

MINNESOTA STRUCTURE INVENTORY REPORT

Bridge ID: L5731

MINNEHAHA PARKWAY over MINNEHAHA CREEK

Date: 01/31/2019

+ GENERAL +	+ ROADWAY ON BRIDGE +	+ INSPECTION +
Agency Br. No. 9551 District METRO Maint. Area County 27 - HENNEPIN City MINNEAPOLIS Township Desc. Loc. 0.3 MI E OF LYNDAL AVE Sect., Twp., Range 15 - 028N - 24W Latitude 44d 54m 26.63s Longitude 93d 17m 02.03s Custodian LOCAL PARK Owner LOCAL PARK Insp Responsibility CITY OF MINNEAPOLIS Year Built 1925 Date Opened to Traffic 01-01-1925 MN Year Remodeled FHWA Year Reconstructed Bridge Plan Location MUNICIPAL Potential ABC N.A.	Road Name MINNEHAHA PARKWAY Functional Class. URBAN LOCAL ADT (YEAR) 867 (2015) HCADT National Highway System N Route Sys/Nbr MUN 1641 Ref. Point (TIS) 000+00.250 Detour Length 1 mi. Lanes 1 Lane ON Bridge Control Section (TH Only) Function MAINLINE Type 1 WAY TRAF Bridge Match ID 1 Roadway Key 1-ON + RDWY DIMENSIONS ON BRIDGE + If Divided NB-EB SB-WB Roadway Width 16.0 ft Vertical Clearance Max. Vert. Clear. Horizontal Clear. 15.9 ft Appr. Surface Width 16.0 ft Bridge Roadway Width 16.0 ft Median Width on Bridge NA + MISC. BRIDGE DATA + Structure Flared NO Parallel Structure NONE Field Conn. ID Cantilever ID Foundations Abut. CONC - SPRD SOIL Pier Historic Status ELIGIBLE On - Off System OFF + PAINT + Year Painted Painted Area Primer Type Finish Type + BRIDGE SIGNS + Posted Load VEHICLE & SEMI Traffic NOT REQUIRED Horizontal NOT REQUIRED Vertical NOT APPLICABLE	Deficient Status F.O. Sufficiency Rating 48.6 Last Routine Insp Date 07-19-2018 Routine Insp Frequency 12 Inspector Name CITY MINNEAPOLIS Status P-LOAD POSTED + NBI CONDITION RATINGS + Deck 5 Superstructure 5 Substructure 5 Channel 5 Culvert N + NBI APPRAISAL RATINGS + Structure Evaluation 4 Deck Geometry 2 Underclearances N Waterway Adequacy 7 Approach Alignment 8 + SAFETY FEATURES + Bridge Railing 1-MEETS STANDARDS GR Transition N-NOT REQUIRED Appr. Guardrail N-NOT REQUIRED GR Termini N-NOT REQUIRED + SPECIAL INSPECTIONS + Frac. Critical N Underwater N Pinned Asbly. N + WATERWAY + Drainage Area Waterway Opening 125 sq ft Navigation Control NO PRMT REQD Pier Protection Nav. Vert./Horz. Clr. Nav. Vert. Lift Bridge Clear. MN Scour Code N-STBL;LIM SCOUR Scour Evaluation Year 1995 + CAPACITY RATINGS + Design Load UNKN Operating Rating HS 16.60 Inventory Rating HS 8.30 Posting VEH: 26 SEMI: 40 DBL: 40 Rating Date 11-27-2006 Overweight Permit Codes A: N B: N C: N
+ STRUCTURE +		
Service On HWY;PED Service Under STREAM Main Span Type CONC DECK GIRD Main Span Detail Appr. Span Type Appr. Span Detail Skew 10L Culvert Type Barrel Length Number of Spans MAIN: 1 APPR: 0 TOTAL: 1 Main Span Length 26.0 ft Structure Length 28.0 ft Deck Width 35.0 ft Deck Material C-I-P CONCRETE Wear Surf Type BITUMINOUS Wear Surf Install Year Wear Course/Fill Depth 0.26 ft Deck Membrane NONE Deck Rebars NONE Deck Rebars Install Year Structure Area 980 sq ft Roadway Area 452 sq ft Sidewalk Width - L/R 14.0 ft Curb Height - L/R Rail Codes - L/R 02 02		

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

Location: 0.3 MI E OF LYNDALE AVE

Length: 28.0 ft

City: MINNEAPOLIS

Route: MUN 1641 Ref Pt (TIS) 000+00.250

Deck Width: 35.0 ft

Township:

Control Section: Maint. Area:

Rdwy. Area 452 sq ft

Section: 15 Township: 028N Range: 24W

Local Agency Bridge Nbr: 9551

Paint Area

Main Span Type: CONC DECK GIRD

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

Horizontal: NOT REQUIRED

Vertical: NOT APPLICABLE

ELEM NBR	ELEMENT NAME	INSP. DATE	QUANTITY	QTY CS 1	QTY CS 2	QTY CS 3	QTY CS 4
800	CRITICAL DEFS OR SAFETY HAZARDS	07-19-2018	1 EA	1	0	0	0
		07-26-2017	1 EA	1	0	0	0
	Notes: [2018] NO CRITICAL FINDINGS.						
12	REINFORCED CONCRETE DECK	07-19-2018	980 SF	0	980	0	0
		07-26-2017	980 SF	0	980	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	452 SF	0	452	0	0
		07-26-2017	452 SF	0	452	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	60 LF	0	60	0	0
		07-26-2017	60 LF	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	75 SF	0	75	0	0
		07-26-2017	75 SF	0	75	0	0
	Notes: [2016] MINOR PAINT DETERIORATION, PAINT FADING AND CHIPPING. [2018] NO CHANGE.						
331	REINFORCED CONC BRIDGE RAILING	07-19-2018	120 LF	0	89	31	0
		07-26-2017	120 LF	0	89	31	0
	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	2 EA	2	0	0	0
		07-26-2017	2 EA	2	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	253 LF	0	227	26	0
		07-26-2017	253 LF	0	227	26	0
	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	115 LF	0	115	0	0
		07-26-2017	115 LF	0	115	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	1 EA	0	1	0	0
		07-26-2017	1 EA	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	1 EA	1	0	0	0
		07-26-2017	1 EA	1	0	0	0
Notes: [2018] LOAD POSTING SIGN EAST END 26-40-40.							
892	SLOPES & SLOPE PROTECTION	07-19-2018	1 EA	1	0	0	0
		07-26-2017	1 EA	1	0	0	0
Notes: [2016] DIRT SLOPE ON ABUTMENT SIDE AND VEGETATION GROWING. [2018] NO CHANGE.							
894	DECK & APPROACH DRAINAGE	07-19-2018	1 EA	0	1	0	0
		07-26-2017	1 EA	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	1 EA	0	1	0	0
		07-26-2017	1 EA	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	1 EA	0	1	0	0
		07-26-2017	1 EA	1	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.