								Bridge I	nspe	ction						
Bridge File Number 85012 N-1 Bridge								Form Type				PSR				
Year Built/Year 2005/2005 Supstr								Lot				3				
Bridge or Town Name ANTHONY HENDAY DRIVE								Inspector Name			Wade Nanninga					
Located Over	INAITIC						WATERCRS-			Inspector Class			BR CLS A			
Localed Over		ST				,.55, vv	WATERORS-			Assistant Name						
Located On		216:06	R1 12	.699						Assistant Class						
Water Body Cl./Year								Inspection Date			26-Jan-2013					
Navigabil. Cl./Year								Data Entry By  Data Entry Date				Theresa Lacusta				
Legal Land Location SE SEC 8 TWP 52 RGE 25 W4					5 W4N	4M						08-Feb-2013				
Longitude, Latitude -113:38:46, 53:28:14										iewer 1			Eric Carcoux 27-Jan-2013			
Road Authority				•	ation (AIT	•				iew Da		0000				
Contract Main. A			DNY H	END	AY DRI\	/E							Brent Herric			
Clear Roadway/	Skew								_		ew Dat	е	14-Feb-201	<u>ა</u>		
AADT/Year		41,140							FOII	ow-Up	БУ					
Road Classificat		RFD-4	12.4-1	10												
Detour Length (I	ĺ	1														
Allowable Load	(t): Sin	igle CS	S1 28			Semi	mi CS2 49				Train	CS	CS3 62		> On Critical Spans > Critical Member	
Design Loading:						I									> Primary	
9							P	osting I	nforn	nation					,	S p s s s
Required Load Posting (t) Single										Semi				Truck Train		
Posted Loading	(t)				Single					Semi				Truc	k Train	
Posted:	Lane	NB			At Junc	tion (Y	//N) No		In Advance (Y/N)		No	At Bridge (Y/N) No		No		
Posted:	Lane	,				tion (Y	/N)		In Advance (Y/N)			At Bridge (Y/N)				
Remarks Not required.									·							
Hazard Marker At Bridge (Y/N) Yes																
Remarks																
Other Sign Types Information, directions				ctional	l.											
							Ut	tilities (	Locat	ed at)						
Utility Attachmer	nts															
Telephone							Gas									
Power	Power 240 KV 0.4 lines 250m north. Lighting.					hting.	g.			Municipal Street lights attached to curb.					curb.	
Others									Prol	Problem (Y/N) No						
Remarks																
							Approach Road									
							Last	Now	Exp	Explanation of Condition						
Horizontal Alignment					8	8	-									
Vertical Alignment				9	9											
Roadway Width (m) 13.600				_												
Approach Bump				7	7											
Guardrail (Y/N) Yes Guardrail				_	-											
Length (m) 77.000				5	7											
<b>0</b> ( )																
·																
Termination Type Turn down				3	N.I.	Late	n in dea	in train	ah @	NE corner t	2 0000	nt approach	rail is anan			
Drainage					3	N	Hole in drain trough @ NE corner to accept approach rail is open (photo). Water is draining through hole creating 2m w 1m w 1m de trough hole at SE corner (photo)May,2011					raii is open 1m w 1m deep				
Approach Road	d Gene	eral Rati	ing				8	8								

Bridge Component   Last   Now   Explanation of Condition     (Primary Span : NU, 3 Spans, Lengths(m): 41.5-52-41.5, A-Ident Number: )							Supers	tructure					
Special Features   X   Control Feature   X   X   X   X   X   Control Feature   X   X   X   X   X   X   X   Control Feature   X   X   X   X   X   X   X   X   X	Bridge Component												
Special Feature	(Primary Spar	n : <b>NU, 3 Spar</b>	ns, Leng	gths(m	n): 41.5-52-41	.5, A-le	dent Nu	umber: )					
Crype :   Special Feature	Special Featu	ures					_						
