

SOUTHBOUND ROADWAY

ITEM DEFECT NO.	SPAN NO.	MEMBER	LOCATION	DEFICIENCY	REPAIR DESCRIPTION	REPAIR DETAIL NO.	DETAIL ON SHEET NO.
S1	1	Girder 5	3rd Cross Brace from Abutment, E side	1 broken Rivet of Web Stiffener	Replace with Bolt	Note 1	S49
S2	2	Bearing	Girder L Pier 2, E side	Broken Anchor Plate Washer	Replace Plate Washer	Note 2	S49
S3	3	Bearing	Girder L Pier 3, E side	missing Side Retainer	Replace Side Retainer	1	S45
S4	3	Bearing	Girder 6	1 sheared bolt	Replace with Bolt	Note 1	S49
S5	4	L1E	L1E	North Knee Brace Support missing	Repair	2	S45
S6	4	L2W-L3E	L2W	2 pinholes and a 2 1/2" x 1" hole in bottom leg of angle	Replace Angles	3	S45
S7	4	Stringer 9	Floor Beam 3	3" hole in web	Repair	4	S45
S8	4	Stringer 1	Floor Beam 3, Panel 3	2"x1" hole in web at Floor Beam Connection	Repair	4	S45
S9	4	Stringer 9	2' north of Floor Beam 4, W side	2"x1" hole in bottom of web	Repair	4	S45
S10	4	Stringer 2	2' north of Floor Beam 4	3" hole in web	Repair	4	S45
S11	4	U7E-L7E	4' above bottom chord, W side of member	2"x2 1/2" hole and section loss	Repair	5	S45
S12	5	Diaphragm	Floor Beam 10 between Stringer 5 and 6, Connection Angle at Stringer 6	3 1/8" long crack in Connection Angle	Replace Angle	6	S46
S13	5	Stringer 6 & Diaphragm	Floor Beam 10, E side & Floor Beam 10, between Stringer 5 & 6, Connection Angle at Stringer 6	3"x1/4" hole in web of Stringer 6 & Connection Angle entirely cracked, 6" long	Replace Angle	6	S46
S14	5	L11E-L12W	L11E	2 1/2" x 1 1/2" hole in bottom leg of Angle	Replace Angles	7	S46
S15	5	U1W-L12W	Inside of Box Beam, N side of L1E-U12W, 9' above bottom chord	1 broken Rivet	Replace with Bolt	Note 1	S49
S16	5	L12W-L13W	5' from L12W	1 sheared Rivet in lateral brace	Replace with Bolt	Note 1	S49
S17	5	L12E-L13W	along Lateral Brace	3 sheared Rivets in lateral brace	Replace with Bolts	Note 1	S49
S18	5	Guide Pin	L13E	3/8" gouge in Pin	Repair with welded plates on the interior of the Truss	8	S46
S19	5	Guide Pin	U13E	1/2" gouge in Pin	Repair with welded plates on the interior of the Truss	9	S46
S20	5	Stringer 5	Floor Beam 13, Panel 13	3"x1" & 1/2" diameter holes in web	Repair	4	S45
S21	5	Conduit	L13W	broken Conduit	Repair	Note 3	S49
S22	5	Guide Pin	U13W	1/2" gouge in Pin	Repair with welded plates on the interior of the Truss	9	S46
S23	5	L15E-L16E	4' from L15E	2"x1 1/4" & 1 1/4" x 3/4" holes in top of bottom chord	Repair	10	S47
S24	5	Diaphragm	Panel Point 15 Between Stringer 3 & 4	3/8"x1 1/4" & 1 1/4"x3/4" holes in web	Replace Diaphragm	11	S47
S25	5	L15W-L16W	4' from L15W	2 1/2" diameter hole in bottom of bottom chord	Repair	12	S47

