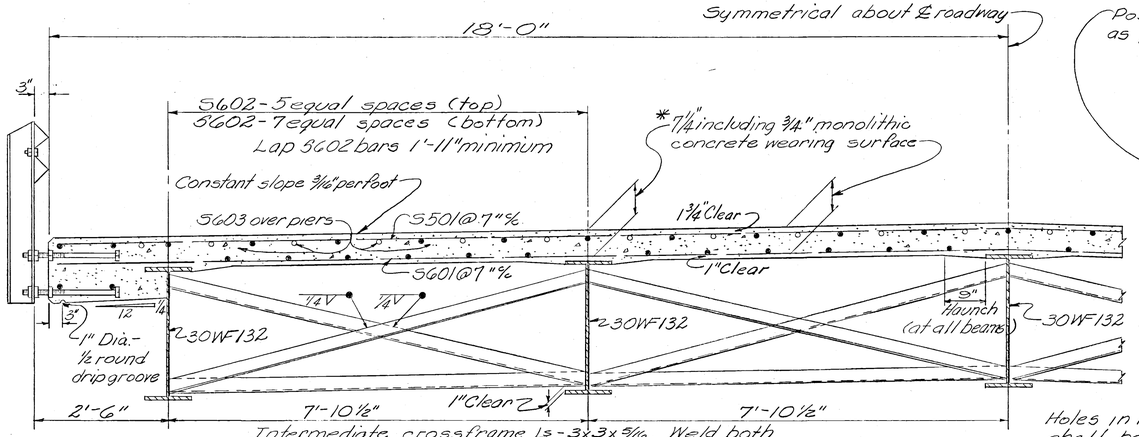
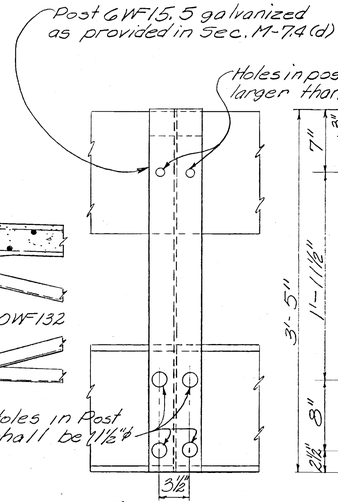


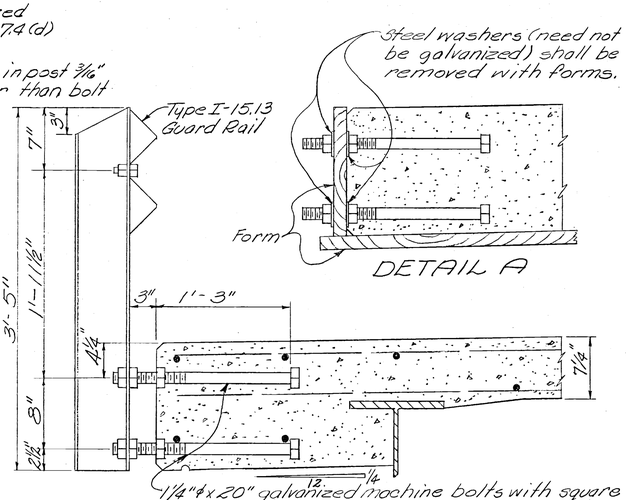
Intermediate crossframe L3 - 3x3x5/16. Weld both sides of vertical leg and top side of horizontal leg to beam with ¼" continuous fillet weld.

TRANSVERSE HALF SECTION

* This is the nominal dimension. The quantity of deck concrete to be paid for shall be based on this dimension, even though deviation from it may be necessary because the top flange of the beam may not have the exact camber or conformation required to place it parallel to the finished grade.



ELEVATION OF RAILING POST



1¼" ℄ x 20" galvanized machine bolts with square heads. Thread 8" length and provide three galvanized hexagonal nuts per bolt. Fasten bolts rigidly to forms before placing concrete. (See Detail A) Galvanizing of bolts shall be as provided in Sec. M-7.4 (d)

PART DECK SECTION

DETAIL A

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

52/62

MUSKINGUM COUNTY
MUS-156-2.85

NOTES

DECK CONSTRUCTION PROCEDURE: The slab may be placed in sections, between transverse construction joints which are parallel to transverse reinforcing steel and are located near the center of any span.

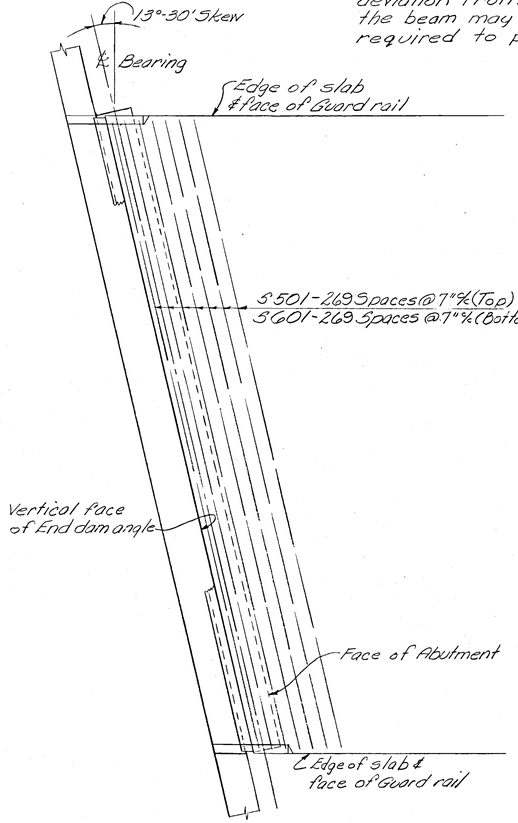
BEAM SPLICE WELDING PROCEDURE:
1. Raise the abutment ends of the beam 1/8".
2. Butt-weld the beam flanges and web, using the following sequence: make two passes on each flange, then two on the web, repeat, using one pass at each location, until welds are completed.
3. Weld the bottom and top moment plates.
4. Lower the beam ends to final position.

