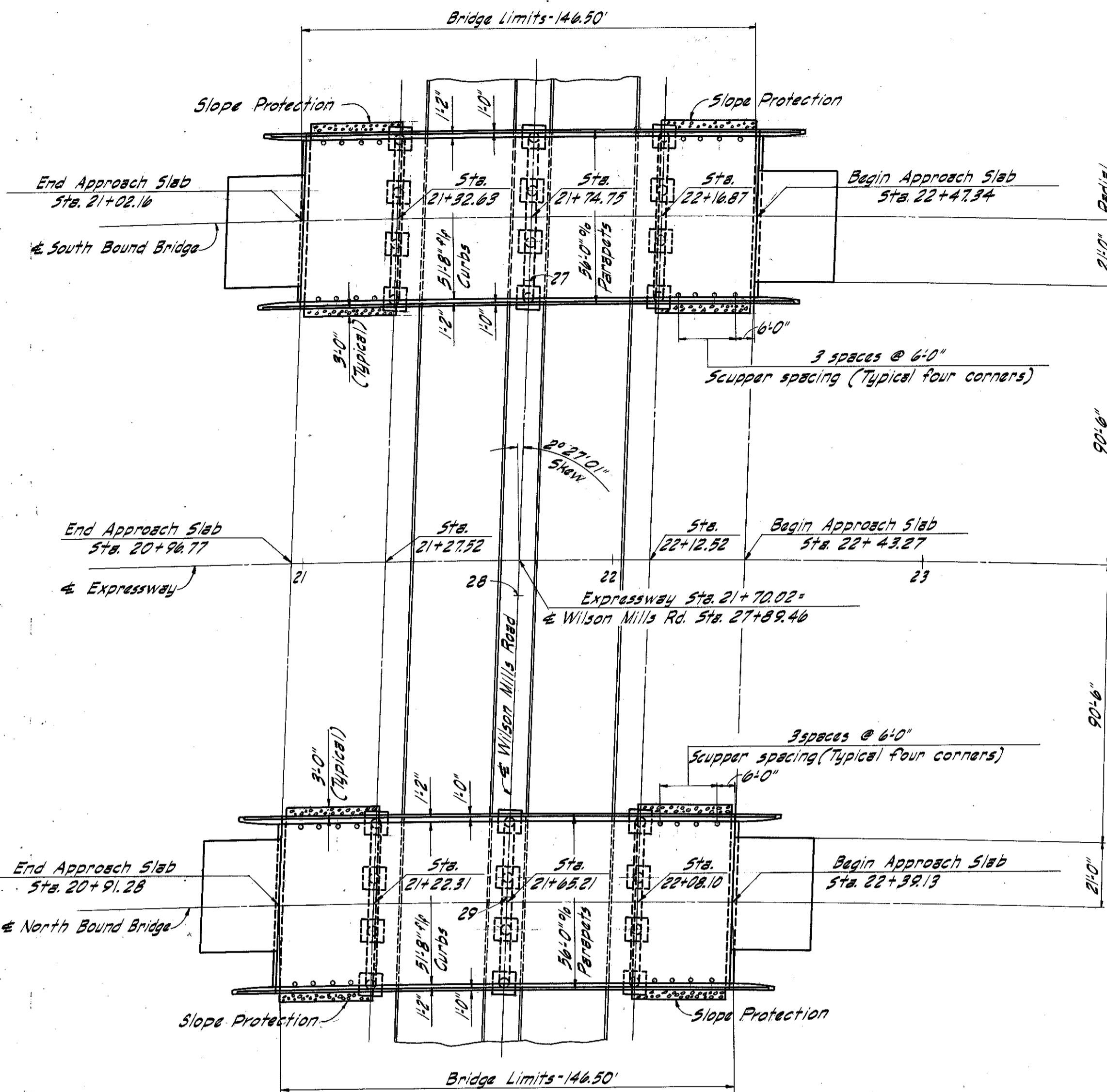


FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO	I-1102(6)	

