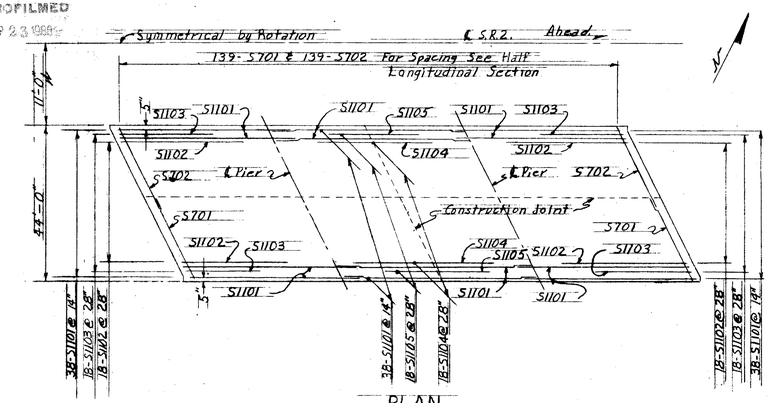
MICROFILMED
SEP 23 1999

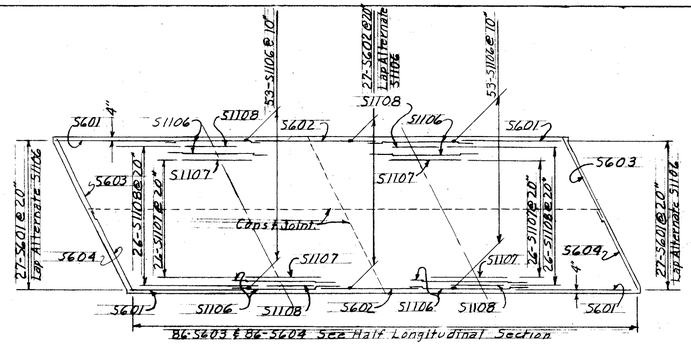
LAKE COUNTY
SEC. LAK-2-4.42

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

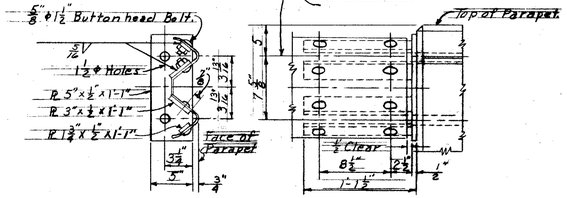
255
297



PLAN
SHOWING REINFORCING STEEL IN THE BOTTOM OF THE SLAB
SOUTH BRIDGE & NORTH BRIDGE IDENTICAL



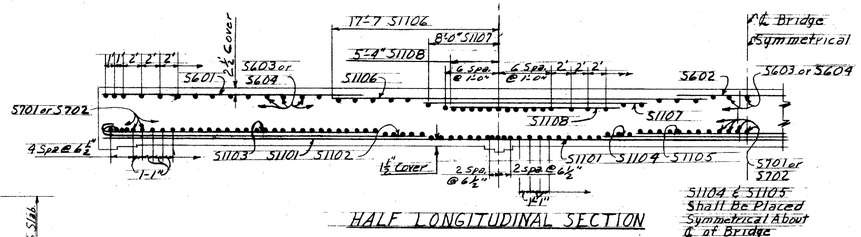
PLAN SHOWING REINFORCING STEEL IN THE TOP OF THE SLAB
SOUTH BRIDGE & NORTH BRIDGE IDENTICAL



NOTE: Guard Rail End Connection Assembly shall be galvanized after welding.

GUARD RAIL DETAIL
Include with Item 3-14 for payment.

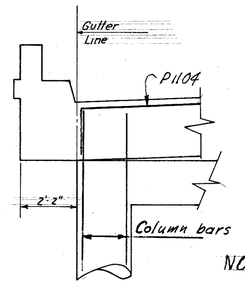
PLAN
SHOWING LONGITUDINAL REINFORCING STEEL IN THE CURB
(The S1109 Bars Shall Be Centered over Piers)