Special Feature	Special Featu	ire					X						
Crype :	(Type:)						_						
Wearing Surface/Deck Top Detail Ratings	Special Featu	ıre					X						
N (%)	(Type:)												
Last	Wearing Surfa	ace/Deck Top	Detail R	atings									
Now		N (%)	1 (%)		2 (%)	3 (%)							
Wearing Surface 6 5 [Material Type : ACP) (Thickness(mm) : 30)  Lateral Connection Problem (Y/N)  Deck Top N N N  Deck Rideability 8 8 8  Deck Joints 8 4 [Missing snow plow deflector at both abutments. (3)  Temperature (deg. C) -10 (Expansion Type : GlAND (WABO-MAUER, TRANSFLEX, ETC)) (Fixed Type :)  Gap Size (mm) Gap Location 95 Abutment 1 - South 110 Abutment 2 - North  Deck Drainage 3 7 No deck drains. Hole in splash pad @ NE corner to accept approach so the splash pad (2) NE corner to accept approach so to specific	Last	0	0		0		0						
(Material Type : ACP) (Thickness(mm) : 80)  Lateral Connection Problem (YrN)  Deck Top N N N  Deck Rideability 8 8 8  Deck Joints 8 4 Missing snow plow deflector at both abutments. (3)  Temperature (deg. C) -10 (Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC)) (Fixed Type :)  Gap Size (mm) Gap Location 95 Abutment 1 - South 110 Abutment 2 - North  Deck Drainage 3 7 No deck drains. Hole in splash pad @ NE corner to accept apprail post is open (photo). Water draining into hole below approasile oreating large (2m x 1m x 1m deep) soour hole - photo  Curbs/Median 7 7 7  Curbs/Median 7 7 7  Curbs/Median 7 7 7  Scaling (Percent Area) 0  Bridge Rail (Percent Area) 0  Bridge Rail Posts (Type :)  Bridge Rail/Posts Coating X X X (Type :)  Bridge Rail/Posts Coating X X X (Type :)  Sidewalk X X X	Now	10.0	0.0	)	0.0	(	0.0						
Chickness(mm) : 80	Wearing Surfa	ace				6	5	Random wide cracking in asphalt wearing surface.					
Lateral Connection Problem (Y/N)  Deck Top  N  N  N  Deck Rideability  8  8  Missing snow plow deflector at both abutments. (3)  Temperature (deg. C) -10 (Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC)) (Fixed Type :)  Gap Size (mm)  Gap Location  95  Abutment 1 - South  110  Abutment 2 - North  Deck Drainage  Drains Clogged (Y/N)  No  Deck Drainage  Torins Clogged (Y/N)  No  Deck Drainage  Torins Clogged (Y/N)  Deck Drainage  Torins Clogged (Y/N)  No  Deck Drainage  Torins Clog	(Material Ty	pe : <b>ACP</b> )											
Deck Top	(Thickness(	mm) : <b>80</b> )											
Deck Rideability  Beck Joints	Lateral Conne	ection Problem	n No	0									
Deck Joints  Temperature (deg. C) -10  (Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))  (Fixed Type :)  Gap Size (mm)  Gap Location  95 Abutment 1 - South 110 Abutment 2 - North  Deck Drainage  Drains Clogged (Y/N) No  Deck Drainage  Torains Clogged (Y/N) No  Curbs/Median  Curbs Type : SINGLE SLOPE CONCRETE BARRIER)  Scaling (Percent Area)  Bridge Rail  X X  (Type :)  Bridge Rail Posts  Cype :  Bridge Rail/Posts Coating  X X  (Type :)  Bridge Rail/Posts Coating  (Type :)  Sidewalk  X X  (Type :)  Sidewalk  X X  (Type :)  Sidewalk	Deck Top					N	N						
Temperature (deg. C)	Deck Rideabi	lity				8	8						
