2016 ROUTINE BRIDGE INSPECTION REPORT



BRIDGE # 62569 CSAH 46(CLEVELAND) over CP RAIL

DISTRICT: Metro COUNTY: Ramsey CITY/TOWNSHIP: Arden Hills

STATE: Minnesota

Date of Inspection: 10/05/2016

Equipment Used:

Owner: County Highway Agency

Inspected By: Essler, Brian

Report Written By: Brian Essler

Report Reviewed By: Nicklaus Fischer

Final Report Date: 12/02/2016



Table of Contents

SECTION	PAGE
COVER	1
STRUCTURE INVENTORY	2
ELEMENTS	3
PICTURES	7

Minnesota Structure Inventory Report

Bridge ID: 62569 CSAH 46 over CP RAIL (CLEVELAND) Date: 10/04/2016

(CLEVELAND)		
+ G E N E R A L +	+ R O A D W A Y +	+INSPECTION+
Agency Br. No. Crew	Bridge Match ID (TIS) 0	Userkey 102
District 05 Maint. Area	Roadway O/U Key Route On Structure	Structurally Deficient N
County 062 - Ramsey	Route Sys 04 - CSAH Number 46	Functionally Obsolete N
City Arden Hills	Roadway Name or Description	Sufficiency Rating 98.7
Township	CSAH 46	Routine Inspection Date 10/05/2016
Desc. Loc. 0.5 MI S OF JCT CSAH 73	Level of Service 1 - MAINLINE	Routine Inspection Frequency 24
Sect., Twp., Range 28 - 030N - 23W	Roadway Type 2 - 2-way traffic	Inspector Name Essler, Brian
Latitude 45 ° 3 ' 1.34 "	Control Section (TH Only)	Status A - Open
Longitude 93 ° 11 ' 15.99 "	Reference Point 011+00.298	+NBI CONDITION RATINGS+
Custodian 02 - County Highway Agency	Detour Length 1.0 mi.	Deck 7 Unsound
Owner 02 - County Highway Agency	Lanes ON 2 UNDER 0	Deck %
BMU Agreement	ADT 3287 YEAR 2008	
Year Built 2001	HCADT ADTT %	Substructure 8
MN Year Reconstructed	Functional Class 16 - Urban - Minor Arterial	Channel N
FHWA Year Reconstructed		Culvert N
MN Temporary Status	+RDWY DIMENSIONS+	+NBI APPRAISAL RATINGS+
Bridge Plan Location 3 - COUNTY		Chryster Evaluation 7
Date Opened to Traffic	If Divided NB-EB SB-WB	Structure Evaluation 7 Deck Geometry 5
On - Off System 1 - ON	Roadway Width 39.40 ft. ft.	
Legislative District 50B	Vertical Clearance ft. ft.	Underclearances 6
Potential ABC 2 - N/A	Max. Vert. Clear. ft. ft.	Waterway Adequacy N
+STRUCTURE+	Horizontal Clear. 39.3 ft. ft.	Approach Alignment 7
	Lateral Clearance ft. ft.	+SAFETY FEATURES+
Service On 5 - Highway-pedestrian	Appr. Surface Width 40.0 ft.	Puides Polling 4 MEETS STANDARDS
Service Under 2 - Railroad	Bridge Roadway Width 39.4 ft.	Bridge Railing 1 - MEETS STANDARDS
Main Span Type 2 - Concrete Continuous	Median Width On Bridge ft.	GR Transition 0 - SUBSTANDARD
Main Span Design 09 - Slab Span	+MISC. BRIDGE DATA+	Appr. Guardrail 1 - MEETS STANDARDS GR Termini 1 - MEETS STANDARDS
Main Span Detail Appr. Span Type	Structure Flared 0 - No flare	GR Termini 1 - MEE 13 3 TANDARDS
Appr. Span Type Appr. Span Design	Parallel Structure N - No parallel structure	+IN DEPTH INSP.+
Appr. Span Detail	Field Conn. ID	Y/N Freq Date
Skew 0	Abutment 1 - CONC	Frac. Critical N
Culvert Type	Foundation 2 ETC DILE	Underwater N
Barrel Length	(Material/Type)	Pinned Asbly. N
Cantilever ID	Pier Foundation N - N/A	Spec. Feat.
Cantile Ver 15	(Material/Type) N - N/A	Opec. i cat.
Number of Spans	Historic Status 5 - Not eligible	+ W A T E R W A Y +
MAIN: 1 APPR: 0 TOTAL:	nistoric status 5 - Not eligible	Drainage Area (cg. mi.)
Main Span Length 41.0 ft.	+ P A I N T +	Drainage Area (sq. mi.)
Structure Length 46.9 ft.	1	Waterway Opening (sf.) Navigation Control N - Not applicable, no
Deck Width (Out-to-Out) 48.8 ft.	Year Painted	Pier Protection _
Deck Material 1 - Concrete Cast-in-Place	Unsound Paint %	Nav. Clr. (ft.) Vert. 0.0 Horiz. 0.0
Wear Surf Type 6 - Bituminous	Painted Area sq. ft.	Nav. Vert. Lift Bridge Clear. (ft.)
Wear Surf Install Year	Primer Type	MN Scour Code A - NON Year 2001
Wear Course/Fill Depth 0.30 ft.	Finish Type	TEB
Deck Membrane 0 - None		+CAPACITY RATINGS+
Deck Rebars 1 - Epoxy Coated Reinforcing	+BRIDGE SIGNS+	Design Load 9 - HS 25 (OR GREATER)
Deck Rebars Install Year 2001		Operating Rating 2 - HS TRUCK 42.9
Structure Area (Out-to-Out) 2282 sq. ft.	Posted Load 0 - Not Required	Inventory Rating 2 - HS TRUCK 25.0
Roadway Area (Curb-to-Curb) 1851 sq. ft.	Traffic 0 - Not Required	Posting VEH: SEMI: DBL:
Sidewalk Width 50A. Lt 0.00 ft. 50B. Rt 6.60 ft.	Horizontal 0 - Not Required	Rating Date 1/18/2000
Curb Height Lt 0.67 ft. Rt 0.00 ft.	Vertical N - Not Applicable	Overweight Permit Codes
Rail Type Lt 28 Rt 28		A N - N/A B N - N/A C N - N/A

