

01/31/2019

MINNESOTA BRIDGE INSPECTION REPORT

Insp Responsibility: CITY OF MINNEAPOLIS

BRIDGE L5731 MINNEHAHA PARKWAY OVER MINNEHAHA CREEK

INSP. DATE: 07-19-2018

County: HENNEPIN
 City: MINNEAPOLIS
 Township:
 Section: 15 Township: 028N Range: 24W
 Main Span Type: CONC DECK GIRD

Location: 0.3 MI E OF LYNDAL AVE
 Route: MUN 1641 Ref Pt (TIS) 000+00.250
 Control Section: Maint. Area:
 Local Agency Bridge Nbr: 9551

Length: 28.0 ft
 Deck Width: 35.0 ft
 Rdwy. Area 452 sq ft
 Paint Area
 Culvert : N/A

NBI Deck: 5 Super: 5 Sub: 5 Chan: 5 Culv: N Open, Posted, Closed: LOAD POSTED Postings: 26 - 40 - 40
 Appraisal Ratings - Approach: 8 Waterway: 7 MN Scour Code: N-STBL; LIM SCOUR Def. Stat: F.O. Suff. Rate: 48.6
 Required Bridge Signs - Load Posting: VEHICLE & SEMI Traffic: NOT REQUIRED
 Vertical Curves: NOT APPLICABLE

ELEM NBR	ELEMENT NAME	INSP. DATE	QUANTIT	QTY CS 1	QTY CS 2	QTY CS 3	QTY CS 4
800	CRITICAL DEFS OR SAFETY HAZARDS	07-19-2018 07-26-2017	1 EA 1 EA	1 0	0 1	0 0	0 0
Notes: [2018] NO CRITICAL FINDINGS.							
12	REINFORCED CONCRETE DECK	07-19-2018 07-26-2017	980 SF 980 SF	0 0	980 0	0 0	0 0
Notes: [2016] THE SUBSURFACE HAS A SEEPAGE WITH EFFLORESCENCE AND SMALL SPALLS WITH REBAR EXPOSED ALONG THE CENTER CONSTRUCTION JOINT, CRACKS HAVE AREAS OF EFFLORESCENCE AND INCRUSTATION. [2018] NO CHANGE.							
	510 WEARING SURFACE	07-19-2018 07-26-2017	452 SF 452 SF	0 0	452 452	0 0	0 0
Notes: Bituminous Overlay Notes: [2016] TRANSVERSE CRACKS. MODERATE DETERIORATION UNDER SEAL COAT AND SCALING. [2018] NO CHANGE.							
330	METAL BRIDGE RAILING	07-19-2018 07-26-2017	60 LF 60 LF	0 0	60 0	0 60	0 0
Notes: [2016] STEEL PIPE EXTENSION RAILING IS SOUTH SIDE ONLY. MINOR PAINT DETERIORATION, PAINT FADING AND CHIPPING. [2018] NO CHANGE.							
	515 STEEL PROTECTIVE COATING	07-19-2018 07-26-2017	75 SF 75 SF	0 0	75 75	0 0	0 0
Notes: [2016] MINOR PAINT DETERIORATION, PAINT FADING AND CHIPPING. [2018] NO CHANGE.							
331	REINFORCED CONC BRIDGE RAILING	07-19-2018 07-26-2017	120 LF 120 LF	0 0	89 0	31 89	0 31
Notes: [2017] MANY OF THE SOUTH POSTS AND RAILS ARE CONCRETE PATCHED ALSO HAVE LARGE DELAMINATION AND UNDERMINING. NORTH SIDE POST HAVE LARGE SPALLS AND LARGE DELAMINATION. [2018] NO CHANGE.							
822	BITUMINOUS APPROACH ROADWAY	07-19-2018 07-26-2017	2 EA 2 EA	2 0	0 2	0 0	0 0
Notes: [2016] FINE HORIZONTAL CRACKS ON W. APPROACH. SETTLEMENT AT CB. [2017] TRANSVERSE CRACKS BOTH APPROACHES. [2018] NO CHANGE.							
110	REINFORCED CONC GIRDER OR BEAM	07-19-2018 07-26-2017	253 LF 253 LF	0 0	227 0	26 0	0 26
Notes: [2016] THE NORTH GIRDER HAS MANY LONGITUDINAL AND MAP CRACKS WITH EFFLORESCENCE AND HEAVY INCRUSTATION, SIGNS OF SEEPAGE, POPOUTS AND SPALLS. SOME OF THE OTHER GIRDERS HAVE AREAS OF EFFLORESCENCE, STAINS, DELAMINATION AT FACIAS AND LARGE SPALL WITH REBAR EXPOSED. CONDUIT ON S. WITH LOOSE WIRE. GRAFFITI. [2018] CAN'T VIEW DUE TO HIGH WATER.							
215	REINFORCED CONCRETE ABUTMENT	07-19-2018 07-26-2017	115 LF 115 LF	0 0	115 0	0 0	0 0
Notes: [2016] THERE ARE SIGNS OF SEEPAGE AND FULL HEIGHT CRACKS, SPALLS, WITH EFFLORESCENCE ON BOTH ABUTMENTS. GRAFFITI. Wingwall notes: THE WALLS HAVE FINE DIAGONAL CRACKS, POPOUTS AND SPALLS. [2018] CAN'T VIEW DUE TO HIGH WATER.							
885	SCOUR	07-19-2018 07-26-2017	1 EA 1 EA	0 0	1 0	0 1	0 0
Notes: [2016] REPORT IN FILE. THERE IS MODERATE SCOUR WITH EROSION AT THE WATERLINE AND THE AREA AROUND THE N.E. WALL. GABIONS HAVE BEEN PLACED ON BOTH SIDES. S.W. BANK ERODING. THERE IS A SCOUR UNDER CB NEXT TO N.E WINGWALL. [2018] NO CHANGE.							

