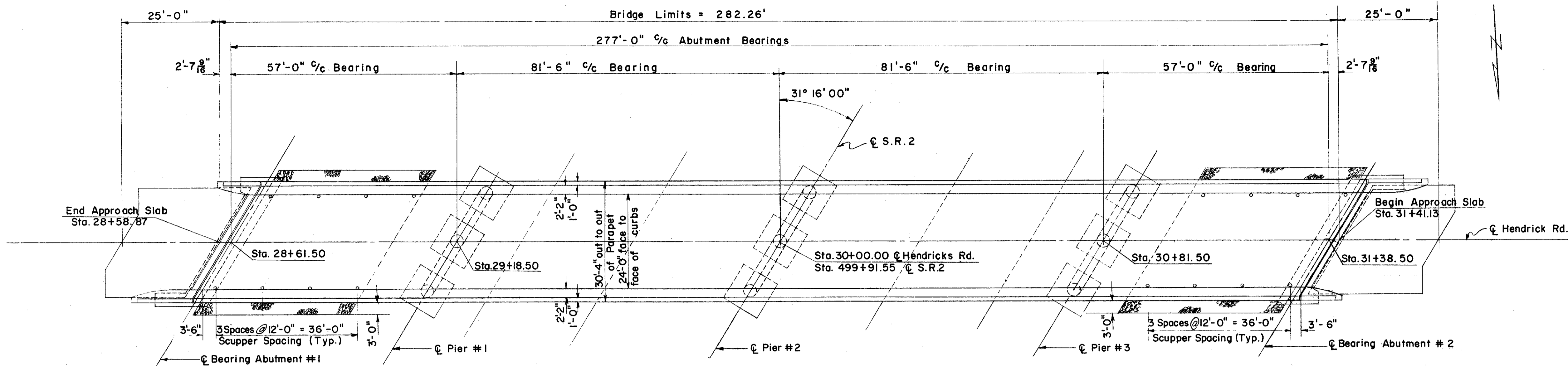
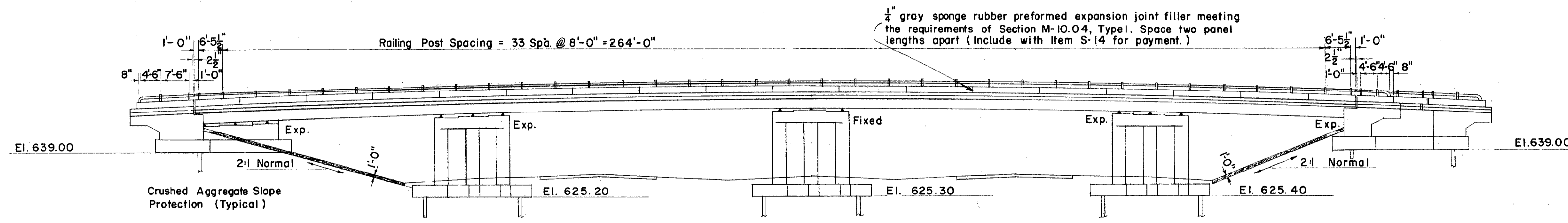


LAKE COUNTY
SEC. LAK-2-10.35



PLAN



ELEVATION

GENERAL NOTES

- DESIGN SPECIFICATION: 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 and to Supplemental Specification 5-10 dated 12-2-59.
- CRUSHED AGGREGATE SLOPE PROTECTION: (I-10.04), one foot thick, shall be provided as indicated on the General Plan.
- 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.
- POROUS BACKFILL shall extend upward to the approach slab. Excavation therefore, 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.
- EXCAVATION QUANTITIES includes the removal of fill material between the surface of the proposed embankment and the bottom of the abutments.
- EXCAVATION QUANTITIES for the piers includes the removal of fill material required for the construction of the piers.
- PROCEDURE: 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 200 feet back of the abutments, before excavation for abutments is made and the Piles driven at Piers 1 & 3.
- PILES shall be driven to a minimum bearing capacity of 35 tons per pile for the piers and abutments before excavation for abutments is made
- STEEL: See Proposal regarding A-373 Steel.
- MACHINE FINISH: The top of the bridge deck slab shall be machine finished in accordance with the Proposal "Machine Finishing of Bridge Deck Slabs."

ESTIMATED QUANTITIES

ITEM	TOTAL	UNIT	DESCRIPTION	SUPERSTR.	ABUTS.	PIERS	GENERAL
E-2	522	Cu. Yds.	Unclassified excavation		210	312	
S-1	259	Cu. Yds.	Class "C" concrete, superstructure	259			
S-1	75	Cu. Yds.	Class "C" concrete, pier caps and columns			75	
S-1	83	Cu. Yds.	Class "E" concrete, abutments above footing		83		
S-1	167	Cu. Yds.	Class "E" concrete, footing		59	108	
S-4	111,597	Lbs.	Reinforcing steel	66,401	11,800	33,396	
S-7	238,158	Lbs.	Structural steel	238,158			
S-8	238,158	Lbs.	Field painting of structural steel as per plan.	238,158			
S-14	607	Lin. Ft.	Railing (aluminum rail and supports, concrete parapets)	558	49		
S-16	Lump	Sum	First Test Pile				Lump
S-18	2640	Lin. Ft.	12" cast-in-place reinforced concrete piles.		1020	1620	
S-29	31	Cu. Yds.	Porous Backfill		31		
I-10	364	Sq. Yds.	Crushed Aggregate Slope Protection		364		

SEC. L-33

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-2-1140
S.R.2 UNDER HENDRICKS ROAD
LAKE COUNTY
STA. 499+91.55

DESIGNED	DRAWN	TRACED	CHECKED	REVISED DATE	REVISED
	J. H.				