							Bridge lı	nspe	ction								
Bridge File Num	ridge File Number 76054 N-1 Bridge								Form Type			PCS					
Year Built/Year Supstr		1966/196	66					Lot				1 Shana Hall					
Bridge or Town	Name	MORINV	ILLE						Inspector Name			Shane Hall					
Located Over		CNR							Inspector Class			BR CLS A					
Located On 2:36 R1 9.364				364					Assistant Name								
Water Body Cl./Year									Assistant Class								
Navigabil. Cl./Ye									Inspection Date			22-Apr-2013					
				33 TMD 55 DGE 25 MAM						Data Entry By			Theresa Lacusta				
			30 53:47:47						Data Entry Date			30-Apr-2013					
Road Authority	lue		39, 53:47:47 Fransportation (AIT)						Reviewer Name			Eric Carcoux					
Contract Main.	١ ٣٥٥	CMA09	тапъропа	ation (Ai	1)			Rev	Review Date			30-Apr-2013					
) de a. (1.1	IE\				Dep	t. Revi	ewer	Name	Brent Herric	<				
Clear Roadway/	Skew	13.7 / -10		117)				Dep	t. Revi	ew Da	ate	01-May-201	3				
AADT/Year		11,540 / 3	` '					Follo	ow-Up	Ву							
Road Classificat		RAD-412	2.4-120					-									
Detour Length (I Allowable Load					Semi		S2 61			Train		3 88	> On Critical Spa		ans		
		GIR				G	IRDER				GII	RDER		>Critical M			
Design Loading:		HS2	0											> Primary	Span		
						P	osting l	nform	nation								
Required Vert. C			g (m)														
Posted Vertical				No													
Posted: Lane	EB		ridge (m)		In Adva	ance	(Y/N)	No	Lane	WB	C	n Bridge (m)		In Advance	(Y/N)	No	
Remarks	Not re	quired.															
Required Load F	Posting	(t)		Single				Semi			Truck	rain Train					
Posted Loading (t)				Single					Semi				Truck	k Train			
Posted:	Lane	NB		At June	ction (Y	/N)	No		In Advance (Y/N)		(Y/N)	No At B		Bridge (Y/N) No			
Posted:	Lane	SB		At June	ction (Y	/N)			In Adv	ance	(Y/N)		At Br	idge (Y/N)			
Remarks	Not re	quired.															
Hazard Marker	At Bridg	ge (Y/N)	No														
Remarks			Not req	uired.													
Other Sign Type	s		Informa	tion, Wa	arning.												
						Ut	ilities (l	_ocat	ed at)								
Utility Attachmer	nts																
Telephone	East r.	/w.															
Power									Municipal								
Others									olem (Y	′/N)	No						
Remarks																	
							Approa	ch R	oad								
						Last											
Horizontal Aligni	ment					7	7	Top of crest, typ G/S geometry.									
Vertical Alignment					7	7											
Roadway Width (m) 13.800							Poth	Potholes @ NW			V cornerphoto						
Approach Bump			5			4											
Guardrail (Y/N) Yes							Not	Not connected to bridge rail @ NE & SE. NE could be hazardousphoto									
Guardrail				4		4	3	NE (could b	e haz	zardou	sphoto					
			99.000	99.000													
Current Stand	ard (Y/	N)	No														
, ,			Turned	Down													
Drainage						5	5	Drai seve	Drain trough is spalled at NW. Drain trough at SW is spalled and severly scaled, both functioning.					and			

Approach Road												
					Last	Now	Explanation of Condition					
Approach R	oad General	Rating]		7	3						
Daiden Ocas							tructure					
Bridge Com	•			-\- 40 0 40 0	Last		Explanation of Condition					
	n : PE, 3 Spa	ns, Le	ngtns(n	n): 12.8-12.8-	12.8, A-	laent r	Number:)					
Special Features						I .,						
Special Feature						X						
(Type:)						I						
Special Feat	ure					X						
(Type:)												
Wearing Surf	face/Deck Top	<u>Detai</u>	I Ratings	3								
	N (%)	1 (%)	2 (%)	3 (%)							
Last	0		0	0	5							
Now												
Wearing Sur	face				3	4	Missing pieces along West curb photos - random cracks.					
(Material T	ype : ACP - C	ONVE	NTIONA	L CHIP SEA	L COAT	Γ)	Alligatored and rutted N end with pot holes @ N end West lane.					
(Thickness	(mm) : 150)											
Lateral Conn (Y/N)	ection Proble	m	No									
Deck Top					N	N						
Deck Rideab	ility				4	5						
Deck Joints					N	N	Paved over/sealed with asphalt. May be leaking locally due to					
Bump (Y/N)		No				staining on P2 cap.					
Deck Draina	ge				4	4	Local scour under SE deck drain, .7m					
Drains Clogged (Y/N) No							deep x 1.2 m dia. Stains at piers from leaky joints.					
Curbs/Media	n				3	3	Several locations with on West curb & deep spalls on East curb.					
(Curb Type	: Standard)						Leakage through wide crack under E curb on span 3 is causing spalling and cracking with heavy rust staining on outside face of					
Scaling (Pe	ercent Area)		5				girder-photo					
Bridge Rail					7	7	12 bolts on East curb with insufficient thread, loose nut near SE.					
(Type : GA	LVANIZED S	TEEL '	VERTIC	AL BAR)			Page of poets have small dente along E ourh					
Bridge Rail F					4 4		Base of posts have small dents along E curb.					
	LVANIZED P	ost s	TEEL;G	ALVANIZED	POST							
Bridge Rail/F	Posts Coating				7	6						
	LVANIZED)											
Sidewalk					Х	Х						
Girdor Dotoil	Patings											
Girder Detail		1 (00	11D+)	2 (count)	2 (00)	ınt)						
Last	N (count)	1 (co		2 (count)	3 (cou							
Last	0		0	0		8 8						
Now							FOO/ of sindows have wide by situation to see the s					
Girders					3	3	50% of girders have wide longitudinal cracks in legs in anchorage zone. 50% of girders have delam cracks in bearing areas at piers.					
Last Complete Inspection Date 22-Apr-2013							Approx. 8 girders have wide long cracks in AZ of 2 legs.					
Cracking (Y/N) Yes Spalling (Percent Area) 2							Rust staining on fascia @ SP3G16 from wide longitudinal cracks running 50% of girder length. photos.					
Lift or Connector Pocket Grouted (Y/N)							Too high to confirm concrete soundness.					
(Number Of Girders : 48)							Most girders have narrow flexral cracks. End diaphragm spall at S end of SP1G15.					
							Lina diaphilagin spail at o tha of SF 1015.					