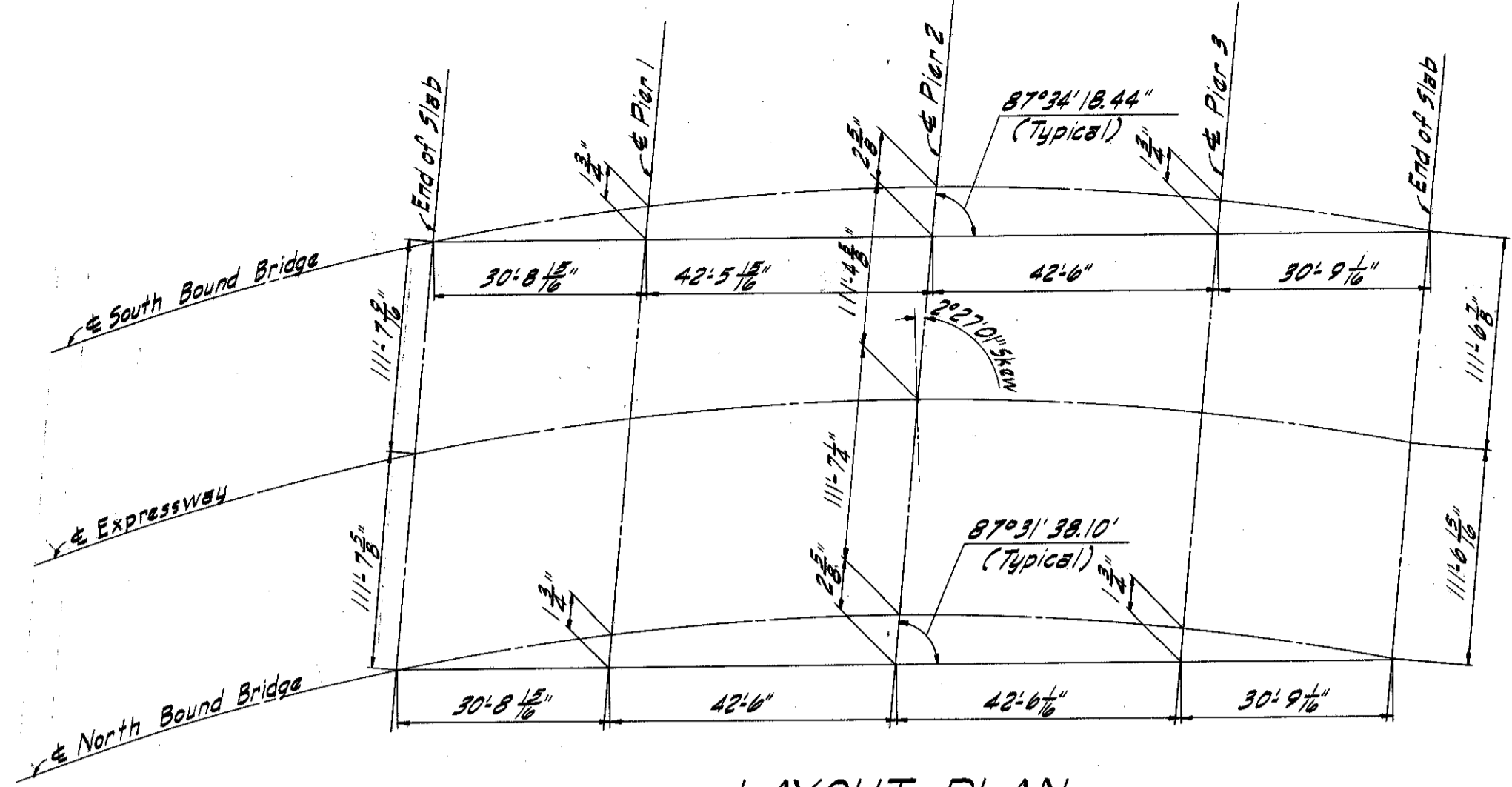
368  
458

MICROFILMED  
SEP 6 1965

