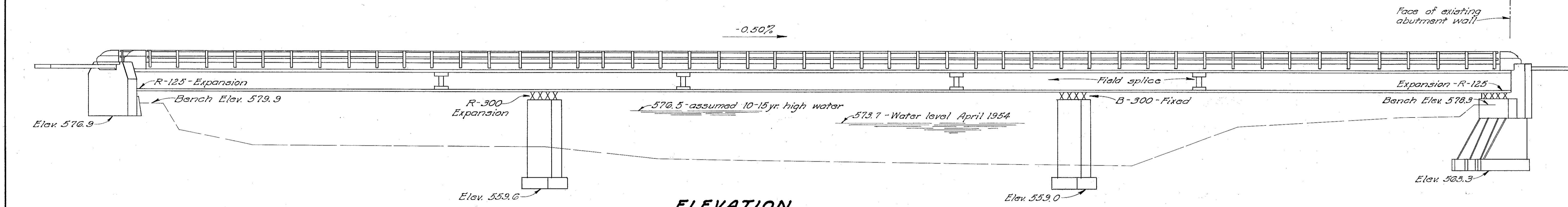


GENERAL PLAN



ELEVATION

ESTIMATED QUANTITIES							
Item	Total	Unit	Description	Superstr.	Abutments Rear F'wd.	Piers	Gener'l.
E-2	Lump	Sum	Cofferdams, cribs & sheeting				Lump
E-2	170	Cu. Yd.	Unclassified excavation		170		
E-2	250	Cu. Yd.	Shale excavation		160	5	85
S-1	278	Cu. Yd.	Class "C" concrete, superstructure	278			
S-1	130	Cu. Yd.	Class "E" concrete, abutments above footings		54	76	
S-1	105	Cu. Yd.	Class "E" concrete, pier walls			105	
S-1	50	Cu. Yd.	Class "E" concrete, footings			15	35
S-3	990	Sq. Yd.	Type "C" waterproofing	990			
S-4	89,312	Lbs.	Reinforcing steel	78,673	18,59	5,320	3,384
S-7	438,000	Lbs.	Structural steel	438,000			
S-8	438,000	Lbs.	Field painting of structural steel	438,000			
S-14	634	Lin. Ft.	Bridge railing	634			
S-24	Lump	Sum	Removal of existing structure				Lump
S-29	313	Lin. Ft.	Subdrainage for wearing surface course	313			
S-29	1	Cu. Yd.	Porous drain on embankment slope				1
T-35	68	Cu. Yd.	Asphaltic concrete surface course, Type "A" or "C" (70-80)	68			

GENERAL NOTES

REFERENCE shall be made to Standard Drawing RB-1-47, revised 7-27-49.

DESIGN SPECIFICATIONS: This structure conforms to the requirements of "Design Specifications for Highway Structures" of the State of Ohio, Department of Highways, dated 10-1-51, together with revisions thereof dated 7-15-52 and 4-1-54.

REMOVAL OF EXISTING STRUCTURE: When no longer needed to maintain traffic the existing superstructure shall be removed and become the property of the Contractor. Existing abutments shall remain in place. Existing pier shall be removed to Elev. 564.01. Suitable waste masonry may be placed as bank protection where shown on Site Plan.

EXCAVATION QUANTITY includes the removal of fill material between top of earth bench and bottom of abutment crossbeam.

FOOTINGS shall extend a minimum of 3' into solid shale or to the elevation shown, whichever is lower.

WELDING of structural steel shall be Class "A" except as otherwise shown. Class "B" welds shown thus: B

SURFACE FINISH OF CONCRETE: Railing end posts, curb faces, and fascias of deck shall receive a rubbed surface finish. All other exposed surfaces shall be governed by the provisions of Item 5-1.

A POROUS DRAIN, extending from face of abutment to Elev. 576.1 shall be provided at the left forward corner of bridge. The drain shall be 4 ft. wide and 1 ft. thick.

GRAVEL, if used as the coarse aggregate, shall be according to Sec. M-3.93 instead of M-3.91 for Class "C" concrete in the superstructure. Gravel meeting the requirements of Sec. M-3.93 also may be used for other concrete in this structure.

WATER MAIN: A water main will be installed on this bridge, during its construction, by the Village of Fairport. All labor, materials and incidentals therefor will be furnished by the Village. The Contractor shall cooperate with the Village in the installation of this water main.

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

**GENERAL PLAN & ELEVATION
NOTES & ESTIMATED QUANTITIES**

BRIDGE NO. LA-535-04
OVER GRAND RIVER

LAKE COUNTY STA. 37+28.72
40+45.28

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
R.G.	R.G.	J.D.J.	Kay	BFG	2-24-55	4-5-55 4-20-55