2016 ROUTINE BRIDGE INSPECTION REPORT



BRIDGE # 62618 CP RAIL over STREET 69

DISTRICT: Metro COUNTY: Rams

COUNTY: Ramsey CITY/TOWNSHIP: Maplewood

STATE: Minnesota

Date of Inspection: 09/08/2016 Equipment Used:

Owner: Railroad

Inspected By: Essler, Brian

STATUTE THE STATE

Report Written By: Brian Essler Report Reviewed By: Nicklaus Fischer Final Report Date: 10/04/2016

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Minnesota Structure Inventory Report

Bridge ID: 62618 CP RAIL	OVER STREET 69	Date: 10/04/2016			
GENERAL	ROADWAY	INSPECTION			
Agency Br. No.	Bridge Match ID (TIS)	Userkey 102			
District Metro	Roadway O/U Key none	Unofficial Structurally Deficient N			
Maint. Area Crew	Route Sys Number	Unofficial Functionally Obsolete N			
County 062 - Ramsey	Roadway Name or Description	Unofficial Sufficiency Rating -2			
City Maplewood		Routine Inspection Date 09/08/2016			
Township	Level of Service	Routine Inspection Frequency 12			
Desc. Loc. 0.1 MI E OF JCT TH 49	Roadway Type	Inspector Name CO Bridge			
Sect., Twp., Range 18 - 029N - 22W	Control Section (TH Only)	Status A - Open			
Latitude Deg 44 Min 59 Sec 56.65	Reference Point	NBI CONDITION RATINGS			
Longitude Deg 93 Min 6 Sec 8.1		Deck 7 - Good Condition			
Custodian 27 - Railroad	•	Unsound Deck %			
Owner 27 - Railroad	Lanes On Under 2 ADT Year	Superstructure 7 - Good Condition			
BMU Agreement	HCADT 0 ADTT 0 %	Substructure 7 - Good Condition			
Year Built 2005		Channel N - Not Applicable			
MN Year Reconstructed	Functional Class	Culvert N - Not Applicable			
FHWA Year Reconstructed	RDWY DIMENSIONS	NBI APPRAISAL RATINGS			
MN Temporary Status	If Divided NB-EB SB-WB	Structure Evaluation N			
Bridge Plan Location 3 - COUNTY	Roadway Width ft. ft.				
Date Opened to Traffic	Vertical Clearance ft. ft.	Deck Geometry N Underclearances 3			
On-Off System 0 - OFF	Max. Vert. Clear. ft. ft.				
Legislative District 55A	Horizontal Clear. ft. ft.	Water Adequacy N - Not Applicable Approach Alignment N - Not Applicable			
ABC Suitable	Lateral Clearance ft. ft.				
STRUCTURE	Appr. Surface Width ft.	SAFETY FEATURES			
Service On 2 - Railroad	Bridge Roadway Width ft.	Bridge Railing N - NOT REQUIRED			
Service Under 1 - Highway, w/ or w/out ped.	Median Width On Bridge ft.	GR Transition N - NOT REQUIRED			
Main Span Type	MISC. BRIDGE DATA	Appr. Guardrail N - NOT REQUIRED GR Termini N - NOT REQUIRED			
3 - Steel 05 - Thru Girder	Structure Flared 0 - No flare				
Main Span Detail	Parallel Structure N - No parallel structure	IN DEPTH INSP.			
Appr. Span Type	Field Conn. ID	Y/N Freq Date			
	Abutment Foundation 1 - CONC	Frac. Critical N			
Appr. Span Detail	(Material/Type) 3 - FTG PILE	Underwater N			
Skew 0	Pier Foundation N - N/A	Pinned Asbly. N			
Culvert Type	(Material/Type) N - N/A	Spec. Feat.			
Barrel Length ft.		WATERWAY			
Cantilever ID	Historic Status 5 - Not eligible	Drainage Area (sq. mi.)			
NUMBER OF SPANS	PAINT	Waterway Opening sq. ft. Navigation Control N - Not applicable, no waterway			
MAIN: 1 APPR: 0 TOTAL: 1	Year Painted 2005	Pier Protection			
Main Span Length 48.0 ft.	Unsound Paint %	Nav. Clr. (ft.) Vert. ft. Horiz. f			
Structure Length 54.8 ft.	Painted Area 68889 sq. ft.	Nav. Vert. Lift Bridge Clear. (ft.)			
Deck Width (Out-to-Out) 68.9 ft.	Primer Type E - Inorganic Zinc - 3309	MN Scour Code A - NON WATER' Year			
Deck Material 1 - Concrete Cast-in-Place	Finish Type M - Urethane	CAPACITY RATINGS			
Wear Surf Type N - Not Applicable (applies onl		Design Load 8 - RAILROAD			
Near Surf Install Year	BRIDGE SIGNS	•			
Wear Course/Fill Depth ft.	Posted Load 0 - Not Required	Operating Rating 5 - NRAP 88.2			
Deck Membrane 0 - None	Traffic 0 - Not Required	Inventory Rating 5 - NRAP 88.2			
Deck Rebars 0 - None	Horizontal 0 - Not Required	Posting VEH: SEMI: DBL:			
		Rating Date			
Deck Rebars Install Year	Vertical 0 - Not Required				
	Vertical 0 - Not Required	Minnesota Permit Codes			
Deck Rebars Install Year	Vertical 0 - Not Required	Minnesota Permit Codes A: N - N/A			
Deck Rebars Install Year Structure Area (Out-to-Out) 1152 sq. ft.	Vertical 0 - Not Required				

