

LEGEND

For Sheets S8 and S9

- - Existing Bolt/Rivet to Remain
 - - Remove Existing Bolt/Rivet and Install New Bolt
 - - Drill New Bolt Hole and Install New Bolt
- N.S. indicates Near Side.

STRUCTURAL STEEL REPAIR NOTES

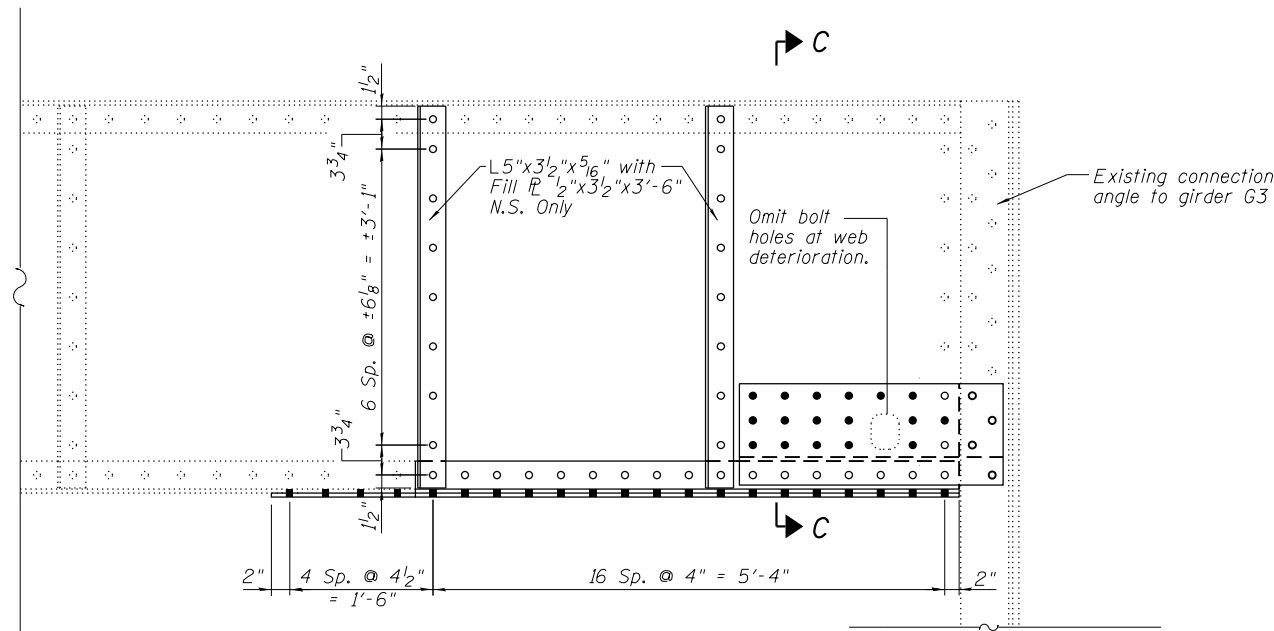
For Sheets S8 and S9

1. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to fabrication, construction, or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work. However, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
2. The Contractor shall perform the structural steel repairs during the weekend and/or night closures of the lanes above the structural steel repair areas.
3. The details shown are the final configurations and details. The Contractor shall be responsible for obtaining approval from the Engineer for all methods and procedures necessary to achieve the details shown.
4. Removal and disposal of all structural steel necessary to complete the work as detailed on the plans shall be performed in accordance with Section 501 of the Standard Specifications and included is in the cost of Structural Steel Repair.
5. Where existing structural steel is shown to be removed, the Contractor shall exercise care during removal of existing structural steel to ensure that the adjacent structural steel will not be detrimentally impacted. The Contractor shall repair any damage to the existing structural steel caused by his operation as directed by the Engineer at no additional cost to the Department.
6. Fasteners shall be ASTM A325, Type 1 mechanically galvanized bolts. Bolts $\frac{7}{8}$ " ϕ , holes $\frac{15}{16}$ " ϕ , unless noted otherwise.
7. Holes shall be subpunched or subdrilled $\frac{13}{16}$ " ϕ and reamed in the field to $\frac{15}{16}$ " ϕ for $\frac{7}{8}$ " ϕ , bolts unless noted otherwise.
8. Where removal of existing rivets is required to facilitate the work, remove rivets and replace with the same diameter high strength bolts, unless noted otherwise.
9. Burning of existing rivets or bolts will not be permitted when the subject fasteners are installed in existing structural steel to remain in place. Such rivets and bolts shall have the head of the fastener sheared off and the shank driven or drilled out. Extreme care shall be exercised when removing such fasteners so as not to damage the existing structural steel to remain. Removal of such fasteners will not be measured for payment but shall be included in the cost of the associated work. Any damage to the existing structural steel to remain in place due to the removal of such fasteners shall be repaired or replaced to the satisfaction of the Engineer at no additional cost to the Department.
10. No field welding will be permitted except as specified in the Contract Documents.
11. All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.
12. Ends of stiffener angle fill plates shall be clipped an/or ground to match top and bottom flange angle fillets. Cost included in Structural Steel Repair.
13. Anchor bolts shall be ASTM F1554, Grade 55.
14. Anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

