2015 ROUTINE BRIDGE INSPECTION REPORT



BRIDGE # 62623 CSAH 16 over WEST VADNAIS SWAMP

DISTRICT: Metro COUNTY: Ramsey CITY/TOWNSHIP: Vadnais Heights

Date(s) of Inspection: 10/09/2015

Equipment Used:

Owner: County Highway Agency

Inspected By: Essler, Brian

Report Written By: Brian Essler

Report Reviewed By: Nicklaus Fischer

Final Report Date: 01/05/2016

MnDOT Bridge Office 3485 Hadley Avenue North Oakdale, MN 55128



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MnDOT Structure Inventory Report

over WEST VADNAIS SWAMP **Bridge ID: 62623** Date: 01/05/2016 CSAH 16 **GENERAL** INSPECTION **ROADWAY** Bridge Match ID (TIS) 0 Userkey 102 Agency Br. No. **District** Metro Roadway O/U Key Route On Structure Unofficial Structurally Deficient N Maint. Area Crew Route Sys 04 - CSAH Number 16 Unofficial Functionally Obsolete N County 062 - Ramsey **Roadway Name or Description Unofficial Sufficiency Rating** 97.0 City Vadnais Heights **Routine Inspection Date** 10/09/2015 CSAH 16 **Township** Level of Service 1 - MAINLINE **Routine Inspection Frequency** 12 Desc. Loc. 0.1 MI E OF RICE ST Inspector Name County, Ramsey Roadway Type 2 - 2-way traffic Sect., Twp., Range 33 - 030N - 22W **Status** A - Open Control Section (TH Only) **Deg** 45 Min 2 Sec 48.21 Latitude Reference Point 000+00.051 **NBI CONDITION RATINGS** Longitude Deg 93 **Sec** 16.94 Min 6 Deck **Detour Length** 7 - Good Condition 0.0 Custodian 02 - County Highway Agency **Unsound Deck %** Lanes **On** 2 Under 0 Owner 02 - County Highway Agency Superstructure 8 - Very Good Condition **ADT** 3900 2012 Year **BMU Agreement** Substructure 8 - Very Good Condition ADTT 0 HCADT n Year Built 2008 Channel N - Not Applicable Functional Class 16 - Urban - Minor Arterial **MN Year Reconstructed** Culvert N - Not Applicable **RDWY DIMENSIONS FHWA Year Reconstructed NBI APPRAISAL RATINGS** SR-WR If Divided **NB-EB MN Temporary Status** Structure Evaluation 8 Roadway Width 34.0 ft. ft. **Bridge Plan Location** 3 - COUNTY **Deck Geometry** Vertical Clearance ft. **Date Opened to Traffic Underclearances** Max. Vert. Clear. ft. ft. **On-Off System** 1 - ON Water Adequacy 8 - Bridge Above Approache Horizontal Clear. 34.0 ft. Legislative District 54B Approach Alignment 5 - Somewhat better than m Lateral Clearance ft. ft. **STRUCTURE SAFETY FEATURES** Appr. Surface Width 32.0 ft. Service On 1 - Highway **Bridge Railing** 1 - MEETS STANDARDS **Bridge Roadway Width** 34 0 ft. Service Under 0 - Other **GR Transition** 0 - SUBSTANDARD Median Width On Bridge Main Span Type Appr. Guardrail 0 - SUBSTANDARD MISC. BRIDGE DATA 5 - Prestress or Precast 01 - Beam Span **GR Termini** 1 - MEETS STANDARDS Structure Flared 1 - Flared Main Span Detail IN DEPTH INSP. Parallel Structure N - No parallel structure Appr. Span Type Y/N Freq Date Field Conn. ID Frac. Critical Appr. Span Detail Abutment Foundation 1 - CONC Underwater (Material/Type) 3 - FTG PILE Skew Pinned Asblv. **Culvert Type** 1 - CONC Pier Foundation Spec. Feat. **Barrel Length** ft (Material/Type) 3 - FTG PILE WATERWAY **Cantilever ID Historic Status** 5 - Not eligible Drainage Area (sq. mi.) NUMBER OF SPANS **Waterway Opening PAINT** APPR: 0 MAIN: 5 Navigation Control N - Not applicable, no waterw TOTAL: 5 Year Painted **Pier Protection** Main Span Length 77.5 ft. **Unsound Paint %** Nav. Clr. (ft.) Vert. ft. Horiz. ft. Structure Length 374 8 ft Painted Area sq. ft. Nav. Vert. Lift Bridge Clear. (ft.) Deck Width (Out-to-Out) 37.3 ft. **Primer Type** MN Scour Code A - NON WATER' Year **Deck Material** 1 - Concrete Cast-in-Place Finish Type **CAPACITY RATINGS** 4 - Low Slump Concrete **Wear Surf Type** Wear Surf Install Year 2008 **Design Load** A - HL 93 **BRIDGE SIGNS** Wear Course/Fill Depth 0.17 Operating Rating 1 - LF (LF) HS 38.4 Posted Load 0 - Not Required Deck Membrane 0 - None Inventory Rating 1 - LF (LF) HS 20.6 Traffic 0 - Not Required **Deck Rebars** 1 - Epoxy Coated Reinforcing Posting VEH: DBL: Horizontal 0 - Not Required **Deck Rebars Install Year** 2008 Rating Date 04/03/2015 Structure Area (Out-to-Out) sq. ft. Vertical 0 - Not Required **MnDOT Permit Codes** Roadway Area (Curb-to-Curb) 18113 sq. ft. A: N - N/A Sidewalk Width **Lt** 0 ft. Rt 0 ft. B: N - N/A **Curb Height** Lt 0.00 ft. Rt 0.00 ft.