Minnesota Structure Inventory Report

Bridge ID: 62618 CP RAIL over STREET 69

Date: 09/07/2016

-	GENERAL+	+ R O A D W A Y +	+INSPECTION+
Agency Br. No.	Crew	Bridge Match ID (TIS)	Userkey 102
District	05 Maint. Area	Roadway O/U Key	Structurally Deficient N
County	062 - Ramsey	Route Sys Number	Functionally Obsolete N
City	Maplewood	Roadway Name or Description	Sufficiency Rating -2
Township			Routine Inspection Date 09/08/2016
Desc. Loc.	0.1 MI E OF JCT TH 49	Level of Service	Routine Inspection Frequency 12
Sect., Twp., Range	18 - 029N - 22W	Roadway Type	Inspector Name Essler, Brian
Latitude	44 • 59 ' 56.65 ''	Control Section (TH Only)	Status A - Open
Longitude	93 ° 6 ' 8.1 ''	Reference Point	
Custodian	27 - Railroad	Detour Length mi.	+NBI CONDITION RATINGS+
Owner	27 - Railroad	Lanes ON UNDER 2	Deck 7 Unsound
BMU Agreement		ADT YEAR	Superstructure 7 Deck %
Year Built	2005	HCADT ADTT %	Substructure 7
MN Year Reconstru	cted	Functional Class	Channel N
FHWA Year Recons			Culvert N
	us N - Not Applicable		+NBI APPRAISAL RATINGS+
Bridge Plan Locatio		+RDWY DIMENSIONS+	
Date Opened to Tra		If Divided NB-EB SB-WB	Structure Evaluation N
On - Off System		Roadway Width ft. ft.	Deck Geometry N
Legislative District	55A	Vertical Clearance ft. ft.	Underclearances 3
Potential ABC	2 - N/A	Max. Vert. Clear. ft. ft.	Waterway Adequacy N
		Horizontal Clear. ft. ft.	Approach Alignment N
+ 8	STRUCTURE+	Lateral Clearance ft. ft.	+SAFETY FEATURES+
Service On	2 - Railroad	Appr. Surface Width ft.	+SAFETT TEATOREST
Service Under	1 - Highway, w/ or w/out ped.	Bridge Roadway Width ft.	Bridge Railing N - NOT REQUIRED
Main Span Type	3 - Steel	Median Width On Bridge ft.	GR Transition N - NOT REQUIRED
Main Span Design	05 - Thru Girder		Appr. Guardrail N - NOT REQUIRED
Main Span Detail		+MISC. BRIDGE DATA+	GR Termini N - NOT REQUIRED
Appr. Span Type		Structure Flared 0 - No flare	+IN DEPTH INSP.+
Appr. Span Design		Parallel Structure N - No parallel structure	+IN DEFTH INSP.+
Appr. Span Detail		Field Conn. ID	Y/N Freq Date
Skew	0	Abutment 1 - CONC	Frac. Critical N
Culvert Type		Foundation (Material/Type) 3 - FTG PILE	Underwater N
Barrel Length		Diar Equination N. N/A	Pinned Asbly. N
Cantilever ID		Pier Foundation N - N/A (Material/Type)	Spec. Feat.
		N - N/A	+ W A T E R W A Y +
Nu	mber of Spans	Historic Status 5 - Not eligible	+WATERWAT+
MAIN: 1 AP	PR: 0 TOTAL:	_	Drainage Area (sq. mi.)
Main Span Length	48.0 ft.	+ P A I N T +	Waterway Opening (sf.)
Structure Length	54.8 ft.		Navigation Control N - Not applicable, no
Deck Width (Out-to-	Out) 68.9 ft.	Year Painted 2005	Pier Protection
Deck Material	1 - Concrete Cast-in-Place	Unsound Paint %	Nav. Clr. (ft.) Vert. 0.0 Horiz. 0.0
Wear Surf Type	N - Not Applicable (applies	Painted Area 68889 sq. ft.	Nav. Vert. Lift Bridge Clear. (ft.) 0
Wear Surf Install Ye	ar	Primer Type E - Inorganic Zinc - 3309	MN Scour Code A - NON Year
Wear Course/Fill De	epth ft.	Finish Type M - Urethane	+CAPACITY RATINGS+
Deck Membrane	0 - None		
Deck Rebars	0 - None	+ BRIDGE SIGNS+	Design Load 8 - RAILROAD
Deck Rebars Install	Year		Operating Rating 7 - RAILROAD 88.2
Structure Area (Out	-to-Out) 1152 sq. ft.	Posted Load 0 - Not Required	Inventory Rating 7 - RAILROAD 88.2
	b-to-Curb) sq. ft.	Traffic 0 - Not Required	Posting VEH: SEMI: DBL:
Roadway Area (Cur		Understall A Not Described	
Roadway Area (Cur Sidewalk Width 50	DA. Lt 0.00 ft. 50B. Rt 0.00 ft.	Horizontal 0 - Not Required	Rating Date
	DA. Lt 0.00 ft. 50B. Rt 0.00 ft. Lt ft. Rt ft.	Horizontal 0 - Not Required Vertical 0 - Not Required	Rating Date Overweight Permit Codes