MINNESOTA BRIDGE INSPECTION REPORT

12/02/2016

Inspector: CO Bridge

BRIDGE 62569 CSAH 46(CLEVELAND) OVER CP RAIL

County:	Ramsey	Location:	0.5 MI S OF	JCT CSAH 73	Length:	46.9 ft.
City:	Arden Hills	Route: 04	- CSAH 46	Ref. Pt.: 011+00.298	Deck Width:	48.8 ft.

Township: Control Section: Rdwy. Area/ Pct. Unsnd: 1851 sq. ft. / % Section: 28 Township: 030N Range: 23W Maint. Area: Paint Area/ Pct. Unsnd: sq. ft. / %

Span Type: 2 - Concrete Continuous 1 - Slab N/A Local Agency Bridge Nbr.: Culvert:

List: Postings:

NBI Deck: 7 Super: 7 Chan: N Culv: N Sub: 8

Open, Posted, Closed: A - Open

MN Scour Code: A - NON WATERWAY

Appraisal Ratings - Approach: Waterway:

Unofficial Structurally Deficient Ν Required Bridge Signs - Load Posting: 0 - Not Required Traffic: 0 - Not Required Unofficial Functionally Obsolete N

Horizntal: 0 - Not Required Vertical: N - Not Applicable **Unofficial Sufficiency Rating** 98.7

ELEM NBR	ELEMENT NAME	REPORT TYPE	INSP. DATE	QUANTITY	QTY CS 1	QTY CS 2	QTY CS 3	QTY CS 4	
38	Reinforced Concrete Slab	Routine	10/05/2016	2282 SF	2236	0	46	0	
		Migrated Values		2282 SF	2236	0	46	0	
	Notes: [2010-2016] There is a longitu [2003-2016] There are 4 cracks with e [2001-2016] Minor cracking at corners	fflorescence at south e	end and 4 cracks	with effloresce		th end.			

[2001-2016] Minor cracking at corners of soffit & abutment with

510 - Wearing Surfaces Routine 10/05/2016 1851 SF 1814 0 37 0 1851 SF 1814 37 0 Migrated Values

Notes: Concrete Slab with Cathodic Protection System Notes: [2012-2016] Distress area is under 2% (still in condition state #2).

[2010-2016] There is 100 LF of minor cracking. There are 2- diagonal cracks at the NW & SW corners. One diagonal crack at the SE corner and 2 diagonal cracks at the NE corner.