Rail Type

Lt 21

Rt 21

C: N - N/A

MnDOT Structure Inventory Report

Additional Roadways

Bridge ID: 62623 CSAH 16 over WEST VADNAIS SWAMP Date: 01/05/2016

MnDOT BRIDGE INSPECTION REPORT

01/05/2016

Inspector: County, Ramsey

BRIDGE 62623	ROUTINE INSP. DATE: 10/09/2015								
County: Ramsey		Location: 0.1	MI E OF RICE ST		Length:	3	74.8 ft.		
City: Vadnais I	Heights	Route: 04 - CS	SAH 16 Ref. Pt.: (000+00.051	Deck Wid	th:	37.3 ft.		
Township:			Rdwy. Area/ Pct. Unsnd: 18113 sq. ft. / %						
Section: 33 Tov	vnship: 030N Rang	e: 22W Maint. Area:			Paint Area	a/ Pct. Uns	ind: sq. ft	t. / %	
Span Type: 5 - Prestr List: Stringer/N	essed Concrete 02 - Iulti-beam or Girder	Local Agency	Bridge Nbr.:		Culvert: Postings:	N/A			
NBI Deck: 7 Sup	per: 8 Sub: 8	Chan: N Culv:	N						
		Open	Posted, Closed: A	- Open					
Annuaisal Datings As			cour Code: A - NON	WATERWAY					
Appraisal Ratings - Ap		erway: 8	red Traffic: 0 - Not Required				icturally De		N
Required Bridge Sign	S - Load Posting. 0 - N Horizntal: 0 - N	·					ctionally C		N o= o
	HOHZIIIai. U - I	Not Required	vertical. 0 -	Not Required	Un	official Suf	ficiency Ra	iting S	97.0
Structure Unit:									
ELEM NBR ELEME	ENT NAME E	NV REPORT TY	PE INSP. DATE	QUANTITY	QTY CS 1	QTY CS 2	QTY CS 3	QTY CS 4	QTY CS 5
109 Prestressed (Concrete Girder	2 Routine	10/09/2015	2144 LF	1608	536	0	0	N/A
		Routine	10/13/2014	2144 LF	1608	536	0	0	N/A
	Requires Mo	nitoring	Monitored	1					
	BEAM AT PIER #3	RE IS SOME MINOR - I							
215 Reinforced C Abutment	oncrete	2 Routine	10/09/2015	103 LF	103	0	0	0	N/A
Abdinoni		Routine	10/13/2014	103 LF	103	0	0	0	N/A
	Requires Mo	nitoring	Monitored	I					
	THE BACKWALL	5] SOME MINOR VER' OF ABUT. E MINOR CRACKING				SENT NO	RTH ABU	TMENT. A	LSO ON
234 Reinforced C	oncrete Pier Cap	2 Routine	10/09/2015	215 LF	185	30	0	0	N/A
		Routine	10/13/2014	215 LF	215	0	0	0	N/A
	☐ Requires Mo	onitoring	Monitored	I					
	efflorescence. [2015] There is gra [2014] There is a 1 [2013-2014] THEF	10' horizantal cracks or RE IS A 3' VERTICAL C CKING AT PIER #3 EA	each side of pier cap RACK ON EAST FA	o 3 east end. SCIA OF PIEF	R CAP 3.	·			ALSO