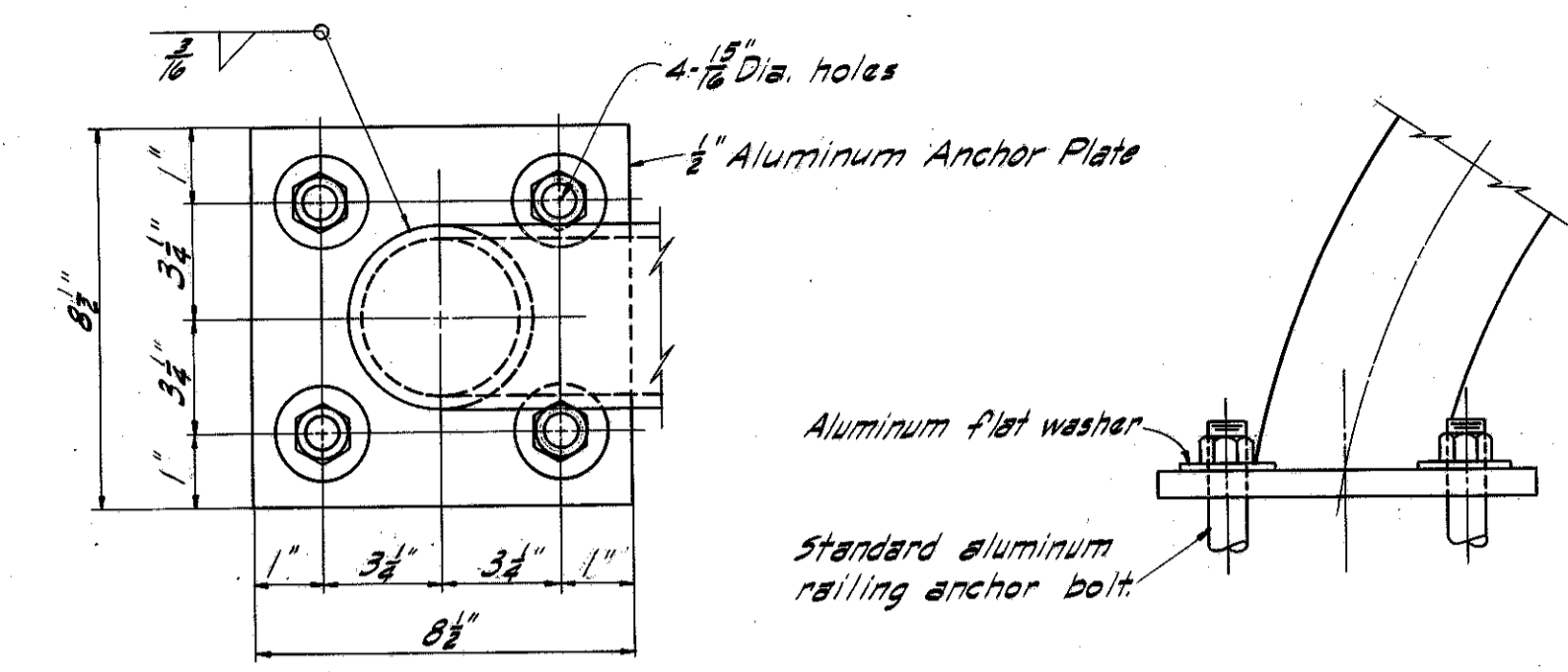
CUYAHOGA & LAKE COUNTIES  
CUY-I-15.91 LAK-I-0.00



