

MICROFILMED
MAR 8 0 1964

FED. RD. DIVISION	STATE	PROJECT	246 313
2	OHIO		

LAKE COUNTY
LAK-2-16.49

GENERAL NOTES

REFERENCE shall be made to Standard Drawing RB-1-55, revised 2-2-59, and to Supplemental Specifications S-103, revised 2-16-55, S-107, revised 2-16-55 and S-307 dated 8-23-60.

DESIGN SPECIFICATIONS: This structure conforms to the design requirements of "Specification for Steel Railway Bridges," (current) of the A.R.E.A. & "Ohio Highway Specifications for Structures" dated 9-1-57, with current revisions, for Concrete. DESIGN LOADING: Cooper E 72

BASIC UNIT WORKING STRESSES:
Concrete, Class C: 1,333 p.s.i.
Concrete, Class E: 1,133 p.s.i.
Structural Steel, ASTM A36: 20,000 p.s.i.
Reinforcing Steel, ASTM A15: 20,000 p.s.i.

CONSTRUCTION AND MATERIALS shall conform to the requirements of "Construction and Material Specifications" of the State of Ohio, Department of Highways, dated 1-1-63, together with current revisions thereof.

ALL STRUCTURAL STEEL: ASTM A36

FOUNDATION BEARING PRESSURE: Abutment and wingwall footings are designed for a maximum bearing pressure of 3 tons per sq. ft., and pier footings for 3½ tons per sq. ft.

WELDING of structural steel shall be Class "A".

MEMBRANE WATERPROOFING: Type a & d waterproofing shall consist of four layers of asphalt treated felt, three layers of asphalt treated cotton fabric, and eight moppings of asphalt.

Type d waterproofing shall consist of four layers of asphalt treated felt, one layer of asphalt treated cotton fabric, and six moppings of asphalt.

ASPHALT ROOFING FELT shall be asphalt-saturated and coated asbestos felt, 50 lb. type conforming with ASTM Designation D 655.

WELDED WIRE FABRIC shall be lapped a minimum of 6" and shall be continuous through joint between mastic and mortar protection.

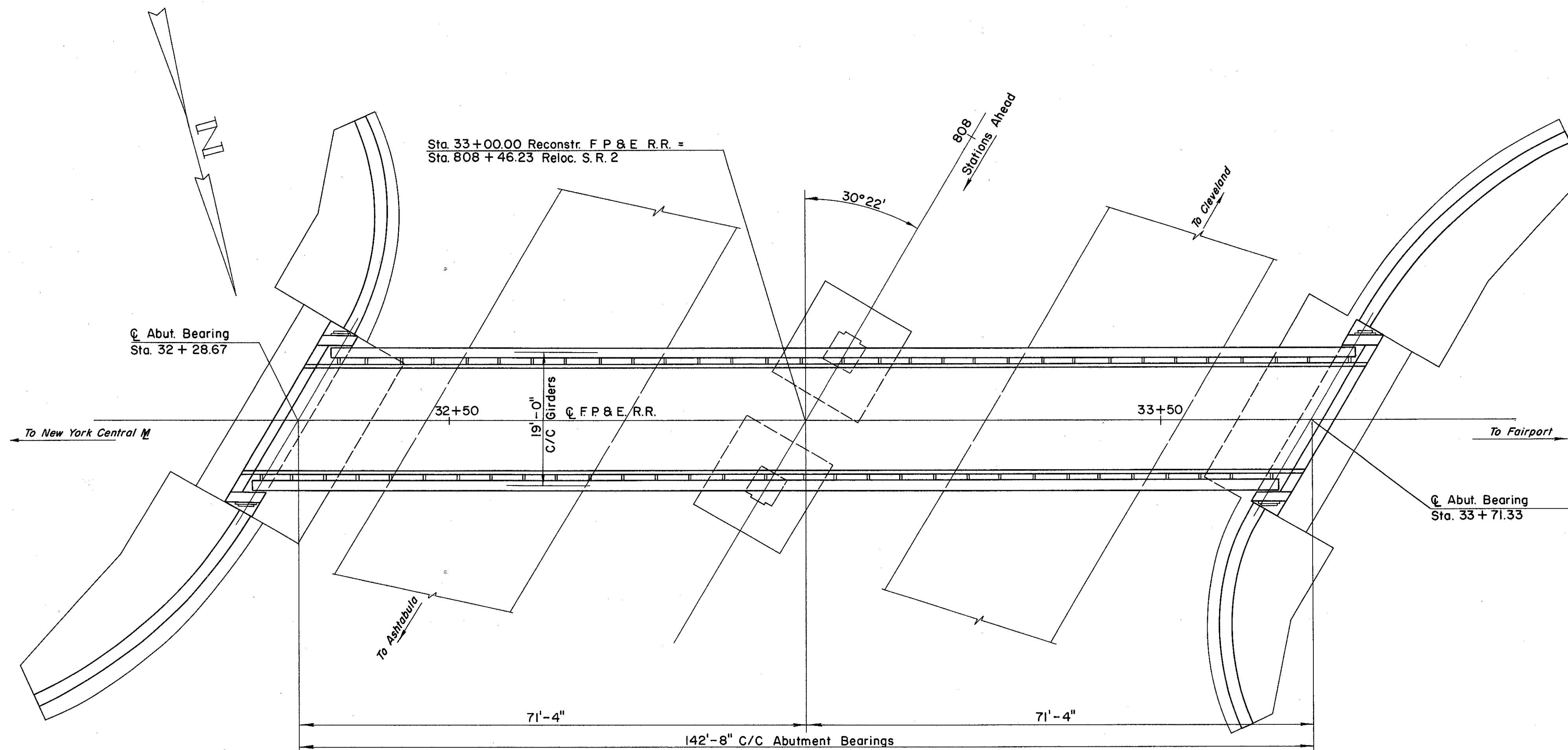
ASPHALT CONCRETE DECK COVER - See Sheet 254.