ROUTINE INSP. DATE: 10/09/2015

Structu	ıre Unit:										
ELEM NBR	ELEMEN	IT NAME	ENV	REPORT TYPE	INSP. DATE	QUANTITY	QTY CS 1	QTY CS 2	QTY CS 3	QTY CS 4	QTY CS 5
300	Strip Seal Deck	Joint	2	Routine	10/09/2015	96 LF	96	0	0	N/A	N/A
				Routine	10/13/2014	96 LF	96	0	0	N/A	N/A
		Requires Monitoring			Monitored	I					
		Notes: [2013 [2009-2013]	3-2015] SRT THERE IS N	IP SEAL FILLED WI IO DETERIORATIO	TH DEBRIS , NE N OF STRIP SEA	ED TO BE CLE L WATERPRO	ANED AN	ID FLUSHE D. EXPAN	ED. SION JOIN	IT DEVICE	TYPE 5.
310	Elastomeric (E) Bearing	rpansion)	2	Routine	10/09/2015	10 EA	10	0	0	N/A	N/A
				Routine	10/13/2014	10 EA	10	0	0	N/A	N/A
		Require	s Monitorii	ng	Monitored	I					
				RINGS ARE IN GOO THE ELASTOMERI		AND FUNCTIO	NING PRO	OPERLY.			
313	Fixed Bearing		2	Routine	10/09/2015	46 EA	46	0	0	N/A	N/A
010	i med zedinig		_	Routine	10/13/2014	46 EA	46	0	0	N/A	N/A
		Require	s Monitorii	ng	Monitored	l					
		Notes: [2009 FUNCTIONII		FIXED BEARINGS NDED.	ARE FREE OF D	EBRIS AND A	RE WITHO	OUT CORR	OSION. TI	HE BEARII	NGS ARE
321	Concrete Approach 2 Routine Slab-Concrete Wearing Surface		Routine	10/09/2015	2 EA	0	2	0	0	N/A	
	Curiaco			Routine	10/13/2014	2 EA	0	2	0	0	N/A
		Require	s Monitorii	ng	Monitored	İ					
		[2009-2015] [2012-2015]	THERÉ IS A THE NW AP AMINATION	SOUTH APPROAC MAJOR 6" SPALL A PROACH SLAB HA NEAR THE CB AT AB.	AT SW CORNER S 23- 15" LONGI	OF SOUTH AF	PPROACH CKS AT T	I SLAB. HE EXPAN	ISION JOI	NT. THERE	E IS
331	Reinforced Cor Railing	crete Bridge	2	Routine	10/09/2015	816 LF	408	408	0	0	N/A
	rtaining			Routine	10/13/2014	816 LF	408	408	0	0	N/A
		Require	s Monitorii	ng	Monitored	l					
		W/EFFLORE	SCENCE B	IN CONDITION ST ETWEEN JOINTS. PE P-4 RAILING WI	THERE ARE NU	MEROUS MINO	OR SPALL				IDGE
358	Concrete Deck	Cracking	2	Routine	10/09/2015	1 EA	1	0	0	0	N/A
	Smart Flag			Routine	10/13/2014	1 EA	1	0	0	0	N/A
		Require	s Monitorii		Monitored	I					
		Notes: [2013 [2009-2015]	3-2015] THE THERE ARE	19 RE ARE 330 LF OF ENUMEROUS BUT EXTENDING INTO	MINOR CRACKS	S IN SB LANE A					