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC)) (Fixed Type : )  Gap Size (mm)  Gap Location  95  Abutment 1 - South  110  Abutment 2 - North  Deck Drainage  Drains Clogged (Y/N)  No  State of Curbs/Median  Curbs/Median  Curbs/Median  Curb Type : SINGLE SLOPE CONCRETE BARRIER)  Scaling (Percent Area)  Bridge Rail  Curbs (Percent Area)  Bridge Rail (Type : )  Bridge Rail Posts  (Type : )  Bridge Rail/Posts Coating  (Type : )  Sidewalk  X  X  (Type : )  Sidewalk  X  X  X  X  X  X  X  X  X  X  X  X  X						8	4	Missing snow plow deflector at both abutments. (3)					
(Fixed Type : ) Gap Size (mm) Gap Location 95 Abutment 1 - South 110 Abutment 2 - North  Deck Drainage Drains Clogged (Y/N) No													
Gap Size (mm)  Gap Location  Abutment 1 - South  Abutment 2 - North  Deck Drainage  Drains Clogged (Y/N)  No  Curbs/Median  Curb Type: SINGLE SLOPE CONCRETE BARRIER)  Scaling (Percent Area)  Bridge Rail  Type:)  Bridge Rail Posts  (Type:)  Bridge Rail/Posts Coating  (Type:)  Sidewalk  X X   (Type:)  Sidewalk  X X   Abutment 1 - South  Abutment 2 - North  No deck drains. Hole in splash pad @ NE corner to accept appraint accept ac	(Expansion	Type : GLANI	D (WAB	O-MA	UER, TRANS	FLEX,	ETC))						
Deck Drainage	(Fixed Type	e:)											
Deck Drainage Drains Clogged (Y/N) No Scaling (Percent Area) Bridge Rail (Type:) Bridge Rail/Posts Coating (Type:) Sidewalk  Abutment 2 - North  No deck drains. Hole in splash pad @ NE corner to accept apprain post is open (photo). Water draining into hole below approas slab creating large (2m x 1m x 1m deep) scour hole - photo.  May,2011  Concrete barrier. Hairline vertical cracking on approach sections  Concrete barrier. Water in the properties of the prop		nm)											
Deck Drainage Drains Clogged (Y/N) No Slater draining into hole below approach sharp and (Curbs/Median 7 7 7 Concrete barrier. Hairline vertical cracking on approach sections (Curb Type : SINGLE SLOPE CONCRETE BARRIER) Scaling (Percent Area)  Bridge Rail X X X (Type :) Bridge Rail Posts X X X (Type :) Bridge Rail/Posts Coating X X X (Type :) Sidewalk X X X	95		, A	Abutm	ent 1 - South								
Drains Clogged (Y/N)  No  rail post is open (photo). Water draining into hole below approad slab creating large (2m x 1m x 1m deep) scour hole - photo  May,2011  Curbs/Median  7 7  Curbs Type: SINGLE SLOPE CONCRETE BARRIER) Scaling (Percent Area)  Bridge Rail  (Type:)  Bridge Rail Posts  (Type:)  Bridge Rail/Posts Coating  (Type:)  Sidewalk  X X   X  X  X  X  X  X  X  X  X  X  X	110 Abutment 2 - North												
Drains Clogged (Y/N)  No  rail post is open (photo). Water draining into hole below approad slab creating large (2m x 1m x 1m deep) scour hole - photo  May,2011  Curbs/Median  7 7  Curbs Type: SINGLE SLOPE CONCRETE BARRIER) Scaling (Percent Area)  Bridge Rail  (Type:)  Bridge Rail Posts  (Type:)  Bridge Rail/Posts Coating  (Type:)  Sidewalk  X X   X  X  X  X  X  X  X  X  X  X  X													
Drains Clogged (Y/N)  No  rail post is open (photo). Water draining into hole below approad slab creating large (2m x 1m x 1m deep) scour hole - photo  May,2011  Curbs/Median  7 7  Curbs Type: SINGLE SLOPE CONCRETE BARRIER) Scaling (Percent Area)  Bridge Rail  (Type:)  Bridge Rail Posts  (Type:)  Bridge Rail/Posts Coating  X X  (Type:)  Sidewalk  X X   X													
Drains Clogged (Y/N)  No  rail post is open (photo). Water draining into hole below approad slab creating large (2m x 1m x 1m deep) scour hole - photo  May,2011  Curbs/Median  7 7  Curbs Type: SINGLE SLOPE CONCRETE BARRIER) Scaling (Percent Area)  Bridge Rail  (Type:)  Bridge Rail Posts  (Type:)  Bridge Rail/Posts Coating  X X  (Type:)  Sidewalk  X X   X													