MINNESOTA BRIDGE INSPECTION REPORT

10/	04/2	016
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CP RAIL OVER STREET 69 ROUTINE INSP. DATE: 09/08/2016 BRIDGE 62618 County: Ramsey Location: 0.1 MI E OF JCT TH 49 Length: 54.8 ft. City: Maplewood Route: Ref. Pt.: Deck Width: 68.9 ft. Control Section: Rdwy. Area/ Pct. Unsnd: sq. ft. / % Township: Township: 029N Range: 22W Maint. Area: Paint Area/ Pct. Unsnd: 68889 sq. ft. / % Section: 18 Span Type: 3 - Steel 3 - Girder and Floorbeam Local Agency Bridge Nbr .: Culvert: N/A System List: Postings: NBI Deck: 7 Super: 7 Sub: 7 Chan: Ν Culv: N Open, Posted, Closed: A - Open MN Scour Code: A - NON WATERWAY Ν Waterway: Ν Appraisal Ratings - Approach: **Unofficial Structurally Deficient** Ν Required Bridge Signs - Load Posting: 0 - Not Required Traffic: 0 - Not Required Unofficial Functionally Obsolete Ν Horizntal: 0 - Not Required Vertical: 0 - Not Required **Unofficial Sufficiency Rating** Ν ELEM QTY QTY QTY OTY OTY NBR ELEMENT NAME ENV REPORT TYPE INSP. DATE QUANTITY CS 1 CS 2 CS 3 CS 4 CS 5 Painted Steel Girder or Beam 102 LF 92 10 0 0 0 107 2 Routine 09/08/2016 102 LF 92 10 0 0 0 Routine 09/11/2015 Notes: [2012-2015] There are some minor scrapes visible underneath east painted steel girder. There is also some minor peeling of paint with corrosion present. 10% of the painted steel girder should be in condition state #2. [2008] The areas that had scrapes have been re-painted. [2006] There are minor but numerous scrapes on the east girder. [2006] On the east girder need to re-paint 5 LF and on the west girder need to re-paint 1 LF. [2005] Collision damage to the east girder. East girder has surface rust at traffic impact location. Repairs are recommended to the paint system. There are two 66" deep welded steel "Through Girders" that have pipe railing mounted on top. Painted Steel Floorbeam 440 LF 396 44 0 0 0 152 2 Routine 09/08/2016 0 440 LF 396 44 0 0 Routine 09/11/2015 Notes: [2012-2015] There is some peeling of paint with corrosion present. 10% of the painted steel floorbeam is rated in condition state #2. [2008] The scrapes have been re-painted. [2006] Minor scrapes due to collision damage at the east side. East side 12 LF of surface rust is forming. [2005] 1 LF of surface rust is forming. **Reinforced Concrete** 0 0 2 52 LF 26 N/A 215 Routine 09/08/2016 26 Abutment 52 LF 26 26 0 0 N/A Routine 09/11/2015 Notes: SOUTH ABUTMENT [2015] Minor paint failure on south abutment [2010-2015] There are numerous horizontal & vertical cracking on the south abutment. There is a 9' moderate full height crack at centerline of the south abutment. NORTH ABUTMENT [2015] Minor paint failure on north abutment [2011-2015] There are 30 LF of minor horizontal & vertical cracks on the north abutment. [2010-2015] There is 10 LF of minor vertical cracking on the north abutment at centerline. [2008-2015] There is a 12" scrape at west end of north abutment at bottom. [2005-2015] Minor to moderate spalls are present both abutments. 2 EA 2 0 0 311 Expansion Bearing 2 Routine 09/08/2016 N/A N/A 2 FA 2 0 0 N/A N/A Routine 09/11/2015 Notes: [2005-2015] Alignment is within limits, no sign of collision damage.