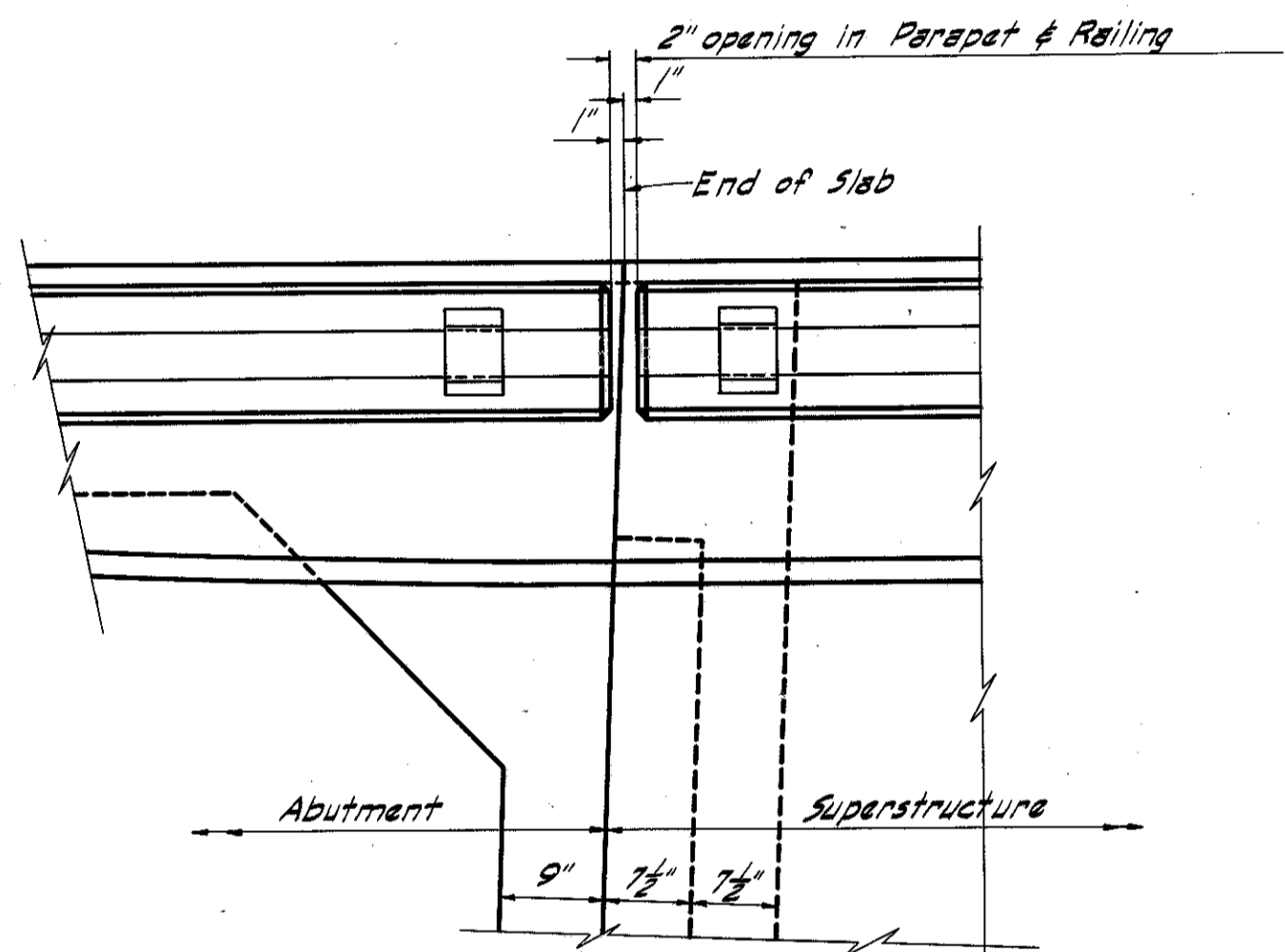
GENERAL PLAN



LAYOUT PLAN



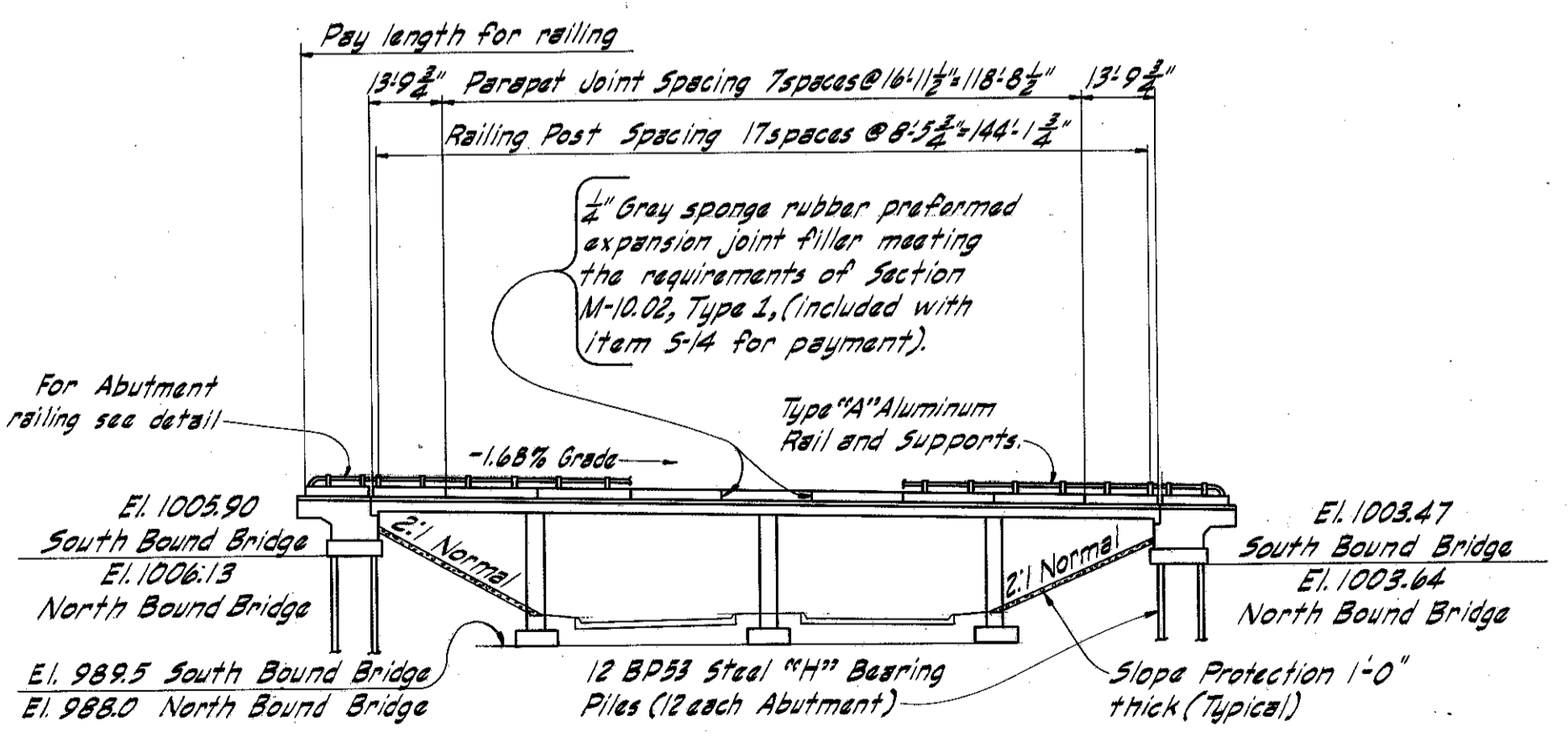
DETAIL OF RAILING ANCHOR PLATE AT END OF PARAPET



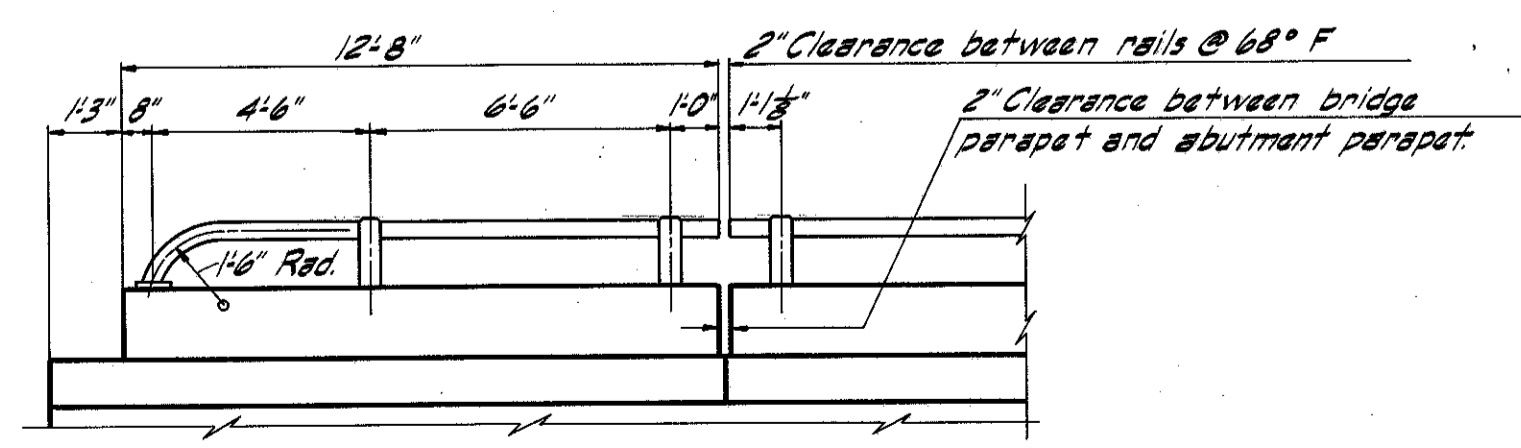
DETAIL OF CURB & PARAPET AT END OF SLAB

GENERAL NOTES

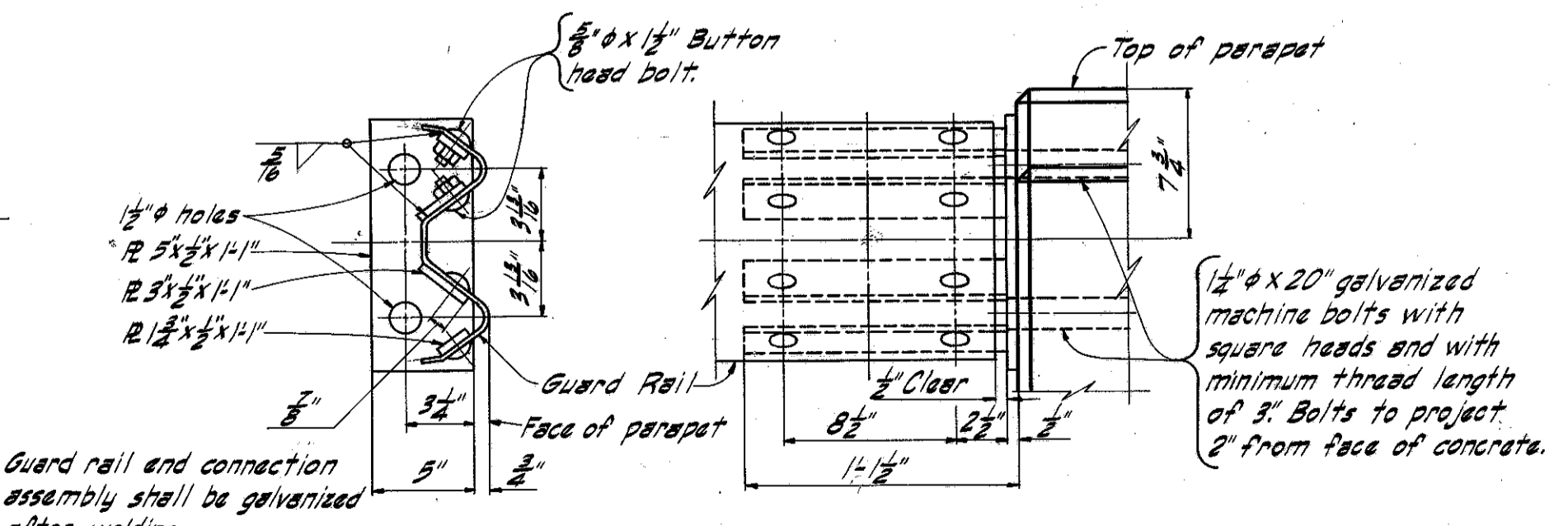
- Reference shall be made to Standard Drawings AR-1-57 revised 2-2-59.
- Design Specification: This structure conforms to the requirements of "Design Specification for Highway Structures of the State of Ohio, Department of Highways, dated 9-1-57.
- Loading: C.F. 2000(37). (Adequate for A.A.S.H.O. alternate loading.)
- Excavation quantity includes the removal of fill material between surface of proposed embankment and bottom of Abutment. Backfill