


NORTHBOUND ROADWAY

ITEM DEFECT NO.	SPAN NO.	MEMBER	LOCATION	DEFICIENCY	REPAIR DESCRIPTION	REPAIR DETAIL NO.	DETAIL ON SHEET NO.
N1	2	Bearing	Girder 6, Pier 2	missing Side Retainer	Replace Side Retainer	1	S45
N2	4	Portal Frame	Between Panel Point 0 & 1, 2' from west Truss	1/2" crack in seam weld	Repair	Note 5	S49
N3	4	U1W-L1W	L1W, top of outer Gusset Plate, west side	2 3/4"x3/4" hole and section loss on west side of member	Repair	18	S48
N4	4	Stringer 1	Floor Beam 3, Panel 3	1 missing bolt at top of seat Angle	Replace with Bolt	Note 1	S49
N5	4	Stringer 8	Floor Beam 3, Panel 4	1 missing bolt in bottom flange	Replace with Bolt	Note 1	S49
N6	4	Bearing	Floor Beam 6, Stringer 5, Panel 7	debris on Bearing Seat	Clean	Note 3	S49
N7	5	L9W-L10W	L9W, Inside of member, east side	1 missing Rivet	Replace with Bolt	Note 1	S49
N8	5	L12E-L13W	Spread along entire member	6 sheared Rivets	Replace with Bolts	Note 1	S49
N9	5	L12W-L13W	Spread along entire member	7 sheared Rivets	Replace with Bolts	Note 1	S49
N10	5	Guide Pin	U13W	1/2" section loss at U13W Guide Pin	Repair with welded plates on the interior of the Truss	9	S46
N11	5	Stringer 9	2' north of Floor Beam 13, Panel 13	1"x1/2" hole in bottom of web	Repair	4	S45
N12	5	Stringer 8	2' north of Floor Beam 13, Panel 13	1 1/4"x1 1/2" hole in bottom of web	Repair	4	S45
N13	5	Stringer 7	2' north of Floor Beam 13, Panel 13	1"x3/4" hole in bottom of web	Repair	4	S45
N14	5	Stringer 6	3' north of Floor Beam 13, Panel 13	1 1/8"x3/4" hole in bottom of web	Repair	4	S45
N15	5	Stringer 5	3' north of Floor Beam 13, Panel 13	1 1/2" x 1" hole in bottom of web	Repair	4	S45
N16	5	Stringer 4	3' north of Floor Beam 13, Panel 13	1 1/2"x3/4" hole in bottom of web	Repair	4	S45
N17	5	Stringer 3	3' north of Floor Beam 13, Panel 13	1 1/2"x3/4" hole in bottom of web	Repair	4	S45
N18	5	Bearing	Stringer 3, Floor Beam 13, Panel 13	1 missing Bolt in bottom of bearing seat	Replace with Bolt	Note 1	S49
N19	5	Stringer 2	3' north of Floor Beam 13, Panel 13	2 holes in bottom of web (3"x1" & 1"x1")	Repair	4	S45
N20	5	Stringer 1	Floor Beam 13, Panel 13	1 1/2" diameter hole in web	Repair	4	S45
N21	5	Floor beam 13	Stringer 4, Panel 14	1 missing Bolt in Floor Beam web	Replace with Bolt	Note 1	S49
N22	5	Diaphragm	Floor Beam 15 between Stringer 3 & 4, Panel 16	2 holes in web 1"x2" & 1"x3"	Replace diaphragm	11	S47

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N23	5	L15W-L16W	6' south of L15W	1 missing Rivet head	Replace with Bolt	Note 1	S49
N24	5	L15W-L16W	4' south of L15W, bottom of member	6"x2 1/2" hole on bottom of member	Repair	12	S47
N25	5	L17E-L16'E	4' south of L17E, bottom of member	1 1/2" diameter hole and section loss on bottom of member	Repair	12	S47
N26	5	L17W-L16'W	4' south of L17W, bottom of member	2 1/4" diameter hole and section loss on bottom of member	Repair	12	S47
N27	5	L15'W-L16'W	Inside of Box Beam, E side, 1' S of L16'W	1 broken Rivet inside of box	Replace with Bolt	Note 1	S49
N28	5	Bearings	Floor Beam 15', Stringers 4 & 5, Panel 19	Bearings locked due to pack rust	Repair	Note 4	S49
N29	5	U14'W-L15'W	4' from bottom chord, inside of member, S side	1 broken Rivet	Replace with Bolt	Note 1	S49
N30	5	Guide Pin	U13'W	1/4" section loss at Guide Pin	Repair with welded plates on the interior of the truss	9	S46
N32	5	L12E-L13W	along entire member	6 sheared Rivets	Replace with Bolts	Note 1	S49
N33	5	L12W-L13W	along entire member	6 sheared Rivets	Replace with Bolts	Note 1	S49
N34	5	Stringer 1	Floor Beam 12', Panel 23	2 1/2"x1 1/4" hole at bottom of web	Repair	4	S45
N35	5	Stringer 2	Floor Beam 10', Panel 24	4 missing Bolts at top of seat angle	Replace with Bolts	Note 1	S49
N36	5	L10'E-U10'E	4' above bottom chord, W side of member	2 holes (1/2" and 1/4" diameters) and section loss on W side of member	Repair	5	S45
N37	5	Bearings	Floor Beam 10', Stringer 4 & 6, Panel 25	Bearings unable to expand due to steel interference	Repair	Note 4	S49
N38	5	L8'E-U8'E	L8'E, outer Gusset Plate, E side	section loss on E side of member	Repair	21	S49
N39	6	Stringer 8	Floor Beam 7', Panel 27	2 missing Bolts in connection T Beam	Replace with Bolts	Note 1	S49
N40	6	Stringer 2	Floor Beam 3', Panel 32	4 missing Bolts at top of seat angle	Replace with Bolts	Note 1	S49
N41	7	Diaphragm	at Pier 6 between Girders 2 & 3	1 1/2" diameter hole in Diaphragm	Replace Diaphragm	22	S49
N61	1	Abutment Bearing	North Abutment Girders 2 & 3	Build up of debris	Clean	Note 4	S49
N58	5	Lateral Bracing	L12E' to Mid Point Floor Beam 13', L12'E, South Face	6-sheared fasteners	Replace with bolts	Note 1	S49
N59	5	Lateral Bracing	L12W' to Mid Point Floor Beam 13', L12W, South Face	7-sheared fasteners	Replace with bolts	Note 1	S49

FILE NAME = I:\B310231-55 over Des Plaines\Structures\CR00 Sheets\DIRBEB2-43-st-steel-repair-table-II.dgn

 CHRISTIAN-ROGE & ASSOCIATES, INC.	USER NAME = IDOT	DESIGNED - J.C.N./B.N.S./J.W.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STRUCTURAL STEEL REPAIRS-TABLE II STRUCTURE NO. 099-0009	F.A.I. R.T.E. = 55	SECTION = 878, D-BR-1	COUNTY = WILL	TOTAL SHEETS = 105	SHEET NO. = 82
	PLGT SCALE = 5/8" = 1'-0"	CHECKED - B.N.S./J.W.	REVISIED -			DATE = MARCH 20, 2013	REVISED -	CONTRACT NO. 60R62		ILLINOIS FED. AID PROJECT

SHEET NO. 543 OF 560 SHEETS