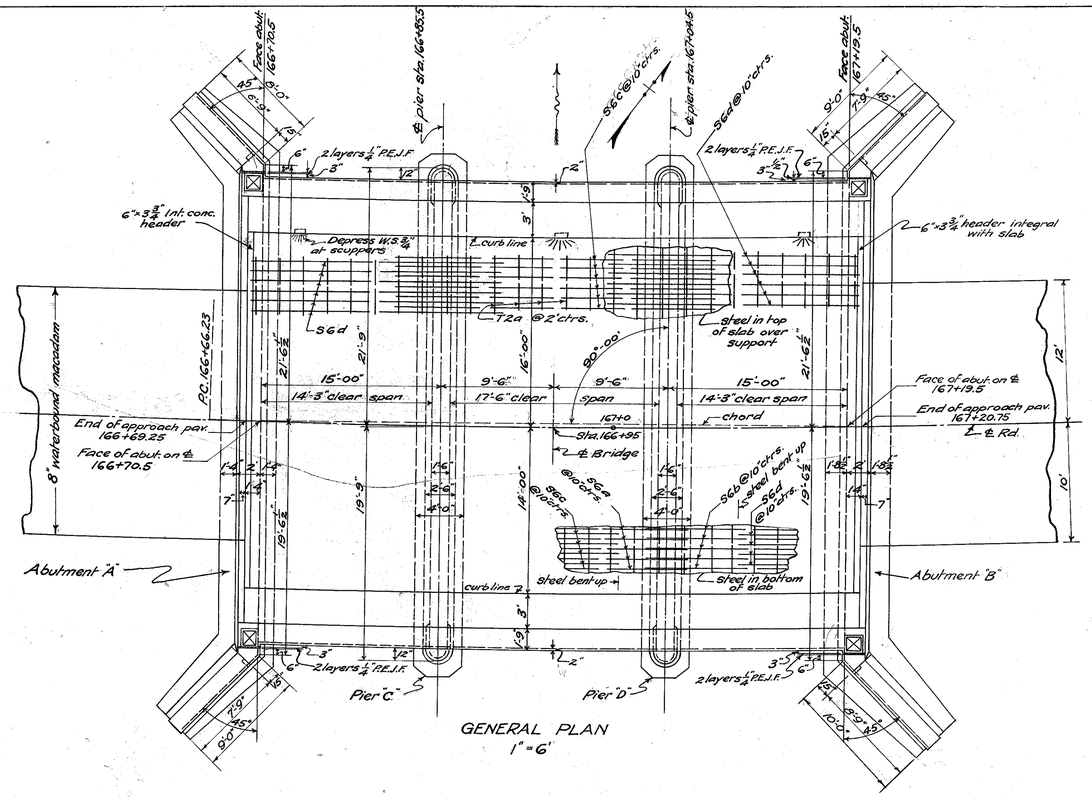
FED. AID PROJECT	STATE	FED. RD. DIST. Nº	FISCAL YEAR	18
	OHIO			26

S.H. Nº 520 Sec. B&C BRS.
LAKE COUNTY



GENERAL PLAN
1" = 6'

GENERAL NOTES

Superstructure shall be three continuous concrete slab spans. (spans 14'-3"-17'-6"-14'-3") 30 Foot roadway, two 3'-5" sidewalks and superelevated as shown on these plans. The curb line, railing and coping shall be curved in accordance with the 5°-00' curve on ℄. Bridge is on a +1.25% grade.

Channel excavation: Excavate channel to El. 577.5 between abutments within the limits of the highway

Camber: There will be no camber, but care shall be taken to prevent sag, Curbs to be built to elevations shown at abutments and piers.
Chamfer all exposed edges ¾" unless otherwise shown

Concrete Proportions: Concrete in slab, curb & railing shall be 1:5½ mix and in walls and Footings 1:6½ mix.

Reinforcing Steel and Dowels in Footing shall be accurately placed and secured before concrete is deposited

All Debris, silt, laitance, etc. shall be removed from top of Footings before wall concrete is deposited.