Drains Clogged (Y/N)  No  rail post is open (photo). Water draining into hole below approad slab creating large (2m x 1m x 1m deep) scour hole - photo  May,2011  Curbs/Median  7 7  Curbs Type: SINGLE SLOPE CONCRETE BARRIER) Scaling (Percent Area)  Bridge Rail  (Type:)  Bridge Rail Posts  (Type:)  Bridge Rail/Posts Coating  X X  (Type:)  Sidewalk  X X   X													
Slab creating large (2m x 1m x 1m deep) scour hole - photo May,2011  Curbs/Median 7 7  (Curb Type : SINGLE SLOPE CONCRETE BARRIER) Scaling (Percent Area) 0  Bridge Rail X X  (Type :) Bridge Rail Posts X X  (Type :) Bridge Rail/Posts Coating X X  (Type :) Sidewalk X X	Deck Drainag	e				3	7	No deck drains. Hole in splash pad @ NE corner to accept approa					
Curbs/Median 7 7 Concrete barrier. Hairline vertical cracking on approach sections (Curb Type : SINGLE SLOPE CONCRETE BARRIER)  Scaling (Percent Area) 0  Bridge Rail								slab creating large (2m x 1m x 1m deep) scour hole - photo					
(Curb Type : SINGLE SLOPE CONCRETE BARRIER) Scaling (Percent Area)  Bridge Rail X X (Type : )  Bridge Rail Posts X X (Type : )  Bridge Rail/Posts Coating X X (Type : )  Sidewalk X X	Curbs/Median					7	7	Concrete barrier. Hairline vertical cracking on approach sections.					
Scaling (Percent Area)         0           Bridge Rail         X         X           (Type:)         X         X           Bridge Rail Posts         X         X           (Type:)         X         X           Sidewalk         X         X	(Curb Type	: SINGLE SLO	OPE CO	NCRE	TE BARRIER	R)		]					
Bridge Rail         X         X           (Type:)         X         X           Bridge Rail Posts         X         X           (Type:)         X         X           Bridge Rail/Posts Coating         X         X           (Type:)         X         X           Sidewalk         X         X													
(Type:) Bridge Rail Posts X X  (Type:) Bridge Rail/Posts Coating X X  (Type:) Sidewalk X X		,				Х	Х						
Bridge Rail Posts X X (Type:)  Bridge Rail/Posts Coating X X (Type:)  Sidewalk X X													
(Type:) Bridge Rail/Posts Coating X X (Type:) Sidewalk X X	· • • · · · ·	osts				Х	X						
Bridge Rail/Posts Coating X X (Type:)  Sidewalk X X													
(Type:) Sidewalk X X	· · · · ·						X						
Sidewalk X X													
Girder Detail Ratings							X						
N (count) 1 (count) 2 (count) 3 (count)		N (count) 1 (count) 2 (count)		3 (co	unt)								
<b>Last</b> 0 0 0	Last	0	0		0	0							
Now	Now												
Girders 4 4 Hairline cracks in anchorage zone of girder webs, typical.	Girders						4	Hairline cracks in anchorage zone of girder webs, typical.					
Cracking (Y/N) Yes													
Spalling (Percent Area) 0 Continuous.	Spalling (Pe	ercent Area)	0					Continuous.					
(Number Of Girders : 4)	(Number Of C	Girders : 4)											

			Supers	tructure					
Bridge Component		Last		Explanation of Condition					
(Primary Span : NU, 3 Spans, L	_engths(m): 41.5-52-41	.5, A-lc		-					
Diaphragms/Cross Frame			8	Concrete diaphragms at abutments & piers. Steel intermediate					
				diaphragms. Galvanized.					
Bearings		8	8	Abutments only.					