						Supers	tructure
Bridge Comp	onent				Last	Now	Explanation of Condition
(Primary Spa	n : PE, 3 Spa	ns, Le	ngths(r	n): 12.8-12.8-	12.8, A	-Ident N	Number:)
Now Bearing Seats/Caps/Corbels							
Vertical (Y/I	N)		No				
Horizontal (Y/N)		No			_	
Superstructu	ıre General F	Rating			3	3	
						Subst	ructure
Bridge Com	onent				Last	Now	Explanation of Condition
						111011	
(Extended l	Backwall Piles	s (Y/N)	: N)				
):)			
(Total Numbe	er of Caps/Co	rbels :	1:1)				Stains & a couple vertical cracks. 2 spot corrosion @ South
Bearing Seats	s/Caps/Corbe	ls Deta	ail Ratin	gs			abutment.
	N (count)	1 (co	ount)	2 (count)	3 (co	unt)	N. few medium vertical cracks.
Last							3 medium vertical cracks in N abut.
Now							
Bearing Seat	s/Caps/Corbe	ls			5	5	Approx 7 girders have their legs bearing on top of concrete abut cap - either bearing pad deteriorated or improperly installedphoto
(Type : CO	NCRETE)						
(Depth(mm):)						
` ` `						1	
			ı		5	5	
	eight (m)		1.50			1	
Wingwalls					6	6	
(Total Number	er of Bearing F	Piles : (0:0)				
Piles Detail R		1					
	N (count)	1 (co	ount)	2 (count)	3 (co	unt)	
Last	<u> </u>		0	0		0	
	100						
					N	N	
Paint/Coating	I				X	X	
Abutment Sta	bility				6	6	
Scour/Erosion	n				6	6	
Piers/Bents							
(Type : PIE	R-COLUMN)						
	·						
Bearing Seats				Ĭ			Delam crack forming on North pier - photo. South pier both ends cracked with corrosion staining.
_	N (count)	1 (co	ount)	2 (count)	3 (count)		- Tracked with corresion stairing.
	(0 (0)					Ι.	
	•	els			4	4	
	· · · · · · · · · · · · · · · · · · ·						
	-	S.1 .	 \				
		riles :	<i>(</i> :/)				
riies Detail R		1 (00	unt)	2 (count)	3 (co	unt)	
Last	rv (courit)	1 (00	ant)	Z (COUIII)	3 (00)	urit)	
Now							
Pier Shaft/Pil	es				6	6	
Greatest He			8.00				1

			ructure	
Bridge Component		Last	Now	Explanation of Condition
Bracing/Struts/Sheathing			X	
Nose Plate		Х	X	
Paint/Coating		Х	Х	
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour			Х	
Debris (Y/N)	No			
Substructure General Rating		4	4	
		S	Structu	re Usage
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment	Road Alignment			
Traffic Safety Features		Х	Х	
Туре	None			
Slope Protection		4	4	Scour hole from deck drain on South headslope.
(Type : NONE ; NONE)				Small erosion gully @ NE corner.
Bank Stability			7	
Drainage			5	
Grade Separation General Rat	ing	4	4	

76054 N-1 Bridge

			Maintenance Reco	mmenda	ations					
Inspector Recommendations	Yea	ar	Inspector Comments		Department Com		Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	201	13	Connect approach rail to bridge rail.							
SEAL CURBS	201		Repair curbs. (holes)							
PATCH DECK	201	13	Patch ACP							
OVERLAY DECK										
STRAIGHTEN/REPLACE MEMBERS										
WASHING										
SHOTCRETE REPAIRS										
CORE TIMBER CAPS/CORBELS										
REPAIR/REPLACE TIMBER CAPS										
REPAIR ABUTMENT SCOUR/EROSI	ON									
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL STRUTS										
OTHER ACTION	201	13	ASSESSMENT - REPAIR/REPLACE							
OTHER ACTION	201		Replace neoprene bearing pads.							
OTHER ACTION	201	13	Replace girders as required - complete 2 inspection and Assessment first.	e Level						
OTHER ACTION										
Structural Condition Rating (Last/No. (%)	ow) 38.9	9/38.9	Sufficiency Rating (Last/Nov (%)	w) 5	6.3/47.3	Est. Repl. Yr	2015	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection	·			·	Department Comments					
Maintenance Reviewed By					Date			Estimated Tota	0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name Kris E		rs	Pi	revious A	Assistant's Name					
Next Inspection Date 22-Ja		15	Pi	revious II	nspection Date	06-Jul-2011				
Inspection Cycle (Default) (months) 21										
Comment										

Bridge Inspection & Maintenance System (Web 2005)