

**2014 ROUTINE
BRIDGE INSPECTION REPORT**

**BRIDGE # 62636
SAMUEL MORGAN REG TRAIL over RAILROADS-CHILDS RD**

DISTRICT: Metro

COUNTY: Ramsey

CITY/TOWNSHIP: St Paul

Date(s) of Inspection: 01/01/2014

Equipment Used:

Owner: City or Municipal Highway Agency

Inspected By: Patel, Rajesh

Report Written By: Rajesh Patel

Report Reviewed By: Rajesh Patel

Final Report Date: 08/27/2014

**MnDOT Bridge Office
3485 Hadley Avenue North
Oakdale, MN 55128**



MnDOT Structure Inventory Report

Bridge ID: 62636

SAMUEL MORGAN REG TRAIL

over RAILROADS-CHILDS RD

Date: 08/27/2014

GENERAL	
Agency Br. No.	
District	Metro
Maint. Area	Crew
County	062 - Ramsey
City	St Paul
Township	
Desc. Loc.	0.8 MI SW of JCT TH 61
Sect., Twp., Range	4 - 28N - 22W
Latitude	Deg 44 Min 56 Sec 36.73
Longitude	Deg 93 Min 3 Sec 16.16
Custodian	04 - City or Municipal Highway Agency
Owner	04 - City or Municipal Highway Agency
BMU Agreement	
Year Built	2014
MN Year Reconstructed	
FHWA Year Reconstructed	
MN Temporary Status	
Bridge Plan Location	4 - MUNICIPAL
Date Opened to Traffic	
On-Off System	0 - OFF
Legislative District	66A

STRUCTURE	
Service On	3 - Pedestrian-bicycle
Service Under	4 - Highway - railroad
Main Span Type	5 - Prestress or Precast 01 - Beam Span
Main Span Detail	
Appr. Span Type	
Appr. Span Detail	
Skew	0
Culvert Type	
Barrel Length	ft.
Cantilever ID	

NUMBER OF SPANS		
MAIN: 7	APPR: 0	TOTAL: 7
Main Span Length	135.7	ft.
Structure Length	659.1	ft.
Deck Width (Out-to-Out)	14.5	ft.
Deck Material	1 - Concrete Cast-in-Place	
Wear Surf Type	1 - Monolithic Concrete (concr)	
Wear Surf Install Year	2014	
Wear Course/Fill Depth	ft.	
Deck Membrane	0 - None	
Deck Rebars	1 - Epoxy Coated Reinforcing	
Deck Rebars Install Year	2014	
Structure Area (Out-to-Out)	9641	sq. ft.
Roadway Area (Curb-to-Curb)	7908	sq. ft.
Sidewalk Width	Lt 0	ft. Rt 0
Curb Height	Lt 0.00	ft. Rt 0.00
Rail Type	Lt 28	Rt 28

ROADWAY	
Bridge Match ID (TIS)	0
Roadway O/U Key	Route On Structure
Route Sys	10 - MUN
Number	
Roadway Name or Description	SAMUEL MORGAN REG TRAIL
Level of Service	0 - NONE OF THE BELOW
Roadway Type	2 - 2-way traffic
Control Section (TH Only)	
Reference Point	
Detour Length	mi
Lanes	On 1 Under 2
ADT	Year
HCA DT	0 ADTT 0 %
Functional Class	19 - Urban - Local

RDWY DIMENSIONS			
If Divided	NB-EB	SB-WB	
Roadway Width	12.0	ft.	ft.
Vertical Clearance		ft.	ft.
Max. Vert. Clear.		ft.	ft.
Horizontal Clear.	12.0	ft.	ft.
Lateral Clearance	5.0	ft.	5.0
Appr. Surface Width	12.0	ft.	
Bridge Roadway Width	12.0	ft.	
Median Width On Bridge		ft.	

