							В	Bridae Ir	nspection								
Bridge File Num	ber	85014 E-1 Bridge						<u> </u>	Form Type			SG					
Year Built/Year									Lot No.			3					
Supstr								Inspector Name			Wade Nanninga						
Bridge or Town I	Name		ITHONY HENDAY DDIVE OVED NODTH					Inspector Class			BR CLS A						
0.101211				NATOREWAN RIVER					Assistant Name								
WATERCRS-								Assistant Class									
Located On		216:0	6 L1	10.332					Inspection Date			26-Jan-20	13				
Water Body CI./	Year								Data Entry By			Theresa Lacusta					
Navigabil. Cl./Year									Data Entry	Date		08-Feb-20	08-Feb-2013				
Legal Land Location SE SEC 4				1 TWP 52	2 RGE 2	5 W4M			Reviewer Name			Eric Carcoux					
Longitude, Latitude -113:36:5				6, 53:27:	35				Review Date			27-Jan-2013					
Road Authority		Albert	ta Tr	ransporta	ation (Al	Τ)			Dept. Revi	ewer l	Name	Brent Herr	ick				
Contract Main. A	rea	ANTH	'NOF	Y HEND	AY DRI\	/E			Dept. Revi	ew Da	ite	14-Feb-20	14-Feb-2013				
Clear Roadway/	Skew	12.9 /	1						Follow-Up	Ву							
AADT/Year		40,71	0/2	2011 (A)													
Road Classificat	ion	RFD-	412.	4-110													
Detour Length (F	km)	1															
Allowable Load (Semi	CS	S2 49		Train	C	63 62		> On Critical Spans>Critical Member				
Design Loading:														> Primary	Span		
							Po	sting Ir	nformation								
Required Load F	osting	(t)	Single						Semi			Truc	Truck Train				
Posted Loading	(t)			Single					Semi				Truc	Truck Train			
Posted:	Lane	W	В	At Junction (tion (Y/N	′N)		In Advance (Y/N)			At Bridge (Y/N)					
Posted:	Lane	EE	3		At Junc	tion (Y/N	1)	No	In Adv	ance (Y/N)	No	No At Bri		No		
Remarks	Not re	equired	ł.														
Hazard Marker A	At Brid	ge (Y/N	N)	Yes													
Remarks																	
Other Sign Type	S																
							Ut	ilities (L	ocated at)								
Utility Attachmer	nts																
Telephone									Gas								
Power	Cond Trans	nduit in 1st U/S bay, attached to dec nsalta 240kv lines x2.				to deck	und	erside.	Municipal Problem (Y/N)	No	lo					
Others	F.A.S	.T de-i	cing	system r 13.8kv	mounted	d in U/S	para	apet.	-								
Remarks	Lamo	πισπρ	owe	1 13.0KV	01022 0/	vei west	αμμ	nuauli.									
Remarks								Annroa	ch Road								
						l:	ast	Now	Explanation	on of (Cond	lition					
Horizontal Aligni	ment						8	8									
Vertical Alignme							8										
Roadway Width (m)			12.900				8										
Approach Bump				6		6	4	Settled ap	Settled approach, cracking.								
Guardrail (Y/N) Yes																	
Guardrail					4	7	1										
Length (m)			76.000				1	1									
			Yes					1									
Termination Ty		,		Turn Do	wn				1								
Drainage				20			6	4	SW drain s		l at 1	location. Lo	oking tl	nrough approa	ach slab onto		
Approach Road	l Gene	eral Ra	itina	1			8	8									
pp. 1			9														

						Supers	structure				
Bridge Co	mponent				Last	Now	Explanation of Condition				
(Primary Sp	pan : WG, 4 Sp 02;A1467-03;A	ans, Len	gths(n	n): 80-100-10	0-80, <i>A</i>	A-Ident	Number: A1466-01;A1466-02;A1466-03;A1466-04;A1467-				
Special Fe		(1407-04)									
Special Fea					N	N	Mounted in U/S parapet.				
(SType : DK DEICING SYS)					111	- 11	Inodifica iii 0/0 parapet.				
Special Fea		<i>,</i>				X					
(Type :)	<u> </u>										
	urface/Deck To	p Detail R	atings								
	N (%)	1 (%)		2 (%)	3 (%)						
Last											
Now	10.0	0.0)	0.0	(0.0					
Wearing Surface					4	4	Longitudinal crack down c/l and transverse cracks every 5m about				
(Material	Type : ACP)						1/2 of cracks are sealed. Losing aggregate along wheelpaths - photo ACP is ravelling along joint paving lipsphoto				
(Thicknes	ss(mm) : 90)						200mm dia. pothole 50m from East abutmentphoto				
Deck Top					N	N					
Deck Ridea	ability				7	7					
Deck Joints	S				6	5					
Tempera	ture (deg. C)	-1	0				Paving lips cracking.				
(Expansion	on Type : FING	ER PLAT	ES)				a raving lips cracking.				
(Fixed Ty	/pe :)										
Gap Size	e (mm)	(Gap Lo	ocation							
290			Abutm	ent 1 - West							
290			Abutm	ent 2 - East							
Deck Drain	age				9	9	Deck drains from west to east 1.7% grade 2% cross slope. Intermediate FVC weep drains @ U/S girder (8x).				
Drains Cl	logged (Y/N)	N	0				intermediate FVC weep drains @ 0/3 girder (0x).				
Curbs/Med	lian				5	4	Narrow vertical shrinkage cracks, typical. Equipment has rubbed lower joints pulling the caulking loose and spalling the edges on				
	pe : JERSEY/F	SHAPE)					several joints. Cip along N side 50m from E abut. photo Curb at SE settled 75mm at jointphoto				
Scaling (I	Percent Area)	0									
Bridge Rail					Х	X	The second country of the process				
(Type:)					, ,		-				
Bridge Rail	Posts				Х	X					
(Type:)					, ,						
	/Posts Coating				X	X					
(Type:)											
Sidewalk					X	X					
Girder/Bea	am										
Cover Pla	ate				X	X	Interior girders difficult to view due to height of bridge.				
Flange					9	9					
Web					9	9					
Stiffeners	3				9	9					
Splice					9	9					
Weld					9	9					
Diaphragm	s/Cross Frame				9	9					