South abutment

	GE 62618 CP I									09/08/20 ⁻	
ELEM NBR	ELEMENT N	NAME	ENV	REPORT TYPE	INSP. DATE	QUANTITY	QTY CS 1	QTY CS 2	QTY CS 3	QTY CS 4	QTY CS 5
313	Fixed Bearing		2	Routine	09/08/2016	2 EA	2	0	0	N/A	N/A
				Routine	09/11/2015	2 EA	2	0	0	N/A	N/A
		otes: [2005-20 orth abutment		ment is within limits,	no sign of collisi	ion damage.					
34	Metal Bridge Railin or Painted)	ng (Coated	2	Routine	09/08/2016	220 LF	0	220	0	0	0
				Routine	09/11/2015	220 LF	0	220	0	0	0
	[2	2008-2013] The	ere is som	e is some minor corr ne minor chalking and ail type A and 100 LF	d chipping of pai	nt. Railing has b				9.	
62	Traffic Impact Sma	art Flag	2	Routine	09/08/2016	1 EA	1	0	0	N/A	N/A
02	Tranio impuor ona	art lug	2	Routine	09/11/2015	1 EA	1	0	0	N/A	N/A
						1 273	•	Ũ	Ũ		
				ic impact appears to has been re-painted		epair collision d	amage. So	ome collisic	on damage	in 2005.	
887	Reinforced Concre	ete Wingwall	2	Routine	09/08/2016	4 EA	0	4	0	0	N/A
				Routine	09/11/2015	4 EA	0	4	0	0	N/A
	[2 [2 [2 [2 [2 [2	2012-2015] The 2006-2015] The 2013-2014] NW 2006-2012] The	e SW wing SE wing / wingwal e NE wing e NW wing	has a minor 7'diagor gwall has a 12' diago wall contains minor (I has 3 5' minor diago gwall has a minor 6' o gwall has a 14' mode	nal crack at wing 6' vertical crack, onal cracks. liagonal, 3' diago	gwall drain + 2- 3' vertical crack onal, 3' diagona	4' minor di : and a 2' c I and a 6' r	liagonal cra ninor vertic	ack. al crack.	& vertical	crackinę
101	[2 [2 [2 [2 [2 [2 at	2012-2015] The 2006-2015] The 2013-2014] NW 2006-2012] The 2012-2014] The 2012-2014] The 2012-2014] The 2012-2014] The	e SW wing SE wing / wingwal e NE wing e NW wing	gwall has a 12' diago wall contains minor (I has 3 5' minor diago wall has a minor 6' c	nal crack at wing 6' vertical crack, onal cracks. liagonal, 3' diago	gwall drain + 2- 3' vertical crack onal, 3' diagona	4' minor di : and a 2' c I and a 6' r	liagonal cra ninor vertic	ack. al crack.	& vertical	cracking
-01	[2 [2 [2 [2 [2 at	2012-2015] The 2006-2015] The 2013-2014] NW 2006-2012] The 2012-2014] The 2012-2014] The 2012-2014] The 2012-2014] The	e SW wing e SE wing / wingwal e NE wing e NW wing	gwall has a 12' diago wall contains minor (I has 3 5' minor diago wall has a minor 6' c gwall has a 14' mode	nal crack at wing 6' vertical crack, onal cracks. liagonal, 3' diago rate vertical crac	gwall drain + 2- 3' vertical crack onal, 3' diagona ck, minor cracki	4' minor di and a 2' d and a 6' r ng at drain	liagonal cra ninor vertic and minor	ack. al crack. r horizontal		
-01	[2 [2 [2 [2 [2 at Steel Ballast Plate (Railroad Bridges)	2012-2015] The 2006-2015] The 2013-2014] NW 2006-2012] The 2012-2014] The 2012-2014] The 2012-2014] The 2012-2014] The 2012-2014] The 2013-20 2013-20 2013-20 2013-20	e SW wing e SE wing / wingwal e NE wing e NW wing 2 2 015] 10% llast clips	gwall has a 12' diago wall contains minor (I has 3 5' minor diago wall has a minor 6' c gwall has a 14' mode Routine	nal crack at wing 6' vertical crack, onal cracks. diagonal, 3' diago erate vertical crac 09/08/2016 09/11/2015 deck should be n state 1 937 SF	gwall drain + 2- 3' vertical crack onal, 3' diagona ck, minor cracki 1152 SF 1152 SF in condition sta	4' minor di and a 2' c and a 6' r ng at drain 1152 1152 te #2. Thei	liagonal cra ninor vertic and minor 0 0 0 re is some	ack. ral crack. r horizontal 0 0	0	0 0
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964	[2 [2 [2 [2 [2 at Steel Ballast Plate (Railroad Bridges) No pr [2 Critical Finding Sm	2012-2015] The 2006-2015] The 2013-2014] NW 2006-2012] The 2012-2014] The 2012-2014] The 2012-2014] The 2006-2012] The 2005-2013-20 2005-2011] No 2005-2011] No	e SW wing e SE wing / wingwal e NE wing e NW wing 2 015] 10% llast clips deteriora	gwall has a 12' diago wall contains minor diago wall contains minor diago wall has 3 5' minor diago wall has a minor 6' c gwall has a 14' mode Routine Routine of steel ballast plate are secure. Conditio tion of steel ballast p	nal crack at wing 6' vertical crack, biagonal, 3' diago erate vertical crack 09/08/2016 09/11/2015 deck should be n state 1 937 SF late deck. 09/08/2016	gwall drain + 2- 3' vertical crack onal, 3' diagona ck, minor cracki 1152 SF 1152 SF 1152 SF in condition stat 5. Condition stat 1 EA	4' minor di and a 2' c and a 6' r ng at drain 1152 1152 te #2. Ther e 2 115 Si 1	liagonal cra ninor vertic and minor 0 0 0 re is some - 0	ack. al crack. r horizontal 0 0 peeling of N/A	0 0 paint and c N/A	0
164	[2 [2 [2 [2 [2 [2 [2 at Steel Ballast Plate (Railroad Bridges) No pr [2 Critical Finding Sm	2012-2015] The 2006-2015] The 2013-2014] NW 2006-2012] The 2012-2014] The 2012-2014] The 2012-2014] The 2006-2012] The 2005-2013-20 2005-2011] No 2005-2011] No	e SW wing e SE wing / wingwal e NE wing e NW wing 2 015] 10% llast clips deteriora 2	gwall has a 12' diago wall contains minor diago wall contains minor diago wall has 3 5' minor diago gwall has a minor 6' c gwall has a 14' mode Routine Routine of steel ballast plate are secure. Condition tion of steel ballast plate Routine Routine Routine	nal crack at wing 6' vertical crack, biagonal, 3' diago erate vertical crac 09/08/2016 09/11/2015 deck should be n state 1 937 SF late deck. 09/08/2016 09/11/2015	gwall drain + 2- 3' vertical crack onal, 3' diagona ck, minor cracki 1152 SF 1152 SF in condition stat Condition stat 1 EA 1 EA	4' minor di and a 2' c and a 6' r ng at drain 1152 1152 te #2. Thei e 2 115 Sf 1 1	liagonal cra ninor vertic and minor 0 0 0 re is some - 0 0 0	ack. r horizontal 0 0 peeling of N/A N/A	0 0 paint and c N/A N/A	0 corrosio N/A N/A
01 964 981	[2 [2 [2 [2 [2 [2 [2 [2 [2 [2 [2 [2 [2 [2012-2015] The 2006-2015] The 2006-2015] The 2013-2014] NW 2012-2014] The 2012-2014] The 2012-2014] The 2012-2014] No Deck 2005-2011] No hart Flag otes: [2015] V 2012-2014] Ver	e SW wing e SE wing / wingwal e NE wing e NW wing 2 015] 10% llast clips deteriora 2 2 2 (ertical clear	gwall has a 12' diago wall contains minor diago wall contains minor diago wall has 3 5' minor diago wall has a minor 6' c gwall has a 14' mode Routine Routine of steel ballast plate are secure. Conditio tion of steel ballast p Routine Routine Routine Routine	nal crack at wing 6' vertical crack, biagonal, 3' diago erate vertical crack 09/08/2016 09/11/2015 deck should be n state 1 937 SF late deck. 09/08/2016 09/11/2015 09/08/2016 09/11/2015	gwall drain + 2- 3' vertical crack onal, 3' diagona ck, minor cracki 1152 SF 1152 SF in condition star Condition star 1 EA 1 EA 1 EA 1 EA	4' minor di and a 2' c l and a 6' r ng at drain 1152 1152 te #2. Ther e 2 115 SF 1 1 1 0 0 0	liagonal cra ninor vertic and minor 0 0 0 re is some 	ack. ral crack. r horizontal 0 0 0 peeling of N/A N/A 0 0	0 0 paint and c N/A N/A 1	0 0 corrosio N/A N/A 0

ROUTINE INSP. DATE: 09/08/2016

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
		There is 8' of behind the v SW slope be CLEARANC	of surface ru wingwalls 20 ehind wingw CE 10' 3" OV	n was completed by F Isting of diagonal bra 006. vall requires fill to dra VER ROADWAY ER BIKE PATH.	cing @ east side	e due to scrapes		as been fill	and landsc	caping insta	alled
58	8. Deck NBI:	Minor peelir	ng of paint w	ith corrosion presen	t in floor beam.						
36A. Brdg F	Railings NBI:	Railroad bri	dge								
36B. Trai	nsitions NBI:	Railroad bri	dge								
36C. Appr G	uardrail NBI:	Railroad bri	dge								
	opr Guardrail erminal NBI:	Railroad bri	dge								
59. Superst	tructure NBI:	Minor peelir	ng of paint w	ith corrosion presen	t. traffic impact d	amage to east o	girder				
60. Subst	tructure NBI:	Minor crack	ing on both	abutments							
61. C	Channel NBI:	Bridge not c	over waterwa	ау							
62.	Culvert NBI:	Bridge									
71. Waterwa	ay Adeq NBI:	Bridge not c	over waterwa	ау							
Ali	opr Roadway gnment NBI: entory Notes:	Railroad brid	dge								