ROUTINE INSP. DATE: 10/09/2015

Structu	ure Unit:										
ELEM NBR	ELEMEN	T NAME	ENV	REPORT TYPE	INSP. DATE	QUANTITY	QTY CS 1	QTY CS 2	QTY CS 3	QTY CS 4	QTY CS 5
359	Underside of Co Smart Flag	oncrete Deck	2	Routine	10/09/2015	1 EA	0	1	0	0	0
	Omare riag			Routine	10/13/2014	1 EA	0	1	0	0	0
		Requires	Monitorir	ng	Monitored	l					
	Notes: [2011-2015] THERE IS A 12' MINOR- MODERATE CRACK WITH EFFLORESCENCE AT CENTERLINE PIER #2. [2011-2015] THERE ARE 100 LF OF MINOR DIAGONAL & TRANSVERSE CRACKING W/EFFLORESCENCE. [2009-2010] THERE ARE 20 LF OF DIAGONAL CRACKING W/EFFLORESCENCE AT EAST SIDE PIER #1. THERE ARE 30 LF OF TRANSVERSE CRACKING NORTH SIDE OF JOINT AT PIER #1.										
377	Low Slump O/L Deck with Epox		2	Routine	10/09/2015	19998 SF	0	19998	0	0	0
				Routine	10/13/2014	19998 SF	0	19998	0	0	0
		Requires Monitoring Monitored									
	Secondary Stru	PIER #1. [2009-2015] M [2009-2014] TI TRANSVERSE COURSE WAS	ODERATE HERE IS S E CRACKS S INSTALL		DUND SPAN #1. . MINOR SPALLI THE DECK FRO	NG THROUGH	1OUT. [20	09-2015] TI	HERE ARE	MINOR	
380	Elements	ciurai	2	Routine Routine	10/09/2015 10/13/2014	1 EA	1	0	0	0	N/A
			Manitari				'	U	U	U	IN/A
		Requires Monitoring Monitored Notes: [2010-2015] STEEL DIAPHRAGMS (2860 TOTAL) HAVE NO DETERIORATION AND IN PROPER ALIGNMENT.									
382	Cast-In-Place (0	CIP) Piling	2	Routine	10/09/2015	26 EA	26	0	0	0	N/A
				Routine	10/13/2014	26 EA	26	0	0	0	N/A
		Requires	Monitorir	ng	Monitored	I					
			O DETERI	RE IS SOME CHIPP ORATION OF PAIN							LOR
387	Reinforced Con	crete Wingwall	2	Routine	10/09/2015	4 EA	3	1	0	0	N/A
				Routine	10/13/2014	4 EA	3	1	0	0	N/A
		Requires	Monitorir	ng	Monitored	I					
				IE MODERATE SPA CANT DETERIORA					IW WING \	WALL.	

ROUTINE INSP. DATE: 10/09/2015

Struct	ure Unit:										
ELEM NBR	ELEMEN	T NAME	ENV	REPORT TYPE	INSP. DATE	QUANTITY	QTY CS 1	QTY CS 2	QTY CS 3	QTY CS 4	QTY CS 5
409	Chain Link Fend	се	2	Routine	10/09/2015	816 LF	816	0	0	0	0
				Routine	10/13/2014	816 LF	816	0	0	0	0
		Requires	Monitorir	ng	Monitored	Monitored					
				IDITION STATE #1. ARE MISSING ON T		NCE HAS LITT	LE DETER	RIORATION	I. BLACK \	/INYL COA	ATED
964	Critical Finding	Smart Flag	2	Routine	10/09/2015	1 EA	1	0	N/A	N/A	N/A
				Routine	10/13/2014	1 EA	1	0	N/A	N/A	N/A
		Requires	Monitorir	ng	Monitored	d					
		Notes: DO N	OT DELETE	E THIS CRITICAL F	INDING SMART	FLAG.					
965	Concrete Shear Smart Flag	Cracking	2	Routine	10/09/2015	1 EA	1	0	0	0	N/A
	Omartriag			Routine	10/13/2014	1 EA	1	0	0	0	N/A
		Requires	Monitorir	ng	Monitored	d					
		Notes:									
981	Signing		2	Routine	10/09/2015	1 EA	1	0	0	0	0
				Routine	10/13/2014	1 EA	1	0	0	0	0
		Requires	Monitorir	ng	Monitored	d					
		Notes: [2009	-2015] ALL	REQUIRED SIGNIN	IG IS PRESENT	AND IS IN GOO	DD CONDI	TION.			
982	Approach Guard	drail	2	Routine	10/09/2015	1 EA	0	1	0	N/A	N/A
002			_	Routine	10/13/2014	1 EA	0	1	0	N/A	N/A
		Requires	s Monitorir	ng	Monitored	i					
		Notes: [2015 [2013-2014] ([2012] THER [2011] NEED AT THE SE (] SPACER E GUARDRAIL E IS SEVER SOME MIN CORNER.	BLOCKS ARE TWIS L HAS BEEN REPA RE COLLISION DAN OR REPAIR TO GL LIS IN GOOD CON	IREDAT SE COR IAGE AT THE SE JARDRAIL SYST	NER. GUARDF CORNER- RE EM AT SE COF	RAIL IS IN PAIRS AR RNER OF I	GOOD CO RE RECOM BRIDGE. T	NDITION. MENDED. HE GUARI	DRAIL IS L	
984	Deck & Approac	ch Drainage	2	Routine	10/09/2015	1 EA	1	0	0	N/A	N/A
				Routine	10/13/2014	1 EA	1	0	0	N/A	N/A
		Requires	Monitorir	ng	Monitored	d					
		Notes: [2009	-2015] DRA	INAGE SYSTEM IS	FUNCTIONING	PROPERLY.					