			Supers	tructure
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : WG , 4 Spans 01 ; A1467-02 ; A1467-03 ; A146	, Lengths(m): 80-1 7-04)	100-100-80, <i>F</i>	A-Ident	Number: A1466-01;A1466-02;A1466-03;A1466-04;A1467-
Paint Condition		8	8	Girder ends are painted with wasser 3-cont system.
(Colour Description :)				Dark brown.
(Colour Code :)				Daik brown.
Touchup Required (Y/N)	No			
Bearings		4	4	Loose bolts on keeper assembly East abutment - photo.
Temperature (deg. C)	-10			
(Expansion Type : POT BEA	ARING)			
(Fixed Type : REINFORCED	PAD BEARING)			
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		6	6	The deck underside has stained (white) transverse cracks near
Stains (Percent Area)	1			transition of top flange from 500mm to 1100mm length. 500-1000mm long wide cracks with white stains under curb joints.
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rati	ng	6	6	
			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Abutments		1_0.01	1.10.11	
Bearing Seats/Caps		9	9	
(Type : CONCRETE)				
Backwalls/Breastwalls		9	9	Roof slab access hatch is not locked.
Wingwalls		6	6	Stained from leakage of joint at SW. Narrow vertical cracks with white stains below joints in curb SE.
Piles		9	N	
Paint/Coating		7	7	
Abutment Stability		9	9	
Scour/Erosion		7	7	
Piers/Bents				
(Type : PIER-COLUMN)				Caps have hairline map cracking.
Bearing Seats/Caps		7	7	A few spots at form tie locations.
(Type : CONCRETE)				
(Total Number of Bearing Piles	s : 2:2:2)			Piers have hairline map cracking.
Pier Shaft/Piles	- · -·-·-,	7	7	- The state of the
Bracing/Struts/Sheathing		8	8	
Nose Plate		9	9	Pier 2 only.
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		N	N	
Debris (Y/N)	No			
Dobito (1/14)	140			

	ructure								
Bridge Component L			Now	Explanation of Condition					
Substructure General Rating			7						
			truotuu	re Usage					
			Now	Explanation of Condition					
Channel	<u> </u>	Luot	11011	Explanation of containon					
(U/S Direction : S)									
(D/S Direction : N)									
Alignment		9	9						
Bank Stability			7	Cut banks downstream.					
HWM (m below Top of Curb)	27.3			(Recorded HWM during construction. ELG24.0m-2005. 07/Nov/200					
Drift (Y/N)	No								
Slope Protection		7	7	Small smooth rock at top of headslopes.					
(Type: RIP RAP)									
Guidebank/Spurs	Guidebank/Spurs		8	Guidebank at P3.					
Adequacy of Opening			9						
(Fish Compensation Measure 1 :	NONE)	'							
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating		7	7						

Bridge Inspection & Maintenance System (Web 2005)

		Maintenance Reco	mmenda	tions					
Inspector Recommendations	Year	Inspector Comments		Department Com	ments		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL									
GALVANIZE/PAINT BRIDGE RAIL									
RETROFIT BRIDGE RAIL									
SEAL CURBS									
PATCH DECK	2013	Patch ACP and seal cracks.							
SEAL DECK									
OVERLAY DECK									
REPAIR/REPLACE DECK JOINTS									
RESET/ PAINT BEARINGS		Tighten bolts on keeper assembly East abutment.							
REPAINT SUPERSTRUCTURE									
STRAIGHTEN/REPLACE MEMBERS									
WASHING									
SHOTCRETE REPAIRS									
REPAIR ABUTMENT SCOUR/EROSIO	N								
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
OTHER ACTION	2013	Patch curb along N side and @ SE.							
OTHER ACTION	2013	Seal cracks and patch ACP @ W appro	oach.						
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/No (%)	w) 72.2/72	Sufficiency Rating (Last/Nov (%)	w) 67	7.4/67.4	Est. Repl. Yr	2080	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date			Estimated Tota	I 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Kris Bosters	Pi	revious A	ssistant's Name					
Next Inspection Date	26-Oct-2014	Pı	revious In	spection Date	29-Apr-2011				
Inspection Cycle (Default) (months)	21								
Comment									