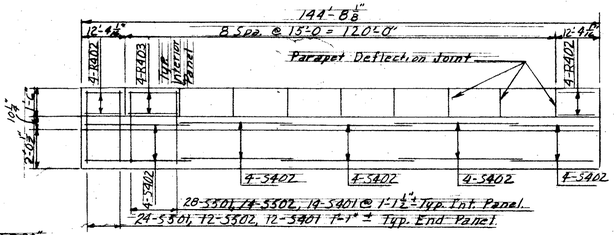
HALF LONGITUDINAL SECTION

℄ Bridge Symmetrical

S1104 & S1105 Shall Be Placed Symmetrical About ℄ of Bridge

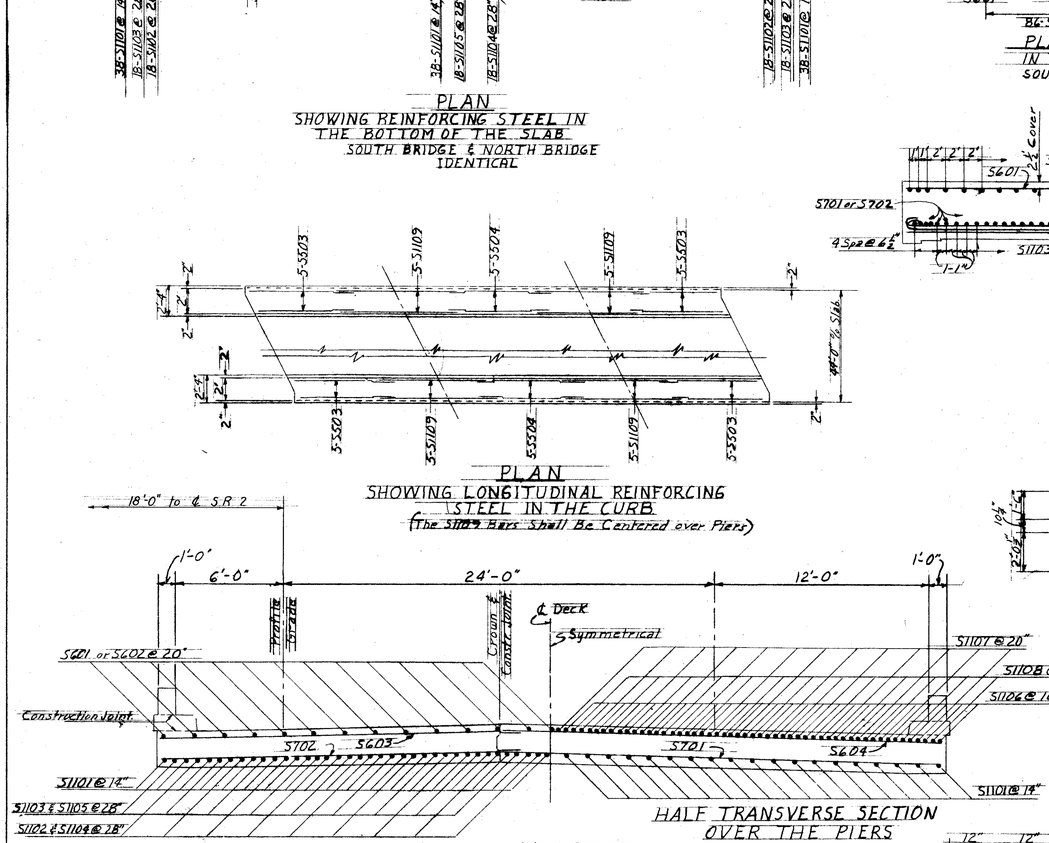


PIER LOCATION
Section is at right angle to deck



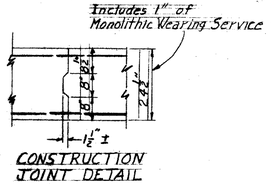
SOUTHERN ELEVATION
SLAB, CURB & PARAPET.

NOTES:
- All reinforcing steel shall have a min. of 2" of cover from all faces except as otherwise shown.
- All superstructure concrete shall be class "C".
- For dimensions not shown see Abut & Pier Details.
- All details, this sheet, are for South Bridge, North Bridge details are identical but opposite hand.
- For railing details see std. drawing AR-1-57 revised 2-2-59.
- Curbs shall be placed after the shoring, or falsework, under the slab has been released, to permit the slab to attain full dead load deflection.
- The amount of camber shown is for the slab before the falsework or shoring is released. To obtain this, proper allowance shall be made for the deflection of falsework or shoring members.



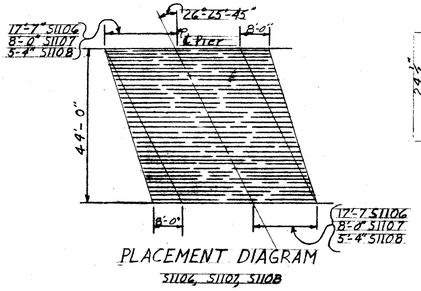
HALF TRANSVERSE SECTION AT MID SPAN

HALF TRANSVERSE SECTION OVER THE PIERS

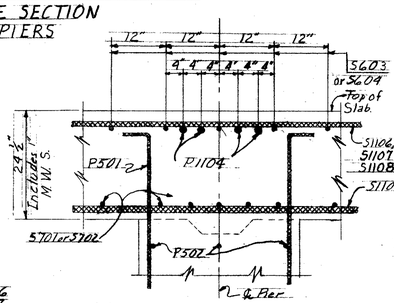


CONSTRUCTION JOINT DETAIL

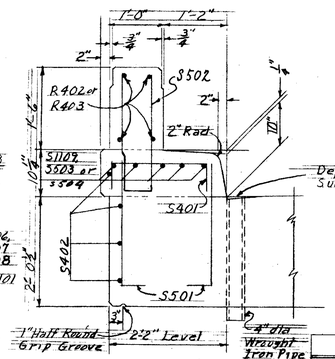
SOUTH BRIDGE
(LOOKING AHEAD)



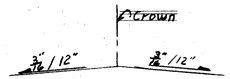
PLACEMENT DIAGRAM
S1106, S1107, S1108



LONGITUDINAL SECTION OVER PIERS (Typical)



SECTION THRU SLAB, CURB & PARAPET



BRIDGE ROADWAY CROWN

CAMBER

LOCATION	REAR	CENTER	FORWARD	SPAN
NORTH BRIDGE	11/16"	1"	11/16"	
SOUTH BRIDGE	11/16"	13/16"	11/16"	

The Above Values Include Convexity For V.C. and Allowance For Dead Load Deflection.

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

SUPERSTRUCTURE
BRIDGE NO. LAK-2-0488
S.R.2 OVER EXIST. ERIE ROAD
LAKE COUNTY
STA. 155+36.34

DESIGNED	DRAWN	TRACED	CHECKED	REVISED DATE	REVISED