Struct	ure Unit:										
ELEM NBR	ELEMEN	Г NAME	ENV	REPORT TYPE	INSP. DATE	QUANTITY	QTY CS 1	QTY CS 2	QTY CS 3	QTY CS 4	QTY CS 5
985	Slopes & Slope	Protection	2	Routine	10/09/2015	1 EA	1	0	0	N/A	N/A
				Routine	10/13/2014	1 EA	1	0	0	N/A	N/A
		Requires	s Monitori	ng	Monitored	d					
				RE IS SOME SETTL SOME SETTLEMENT						IER.	
986	Curb & Sidewalk	•	2	Routine	10/09/2015	1 EA	1	0	0	N/A	N/A
900	ours a oldewall	`	2	Routine	10/09/2013	1 EA	1	0	0	N/A	N/A
		Requires	s Monitori	ng	Monitored	j					
		Notes: [2014	I-2015] The THERE IS <i>F</i>	re is numerous mode A MAJOR SPALL ON				REST OF T	HE CURB	IS IN GOO)D
	General Notes:	[2014] 2014 Inspection	4 bridge safe dated 10-02	ety inspection was co ety inspection was co -2013 by Brian Essle SAFETY INSPECTIO	ompleted by Briar er and Dan Bodel	n Essler and Da son and was er	n Bodelsontered by M	on on 10-13 MnDOT Bri	-2014. dge Office.		
	58. Deck NBI:	Minor crack	king and lea	ching							
36A.	Brdg Railings NBI:	Type P-4									
36	B. Transitions NBI:										
36C. A	ppr Guardrail NBI:										
36	6D. Appr Guardrail Terminal NBI:		ed 30 MPH	Tangent terminal and	d Quadguard imp	act attenuator					
59. S	uperstructure NBI:	Minor Spall	s and rustin	g of beams							
60.	Substructure NBI:	Minor crack	king and spa	alls							
	61. Channel NBI:	No waterwa	ay								
	62. Culvert NBI:	Bridge									
71. Wa	aterway Adeq NBI:	No waterwa	ay								
-	72. Appr Roadway Alignment NBI:		d reduction	due to grade at bridg	je.						
	Inventory Notes:										
		D: - :						=			
	Ins	Brian Essle spector's Sign			-			cklaus Fis iewer's Sig			



