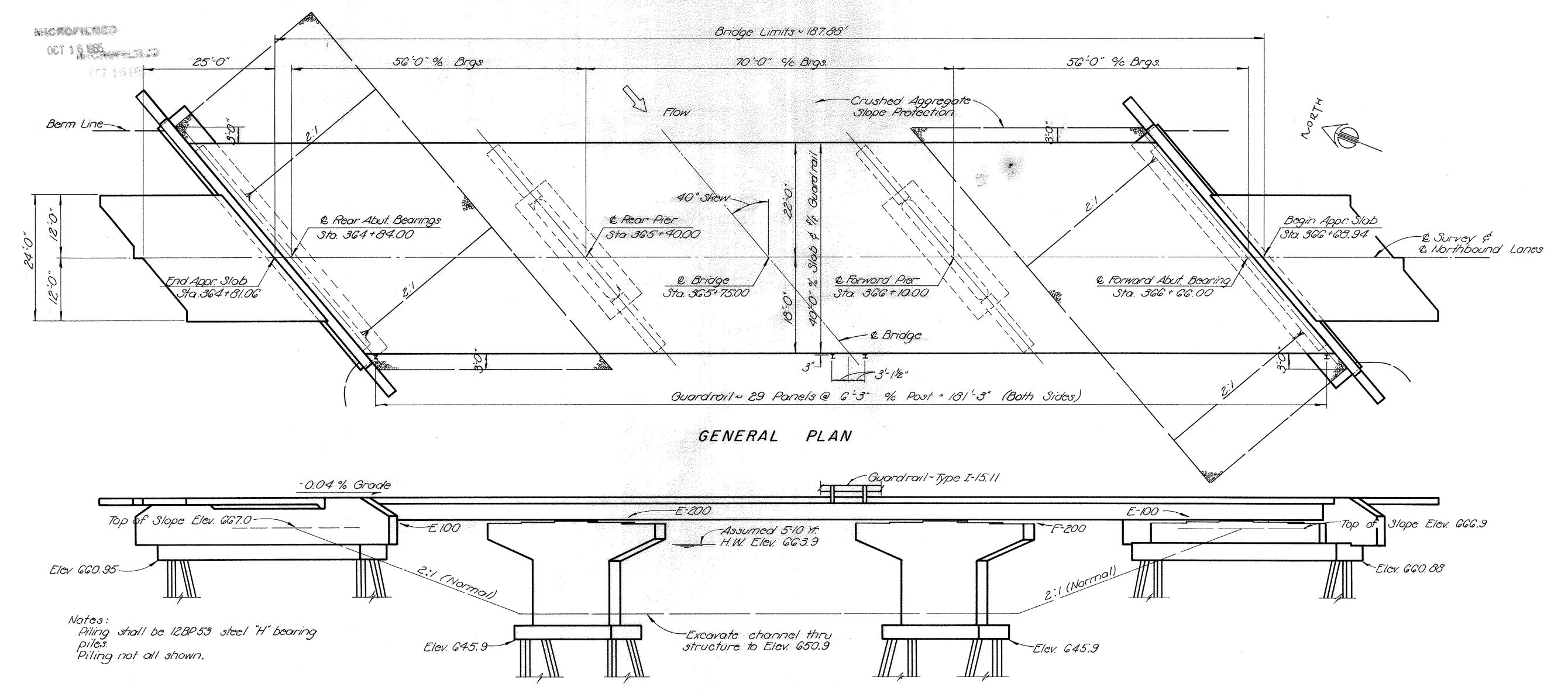


ATH-33-5.48



ELEVATION

GENERAL NOTES

REFERENCE shall be made to Standard Drawings SD-1-63 Sheets 1 & 2, dated 11-12-63 CSB-1-63 sheets 1 & 4 dated 12-16-63; and FSB-1-62 revised 1-15-63 and to Supplemental Specifications 3-101 dated 7-12-62, and 3-307 dated 10-1-64.

DESIGN SPECIFICATIONS: 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 current revisions thereof.

DESIGN LOADING - CF 400 (57)

* /

Concrete Class C - basic unit stress 1,333 p.s.i.

Structural Steel - ASTM A36 - basic unit stress 20,000 p.s.i. (except piling) (ASTM A7 and A373 steel not permitted)
Reinforcing Steel - ASTM A-15, A-16, A-160, Deformed, Intermediate
or Hard Grade. Basic unit stress 20,000 p.s.i.

EXCAVATION QUANTITY includes the removal of fill material required for construction of the abutments.

PILES shall be driven with a hammer of not less than 11,000 ft lb per blow to firm contact with bedrock. If the length of penetration is approximately equal to the depth to rock according to the bridge foundation investigation report, the firm contact shall be considered as attained when the capacity according to the formula in Sec. S-18.05 is not less than the following value for a pile hammer of the indicated energy rating:

60 tons per pile using an 1/000 ft 1b hammer. 55 tons per pile using a 15000 ft 1b or greater hammer. above, the required formula capacity shall be determined by interpolation. The design lood is 45 tons per pile.

FIRST TEST PILE. Payment will be made for only one first test pile. It may be driven for either the Right or Left bridge.

MACHINE FINISH: At the Contractor's option, the concrete deck may be finished by the use of a finishing machine.

HIGH STRENGTH STEEL BOLTS: Under Sec. 8.7.10, High Strength Steel Bolts, Nuts and Washers, paragraph two (2), shall be completely revised and the last sentance of paragraph four (4), revised to read as follows:

"In the final assembly of the parts to be bolted, drift pins shall be placed in a sufficient number of holes (not less than 25 percent for field erection) to provide and maintain accurate alignment of holes and parts, and sufficient bolts shall be installed and brought to a snug tight condition to bring the parts to complete contact. Bolts shall then be installed in any remaning open holes and tightened to a snug tight fit, ofter which all bolts shall be tightened completely by calibrated wrenches or by the turn of nut method. Drift pins shall then be replaced with bolts, tightened in the same manner."

"Bolt lengths determined by the use of Table No.1 shall be adjusted to the next 14-inch length increment."

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
DIVISION OF DESIGN AND CONSTRUCTION
BUREAU OF BRIDGES

GENERAL PLAN & ELEVATION

AND NOTES

BRIDGE NO ATH-33-067818R

BRIDGE NO. ATH-33-0678L&R

OVER MONDAY CREEK

NORTHBOUND LANES

STA. 364 + 81.06
STA. 366 + 68.94

DESIGNED DRAWN TRACED CHECKED REVIEWED DATE REVISED

JEF J1K WCK BFG 6-1-64