[2010-2016]There is some edge spalling @ north side near centerline.

[2008-2016] Minor cracking with spalling & scaling present on both sides. West

0 Reinforced Concrete Abutment 279 LF 0 215 Routine 10/05/2016 0 279 0 Migrated Values 279 LF 0 279 0

Notes: [2016] Graffiti has been painted over. New graffiti on south abutment.

[2016] Abutments are 49 LF, Wing Walls SE 41 LF, SW 48 LF, NE 44 LF & NW 48 LF

[2010-2016] 98 LF in condition state 2. Approximately 80 LF of horizontal & vertical cracking.

[2010-2016] North abutment contains 1 full height vert. crack + 10' vert. crack + 6' vert. crack & 9' horizontal crack.

[2008-2016] There is a 6' scrape in the north abutment.

[2010-2016] South abutment contains two- 12' and one- 10' vertical cracks.

[2012] Graffiti on both abutments.

Wingwall notes: [2016] Graffiti has been painted over.

[2014-2016] 2 - 3' minor cracks in NE wing

[2010-2016] Minor cracking (2-4' horizontal cracks+ 1-4' vert. crack, 1- vert. crack full ht) w/rusting at SW corner. SW WW also contains moderate spalls.

[2010-2016] NW abutment wing has minor horizontal cracking & a 10' vertical crack with efflorescence.

[2012-2016] SE and NE wing walls have a 10' vertical crack with efflorescence.

[2003-2014] Graffiti on NW & SW abutment wing.

Pourable Joint Seal 75 LF 51 24 0 0 301 Routine 10/05/2016 75 LF 0 0 Migrated Values 51 24

Notes: [2016] 16' on north & 8' on south joint seal has minor adhesion & cohesion failure...

[2001-2016] Joint seal is showing signs of distress.

[2004-2016] Minor adhesion & cohesion failure.