Brian Essler

Inspector's Signature

Nicklaus Fischer

Reviewer's Signature

MINNESOTA BRIDGE INSPECTION REPORT

10/04/2016

Inspector: CO Bridge

BRIDGE 62618 CP RAIL OVER STREET 69

County	: Ramsey	Location: 0.1 MI	OF JCT TH 49		Length:		54.8 ft.		
City:	Maplewood	Route:	Ref. Pt.:		Deck Wid	th:	68.9 ft.		
Townsl	nip:	Control Section:			Rdwy. Are	ea/ Pct. Un	snd: sq. ft	./%	
Sectior	n: 18 Township: 029N Range: 22	2W Maint. Area:			Paint Area	a/ Pct. Uns	nd: 68889	9 sq. ft. / '	%
Span T List:	ype: 3 - Steel 3 - Girder and Floorbeam System	Local Agency Brid	lge Nbr.:		Culvert: Postings:	N/A			
NBI De	ck: 7 Super: 7 Sub: 7 Ch	an: N Culv: N			5.5				
	·	Open, Pos	sted, Closed: A	- Open					
		-	Code: A - NON	-					
Apprais	sal Ratings - Approach: N Waterway				Une	official Stru	cturally De	ficient	Ν
Require	ed Bridge Signs - Load Posting: 0 - Not R	equired	Traffic: 0 - I	Not Required	Une	official Fun	ctionally O	bsolete	Ν
	Horizntal: 0 - Not R	equired	Vertical: 0 - I	Not Required	Une	official Suff	iciency Ra	ting	Ν
ELEM NBR	ELEMENT NAME	REPORT TYPE	INSP. DATE	QUANTITY	QTY CS 1	QTY CS 2	QTY CS 3	QTY CS 4	
30	Steel Deck Corrugated/Orthotropic/Etc.	Routine	09/08/2016	1152 SF	1037	115	0	0	
00		Migrated Values	00/00/2010	1152 SF	1037	115	0	0	
	[2005-2011] No deterioration of steel 510 - Wearing Surfaces Notes: [2016] Ballast and tracks abov 515 - Steel Protective Coating	Routine Migrated Values	09/08/2016 09/08/2016	1152 SF 1152 SF 1152 SF 1152 SF	1152 1152 1037 1037	0 0 115 115	0 0 0	0 0 0	
	Notes: There is some peeling of paint	0	The ballast clip				-	-	115 SF
107	Steel Open Girder/Beam	Routine	09/08/2016	102 LF	92	10	0	0	
	Notes: [2016] Minor rust on east gird [2016] 2 Steel 50.5' Girders with a 5.9 [2012-2016] There are some minor so corrosion present. 10% of the painted [2008] The areas that had scrapes ha [2006] There are minor but numerous re-paint 1 LF. [2005] Collision damage to the east g There are two 66" deep welded steel	5' Web & a 2.85' Flang crapes visible undernea steel girder should be ve been re-painted. scrapes on the east g irder. East girder has s	ath east painted s in condition state irder. [2006] On t surface rust at tra	e #2. he east girder ffic impact loca	need to re-p ation. Repai	paint 5 LF a	and on the	west girc	ler need to
	515 - Steel Protective Coating	Routine	09/08/2016	8095 SF	7285	810	0	0	
		Migrated Values		8095 SF	7285	810	0	0	

Notes: [2016] 2 Steel 50.5' Girders with a 5.5' web & a 2.85' Flange. [(2X50.5'X4X2.85')+(2X50.5'X2X5.5')]= 8095 SF. Condition state 1 7285 SF. Condition state 2 810 SF