Photo 1 - NW Atten



Photo 2 - NW Cor



Photo 3 - Pier 1



Photo 4 - West Appr



Photo 5 - West Side



Photo 6 - attenuater



Photo 7 - east side



Photo 8 - EB1



Photo 9 - EB2



Photo 10 - SW Corner South Approach Slab



Photo 11 - Overlay South side Pier #1 WB



Photo 12 - WB1



Photo 13 - WB2

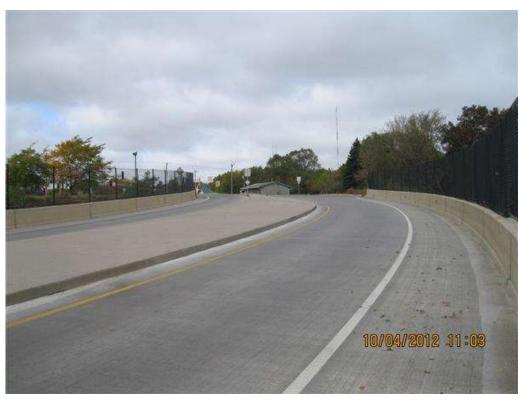


Photo 14 - WB3



Photo 15 - West Bridge Rail



Photo 16 - West Bridge Rail



Photo 17 - west side



Photo 18 - west side1



Photo 19 - west side3



Photo 20 - west side4



Photo 21 - west side6



1. 62623 NW Atten.JPG



2. 62623 NW Cor.JPG





4. 62623 West Appr.JPG



5. 62623 West Side.JPG



6. attenuater.JPG



7. east side.JPG



8. EB1.JPG



9. EB2.JPG



10. SW Corner South Approach Slab.JPG



11. Overlay South side Pier #1 WB.JPG



12. WB1.JPG



13. WB2.JPG



14. WB3.JPG



15. West Bridge Rail.JPG



16. West Bridge Rail.JPG



17. west side.JPG



18. west side1.JPG



19. west side3.JPG



20. west side4.JPG



21. west side6.JPG

Culvert

				Bridge No.:	62623						
			Culver	t							
	Item	Description	Condition		Comments						
Culvert (Overall:	NBI Item 62	N	Bridge							
MnDOT	Scour Code:	A - NON WATERWAY									
	ocour code.	A - NON WATERWAT	<u> </u>								
Waterway Inspection											
Item No.	Yes, No, NA or Not Visible		Description								
1.		Is there a significant build-	Is there a significant build-up of debris?								
2.		Is there erosion of the embankment around the headwalls?									
3.		Is there any indication of c	racking or settleme	nt of the culvert barre	or headwalls?						
4.		Is there shifting of the char banks parallel to the stream		osion of the stream b	anks? Also are there cracks in the soil of the						
5.		Do scour measurements in culvert?	ndicate that the stre	ambed is below the b	ottom of the cutoff walls at the ends of the						
6.		Is there evidence of distress in the roadway or approaches such as cracks in the pavement and sags in the guardrail or roadway? Also, is there cracking, erosion, or failure of the side slopes at or adjacent to the culvert?									
7.		Is there an indication of "piping" of water along the outside of the culvert such as cavities adjacent to the barrel?									
8.		Is the culvert without a bot streambed elevations?	tom and scour mea	surements indicate th	at the streambed is below the plan						
9.		Has the riprap or other sco	las the riprap or other scour protection been damaged or otherwise made ineffective?								
10.		If the culvert was designed	to be buried (fill in	side the culvert), is the	e material still in the barrel?						
Notes:											
- Stream	bed sounding data	is to be documented.									
	ngs of the streambe uld be done.	ed should be done at each er	nd of the culvert. If I	tems #5 or #8 are "Ye	es", then a streambed profile of the scoured						
- If "Yes"	is the answer to an	y items on the checklist, not	fy the Program Adı	ninistrator for further i	nstructions.						
Commen	its:										
Complete	ed On		By								

Channel

				Bridge No.:	62623
			Chanr	nel	
	Item	Description	Condition		Comments
Channe	l Overall:	NBI Item 61	N	No waterway	
		Da	ınk Protectior	a/Dayatmant	
		Description	Condition	i/Revetinent	Comments
Upstrea	m Bank Protection	•	Condition		Comments
Downst	ream Bank Protect	tion:			
Bridge I	Revetment:	-			
MnDOT	Scour Code:	A - NON WATERWAY			
			Underwater li	nspection	
Underw	ater Inspection By	Divers:			
No. of P	iers To Be Inspect	ted:			
		W	laterway Cha	racteristics	
Referen	ce Point:	High Water	er Elev.:		Current Water Elev.:
Pile Tip	Elev.:	Low Wate	r Elev.:		Current Streambed Elev.:
		Scour Hol	e Elev.:		Current Scour Hole Elev.:
		Waterway Ins	pection: (Not	applicable for	culverts)
Item No.	Yes, No, NA or Not Visible		Descrip	otion	
1.		Is there a significant build-u	p of debris?		
2.		Is there a change in the hor	izontal alignment	t of the handrail o	r structure members such as beams?
3.		Is there any indication of ve	rtical movement	of the superstruct	ure?
4.		Is there shifting of the chan- banks parallel to the stream		erosion of the stre	eam banks? Also are there cracks in the soil of the
5.		Is there a significant change	in the alignment	t of hte exterior be	earings?
6.		Are there cracks or other sig	gns of distress in	the approach pay	vement?
7.		Is the water currently on the	superstructure?		
8.		Are the slopes unstable?			
9.		Do scour measurements inc	dicate: (place a cl	heck by all that ap	oply.)
		A. that the streamed is	s two or more fee	et below the botto	m of pier footings which are supported on piles?
		B. scour below the bo	ttom of spread fo	ootings?	
		C. scour below the bo	ttom of high abut	tment footings?	
		D. that the streambed	has scoured five	e feet or more belo	ow the original streambed elevation at pier bents?

