

MICROFIL
DEC 5 1958

GENERAL NOTES

Reference shall be made to Standard Drawing AS-1-54 dated 12-1-54 and to Supplemental Specification S-114 Aluminum for Bridge Railing, dated 8-1-57, and to Standard Drawing AR-1-57, revised 3-1-58.

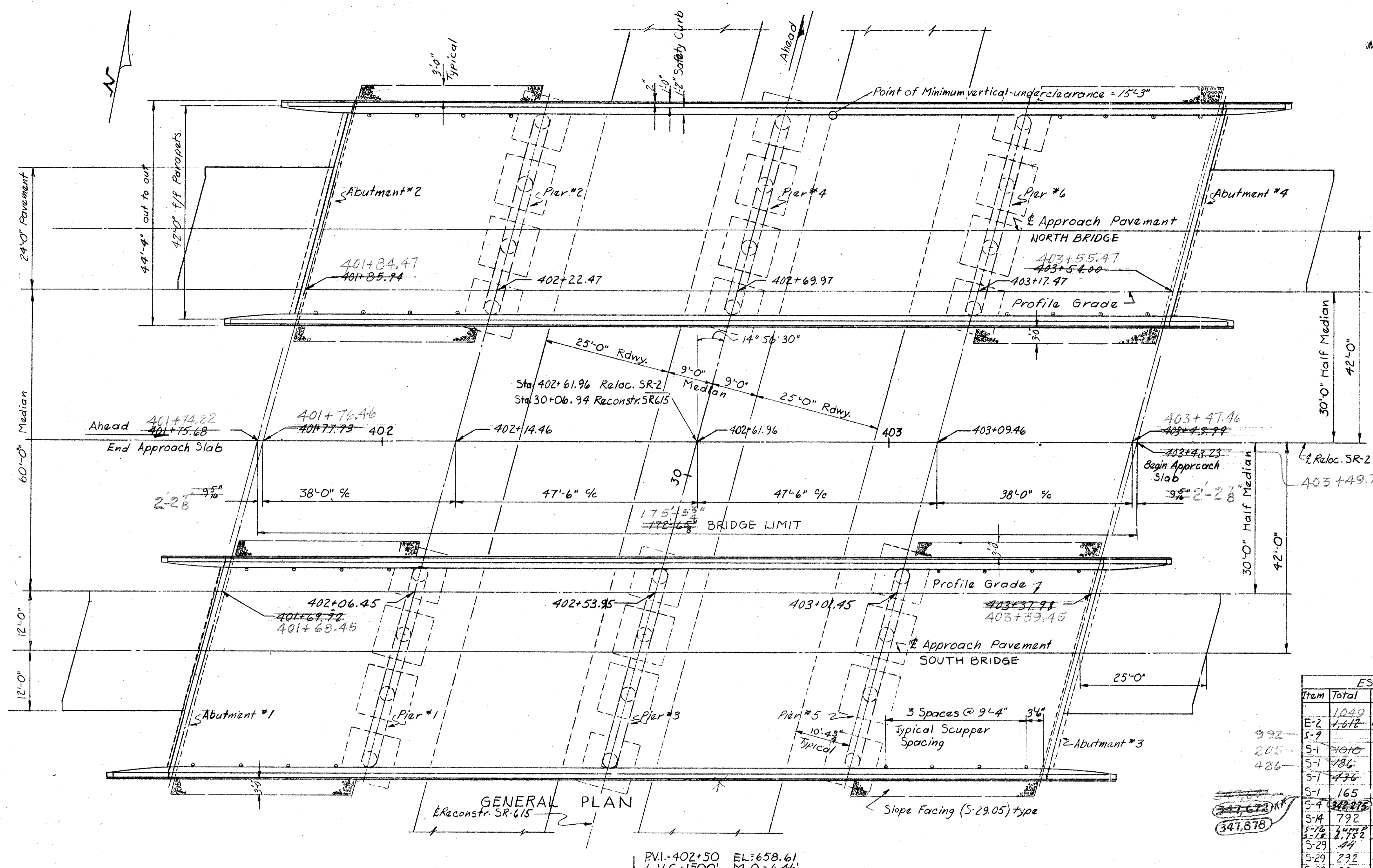
Design Specification: This structure conforms to the requirements of "Design Specifications For Highway Structures" of the State of Ohio, Department of Highways, dated 9-1-57, together with revisions thereof dated 2-21-58.

Piles shall be driven to a minimum bearing capacity of 30 tons per pile for all piers.