152	ELEMENT NAME	REPORT TYPE	INSP. DATE	QUANTITY	QTY CS 1	QTY CS 2	QTY CS 3	QTY CS 4				
	Steel Floor Beam	Routine Migrated Values	09/08/2016	440 LF 440 LF	396 396	44 44	0 0	0 0				
	Notes: [2016] 21-21' W 24 X 76 Steel Floor Beams with a 23.9" web & a 9" Flange. [2012-2016] There is some peeling of paint with corrosion present. 10% of the painted steel floorbeam is rated in condition state #2. [2008] The scrapes have been re-painted. [2006] Minor scrapes due to collision damage at the east side. East side 12 LF of surface rust is forming. [2005] 1 LF of surface rust is forming.											
	515 - Steel Protective Coating	Routine	09/08/2016	1854 SF	1669	185	0	0				
		Migrated Values		1854 SF	1669	185	0	0				
	Notes: [2016] 21-21' W 24 X 76 Stee state 1 1669 SF. Condition state 2 18 32-2.5' S18 X 54.7 and 8-2' S18 X 5 4-31.89' MC10 X22 Cross Braces. [(4	35 SF 4.7 Diaphragms. [(32X2	2.5'X3X0.5')+(8X	2'X3X0.5)+(32X								
15	Reinforced Concrete Abutment	Routine	09/08/2016	92 LF	26	66	0	0				
		Migrated Values		92 LF	26	66	0	0				
	[2005-2016] Minor to moderate spalls Wingwall notes: [2016] NW wingwall has a 14' modera corner. [2016] The SE wingwall contains min [2016] NE wingwall has a minor 7'dia	ate vertical crack, 2 - 5' or 6' vertical crack, 4' ve	& 1 - 7' minor dia	-		and 5' minc	or diagonal	cracksat the nor				
	[2012-2016] The SW wingwall has a [2013-2014] NW wingwall has a 14' n corner. [2013-2015] NE wingwall has a mino [2006-2015] The SE wingwall contair [2013-2014] NW wingwall has 3 5' mi [2006-2012] The NE wingwall has a r [2012-2014] The NW wingwall has a end.	12' diagonal crack at wi noderate vertical crack, r 7'diagonal, 2 3' diagor ns minor 6' vertical crack inor diagonal cracks. minor 6' diagonal, 3' dia	ingwall drain + 2- 3 - 5' minor diag hal, and a 7' verti k, 3' vertical crac gonal, 3' diagona	acks with rust. • 4' minor diagon onal cracks and cal cracks. k and a 2' diago al and a 6' mino	nal cracks. d a 3' 4' an onal crack. r vertical c	d 5' minor rack.	-					
	[2012-2016] The SW wingwall has a [2013-2014] NW wingwall has a 14' n corner. [2013-2015] NE wingwall has a mino [2006-2015] The SE wingwall contair [2013-2014] NW wingwall has 3 5' mi [2006-2012] The NE wingwall has a r [2012-2014] The NW wingwall has a end.	12' diagonal crack at wi noderate vertical crack, r 7'diagonal, 2 3' diagor ns minor 6' vertical crack inor diagonal cracks. minor 6' diagonal, 3' dia 14' moderate vertical cr	ingwall drain + 2- 3 - 5' minor diag hal, and a 7' verti k, 3' vertical crac gonal, 3' diagona ack, minor crack	acks with rust. • 4' minor diagon onal cracks and cal cracks. k and a 2' diago al and a 6' mino ing at drain and	nal cracks. d a 3' 4' an onal crack. r vertical c d minor hor	d 5' minor rack. rizontal & v	ertical crac	king at the north				
11	 [2012-2016] The SW wingwall has a [2013-2014] NW wingwall has a 14' n corner. [2013-2015] NE wingwall has a mino [2006-2015] The SE wingwall contair [2013-2014] NW wingwall has 3 5' mi [2006-2012] The NE wingwall has a n [2012-2014] The NW wingwall has a 	12' diagonal crack at wi noderate vertical crack, r 7'diagonal, 2 3' diagor is minor 6' vertical crack inor diagonal cracks. minor 6' diagonal, 3' dia 14' moderate vertical cr Routine	ingwall drain + 2- 3 - 5' minor diag hal, and a 7' verti k, 3' vertical crac gonal, 3' diagona	acks with rust. • 4' minor diagon onal cracks and cal cracks. k and a 2' diago al and a 6' mino cing at drain and 2 EA	nal cracks. d a 3' 4' an onal crack. r vertical c d minor hor 2	d 5' minor rack. rizontal & v	ertical crac	king at the north				
.11	[2012-2016] The SW wingwall has a [2013-2014] NW wingwall has a 14' n corner. [2013-2015] NE wingwall has a mino [2006-2015] The SE wingwall contair [2013-2014] NW wingwall has 3 5' mi [2006-2012] The NE wingwall has a r [2012-2014] The NW wingwall has a end.	12' diagonal crack at wi noderate vertical crack, r 7'diagonal, 2 3' diagor hs minor 6' vertical crack inor diagonal cracks. minor 6' diagonal, 3' dia 14' moderate vertical cr Routine Migrated Values hin limits, no sign of coll	ingwall drain + 2- 3 - 5' minor diag hal, and a 7' verti k, 3' vertical crac gonal, 3' diagona rack, minor crack 09/08/2016	acks with rust. • 4' minor diagon onal cracks and cal cracks. k and a 2' diago al and a 6' mino ing at drain and	nal cracks. d a 3' 4' an onal crack. r vertical c d minor hor	d 5' minor rack. rizontal & v	ertical crac	king at the north				
	[2012-2016] The SW wingwall has a [2013-2014] NW wingwall has a 14' n corner. [2013-2015] NE wingwall has a mino [2006-2015] The SE wingwall contair [2013-2014] NW wingwall has 3 5' mi [2006-2012] The NE wingwall has a r [2012-2014] The NW wingwall has a r end. Movable Bearing Notes: [2005-2016] Alignment is with	12' diagonal crack at wi noderate vertical crack, r 7'diagonal, 2 3' diagor hs minor 6' vertical crack inor diagonal cracks. minor 6' diagonal, 3' dia 14' moderate vertical cr Routine Migrated Values hin limits, no sign of coll	ingwall drain + 2- 3 - 5' minor diag hal, and a 7' verti k, 3' vertical crac gonal, 3' diagona rack, minor crack 09/08/2016	acks with rust. • 4' minor diagon onal cracks and cal cracks. k and a 2' diago al and a 6' mino cing at drain and 2 EA	nal cracks. d a 3' 4' an onal crack. r vertical c d minor hor 2	d 5' minor rack. rizontal & v	ertical crac	king at the north				
	 [2012-2016] The SW wingwall has a [2013-2014] NW wingwall has a 14' n corner. [2013-2015] NE wingwall has a mino [2006-2015] The SE wingwall contair [2013-2014] NW wingwall has 3 5' mi [2006-2012] The NE wingwall has a r [2012-2014] The NW wingwall has a r [2012-2014] The NW wingwall has a end. Movable Bearing Notes: [2005-2016] Alignment is with North abutment Pot type bearing ass	12' diagonal crack at wi noderate vertical crack, r 7'diagonal, 2 3' diagon is minor 6' vertical crack inor diagonal cracks. minor 6' diagonal, 3' dia 14' moderate vertical cr Routine Migrated Values hin limits, no sign of coll embly	ingwall drain + 2- 3 - 5' minor diag hal, and a 7' verti k, 3' vertical crac gonal, 3' diagona rack, minor crack 09/08/2016 ision damage.	acks with rust. • 4' minor diagon onal cracks and cal cracks. k and a 2' diago al and a 6' mino cing at drain and 2 EA 2 EA	nal cracks. d a 3' 4' an onal crack. r vertical c d minor hor 2 2 2	d 5' minor rack. rizontal & v 0 0	ertical crac	king at the north 0 0				