10.	Have the scour countermeasures been damaged or otherwise made ineffective?
Notes:	
- Streamb	ed sounding data is to be documented.
	OT Bridge Inspection Manual Section 2.2.5, at bridges that require x-sections, take channel x-sections, along the upstream and/or m face of the bridge.
- If "Yes" is	the answer to any items on the checklist, notify the Program Administrator for further instructions.
Comments	
Completed	On By

Scour POA

	Bridge No.: 62623								
Scour POA									
1.	Is POA on File?								
2.	Date of most recent POA:								
3.	Here is a link to MnDOT's Bridge Scour website for other resources:								
	http://www.dot.state.mn.us/bridge/hydraulics/scour.html								
	 The Scour POA should be kept in the bridge file and/or uploaded to SIMS using the "Inspection Files" tab. 								
Impler	nentation								
Scour P	OAs are required to be implemented by FHWA.								
1.	Is this POA being implemented?								

Channel Section

	<u>Upstream</u>		<u>Downstream</u>				
Custom Label	Location	Elevation		Custom Label	Location	Elevation	ĺ

Distance Measured From: Distance Measured From:

Elev. of Ref. Pt: Elev. of Ref. Pt:

Depth to Water Surface: Depth to Water Surface:

WS Elev: WS Elev:

Vertical Datum: Vertical Datum:

Comments:

Maintenance



BRIDGE STRUCTURAL ASSESSMENT REPORT

PURPOSE:

This report is a structural assessment of the structure and its ability to carry loads based on conditions identified in the attached bridge inspection report. The assessment is only a cursory review intended to provide guidance as to the relative hazards for structural conditions and deficiencies identified. This report is mandatory for all fracture critical bridges and is completed by the MnDOT Bridge Office upon receipt of the 7 Day FC Report; however, it is an OPTIONAL tool for agencies to utilize at their discretion for all other inspection types.

BRIDGE NO.: 62623	BRIDGE OWNER: Count	y Highway Agency
DATE INSPECTED: 10/09/2015 FACILITY CARRIED: CSAH 16	STRUCTURE TYPE: Prestressed Concrete Stringer/Multi-beam or Girder FEATURES INTERSECTED: WEST VADNAIS SWAMP	
TYPE OF INSPECTION:		SWIM
Redundancy:	Connection	l ed
 Was a critical finding identified during this i structural review? 	nspection or upon	☐ Yes ☐ No
a) If selected "Yes" above, state briefly the	finding(s):	
2. If a critical finding was identified, what is th	e current status?	□ Pending□ Resolved□ N/A
a) Briefly state actions taken:		
3. Does the condition of any bridge component function? Examples of bridge components vinclude elements that are: frozen or immove misaligned, distorted or structurally deforme deteriorated, cracked, broken, eroded or scot	with impaired function eable, out-of-plumb or ed, excessively	☐ Yes ☐ No

	a) If selected "Yes" above, state briefly the component(s) and condition(s):
4.	Does the overall condition of the bridge, or any of its components mentioned in Question 3, suggest the need for detailed structural analysis and/or a revised load rating?
	a) If selected "Yes", state the reason for this recommendation and indicate a proposed timeframe in accordance with State of Minnesota Rule 8810.9500 (Subpart 2):
5.	Based on the structural assessment of these findings, recommendations include:
	☐ Repair/Maintenance ☐ Monitoring Plan
	☐ Other ☐ Increased Inspection Frequency
	Explain recommended actions:
6.	Other comments:

Bridge Office Reviewer