BRIDGE 62569 CSAH 46(CLEVELAND) OVER CP RAIL

NBR	ELEMENT NAME	REPORT TYPE	INSP. DATE	QUANTITY	QTY CS 1	QTY CS 2	QTY CS 3	QTY CS 4
21	Reinforced Concrete Approach Slab	Routine	10/05/2016	2400 SF	2200	200	0	0
		Migrated Values		2400 SF	2200	200	0	0
	Notes: [2016] Approach slab length is [2016] There is a 1' moderate - 0.5' ma [2008-2016] The south approach has s [2006-2016] South approach slab has of longitudinal cracking. [2008-2016] Moderate settlement of bit patching. [2014] There is a moderate - major spa	ijor spall at the south a spalling at east & west 2- 30' and 1- 20' crack tuminous approach ro	approach slab ar sides. ss. The north apparadway both ends	nd deck joint. Proach slab has s at approach s		•	•	
30	Metal Bridge Railing	Routine	10/05/2016	276 LF	248	28	0	0
		Migrated Values		276 LF	248	28	0	0
	Notes: [2010-2016] Some chalking of [2016] 143.37 LF West side, 132.22 LF East side type P-1 conc. rail & structure des. mod. T-3.	East side	edesign mod. T-3	3. West side mo	od. P-3 con	c. rail & str	uctural tub	e railing w/fence
	515 - Steel Protective Coating	Routine	10/05/2016	1550 SF	1395	155	0	0
		Migrated Values		1550 SF	1395	155	0	0
	Notes: [2010-2016] Some chalking of p [2016] West [(2.21'+5.87')/2X(2X6.65')] East side type P-1 conc. rail & structure des. mod. T-3.]+[5.87̈'X130.08']. Eas		3. West side mo		c. rail & str		
31	Reinforced Concrete Bridge Railing	Routine	10/05/2016	279 LF	0	279	0	0
	at the NW corner from plow. There is re [2010-2016] Major spall at the SE corn [2008-2016] Vertical cracking in betwee East side type P-1 conc. rail & structure des. mod. T-3.	er bottom rail and one en joints with modera	e Moderate spall. te spalling on bot	h sides.	od. P-3 con	c. rail & str		
							uctural tub	e railing w/fence
00	Critical Deficiencies or Safety Hazards	Routine	10/05/2016	1 EA	1	0	ructural tub	e railing w/fence
00	Critical Deficiencies or Safety Hazards		10/05/2016					
00	Critical Deficiencies or Safety Hazards Notes: NO CRITICAL FINDINGS OBS	Migrated Values		1 EA 1 EA	1	0	0	0
		Migrated Values		1 EA 1 EA	1	0	0	0
	Notes: NO CRITICAL FINDINGS OBS	Migrated Values SERVED DURING TH Routine	E LAST INSPEC	1 EA 1 EA TION.	1	0	0	0 0
	Notes: NO CRITICAL FINDINGS OBS	Migrated Values SERVED DURING TH Routine Migrated Values	E LAST INSPEC 10/05/2016	1 EA 1 EA TION. 125 LF 125 LF	1 1 0 0	0 0 125 125	0 0 0	0 0 0
10	Notes: NO CRITICAL FINDINGS OBS Concrete Decks - Cracking & Sealing	Migrated Values SERVED DURING TH Routine Migrated Values	E LAST INSPEC 10/05/2016 derate unsealed of	1 EA 1 EA TION. 125 LF 125 LF	1 1 0 0	0 0 125 125	0 0 0	0 0 0
10	Notes: NO CRITICAL FINDINGS OBS Concrete Decks - Cracking & Sealing Notes: [2012 - 2016] There is a total o	Migrated Values SERVED DURING TH Routine Migrated Values f 125 LF minor to mod	E LAST INSPEC 10/05/2016	1 EA 1 EA TION. 125 LF 125 LF deck cracks (m	1 1 0 0 0 ostly horizo	0 0 125 125 ontal cracki	0 0 0 0 0 ing @ corn	0 0 0 0 ers).
10	Notes: NO CRITICAL FINDINGS OBS Concrete Decks - Cracking & Sealing Notes: [2012 - 2016] There is a total o	Migrated Values SERVED DURING TH Routine Migrated Values f 125 LF minor to mod Routine Migrated Values	E LAST INSPEC 10/05/2016 derate unsealed of 10/05/2016	1 EA 1 EA TION. 125 LF 125 LF deck cracks (m 1 EA 1 EA	1 1 0 0 ostly horizo	0 0 125 125 ontal cracki	0 0 0 0 ing @ corn	0 0 0 0 ers).