Temperature (deg. C)	-10								
(Expansion Type : REINFORG	CED NEOPRENE BEAF	RING W	/ITH						
(Fixed Type : )									
Coating Adequate (Y/N)	ng Adequate (Y/N) Yes								
Functioning (Y/N)	nctioning (Y/N) Yes								
Deck Underside		7	7	Narrow random transverse cracks with efflorescence.					
Stains (Percent Area)	0								
Span Alignment Problems									
Vertical (Y/N)	No								
Horizontal (Y/N)	No								
Superstructure General Ratin	g	4	4						
			Cubet						
Bridge Component		Last	Now	ructure Explanation of Condition					
Abutments		Lasi	INOW	Explanation of Condition					
Bearing Seats/Caps		8	8						
(Type : CONCRETE)									
Backwalls/Breastwalls		5	5	Med cracks base of backwall on west side @ A1 with efflorescence staining.					
Wingwalls		5	5	Medium cracks in SW curtain wall.					
Piles		N	N						
Paint/Coating		8	8						
Abutment Stability		9	9						
Scour/Erosion		4	4	Erosion along SE curtain wall (photo)May, 2011 Erosion gulley @ North headslope toe.					
Piers/Bents									
(Type : PIER-COLUMN)		1		1500mm dia. columns below each girder line. Concrete base at bottom of pier columns.					
Bearing Seats/Caps		8	8	bottom of pier columns.					
(Type : CONCRETE)									
(Total Number of Bearing Piles	: 4:4)								
Pier Shaft/Piles		9	9						
Bracing/Struts/Sheathing		9	9						
Nose Plate		X	X						
Paint/Coating		X	X						
(Colour Description : )									
(Colour Code : )									
Pier Stability		9	9						
Scour		9	9						
Debris (Y/N)	No								
Substructure General Rating		8	8						

		5	re Usage						
			Now	Explanation of Condition					
Channel									
(U/S Direction : W)			Meanders through bridge opening.						
(D/S Direction : E)									
Alignment		6	6						
Bank Stability			7						
HWM (m below Top of Curb)	HWM (m below Top of Curb)			No HWM visible.					
Drift (Y/N)	No								
Slope Protection		8	4	Rock on upper slopes. Gulley 1mx2mx8m at toe of North pier.					
(Type : RIP RAP)									
Guidebank/Spurs			X						
Adequacy of Opening		9	9						
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating		6	4						

Bridge Inspection & Maintenance System (Web 2005)

85012 N-1 Bridge

					Maintenance Re	ecommend	lations					
Inspector Recomm		Year	Inspecto	or Comments		Department Com	Target Year	Est. Cost	Cat #			
REPAIR/REPLACE BRIDGE RAIL												
GALVANIZE/PAINT BRIDGE RAIL												
SEAL CURBS												
PATCH DECK												
SEAL DECK												
OVERLAY DECK												
REPAIR/REPLACE DECK JOINTS			2013	Replace	missing plow deflectiors.(3)	)						
RESET/ PAINT BEARINGS												
WASHING												
SHOTCRETE REPAIRS												
REPAIR ABUTME	NT SCOUR/EROSI	ON 2	2013	At toe of	N headslope.							
PLACE ADDITION	NAL RIP RAP											
REMOVE DRIFT	ACCUMULATION											
OTHER ACTION			2013	Fill hole corner, if	(with grout) in splash pad @ f not done.	® NE						
OTHER ACTION			2013	Repair e	erosion @ SE corner, if not c	done.						
OTHER ACTION			2013	Consider 85012-2.	r replacing glands while wor	rking on						
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/Now) (%)			66.7/66.	7	Sufficiency Rating (Last/	/Now)	59.8/56.5	Est. Repl. Yr	2080	Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection	Comments for						Department Comments		'			
Maintenance Rev						Date			Estimated Total	0		
Proposed Long-Term Strategy												
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name St		Shane I	Hall			Previous	Assistant's Name					
		26-Oct-	2014			Previous	ious Inspection Date 04-May-2011					
		21										
Comment												