	 [2012-2016] The SW wingwall has a [2013-2014] NW wingwall has a 14' n corner. [2013-2015] NE wingwall has a mino [2006-2015] The SE wingwall contair [2013-2014] NW wingwall has 3 5' mi [2006-2012] The NE wingwall has a r [2012-2014] The NW wingwall has a r [2012-2014] The NW wingwall has a end. Movable Bearing Notes: [2005-2016] Alignment is with North abutment Pot type bearing ass	12' diagonal crack at wi noderate vertical crack, r 7'diagonal, 2 3' diagor is minor 6' vertical crack inor diagonal cracks. minor 6' diagonal, 3' dia 14' moderate vertical cr Routine Migrated Values nin limits, no sign of coll embly Routine Migrated Values nits, Bearing seat is detes , no sign of collision da	ingwall drain + 2- 3 - 5' minor diag nal, and a 7' verti k, 3' vertical crac gonal, 3' diagona rack, minor crack 09/08/2016 ision damage. 09/08/2016 eriorating.	acks with rust. - 4' minor diagon ional cracks and cal cracks. k and a 2' diagon al and a 6' mino cing at drain and 2 EA 2 EA 2 EA	nal cracks. d a 3' 4' an onal crack. r vertical c d minor hor 2 2 2 0	d 5' minor rack. rizontal & v 0 0 2	ertical crad	king at the north 0 0 0				
313	 [2012-2016] The SW wingwall has a [2013-2014] NW wingwall has a 14' n corner. [2013-2015] NE wingwall has a minoi [2006-2015] The SE wingwall contain [2013-2014] NW wingwall has 3 5' mi [2006-2012] The NE wingwall has a r [2012-2014] The NW wingwall has a r and. Movable Bearing Notes: [2005-2016] Alignment is with North abutment Pot type bearing ass Fixed Bearing Notes: [2016] Alignment is within limits 	12' diagonal crack at wi noderate vertical crack, r 7'diagonal, 2 3' diagor is minor 6' vertical crack inor diagonal cracks. minor 6' diagonal, 3' dia 14' moderate vertical cr Routine Migrated Values nin limits, no sign of coll embly Routine Migrated Values nits, Bearing seat is detes , no sign of collision da	ingwall drain + 2- 3 - 5' minor diag nal, and a 7' verti k, 3' vertical crac gonal, 3' diagona rack, minor crack 09/08/2016 ision damage. 09/08/2016 eriorating.	acks with rust. - 4' minor diagon ional cracks and cal cracks. k and a 2' diagon al and a 6' mino cing at drain and 2 EA 2 EA 2 EA	nal cracks. d a 3' 4' an onal crack. r vertical c d minor hor 2 2 2 0	d 5' minor rack. rizontal & v 0 0 2	ertical crad	king at the north 0 0 0				
311 313 330	 [2012-2016] The SW wingwall has a [2013-2014] NW wingwall has a 14' n corner. [2013-2015] NE wingwall has a mino [2006-2015] The SE wingwall contain [2013-2014] NW wingwall has 3 5' mi [2006-2012] The NE wingwall has a r [2012-2014] The NW wingwall has a r end. Movable Bearing Notes: [2005-2016] Alignment is with North abutment Pot type bearing ass Fixed Bearing Notes: [2016] Alignment is within limits South abutment Pot type bearing ass 	12' diagonal crack at wi noderate vertical crack, r 7'diagonal, 2 3' diagon is minor 6' vertical crack inor diagonal cracks. minor 6' diagonal, 3' dia 14' moderate vertical cr Routine Migrated Values nin limits, no sign of coll embly Routine Migrated Values nits, Bearing seat is detes no sign of collision da sembly	ingwall drain + 2- 3 - 5' minor diag hal, and a 7' verti k, 3' vertical crac gonal, 3' diagona rack, minor crack 09/08/2016 ision damage. 09/08/2016 eriorating. mage.	acks with rust. 4' minor diagon ional cracks and cal cracks. k and a 2' diagon al and a 6' mino cing at drain and 2 EA 2 EA 2 EA 2 EA 2 EA	nal cracks. d a 3' 4' an onal crack. r vertical c d minor hor 2 2 2 0 0	d 5' minor rack. rizontal & v 0 0 2 2 2	ertical crad	king at the north				
13	 [2012-2016] The SW wingwall has a [2013-2014] NW wingwall has a 14' n corner. [2013-2015] NE wingwall has a mino [2006-2015] The SE wingwall contain [2013-2014] NW wingwall has 3 5' mi [2006-2012] The NE wingwall has a r [2012-2014] The NW wingwall has a r end. Movable Bearing Notes: [2005-2016] Alignment is with North abutment Pot type bearing ass Fixed Bearing Notes: [2016] Alignment is within limits South abutment Pot type bearing ass 	12' diagonal crack at wi noderate vertical crack, r 7'diagonal, 2 3' diagor is minor 6' vertical crack minor 6' diagonal cracks. minor 6' diagonal, 3' dia 14' moderate vertical cr Routine Migrated Values nin limits, no sign of coll embly Routine Migrated Values nits, Bearing seat is dete s, no sign of collision da sembly Routine Migrated Values nits, Bearing seat is dete s, no sign of collision da sembly Routine Migrated Values ninor corrosion present alking and chipping of p	ingwall drain + 2- 3 - 5' minor diag nal, and a 7' verti k, 3' vertical crac gonal, 3' diagona rack, minor crack 09/08/2016 ision damage. 09/08/2016 eriorating. mage. 09/08/2016 @ center post or aint. Railing has	acks with rust. 4' minor diagon ional cracks and cal cracks. k and a 2' diagon al and a 6' mino cing at drain and 2 EA 2 E	nal cracks. d a 3' 4' an onal crack. r vertical c d minor hor 2 2 2 0 0 0 0 0 0 0 0 0 0	d 5' minor rack. rizontal & v 0 0 0 2 2 2 2 2 2 2 0 5 bridge.	ertical crad 0 0 0 0	king at the north				
:13	 [2012-2016] The SW wingwall has a [2013-2014] NW wingwall has a 14' n corner. [2013-2015] NE wingwall has a mino [2006-2015] The SE wingwall contair [2013-2014] NW wingwall has 3 5' mi [2006-2012] The NE wingwall has a r [2012-2014] The NW wingwall has a r end. Movable Bearing Notes: [2005-2016] Alignment is with North abutment Pot type bearing ass Fixed Bearing Notes: [2016] Alignment is within limits South abutment Pot type bearing ass Metal Bridge Railing Notes: [2013-2016] There is some minor charge 	12' diagonal crack at wi noderate vertical crack, r 7'diagonal, 2 3' diagor is minor 6' vertical crack minor 6' diagonal cracks. minor 6' diagonal, 3' dia 14' moderate vertical cr Routine Migrated Values nin limits, no sign of coll embly Routine Migrated Values nits, Bearing seat is dete s, no sign of collision da sembly Routine Migrated Values nits, Bearing seat is dete s, no sign of collision da sembly Routine Migrated Values ninor corrosion present alking and chipping of p	ingwall drain + 2- 3 - 5' minor diag nal, and a 7' verti k, 3' vertical crac gonal, 3' diagona rack, minor crack 09/08/2016 ision damage. 09/08/2016 eriorating. mage. 09/08/2016 @ center post or aint. Railing has	acks with rust. 4' minor diagon ional cracks and cal cracks. k and a 2' diagon al and a 6' mino cing at drain and 2 EA 2 E	nal cracks. d a 3' 4' an onal crack. r vertical c d minor hor 2 2 2 0 0 0 0 0 0 0 0 0 0	d 5' minor rack. rizontal & v 0 0 0 2 2 2 2 2 2 2 0 5 bridge.	ertical crad 0 0 0 0	king at the north				