91	Notes: NO CRITICAL FINDINGS OBS Concrete Decks - Cracking & Sealing Notes: [2012 - 2016] There is a total of Other Bridge Signing	Migrated Values SERVED DURING TH Routine Migrated Values f 125 LF minor to mod Routine Migrated Values	E LAST INSPEC 10/05/2016 derate unsealed of the control of the c	1 EA 1 EA TION. 125 LF 125 LF deck cracks (m 1 EA 1 EA	1 1 0 0 ostly horizo	0 0 125 125 ontal cracki	0 0 0 0 ing @ corn	0 0 0 0 ers).
91	Notes: NO CRITICAL FINDINGS OBS Concrete Decks - Cracking & Sealing Notes: [2012 - 2016] There is a total o Other Bridge Signing Notes: [2003-2016] Horizontal clearan	Migrated Values SERVED DURING TH Routine Migrated Values f 125 LF minor to mod Routine Migrated Values ce signs are in place Routine	E LAST INSPEC 10/05/2016 derate unsealed of 10/05/2016	1 EA 1 EA TION. 125 LF 125 LF deck cracks (m 1 EA 1 EA	1 1 0 0 0 ostly horizo	0 0 125 125 ontal cracki 0 0	0 0 0 0 ing @ corn 0	0 0 0 0 ers).
91	Notes: NO CRITICAL FINDINGS OBS Concrete Decks - Cracking & Sealing Notes: [2012 - 2016] There is a total o Other Bridge Signing Notes: [2003-2016] Horizontal clearan	Migrated Values SERVED DURING TH Routine Migrated Values f 125 LF minor to mod Routine Migrated Values ce signs are in place Routine Migrated Values ment of material at th	E LAST INSPECT 10/05/2016 derate unsealed of 10/05/2016 and functioning properties 10/05/2016 de abutments.	1 EA 1 EA TION. 125 LF 125 LF deck cracks (m 1 EA 1 EA properly.	1 0 0 ostly horizo	0 0 125 125 ontal cracki 0 0	0 0 0 0 ing @ corn 0	0 0 0 ers).
91	Notes: NO CRITICAL FINDINGS OBS Concrete Decks - Cracking & Sealing Notes: [2012 - 2016] There is a total of Other Bridge Signing Notes: [2003-2016] Horizontal clearant Slopes & Slope Protection Notes: [2008-2016] Some minor settles	Migrated Values SERVED DURING TH Routine Migrated Values f 125 LF minor to mod Routine Migrated Values ce signs are in place Routine Migrated Values ment of material at th	E LAST INSPECT 10/05/2016 derate unsealed of 10/05/2016 and functioning properties 10/05/2016 de abutments.	1 EA 1 EA TION. 125 LF 125 LF deck cracks (m 1 EA 1 EA properly.	1 0 0 ostly horizo	0 0 125 125 ontal cracki 0 0	0 0 0 0 ing @ corn 0	0 0 0 ers).
91 92	Notes: NO CRITICAL FINDINGS OBS Concrete Decks - Cracking & Sealing Notes: [2012 - 2016] There is a total of Other Bridge Signing Notes: [2003-2016] Horizontal clearant Slopes & Slope Protection Notes: [2008-2016] Some minor settle [2008-2016] There is moderate erosion	Migrated Values SERVED DURING TH Routine Migrated Values of 125 LF minor to mode Routine Migrated Values ce signs are in place Routine Migrated Values ment of material at the at all abutment wing	E LAST INSPECT 10/05/2016 derate unsealed of 10/05/2016 and functioning processing 10/05/2016 de abutments. Sof the bridge.	1 EA 1 EA TION. 125 LF 125 LF deck cracks (m 1 EA 1 EA properly. 1 EA 1 EA	1 0 0 0 ostly horizo	0 0 125 125 ontal cracki 0 0	0 0 0 0 ing @ corn 0 0	0 0 0 ers).