STEEL BEAMS shall be so fabricated that any curved beams will be placed convex flange up.

ADDITIONAL NOTES: For additional notes see Sheet No. 49

DEFLECTION

LOCATION	OUTSIDE BEAMS		INSIDE BEAMS	
	48'-0" Span	60'-0" Span	48'-0" Span	60'-0" Span
Deflection due to weight of steel	-.04"	-.05"	-.04"	-.05"
Deflection due to remaining dead load	-.20'	-.27"	-.18"	-.25"
Sum of deflections	-.24"	-.32"	-.22"	-.30"



SLAB REINFORCING PLAN

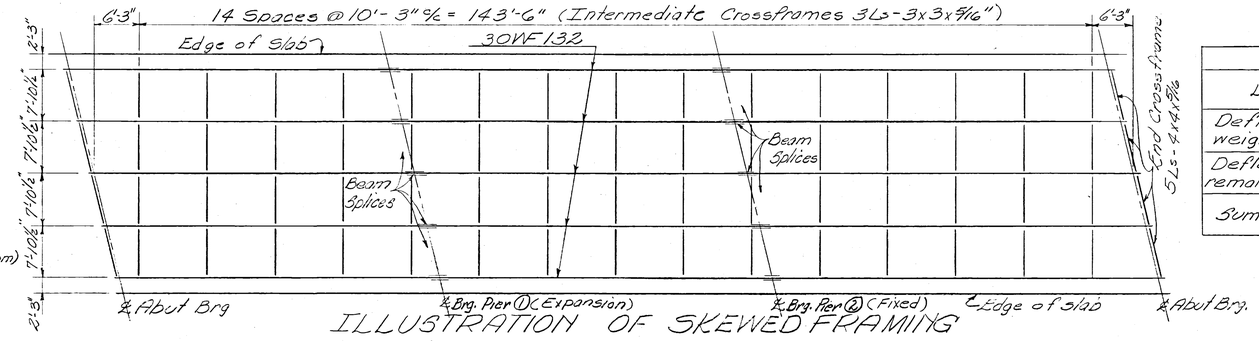


ILLUSTRATION OF SKEWED FRAMING

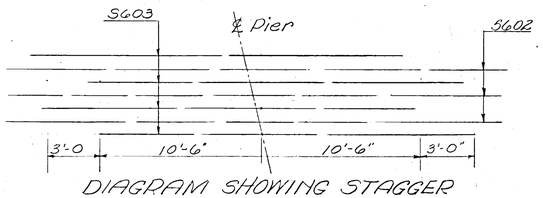
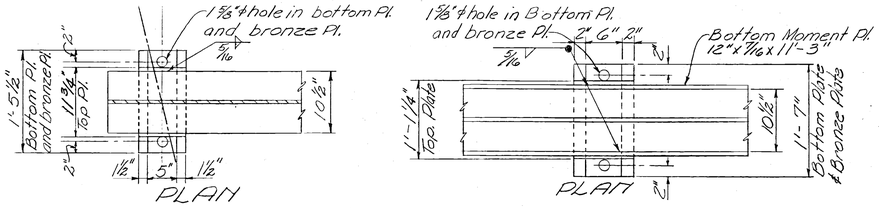
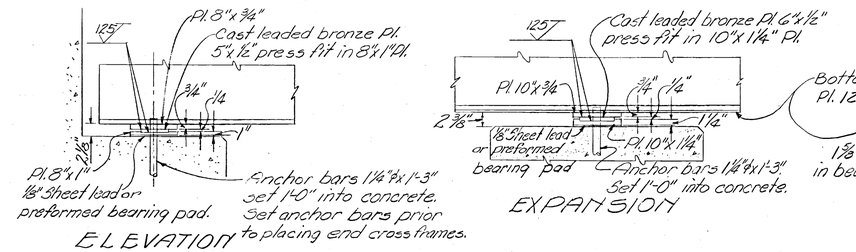


DIAGRAM SHOWING STAGGER 5603 BARS OVER PIERS





ABUTMENT BEARING PLATES

PIER BEARING PLATES

REVISION	DATE	DESCRIPTION	BY

U.S. ARMY ENGINEER DISTRICT, HUNTINGTON
CORPS OF ENGINEERS
HUNTINGTON, W. VA.

DRAWN BY: KDD
TRACED BY: WDJ
CHECKED BY: WK
SUBMITTED BY: Elmer S. Barrett
ELMER S. BARRETT ASSOCIATES
RECOMMENDED: CHIEF ENG. DIV.
APPROVED: COL. C. E. DISTRICT ENGINEER
DATE: JULY 1959

LICKING RIVER
DILLON RESERVOIR PROJECT
RELOCATION OF OHIO STATE ROUTE NO. 156 (SECTION 3 & 4)
SUPERSTRUCTURE DETAILS
BRIDGE NO. MUS-156-0319
STATE ROUTE NO. 156 OVER BIG RUN

ELMER S. BARRETT ASSOCIATES
CONSULTING ENGINEERS
CHILLICOTHE, OHIO

SCALE:
SPEC. NO.
DRAWING NUMBER 027f-UD6-68/52
SHEET 52 OF 62

WORK AS CONSTRUCTED

SUPERSTRUCTURE DETAILS