

GENERAL NOTES

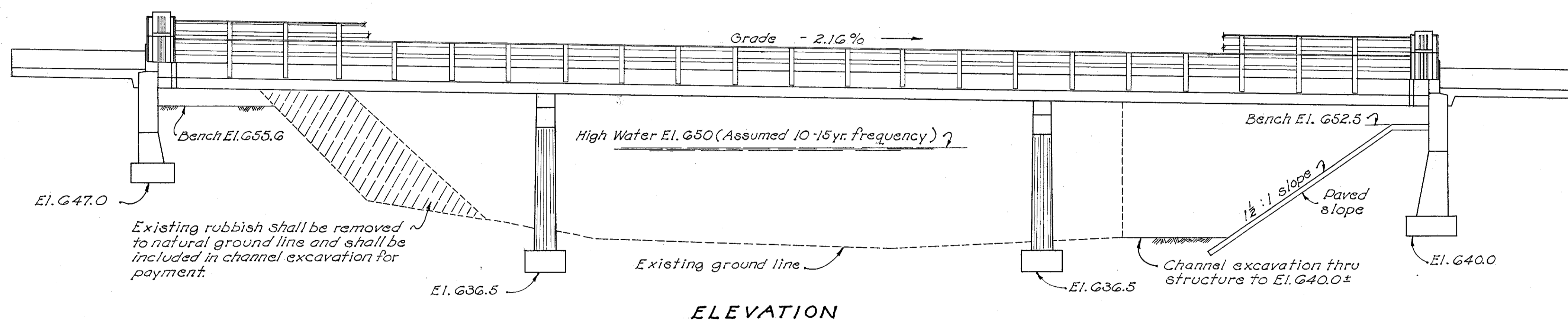
DESIGN SPECIFICATIONS: This structure conforms to the requirements of Design Specifications for Highway Structures of the State of Ohio, Department of Highways, dated 10-1-51, together with revisions thereof, dated 7-15-52 and 4-1-54.

REMOVAL OF EXISTING STRUCTURE: When no longer needed to maintain traffic the existing structure shall be removed and become the property of the Contractor. Rear Abutment shall be removed to bridge seat and slope dressed at 2:1. Dressing of slope included with removal of existing structure for payment. Forward abutment and retaining wall shall be removed to 6" below proposed ground lines and where necessary for new construction. Waste masonry may be disposed of as bank protection as directed by the Engineer.

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 shale, or to the elevation shown, whichever is lower.

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



ESTIMATED QUANTITIES									
Item	Total	Unit	Description	Superstr.	W. Abut.	E. Abut.	W. Pier	E. Pier	General
E-2	Lump	Sum	Cofferdams, cribs and sheeting						Lump
E-2	274	Cu. Yd.	Unclassified excavation		140	130	4		
E-2	27	Cu. Yd.	Shale excavation		1	1.5	12	12.5	
E-3	1805	Cu. Yd.	Channel excavation						1805
S-1	356	Cu. Yd.	Class "C" concrete, superstructure and pier caps	340			8	8	
S-1	47	Cu. Yd.	Class "C" concrete, abutments above footings		22	25			
S-1	38	Cu. Yd.	Class "E" concrete, pier walls below pier cap				20	18	
S-1	28	Cu. Yd.	Class "E" concrete, footings		5	7	8	8	
S-3	457	Sq. Yd.	Type "C" waterproofing	457					
S-4	77,977	Lbs.	Reinforcing steel	68,401	2,093	2,551	2,403	2,359	170
S-9	18	Sq. Ft.	1/4" Premolded expansion joint filler	15			1.5	1.5	
S-14	290.04	Lin. Ft.	Railing (steel with concrete end posts)	290.04					
S-24	Lump	Sum	Removal of existing structure						Lump
S-29	18	Each	Scuppers, 4" C.I. Pipe	18					
S-29	145	Lin. Ft.	Subdrainage for wearing surface course	145					
S-29	31	Cu. Yd.	Porous backfill		16	15			
I-10	418	Sq. Yd.	Type "A" riprap (concrete slab)						418
T-35	31	Cu. Yd.	Asphaltic concrete surface course, Type "A" or "C" (70-80)	31					

STATE OF OHIO
 DEPARTMENT OF HIGHWAYS
 BUREAU OF BRIDGES AND RAILROAD CROSSINGS

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

BRIDGE No. LA-615-02
 OVER EAST BRANCH CHAGRIN RIVER
 LAKE COUNTY
 SEC. LAK-615-0.06 STA. 4+27.50

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
J.V.G.	J.V.G.	CEM	NEY	BFG	9/23/54	