71. Waterway Adeq NBI:

72. Appr Roadway Alignment NBI:

Inventory Notes: Bridge # 62569 was constructed in 2000.

ELEM NBR	ELEM	IENT NAME	REPORT TYPE	INSP. DATE	QUANTITY	QTY CS 1	QTY CS 2	QTY CS 3	QTY CS 4
394	Deck & Approach	n Drainage	Routine	10/05/2016	1 EA	1	0	0	0
JO 4			Migrated Values	10/00/2010	1 EA	1	0	0	0
	[2002-2016] D	rainage system is wo	rate erosion at all abutme	_	oridge.				
395	Sidewalk, Curb, 8	& Median	Routine	10/05/2016	1 EA	0	1	0	0
			Migrated Values		1 EA	0	1	0	0
	[2006-2016] Cr [2001-2016] Tr [2010] Void @ [2008] Major se	NE corner has been	s minor deterioration. dewalk and the curb 115' filled- will monitor the sic er. There is a settlement	lewalk.			ewalk. [200	08] Modera	te settlement @ N
900	Protected Specie	es	Routine	10/05/2016	1 EA	1	0	0	0
	-		Migrated Values		1 EA	1	0	0	0
	Notes: [2016]	There is no protected	d species living on this st	ructure.					
	O N - 4	[0040] Duislans f-4		adha D. Faalaa	and D. Dadalaa	- 40/5/004	^		
	General Notes:	[2014] Bridge safet [2012] Bridge safet [2012] Cap blocks f [2003-2012] Bitumi bridge on the east s [2000-2006] There [2010] Bridge safet [2010-2012] Settler bit. approach north [2008] Bridge safety Bridge # 62569 was [2000-2006] There	y inspection was compley inspection was compley inspection was compley inspection was compley for modular block retaining nous is settling at several side. It is settlement of the curby inspection was complement of bituminous @ no of bridge on the east sidy inspection was completed inspection was completed in settlement of the curb is constructed in 2000.	ted by D. Bodels ted by B. Wiemang wall located at a locations south a sidewalk south ted by B. Wiemangth approach slate. The side by B. Paine, d by Bret Wiemangth approach slate.	on and B. Esslen and D. Bodels the NE corner of the bridge on 10/18/2010. b requires bitum B. Wieman and Dan Boden	r 10/10/20 con 10/22/sare missin in the east in the east sinous pate B. Essler elson. 11/	114. 2012. g. side. Also s side. ching. Som 10/29/2008 13/2006.	e cracking	
	General Notes: 58. Deck NBI:	[2014] Bridge safet [2012] Bridge safet [2012] Cap blocks f [2003-2012] Bitumi bridge on the east s [2000-2006] There [2010] Bridge safet [2010-2012] Settler bit. approach north [2008] Bridge safety Bridge # 62569 was [2000-2006] There	y inspection was complety inspection was completed for modular block retaining nous is settling at several side. It is settlement of the curby inspection was completed in settlement of the curb	ted by D. Bodels ted by B. Wiemang wall located at a locations south a sidewalk south ted by B. Wiemangth approach slate. The side by B. Paine, d by Bret Wiemangth approach slate.	on and B. Esslen and D. Bodels the NE corner of the bridge on 10/18/2010. b requires bitum B. Wieman and Dan Boden	r 10/10/20 con 10/22/sare missin in the east in the east sinous pate B. Essler elson. 11/	114. 2012. g. side. Also s side. ching. Som 10/29/2008 13/2006.	e cracking	
36A. E		[2014] Bridge safet [2012] Bridge safet [2012] Cap blocks f [2003-2012] Bitumi bridge on the east s [2000-2006] There [2010] Bridge safet [2010-2012] Settler bit. approach north [2008] Bridge safety Bridge # 62569 was [2000-2006] There	y inspection was complety inspection was completed for modular block retaining nous is settling at several side. It is settlement of the curby inspection was completed in settlement of the curb	ted by D. Bodels ted by B. Wiemang wall located at a locations south a sidewalk south ted by B. Wiemangth approach slate. The side by B. Paine, d by Bret Wiemangth approach slate.	on and B. Esslen and D. Bodels the NE corner of the bridge on 10/18/2010. b requires bitum B. Wieman and Dan Boden	r 10/10/20 con 10/22/sare missin in the east in the east sinous pate B. Essler elson. 11/	114. 2012. g. side. Also s side. ching. Som 10/29/2008 13/2006.	e cracking	
	58. Deck NBI:	[2014] Bridge safet [2012] Bridge safet [2012] Cap blocks f [2003-2012] Bitumi bridge on the east s [2000-2006] There [2010] Bridge safet [2010-2012] Settler bit. approach north [2008] Bridge safety Bridge # 62569 was [2000-2006] There	y inspection was complety inspection was completed for modular block retaining nous is settling at several side. It is settlement of the curby inspection was completed in settlement of the curb	ted by D. Bodels ted by B. Wiemang wall located at a locations south a sidewalk south ted by B. Wiemangth approach slate. The side by B. Paine, d by Bret Wiemangth approach slate.	on and B. Esslen and D. Bodels the NE corner of the bridge on 10/18/2010. b requires bitum B. Wieman and Dan Boden	r 10/10/20 con 10/22/sare missin in the east in the east sinous pate B. Essler elson. 11/	114. 2012. g. side. Also s side. ching. Som 10/29/2008 13/2006.	e cracking	