behind abutment shall be made with material meeting the requirements of Sec. 5-22 and shall be compacted in accordance with requirements for embankment construction. Payment for backfill shall be included with unclassified excavation.
- Maintenance and Protection of Traffic: Two lanes of traffic with a minimum horizontal width of 26'-0" shall be maintained on Wilson Mills Road at all times. The Contractor shall safeguard the traveling public by providing platforms, nets or other suitable protection above the traveled lanes. A minimum vertical clearance of 12'-9" shall be provided at all times.
- Embankments shall be placed to subgrade elevation for a distance of approximately 200 feet beyond the bridge limits as early as practicable, in the construction procedure and before work is begun on Abutments.
- Foundation Bearing Pressure: Pier footings are designed for a maximum bearing pressure of 4 tons per sq. ft.
- Piles shall be driven with a hammer of not less than 11000 ft. lbs. per blow to firm contact with shale. If the length of penetration is approximately equal to the depth to shale according to bridge foundation investigation report, the firm contact shall be considered as attained when the capacity according to the formula in Sec. 5-18.05 is not less than the following value for a pile hammer of the indicated energy rating:  
36 tons per pile using a 11000 ft. lb. hammer.  
33 tons per pile using a 15000 ft. lb. hammer or greater.  
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 30 tons per pile for the abutment piles.
- Pier Footings shall extend a minimum of 3' into shale, or to the elevation shown, whichever is lower.
- MACHINE FINISH: The concrete bridge deck slab shall be finished as specified in the proposal note, "Machine Finishing of Bridge Deck Slab".
- STEEL: See proposal regarding A-373 steel.



ELEVATION



TYPICAL ABUTMENT RAILING DETAIL



GUARD RAIL DETAIL

(As seen from pavement side)

MICHAEL BAKER JR., CONSULTING ENGINEERS  
ROCHESTER, PENNSYLVANIA

GENERAL PLAN & ELEVATION  
BRIDGE NO. CUY-I-1631 N & S  
OVER WILSON MILLS ROAD

CUYAHOGA COUNTY STA. 20+96.97  
TO 22+43.27

Designed	Drawn	Traced	Checked	Reviewed-Date	Revised
W.R.B. J.V.W.	E.F.T.	E.F.T.	C.V.P.	H.G.H. 12-30-58	

58-B-217