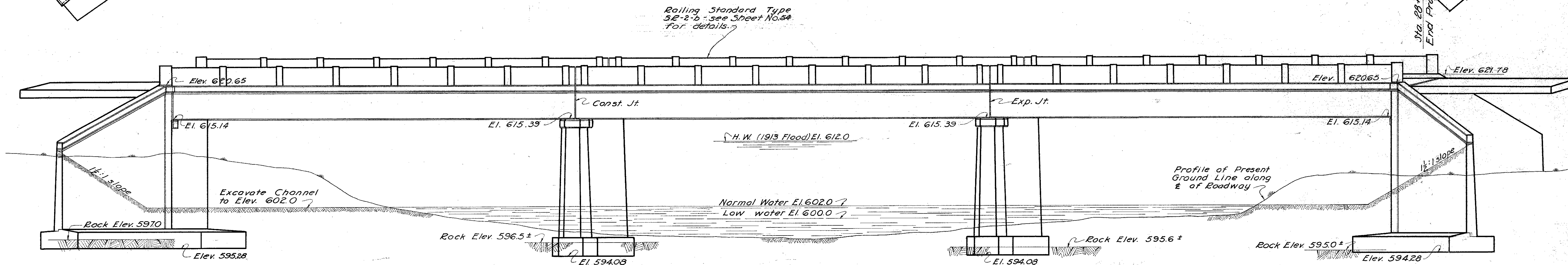


GENERAL PLAN



GENERAL ELEVATION

**SUPERSTRUCTURE**  
shall consist of three (3) Concrete Beam spans; Span 60' each; Roadway 25' wide with 2-2.5' sidewalks; 10° Left Forward Skew and super-elevated as shown on these plans. The curb line, railing, outside coping and outside face of outside beam shall be curved, otherwise the spans shall be built parallel to chords of the 4°00' curve. See the following sheets and Std. Drwg. B-60-2430 for details.

**CAMBER** of 3/8" overall, under full dead load, shall be provided on this bridge.

**CHAMFER** all exposed edges 3/4" unless otherwise shown.

**CONCRETE** in superstructure shall be 1-5/2 mix, in substructure 1-6/2 mix.

**CONSTRUCTION JOINTS** horizontally other than those shown will not be permitted. Vertical construction joints allowed only by special permission of the Engineer. All construction joints in Abutments above low water shall be sealed on back with Type "B" Waterproofing 36" wide.

**GENERAL NOTES**

**REFERENCE LINE** is tangent to the centerline of roadway at Sta 27+15.0

**RAILING** shall be Type SR-2b. Railing shall be made to fit curve but individual panels shall be made straight.

**APPROACH SLABS** shall conform to Std. for 23'-0" length. Top shall be finished smooth and flush with the wearing surface on the bridge. See Std. Dr. AS-31 for details. (Not a part of this contract)

**EXCAVATION** below Elev. 602.0 shall be called "Wet Excavation" except that designated as "Rock Excavation". All above Elev. 602.0 shall be called "Dry Excavation" except that designated as "Channel Excavation".

**FOOTINGS** shall penetrate solid rock as shown and footing concrete shall completely fill the rock excavation.

**ESTIMATED QUANTITIES PROPOSAL NO. 1**  
Sta. 26+18.94 to Sta. 28+11.08

SUPERSTRUCTURE		SUBSTRUCTURE	
Concrete 1-5/2 mix	520.0 cu.yds.	Channel Excavation	1275 cu.yds.
Reinforcing steel	114,770 lbs.	Dry excavation	275 cu.yds.
1/2" Prem. Exp. Jt. Filler	280 sq.ft.	Wet Excavation	492 cu.yds.
3/4" Prem. Exp. Jt. Filler	94.5 sq.ft.	Rock Excavation	120 cu.yds.
Wearing Surface (4" Conc.)	533.0 sq.yds.	Concrete 1-6/2 mix (Ftg's)	230 cu.yds.
3/8" Phos. Brz. Plates	306 lbs.	Concrete 1-6/2 mix (Walls)	431.5 cu.yds.
Cast Iron Scuppers	4 pcs.	Reinforcing Steel	46,660 lbs.
Railing (Type SR-2b)	383.5 lin.ft.	1/2" Prem. Exp. Jt. Filler	178 sq.ft.
Folded Copper Joint	10.5 lin.ft.	Folded Copper Joint	93.4 lin.ft.
		Type "B" Waterproofing (36" wide)	57 sq.yds.
		Cofferdams, sheeting & pumping	lump sum.

**IMPORTANT NOTE**  
Approach Slabs shown on these plans not a part of this Contract

STATE OF OHIO  
DEPARTMENT OF HIGHWAYS  
BUREAU OF BRIDGES

**GENERAL PLAN & ELEVATION**

**BRIDGE OVER CHAGRIN RIVER**

S.H. 563 LAKE COUNTY  
SECTION B STA. 27-15.0

DESIGNED	DRAWN	TRACED	CHECKED	REVISOR	DATE	REVISION
C.H.A.	C.H.A.	S.E.E.	J.M.H.	K.H.C.	3/11/51	