ITEM DEFECT NO.	SPAN NO.	MEMBER	LOCATION	DEFICIENCY	REPAIR DESCRIPTION	REPAIR DETAIL NO.	DETAIL ON SHEET NO.
S26	5	L16E-L17E	2' from L16E	2"x2" hole in top of bottom chord due to pack rust	Repair	13	S47
S27	5	L16E-L17W	4' from L16E	1/2" diameter hole in top leg of Angle	Replace Angles	14	S47
S28	5	L17E-L18E	4' from L17E	2-1" diameter holes in bottom of bottom chord	Repair	10	S47
S29	5	L17E-L16'W	4' from L16'W	1" diameter hole in top Angle leg	Replace Angles	14	S47
S30	5	Bearing	Floor Beam 15, Stringer 5, Panel 19	bearing locked due to steel interference	Repair	Note 4	S49
S31	5	Guide Pin	U13'E	1/8" gouge in Pin	Repair with welded plates on the interior of the Truss	9	S46
S32	5	Guide Pin	U13'W	1/8" gouge in Pin	Repair with welded plates on the interior of the Truss	9	S46
S33	5	U13'W-L13'W	N side of U13'W-L13'W, 4' below top chord	2 areas of torch damage	Repair	15	S48
S34	5	L13'E-L12'W	last 5' at L12'W	4 broken Rivets	Replace with Bolts	Note 1	S49
S35	5	U11'E-L12'E	Inside of box, N side, 15' above bottom chord	1 broken Rivet	Replace with Bolt	Note 1	S49
S36	5	Floor Beam 10'	bottom Gussel Plate at E end of Floor Beam 10'	7"x5" hole in Gussel Plate	Repair	16	S48
S37	6	Stringer 5	Floor Beam 8, Panel 27	1 broken Rivet	Replace with Bolt	Note 1	S49
S38	6	Stringer 2	Floor Beam 6', Panel 28	2 missing bolts in Stringer	Replace Bolts	Note 1	S49
S39	6	U7'E-L6'E	L6'E, 3' from bottom chord	1 3/4" diameter hole with section loss on east face of member	Repair	17	S48
S40	6	L5'W-L4'E	L4'E	2 3/4"x3/4" hole in bottom leg of Angle	Replace Angles	3	S45
S41	6	U3'E-L2'E	E side of U3'E-L2'E, 4' above bottom chord	Section loss and 1" diameter hole on E side	Repair	17	S48
S42	6	L2'E-U1'E	L2'E, 5' from bottom chord	2"x1" hole and section loss on east side of member	Repair	17	S48
S43	6	U1'E-L1'E	2' from bottom chord	1"x1/2" hole on east side of member	Repair	18	S48
S44	7	Shoring Tower	10' S of Pier 6, west side	2 sheared Bolts at connection to Shoring Tower	Replace Bolts	Note 1	S49
S45	7	Shoring Tower	10' S of Pier 1, east side	2 loose Bolts at connection to Shoring Tower	Replace Bolts	Note 1	S49
S46	7	Shoring Tower	10' S of Pier 1, west side	1 sheared Bolt at connection to Shoring Tower	Replace Bolt	Note 1	S49
S47	7	Shoring Tower	10' S of Pier 6, east side	2 sheared Bolts at connection to Shoring Tower	Replace Bolts	Note 1	S49
S48	7	Shoring Tower	10' N of Pier 6, east side	2 Angles missing at connection to Girder	Replace Angles	19	S48
S49	7	Stringer 4	3rd C.F.S. of Pier 6	2 1/2" crack in angle & fastener from bottom & 1 missing bolt	Replace Bolt & angle	6	S46
S50	7	Scupper	25' N. of S. Abut. at Stringer 1	Drain leaking on Stringer 1	Repair		

FILE NAME: I:\1403183.1-55 over-Des Plaines\Structure\1403183-12-Str-Steel-Repair-Table-1.dgn



USER NAME = IDOT
 DESIGNED - J.C.N./B.N.S./J.W.
 CHECKED - B.N.S./J.W.
 DRAWN - F.M.
 DATE - MARCH 20, 2013
 PLOT SCALE = 5/8" = 1' - 0"
 PLOT DATE = 3/19/2013

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STRUCTURAL STEEL REPAIRS-TABLE 1
 STRUCTURE NO. 099-0008**

SHEET NO. 542 OF 560 SHEETS

P.A.L. REV. 55	SECTION 07D, D-BR-1	COUNTY WILL	TOTAL SHEETS 106	SHEET NO. 81
			CONTRACT NO. 60R62	
ILLINOISIFIED, AID PROJECT				