MISC. BRIDGE DATA	
Structure Flared	0 - No flare
Parallel Structure	L - Left structure (South or West)
Field Conn. ID	
Abutment Foundation	1 - CONC
(Material/Type)	3 - FTG PILE
Pier Foundation	1 - CONC
(Material/Type)	3 - FTG PILE
Historic Status	5 - Not eligible

PAINT	
Year Painted	
Unsound Paint %	
Painted Area	sq. ft.
Primer Type	
Finish Type	

BRIDGE SIGNS	
Posted Load	0 - Not Required
Traffic	0 - Not Required
Horizontal	0 - Not Required
Vertical	0 - Not Required

INSPECTION	
Userkey	199
Unofficial Structurally Deficient	N
Unofficial Functionally Obsolete	N
Unofficial Sufficiency Rating	-2
Routine Inspection Date	01/01/2014
Routine Inspection Frequency	12
Inspector Name	CO Bridge
Status	A - Open

NBI CONDITION RATINGS	
Deck	9 - Excellent Condition
Unsound Deck %	
Superstructure	9 - Excellent Condition
Substructure	9 - Excellent Condition
Channel	N - Not Applicable
Culvert	N - Not Applicable

NBI APPRAISAL RATINGS	
Structure Evaluation	N
Deck Geometry	N
Underclearances	
Water Adequacy	N - Not Applicable
Approach Alignment	9 - Superior to present desir

SAFETY FEATURES	
Bridge Railing	1 - MEETS STANDARDS
GR Transition	0 - SUBSTANDARD
Appr. Guardrail	0 - SUBSTANDARD
GR Termini	0 - SUBSTANDARD

IN DEPTH INSP.		
Y/N	Freq	Date
Frac. Critical		
Underwater		
Pinned Asbly.		
Spec. Feat.		

WATERWAY	
Drainage Area (sq. mi.)	
Waterway Opening	sq. ft.
Navigation Control	N - Not applicable, no waterw
Pier Protection	
Nav. Clr. (ft.)	Vert. ft. Horiz. ft.
Nav. Vert. Lift Bridge Clear. (ft.)	
MN Scour Code	A - NON WATER' Year

CAPACITY RATINGS	
Design Load	7 - PEDESTRIAN
Operating Rating	5 - NRAP
Inventory Rating	5 - NRAP
Posting VEH:	SEMI: DBL:
Rating Date	

MnDOT Permit Codes	
A:	N - N/A
B:	N - N/A
C:	N - N/A

MnDOT BRIDGE INSPECTION REPORT

08/27/2014

Inspector: CO Bridge

BRIDGE 62636 SAMUEL MORGAN REG TRAIL OVER RAILROADS-CHILDS RD ROUTINE INSP. DATE: 01/01/2014

County: Ramsey	Location: 0.8 MI SW of JCT TH 61	Length: 659.1 ft.
City: St Paul	Route: 10 - MUN Ref. Pt.:	Deck Width: 14.5 ft.
Township:	Control Section:	Rdwy. Area/ Pct. Unsnd: 7908 sq. ft. / %
Section: 4 Township: 28N Range: 22W Maint. Area:		Paint Area/ Pct. Unsnd: sq. ft. / %
Span Type: 5 - Prestressed Concrete 02 - List: Stringer/Multi-beam or Girder	Local Agency Bridge Nbr.:	Culvert: N/A
NBI Deck: 9 Super: 9 Sub: 9 Chan: N Culv: N		Postings:

Open, Posted, Closed: A - Open
 MN Scour Code: A - NON WATERWAY

Appraisal Ratings - Approach: 9 Waterway: N	Unofficial Structurally Deficient	N
Required Bridge Signs - Load Posting: 0 - Not Required	Unofficial Functionally Obsolete	N
Horizontal: 0 - Not Required	Unofficial Sufficiency Rating	N
Traffic: 0 - Not Required		
Vertical: 0 - Not Required		

Structure Unit:

ELEM NBR	ELEMENT NAME	ENV	REPORT TYPE	INSP. DATE	QUANTITY	QTY CS 1	QTY CS 2	QTY CS 3	QTY CS 4	QTY CS 5
026	Top of Concrete Deck (No Overlay - Epoxy Rebar)	2	Routine	01/01/2014	9641 SF	9641	0	0	0	0

Requires Monitoring
 Monitored

Notes:

109	Prestressed Concrete Girder or Beam	2	Routine	01/01/2014	1828 LF	1828	0	0	0	N/A
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Requires Monitoring
 Monitored

Notes:

205	Reinforced Concrete Column	2	Routine	01/01/2014	6 EA	6	0	0	0	N/A
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Requires Monitoring
 Monitored

Notes:

215	Reinforced Concrete Abutment	2	Routine	01/01/2014	16 LF	16	0	0	0	N/A
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Requires Monitoring
 Monitored

Notes:

Structure Unit:

ELEM NBR	ELEMENT NAME	ENV	REPORT TYPE	INSP. DATE	QUANTITY	QTY CS 1	QTY CS 2	QTY CS 3	QTY CS 4	QTY CS 5
234	Reinforced Concrete Pier Cap	2	Routine	01/01/2014	93 LF	93	0	0	0	N/A

Requires Monitoring Monitored

Notes:

300	Strip Seal Deck Joint	2	Routine	01/01/2014	42 LF	42	0	0	N/A	N/A
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Requires Monitoring Monitored

Notes:

310	Elastomeric (Expansion) Bearing	2	Routine	01/01/2014	18 EA	18	0	0	N/A	N/A
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Requires Monitoring Monitored

Notes:

313	Fixed Bearing	2	Routine	01/01/2014	22 EA	22	0	0	N/A	N/A
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Requires Monitoring Monitored

Notes:

321	Concrete Approach Slab-Concrete Wearing Surface	2	Routine	01/01/2014	1 EA	1	0	0	0	N/A
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Requires Monitoring Monitored

Notes:

333	Masonry, Other or Combination Material Railing	2	Routine	01/01/2014	1319 LF	1319	0	0	N/A	N/A
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Requires Monitoring Monitored

Notes:

Structure Unit:

ELEM NBR	ELEMENT NAME	ENV	REPORT TYPE	INSP. DATE	QUANTITY	QTY CS 1	QTY CS 2	QTY CS 3	QTY CS 4	QTY CS 5
358	Concrete Deck Cracking Smart Flag	2	Routine	01/01/2014	1 EA	1	0	0	0	N/A

Requires Monitoring

Monitored

Notes:

359	Underside of Concrete Deck Smart Flag	2	Routine	01/01/2014	1 EA	1	0	0	0	0
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Requires Monitoring

Monitored

Notes:

380	Secondary Structural Elements	2	Routine	01/01/2014	1 EA	1	0	0	0	N/A
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Requires Monitoring

Monitored

Notes:

387	Reinforced Concrete Wingwall	2	Routine	01/01/2014	2 EA	2	0	0	0	N/A
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Requires Monitoring

Monitored

Notes:

964	Critical Finding Smart Flag	2	Routine	01/01/2014	1 EA	1	0	N/A	N/A	N/A
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Requires Monitoring

Monitored

Notes: DO NOT DELETE THIS CRITICAL FINDING SMART FLAG.

965	Concrete Shear Cracking Smart Flag	2	Routine	01/01/2014	1 EA	1	0	0	0	N/A
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Requires Monitoring

Monitored

Notes:

Structure Unit:

ELEM NBR	ELEMENT NAME	ENV	REPORT TYPE	INSP. DATE	QUANTITY	QTY CS 1	QTY CS 2	QTY CS 3	QTY CS 4	QTY CS 5
984	Deck & Approach Drainage	2	Routine	01/01/2014	1 EA	1	0	0	N/A	N/A

Requires Monitoring Monitored

Notes:

985	Slopes & Slope Protection	2	Routine	01/01/2014	1 EA	1	0	0	N/A	N/A
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Requires Monitoring Monitored

Notes:

986	Curb & Sidewalk	2	Routine	01/01/2014	1 EA	1	0	0	N/A	N/A
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Requires Monitoring Monitored

Notes:

988	Miscellaneous Items	2	Routine	01/01/2014	1 EA	1	0	0	N/A	N/A
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Requires Monitoring Monitored

Notes:

General Notes: July 2014: Bridge NEW added to inventory by MnDOT Bridge Office.
The January 1, 2014, "dummy" inspection was created by the MnDOT Bridge Office --- THIS IS NOT AN ACTUAL FIELD INSPECTION.

58. Deck NBI:

36A. Brdg Railings NBI:

36B. Transitions NBI:

36C. Appr Guardrail NBI:

36D. Appr Guardrail
Terminal NBI:

59. Superstructure NBI:

60. Substructure NBI:

61. Channel NBI:

62. Culvert NBI:

71. Waterway Adeq NBI:

72. Appr Roadway
Alignment NBI:

Inventory Notes:

Structure Unit:

ELEM NBR	ELEMENT NAME	ENV	REPORT TYPE	INSP. DATE	QUANTITY	QTY CS 1	QTY CS 2	QTY CS 3	QTY CS 4	QTY CS 5
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Rajesh Patel
Inspector's Signature

Rajesh Patel
Reviewer's Signature