BILL OF MATERIAL

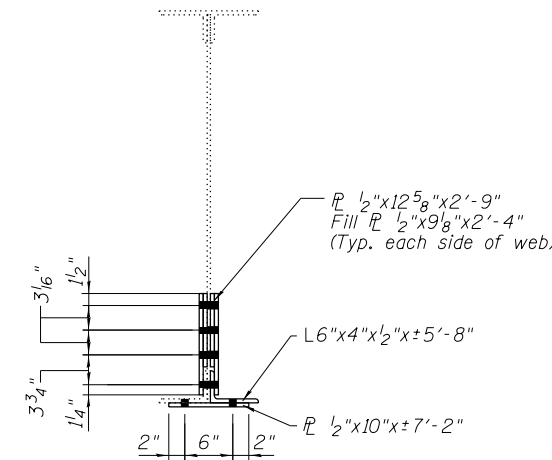
For Sheets S8 and S9

ITEM DESCRIPTION	UNIT	QUANTITY
Structural Steel Repair	Pound	3,310

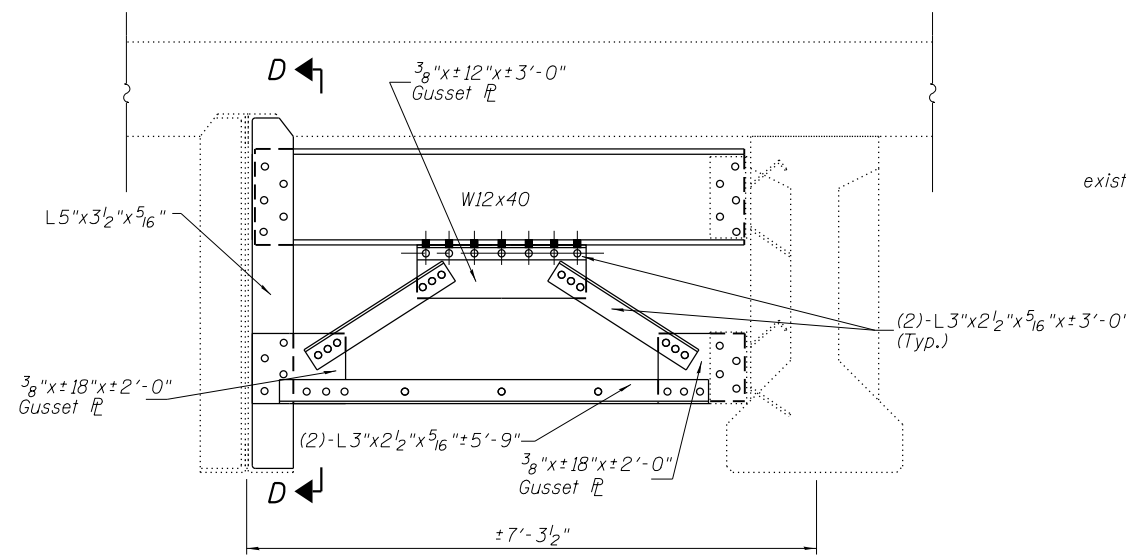


EAST ELEVATION
Looking West

STEEL REPAIR A

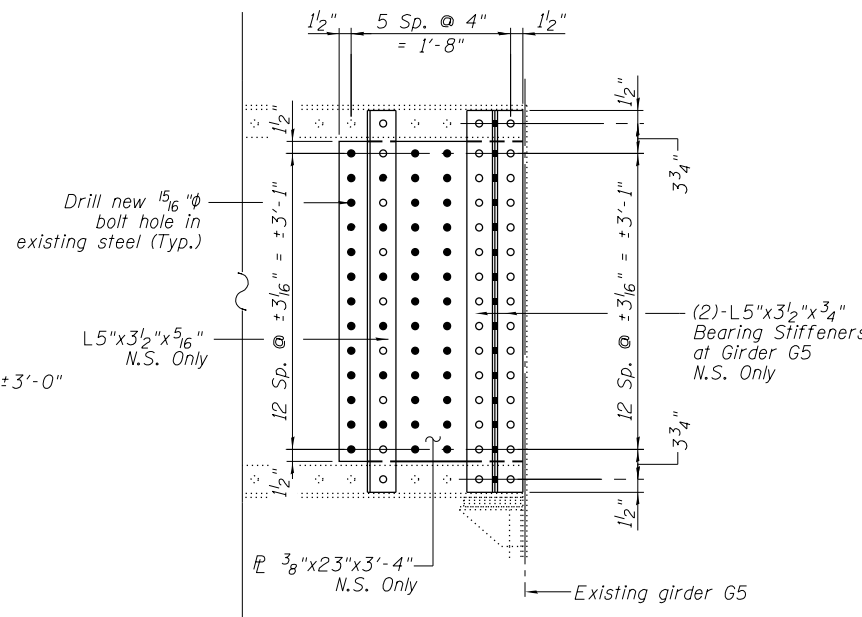


SECTION C-C



NORTH ELEVATION
Looking South

STEEL REPAIR B



SECTION D-D

USER NAME =	DESIGNED - JMS	REVISED -
PLOT SCALE =	DRAWN - LS	REVISED -
PLOT DATE =	CHECKED - JMH	REVISED -
	DATE - DECEMBER 2012	REVISED -

F.A.I. RTE. 90/94	SECTION 2012-055BR	COUNTY COOK	TOTAL SHEETS 107	SHEET NO. 70C
CONTRACT NO. 60V58			ILLINOIS FED. AID PROJECT	