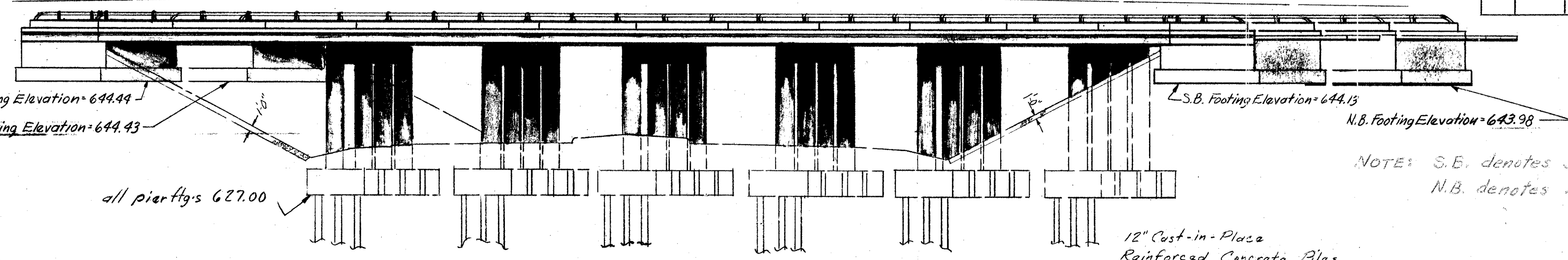
Procedure: The embankment shall be placed and compacted up to the finished spill-thru slope and to the level of the subgrade for a distance of 200 feet back of the abutments, after which piling for the pier foundations shall be driven. All piling for the pier foundations shall be driven before any of the piers are extended above the tops of the footings. A minimum of 30 days shall elapse between completion of the embankments and starting abutment construction. Slope Facing (S-29.05) type, shall be 1'-0" thick and be provided as indicated on the General Plan.

Porous Backfill, 2' thick, full length of abutment and wings shall extend up to the underside of the approach slab or to the finished ground surface. Excavation therefor, 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 QUANTITY: includes the removal of fill material between surface of proposed embankment and bottom of abutment. Backfill behind the abutments shall be made with material meeting the requirements of Sec. I-22 and shall be compacted in accordance with the requirements for embankment compaction. Backfill to be paid for under E-2, Unclassified excavation.



ESTIMATED QUANTITIES FOR NORTH AND SOUTH BRIDGES							
Item	Total	Unit	Description	Super.	Abut.	Piers	Gen.
E-2	1049	Cu. Yd.	Unclassified Excavation		345		704
S-9	4072	Lump	Structural Expansion Joint, Incl. Brstf-Joint Filler		348		
S-1	7010	Cu. Yd.	Concrete Class "C", Superstructure	2882			
S-1	786	Cu. Yd.	Concrete Class "C", Pier Caps & Columns			205	186
S-1	776	Cu. Yd.	Concrete Class "E", Footings		155		311
S-1	165	Cu. Yd.	Concrete Class "E", Abutments above footings		165		
S-4	342,275	Lb.	Reinforcing Steel	252,508	66,445	72,920	17,084
S-4	792	Lin. Ft.	Railing, Aluminum Rail, Supports & Conc. Parapet	690	102		26,878
S-16	Lump		3" x 3" x 33' Pile				
S-16	4,752	Lin. Ft.	12" Cast-in-place Reinf. conc. Piling				Lump
S-29	44	Cu. Yd.	Porous Backfill		44		4,752
S-29	292	Cu. Yd.	Slope Facing (S-29.05 type)			292	
S-29	32	Each	Scuppers, 4" dia. Wrought Iron Pipe	32			



Revised 1-21-59
2-16-59

PREPARED BY
CAPITOL ENGINEERING ASSOCIATES, DILLSBURG, PA.
FOR
STATE OF OHIO
DEPARTMENT OF HIGHWAYS
DIVISION OF DESIGN AND CONSTRUCTION
BUREAU OF BRIDGES

GENERAL PLAN & ELEVATION
GEN. NOTES & ESTIMATED QUANTITIES
BRIDGE NO. LAK-2-1006
RELOC. SR.2 OVER S.R. 615
LAKE COUNTY
STA. 402+61.96

DESIGNED	DRAWN	TRACED	CHECKED	REVISED DATE	REVISED
	DRT			4-17-59	2-16-59 4-1-59

NOTE: S.B. denotes South Bridge
N.B. denotes North Bridge

12" Cast-in-Place
Reinforced Concrete Piles
Estimated Ave. Pile Length 22'-0"