FIELD CONNECTIONS shall be made with 7/8" high strength bolts unless otherwise noted. Bolt heads shall be positioned outward in girder webs and downward in girder flanges.

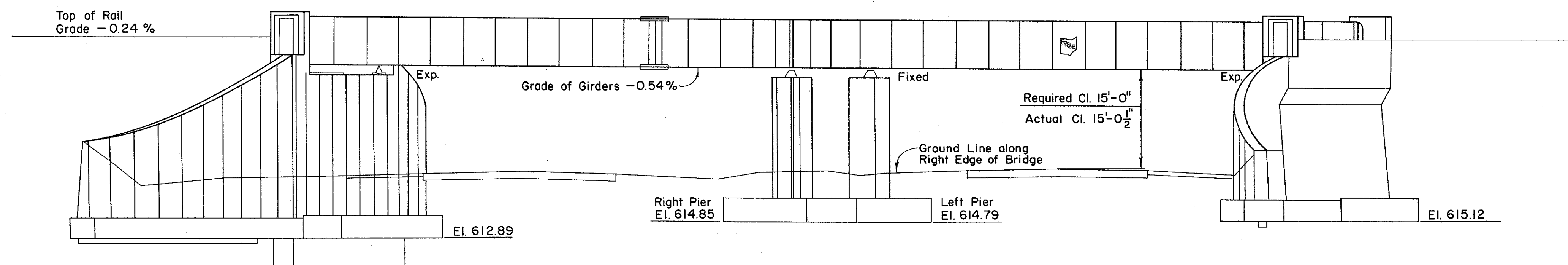
REINFORCING STEEL: All reinforcing steel shall be deformed bars and shall meet the requirements of Sec. M-7.1 intermediate grade billet steel.

ALIGNING RAILROAD TRACKS: After the Contractor has completed all excavation and backfill adjacent to the railroad tracks in compliance with Sec. E-2.04 and E-2.08 of the Construction and Material Specification, subject to the Supervision of the Railroad Company, nothing in Sec. E-2.04, E-2.08 or G-8.07 of the Specifications shall be construed to hold the Contractor liable for aligning and resurfacing the railroad tracks.

HIGH STRENGTH STEEL BOLTS: See note, sheet R.R.7.



PLAN



ELEVATION

PREPARED BY CAPITOL ENGINEERING ASSOCIATES, DILLSBURG, PA. FOR						
STATE OF OHIO DEPARTMENT OF HIGHWAYS DIVISION OF DESIGN AND CONSTRUCTION BUREAU OF BRIDGES						
GENERAL PLAN BRIDGE NO. LAK-2-1721 RELOC. S.R.2 UNDER F.P.&E. R.R. LAKE COUNTY STA. 808 + 46.23						
DESIGNED B.O.L.	DRAWN B.O.L.	TRACED R.E.B.	CHECKED L.L.D.	REVISED	DATE	REVISED