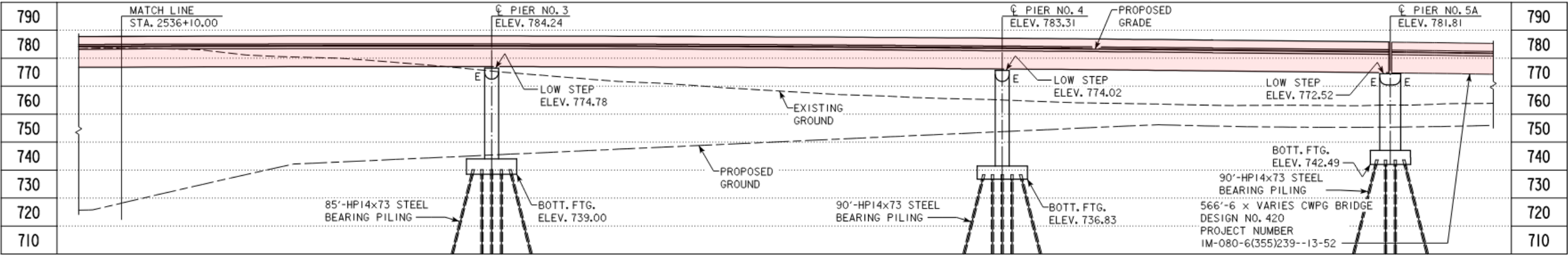


LONGITUDINAL SECTION ALONG RAMP B



LONGITUDINAL SECTION ALONG RAMP B

NOTES:

1. All superstructure elements within the highlighted regions are part of the L3-Br03-Superstructure02 unit test including bearings, girders, diaphragms, deck, deck joints, deck drain, sign and lighting supports, and barrier railing. For superstructure details, see sheets 38-90 of Br3-Steel and Concrete-Iowa DOT.pdf.
2. Use specifications from L1-Br03-Deck02, L1-Br03-DeckDrain01, L1-Br03-DeckJoint02, L1-Br03-BarrierRail02, L1-Br03-SignLightSupport01, L1-Br03-Girder02, L1-Br03-Diaphragm03, L1-Br03-Diaphragm04, L1-Br03-Diaphragm05, L1-Br03-Bearing02, L2-Br03-Girders02, and L2-Br03-Conduits01 for similar elements.
3. For the full plan set and additional structure information, see Br3-Steel and Concrete-Iowa DOT.pdf.

Unit Test Instruction for the Design-to-Construction Data Exchange			
1 12/11/23			
No. Date Issue / Revision Notes			
Unit Test Description		Unit Test / Sheet No.	
Level 3 Superstructure		L3-Br03	
Drawn By AMN		Reviewed By MJY	
		Superstructure02 / 01	

THE BRIDGE DECK AS SHOWN INCLUDES $\frac{1}{2}$ " INTEGRAL WEARING SURFACE.
FORMS FOR THE BRIDGE DECK AND BARRIER RAIL ARE TO BE SUPPORTED
BY THE GIRDERS.

TOP TRANSVERSE REINFORCING STEEL IS TO BE PARALLEL TO AND 2 1/2" CLEAR BELOW TOP OF DECK. BOTTOM TRANSVERSE REINFORCING STEEL IS TO BE PARALLEL TO AND 1" CLEAR ABOVE BOTTOM OF DECK. TOP AND BOTTOM REINFORCING STEEL IS TO BE SUPPORTED BY INDIVIDUAL BAR CHAIRS SPACED AT NOT MORE THAN 3'-0" CENTERS LONGITUDINALLY AND TRANSVERSELY, OR BY CONTINUOUS ROWS OF BAR HIGH CHAIRS OR DECK BOLSTERS SPACED 4'-0" APART. I.M. 451.01 REQUIREMENTS SHALL APPLY FOR BAR CHAIRS, HIGH BAR CHAIRS, AND DECK BOLSTERS.

BOTTOM FLANGES ARE TO BE PERPENDICULAR TO WEBS AT THE REACTION POINTS.

THE DESIGN DRAWINGS INDICATE AWS PREQUALIFIED WELDED JOINTS.
ALTERNATE JOINT DETAILS MAY BE SUBMITTED FOR APPROVAL.




SHOP WELDED FLANGE SPLICES SHALL BE A MINIMUM OF 6 INCHES FROM A STIFFENER, 6 INCHES FROM A WEB SPlice, AND 4 INCHES FROM A SHEAR CONNECTOR. WEB SPLICES SHALL BE A MINIMUM OF 6 INCHES FROM A STIFFENER. SPLICES SHALL NOT INTERFERE WITH ANY OTHER BRIDGE COMPONENTS. ALL SHOP WELDED BUTT SPLICES SHALL BE SHOWN ON THE SHOP DRAWINGS AND SUBJECT TO APPROVAL BY THE ENGINEER.

LONGITUDINAL CONSTRUCTION JOINTS ARE NOT ALLOWED (U.N.O.).



THE MAXIMUM EMBEDMENT OF THE EDGE OF THE TOP FLANGE IN THE DECK SHALL BE $\frac{1}{2}$ INCH. SHEAR STUDS ARE TO HAVE A MINIMUM PENETRATION OF 2 INCHES INTO THE DECK AND BE AT LEAST $2\frac{1}{2}$ INCHES CLEAR OF THE TOP OF THE DECK. THESE REQUIREMENTS WERE USED IN SETTING THE MAXIMUM AND MINIMUM ALLOWABLE FIELD HAUNCH VALUES SHOWN IN THE "MISCELLANEOUS DATA TABLE" ON DESIGN SHEETS 56 & 57.



Unit Test Instruction for the Design-to-Construction Data Exchange															
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<table border="1"> <tr> <td>No.</td> <td>Date</td> <td>Issue / Revision Notes</td> </tr> <tr> <td colspan="3">Unit Test Description</td> </tr> <tr> <td colspan="3">Level 3 Superstructure</td> </tr> <tr> <td colspan="2"> Drawn By AMN </td> <td> Reviewed By MJY </td> </tr> </table>			No.	Date	Issue / Revision Notes	Unit Test Description			Level 3 Superstructure			Drawn By AMN		Reviewed By MJY	Unit Test / Sheet No. <div> <div>L3-Br03</div> <div>Superstructure02 / 02</div> </div>
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