36B	58. Deck NBI: Brdg Railings NBI:	[2014] Bridge safet [2012] Bridge safet [2012] Cap blocks f [2003-2012] Bitumi bridge on the east s [2000-2006] There [2010] Bridge safet [2010-2012] Settler bit. approach north [2008] Bridge safety Bridge # 62569 was [2000-2006] There	y inspection was complety inspection was completed for modular block retaining nous is settling at several side. It is settlement of the curby inspection was completed in settlement of the curb	ted by D. Bodels ted by B. Wiemang wall located at a locations south a sidewalk south ted by B. Wiemangth approach slate. The side by B. Paine, d by Bret Wiemangth approach slate.	on and B. Esslen and D. Bodels the NE corner of the bridge on 10/18/2010. b requires bitum B. Wieman and Dan Boden	r 10/10/20 con 10/22/sare missin in the east in the east sinous pate B. Essler elson. 11/	114. 2012. g. side. Also s side. ching. Som 10/29/2008 13/2006.	e cracking	
36B 6C. Ap	58. Deck NBI: Brdg Railings NBI: 3. Transitions NBI:	[2014] Bridge safet [2012] Bridge safet [2012] Cap blocks f [2003-2012] Bitumi bridge on the east s [2000-2006] There [2010] Bridge safet [2010-2012] Settler bit. approach north [2008] Bridge safety Bridge # 62569 was [2000-2006] There	y inspection was complety inspection was completed for modular block retaining nous is settling at several side. It is settlement of the curby inspection was completed in settlement of the curb	ted by D. Bodels ted by B. Wiemang wall located at a locations south a sidewalk south ted by B. Wiemangth approach slate. The side by B. Paine, d by Bret Wiemangth approach slate.	on and B. Esslen and D. Bodels the NE corner of the bridge on 10/18/2010. b requires bitum B. Wieman and Dan Boden	r 10/10/20 con 10/22/sare missin in the east in the east sinous pate B. Essler elson. 11/	114. 2012. g. side. Also s side. ching. Som 10/29/2008 13/2006.	e cracking	
36B 6C. Ap 36	58. Deck NBI: Brdg Railings NBI: B. Transitions NBI: Opr Guardrail NBI: D. Appr Guardrail	[2014] Bridge safet [2012] Bridge safet [2012] Cap blocks f [2003-2012] Bitumi bridge on the east s [2000-2006] There [2010] Bridge safet [2010-2012] Settler bit. approach north [2008] Bridge safety Bridge # 62569 was [2000-2006] There	y inspection was complety inspection was completed for modular block retaining nous is settling at several side. It is settlement of the curby inspection was completed in settlement of the curb	ted by D. Bodels ted by B. Wiemang wall located at a locations south a sidewalk south ted by B. Wiemangth approach slate. The side by B. Paine, d by Bret Wiemangth approach slate.	on and B. Esslen and D. Bodels the NE corner of the bridge on 10/18/2010. b requires bitum B. Wieman and Dan Boden	r 10/10/20 con 10/22/sare missin in the east in the east sinous pate B. Essler elson. 11/	114. 2012. g. side. Also s side. ching. Som 10/29/2008 13/2006.	e cracking	
36B 6C. Ap 36 59. St	58. Deck NBI: Brdg Railings NBI: B. Transitions NBI: Opr Guardrail NBI: D. Appr Guardrail Terminal NBI:	[2014] Bridge safet [2012] Bridge safet [2012] Cap blocks f [2003-2012] Bitumi bridge on the east s [2000-2006] There [2010] Bridge safet [2010-2012] Settler bit. approach north [2008] Bridge safety Bridge # 62569 was [2000-2006] There	y inspection was complety inspection was completed for modular block retaining nous is settling at several side. It is settlement of the curby inspection was completed in settlement of the curb	ted by D. Bodels ted by B. Wiemang wall located at a locations south a sidewalk south ted by B. Wiemangth approach slate. The side by B. Paine, d by Bret Wiemangth approach slate.	on and B. Esslen and D. Bodels the NE corner of the bridge on 10/18/2010. b requires bitum B. Wieman and Dan Boden	r 10/10/20 con 10/22/sare missin in the east in the east sinous pate B. Essler elson. 11/	114. 2012. g. side. Also s side. ching. Som 10/29/2008 13/2006.	e cracking	
36B 36C. Ap 36 59. St 60. s	58. Deck NBI: Brdg Railings NBI: 5. Transitions NBI: opr Guardrail NBI: D. Appr Guardrail Terminal NBI: uperstructure NBI:	[2014] Bridge safet [2012] Bridge safet [2012] Cap blocks f [2003-2012] Bitumi bridge on the east s [2000-2006] There [2010] Bridge safet [2010-2012] Settler bit. approach north [2008] Bridge safety Bridge # 62569 was [2000-2006] There	y inspection was complety inspection was completed for modular block retaining nous is settling at several side. It is settlement of the curby inspection was completed in settlement of the curb	ted by D. Bodels ted by B. Wiemang wall located at a locations south a sidewalk south ted by B. Wiemangth approach slate. The side by B. Paine, d by Bret Wiemangth approach slate.	on and B. Esslen and D. Bodels the NE corner of the bridge on 10/18/2010. b requires bitum B. Wieman and Dan Boden	r 10/10/20 con 10/22/sare missin in the east in the east sinous pate B. Essler elson. 11/	114. 2012. g. side. Also s side. ching. Som 10/29/2008 13/2006.	e cracking	

5

BRIDGE 62569 CSAH 46(CLEVELAND) OVER CP RAIL

ELEM NBR	ELEMENT NAME	REPORT TYPE	INSP. DATE	QUANTITY	QTY CS 1	QTY CS 2	QTY CS 3	QTY CS 4	
	Brian Essler		_			klaus Fis			
	Inspector's Signature				Revi	ewer's Sig	nature		

Pictures



Photo 1 - 62569 No Abut



Photo 2 - 62569 So Abut

Pictures



Photo 3 - 62569 So Approach



Photo 4 - 62569 Top

Pictures



Photo 5 - 62569 West Side