No Horizontal Construction Joints other than those shown will be permitted.

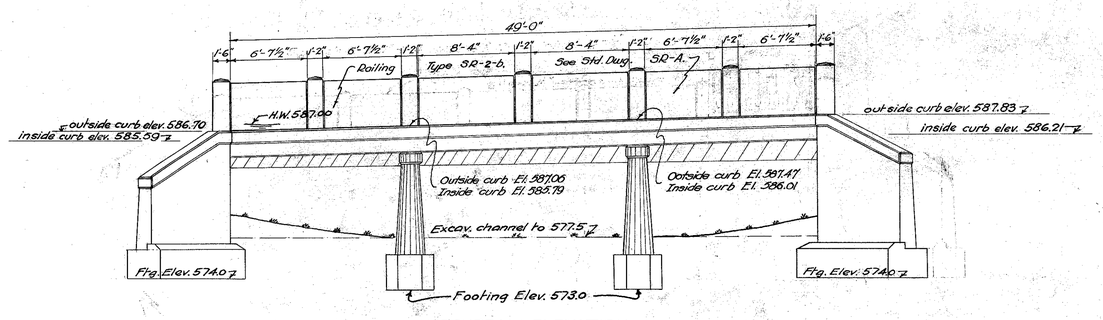
Vertical Construction Joints in Abutments allowed only by special permission of the Engineer.

All Construction Joints in Abutments shall be sealed on back with type "B" waterproofing 36" wide. Bridge is designed for H-15 Loading.

Old abutments shall be removed as channel & structural excavation and disposed of as directed by the Engineer.

Temporary detour bridge and approaches to be according to Item I-14 of the Construction Specifications. Bridge roadway width not less than 20 ft. Floor elevation not lower than Elev. 584.0. Width of approaches, 24 ft., out to out, with a surfaced width of 21 ft.

Existing bridge may be used in connection with the foregoing if it is made to conform with the above requirements (except the roadway may be 16 ft. on bridge) and on condition that the road be closed to traffic for not more than 12 hours while the moving is done, in case of which, the division deputy director shall be advised at least two days in advance.



GENERAL ELEVATION
1" = 6'

ESTIMATED QUANTITIES

STA. 166+69.25 TO STA. 167+20.75

SUPERSTRUCTURE		SUBSTRUCTURE	
Concrete 1:5½ mix	105 Cu. Yds.	Excavation (earth)	260 Cu. Yds.
Reinforcing Steel	14,637 Lbs.	Concrete 1:6½ (Ftgs.)	97.5 Cu. Yds.
¼" Prem. Exp. Jt. Filler	34 Sq. Ft.	Concrete 1:6½ (walls)	110 Cu. Yds.
Reinf. Conc. Railing (SR-2-b)	104 Lin. Ft.	Reinforcing Steel	5919 Lbs.
Wearing Surface (3" brick - ¾" gran. slag cushion - asphalt Filler)	168 Sq. Yds.	Type "B" Waterproofing	13.25 Sq. Yds
Cast Iron Scupper	3 Pcs.	Cofferdams, Sheeting & Pumping	Lump Sum
		Removal of existing bridge	Lump Sum
		Temporary Bridge + Approaches	Lump Sum
		Channel Excavation	80 Cu. Yds.
		12"-24 oz. copper strip (contr. jt.)	39.7 Lin. Ft.

BR. No. LA-283-46

GENERAL PLAN & ELEVATION
GENERAL NOTES ~ ESTIMATED QUAN.
BRIDGE OVER CHAGRIN RIVER OVERFLOW CHANNEL

S.H. 520 Lake County
Sec. B.&C. BRIDGES. Sta. 166+95

Designed	Drawn	Traced	Checked	Reviewed	Date	Revised
H.H.C.	H.H.C.	H.H.C.	WTA	WTA		
				R.H.O.	12-31-31	