



GUSSET PLATE RETROFIT
L8' EXTERIOR, NORTH TRUSS WESTBOUND BRIDGE
1 LOCATION

NOTATION

- SLO - SHORT LEG OUTSTANDING
- LLO - LONG LEG OUTSTANDING
- + - INDICATES NEW BOLT

NOTES

CONSTRUCTION SEQUENCE AT L8' EXTERIOR, NORTH TRUSS, WESTBOUND

THE INTERIOR GUSSET AT L8' NORTH TRUSS, WESTBOUND BRIDGE SHALL BE COMPLETED PRIOR TO BEGINNING WORK ON THE EXTERIOR GUSSET. STIFFENER ANGLES AND BOLTS SHALL BE INSTALLED IN THE FOLLOWING SEQUENCE. EACH ANGLE SHALL BE COMPLETELY INSTALLED WITH ALL BOLTS TIGHTENED BEFORE ANY OTHER HOLES ARE DRILLED OR ADDITIONAL EXISTING FASTENERS ARE REMOVED.

1. ANGLE E1
 - A. REMOVE EXISTING RIVET FROM LOWER CHORD.
 - B. REMOVE EXISTING BOLT FROM DIAGONAL.
 - C. BOLT NEW ANGLE IN PLACE WITH BOLTS IN END HOLES.
 - D. DRILL REMAINING HOLES AND INSTALL BOLTS. FILL EACH HOLE AND TIGHTEN BOLT BEFORE DRILLING THE NEXT HOLE.
2. ANGLES E2a AND E2b
 - A. REMOVE EXISTING BOLTS FROM VERTICAL.
 - B. BOLT NEW ANGLE E2a IN PLACE WITH BOLTS THROUGH VERTICAL.
 - C. DRILL BOTTOM HOLE AND INSTALL BOLT.
 - D. DRILL REMAINING HOLES AND INSTALL ANGLE E2b AND BOLTS. FILL EACH HOLE AND TIGHTEN BOLT BEFORE DRILLING THE NEXT HOLE.
3. ANGLES E3a AND E3b
 - A. REMOVE EXISTING BOLTS FROM VERTICAL.
 - B. BOLT NEW ANGLE E3a IN PLACE WITH BOLTS THROUGH VERTICAL.
 - C. DRILL BOTTOM HOLE AND INSTALL BOLT.
 - D. DRILL REMAINING HOLES AND INSTALL ANGLE E3b AND BOLTS. FILL EACH HOLE AND TIGHTEN BOLT BEFORE DRILLING THE NEXT HOLE.
4. ANGLE E4
 - A. REMOVE EXISTING RIVETS FROM LOWER CHORD.
 - B. REMOVE EXISTING BOLTS FROM DIAGONAL.
 - C. BOLT NEW ANGLE IN PLACE WITH BOLTS IN END HOLES.
 - D. DRILL REMAINING HOLE AND INSTALL BOLT. USE WASHER ON INSIDE.
5. ANGLES E5a AND E5b
 - A. REMOVE EXISTING RIVETS FROM LOWER CHORD.
 - B. REMOVE EXISTING BOLTS FROM DIAGONAL.
 - C. BOLT NEW ANGLE E5a IN PLACE WITH BOLTS IN END HOLES.
 - D. DRILL REMAINING HOLES AND INSTALL ANGLE E5b AND BOLTS. FILL EACH HOLE AND TIGHTEN BOLT BEFORE DRILLING THE NEXT HOLE.
6. ANGLES E6a AND E6b
 - A. REMOVE EXISTING RIVETS FROM LOWER CHORD.
 - B. REMOVE EXISTING BOLTS FROM DIAGONAL.
 - C. BOLT NEW ANGLE E6a IN PLACE WITH BOLTS IN END HOLES.
 - D. DRILL REMAINING HOLES AND INSTALL ANGLE E6b AND BOLTS. FILL EACH HOLE AND TIGHTEN BOLT BEFORE DRILLING THE NEXT HOLE.
7. ANGLES E7a AND E7b
 - A. REMOVE EXISTING BOLTS FROM DIAGONALS.
 - B. BOLT NEW ANGLE E7a IN PLACE WITH BOLTS IN END HOLES.
 - C. DRILL REMAINING HOLES AND INSTALL ANGLE E7b AND BOLTS. FILL EACH HOLE AND TIGHTEN BOLT BEFORE DRILLING THE NEXT HOLE.
8. INSTALL NEW BOLTS IN SPACES IN TENSION DIAGONAL. FILL EACH HOLE AND TIGHTEN BOLT BEFORE DRILLING THE NEXT HOLE.

RICHLAND ENGINEERING LIMITED 	29 NORTH PARK STREET MANSFIELD, OHIO 44902	DATE 6/7/96	REVIEWED DHT	STRUCTURE FILE NO. 4304950 & 4304955	DRAWN JLS	REVISION 2/20/97	DESIGNED DAP	CHECKED DLR
TRUSS GUSSET PLATE - L8' - WESTBOUND NORTH TRUSS - NORTH EXTERIOR - RETROFIT DETAILS								
LAK-90-23.42 L&R								
7 10								