ELEM NBR	ELEN	IENT NAME	REPORT TYPE	INSP. DATE	QUANTITY	QTY CS 1	QTY CS 2	QTY CS 3	QTY CS 4	
800	Critical Deficienc	ies or Safety Hazards	Routine Migrated Values	09/08/2016	1 EA 1 EA	1 1	0 0	0 0	0 0	
	Notes: No criti	cal structural deficiencies	s or serious safety ha	zards are prese	nt on this struct	ure.				
880	Impact Damage		Routine	09/08/2016	1 EA 1 EA	1	0 0	0 0	0 0	
		2016 Traffic impact appe perstructure has been re-		repair collision		·	-	-	0	
890	Load Posting or V Signing	/ertical Clearance	Routine	09/08/2016	1 EA	0	0	1	0	
			Migrated Values		1 EA	0	0	1	0	
	[2012-2014] Ve	2016] Vertical clearance ertical clearance signs sh ne under clearance is 10'	ould be posted near			ersection.				
892	Slopes & Slope F	Protection	Routine	09/08/2016	1 EA	0	1	0	0	
			Migrated Values		1 EA	0	1	0	0	
	Notes: Minor s	settlement of the slopes								
894	Deck & Approach	n Drainage	Routine	09/08/2016	1 EA	1	0	0	0	
			Migrated Values		1 EA	1	0	0	0	
	Notes: Draina	ge is in good condition a	nd functioning as inte	nded						
900	Protected Specie	s	Routine	09/08/2016	1 EA	1	0	0	0	
			Migrated Values		1 EA	1	0	0	0	
	Notes: No pro	tected species found on	this structure.							
	General Notes:	[2016] Bridge safety ins [2015] Bridge safety ins [2013] Bridge safety ins [2013] Bridge safety ins [2012] Bridge safety ins 2011 Bridge safety ins 2010 Bridge safety ins 2008 Bridge safety insp 2008 Bridge safety insp Collision damage has b Low clearance indicato Bridge safety inspection There is 8' of surface ru behind the wingwalls 20 SW slope behind wingw CLEARANCE 10' 3" OV	spection was complet spection was complet spection was complet spection was complet bection was complete bection was complete been repaired 2008. rs have been installer n was completed by E usting of diagonal bra 006. wall requires fill to dra VER ROADWAY	ed by B Essler & ed by D Bodelso ed by B Essler & ed by Bret Wiem d by Bret Wiem d by Bret Wiema d by Bret Wiema d over roadway Bret Wieman 10/ cing @ east side	 D Bodelson 9- on & B. Essler 9 D Bodelson 9- nan 10/31/2012 an 10/31/2011. an 11/03/2010. an 9/22/2008. 15' west and 30 17/2006. a due to scrapes 	-11-2015. -22-2014. -26-2013. - ' east of th s. There ha	•		caping installe	ed
	58. Deck NBI:	Minor peeling of paint v	vith corrosion present	t in floor beam.						
36A. E	Brdg Railings NBI:	Railroad bridge								
36E	8. Transitions NBI:	Railroad bridge								
36C. Ap	opr Guardrail NBI:	Railroad bridge								
36	D. Appr Guardrail Terminal NBI:	Railroad bridge								
59. Sı	perstructure NBI:	Minor peeling of paint v	vith corrosion present	t. traffic impact d	amage to east	girder				
60.	Substructure NBI:	Minor cracking on both	abutments							
	61. Channel NBI:	Bridge not over waterw	ay							
	62. Culvert NBI:	Bridge								
71. Wa	terway Adeq NBI:	Bridge not over waterw	ay							

ELEM NBR	ELEMENT NAME	REPORT TYPE	INSP. DATE	QUANTITY	QTY CS 1	QTY CS 2	QTY CS 3	QTY CS 4	
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72. Appr Roadway Railroad bridge Alignment NBI:

Inventory Notes:

Brian Essler

Inspector's Signature

Nicklaus Fischer Reviewer's Signature

Pictures



Photo 1 - 62618 NW WW



Photo 2 - 62618 Top

Pictures



Photo 3 - 62618 West side



Photo 4 - Southeast bearing 2016

Pictures



Photo 5 - Southwest bearing 2016