FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

325
394

LAK-2-0.00

GENERAL NOTES

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, and to revisions thereof dated 2-21-58.

PILES shall be driven (with a hammer of not less than 11,000 ft. lbs. per blow) to firm contact with shale. If the length of penetration is approximately equal to the depth to shale 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:
50 tons per pile using a 11,000 ft. lb. hammer
43 tons per pile using a 15,000 ft. lb. hammer
If the energy rating of the hammer is between the ratings as shown above, the required formula capacity shall be determined by interpolation. The design load is 35 tons per pile.

PIER FOOTINGS shall extend a minimum of 3" into solid shale or to the elevation shown, whichever is lower.

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

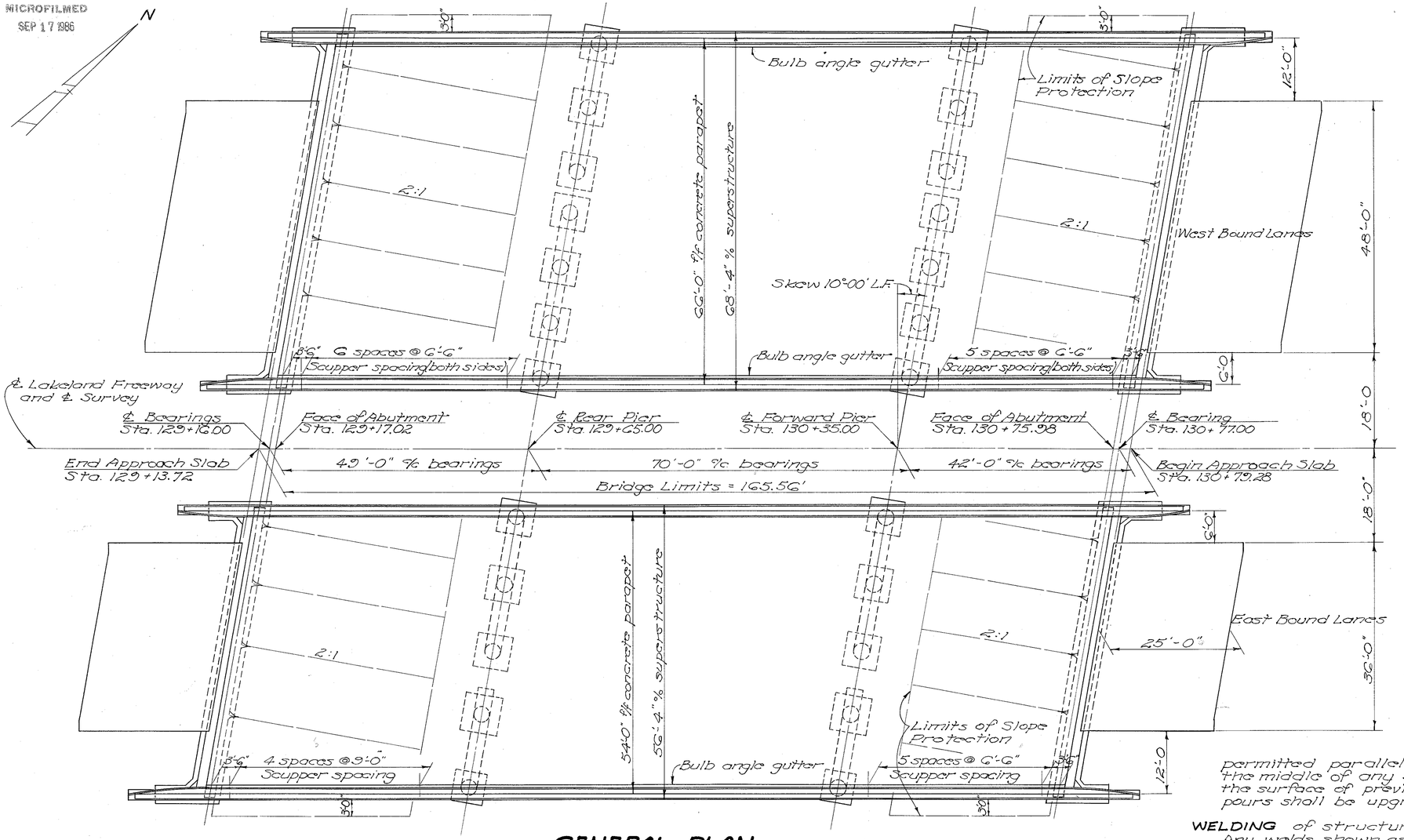
FOUNDATION BEARING PRESSURE: Pier footings are designed for a maximum bearing pressure of 5 tons per sq. ft.

PAINTING: After erection and after the shop coat has been cleaned and, where necessary, repainted in accordance with Sec. S-8.04, an additional coat of the same paint as used in the shop shall be applied over the outside face of the outside steel beams and all sides of bottom flange.

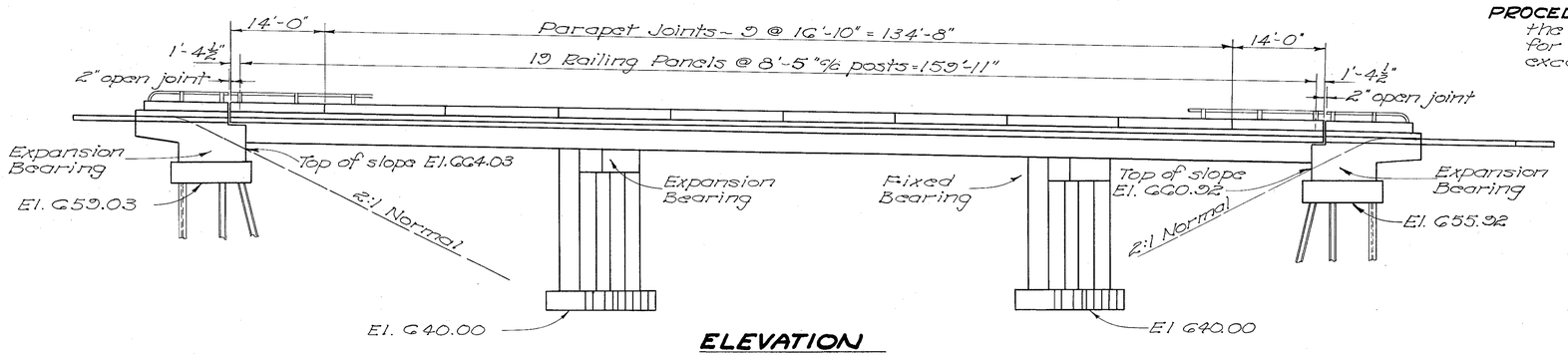
DECK PLACING PROCEDURE: In placing the deck concrete, construction joints will be permitted parallel to the transverse reinforcing steel and near the middle of any span. Because of the flow of curing water from the surface of previously-placed deck concrete, the sequence of pours shall be upgrade, starting at the low end.

WELDING of structural steel shall be Class "A", except as shown. Any welds shown as field welds, at the option of the Contractor, may be made in the shop. Class "B" welds are shown thus: B→.

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 excavation shall be made for the abutments and piers.



GENERAL PLAN



ELEVATION

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

GENERAL PLAN & ELEVATION & GENERAL NOTES
BRIDGE NO. LAK-2-0057 L & R
over RAMP
LAKE COUNTY STA. 129+13.72
130+79.28

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
E.B.L.	E.B.L.	R.E.M.	R.H.N.	B.P.G.	11-19-58	12-2-58 8-11-59