890	LOAD PST OR VERTICAL CLR SIGNING	07-19-2018 07-26-2017	1 EA 1 EA	1	0 1	0 0	0 0
Notes: [2018] LOAD POSTING SIGN EAST END 26-40-40.							
892	SLOPES & SLOPE PROTECTION	07-19-2018 07-26-2017	1 EA 1 EA	1	0 1	0 0	0 0
Notes: [2016] DIRT SLOPE ON ABUTMENT SIDE AND VEGETATION GROWING. [2018] NO CHANGE.							
894	DECK & APPROACH DRAINAGE	07-19-2018 07-26-2017	1 EA 1 EA	0	1 0	0 1	0 0
Notes: [2016] CATCH BASIN AT THE N.E. APPROACH HAS SLOPE EROSION AND THE PIPE FORM CB HAVE UNDERMINE AT N.E. [2018] NO CHANGE.							
895	SIDEWALK, CURB, & MEDIAN	07-19-2018 07-26-2017	1 EA 1 EA	0	1 0	0 1	0 0
Notes: [2017] CURB; THERE IS SPALLING, VERTICAL CRACKS AND MINOR SETTLEMENT AT ALL FOUR OF THE APPROACH CURBS, VEGETATION GROWING GUTTERLINE AND SEPARATION AT N.E. CATCH BASIN. SIDEWALK; ASPHALT SIDEWALK ON THE SOUTH SIDE HAVE TRANSVERSE CRACKS, SIDEWALK SUBSURFACE HAS AREAS OF EFFLORESCENCE. [2018] NO CHANGE.							
900	PROTECTED SPECIES	07-19-2018 07-26-2017	1 EA 1 EA	0	1 1	0 0	0 0
Notes: [2018] NO PROTECTED SPECIES ARE NESTING ON THIS BRIDGE.							

General [2011] DECK ASPHALT THICKNESS CORE TAKEN, 5 1/4". SCOUR MEASURED IN 2017.

Notes:

Deck: [5] [2016] THE SUBSURFACE HAS A SEEPAGE WITH EFFLORESCENCE AND SMALL SPALLS WITH REBAR EXPOSED ALONG THE CENTER CONSTRUCTION JOINT, CRACKS HAVE AREAS OF EFFLORESCENCE AND INCRUSTATION.

Superstructure: [5] [2016] THE NORTH GIRDER HAS MANY LONGITUDINAL AND MAP CRACKS WITH EFFLORESCENCE AND HEAVY INCRUSTATION, SIGNS OF SEEPAGE, POPOUTS AND SPALLS. SOME OF THE OTHER GIRDERS HAVE AREAS OF EFFLORESCENCE, STAINS, DELAMINATION AT FACIAS AND LARGE SPALL WITH REBAR EXPOSED.

Substructure: [5] [2016] THERE ARE SIGNS OF SEEPAGE AND FULL HEIGHT CRACKS, SPALLS, WITH EFFLORESCENCE ON BOTH ABUTMENTS.

Channel: [5] [2016] THERE IS MODERATE SCOUR WITH EROSION AT THE WATERLINE AND THE AREA AROUND THE N.E. WALL. GABION WALLS HAVE BEEN PLACED ON BOTH SIDES. S.W. BANK ERODING. THERE IS A SCOUR UNDER CB NEXT TO N.E WINGWALL.