							Bridge	Inspe	ection							
	Bridge File Number 73809 E-1 Bridge							For	Form Type			SG				
Year Built/Year								Lot	Lot No.			2				
Supstr								_ Ins	Inspector Name			Kris Bosters				
Bridge or Town N	lame		TECOURT					Ins	Inspector Class			BR CLS A				
Located Over		PED 8.11	ESTRIAN TR .107, WATER	AIL;MC	LEOD T:TRAI	RIVE	R, D	Ass	Assistant Name							
Located On			6 R1 0.204		<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>			Ass	Assistant Class							
Water Body CI./Y	/ear							Ins	Inspection Date			4-Oct-2011				
Navigabil. Cl./Ye								Dat	Data Entry By			Theresa Lacusta				
Legal Land Loca		SW S	SEC 35 TWP	59 RGI	E 12 W	5M		Dat	Data Entry Date			25-Oct-2011				
Longitude, Latitu			:42:03, 54:08					Re	Reviewer Name			Eric Carcoux				
Road Authority			rta Transport		IT)			Re	Review Date			2-Oct-2011				
Contract Main. A	rea	CMA	•		,			De	pt. Revie	ewer Na	me E	Brent Herrick	(
Clear Roadway/S		12.5						De	pt. Revie	ew Date	2	26-Oct-2011				
AADT/Year			, 60 / 2010 (A)					Fol	low-Up	Ву						
Road Classificati	on		-412.4-120													
Detour Length (k	-	1														
Allowable Load (i			CS1 28		Semi	C	S2 49		Train		CS3 62		> On Critical Span		cal Spans Vember	
Design Loading:			MS350											> Primary		
						P	ostina	Infor	mation							
Required Vert. C	learan	ice Po	osting (m)	UNDE	R: PED											
Posted Vertical C				No												
	NB		n Bridge (m)	<u> </u>	In Adv	vance (Y/N)		No	Lane	SB O		n Bridge (m)		In Advance (Y/N) No		
	Not re						/					J · (···)			, ,	
Required Load Posting (t) Single									Semi				Truck	Truck Train		
Posted Loading (t) Single								Semi				Truck Train				
	Lane	E	B		ction (Y	(/N)	No		In Advance (Y/N)			No	At Bridge (Y/N) No			
	Lane					,			In Advance (Y/N)		/	At Bridge (Y/N)				
Remarks Not required.																
Hazard Marker A		_														
Remarks	Driaę	50 (17	/	nd onlv.												
Other Sign Types	s			,	aaina T	Fruck	s Turnii	na. Sli	ipperv. S	Speed. R	River	D - West er	nd only	۷.		
					999			-	ited at)					, -		
Utility Attachmen	its TI	ELEP	HONE UTILI	TIES-PI	HONE I											
	North							Ga	s	No	orth r/	w 20m.				
•			uth r/w.						Municipal Light standard both ends & on bridge.							
			South r/w. H	lydrant	@ SE r	/w.			Problem (Y/N) No							
Remarks		1.00		2												
							Appro	ach F	Road							
						Last			Explanation of Condition							
Horizontal Alignn	nent					6	6	Inte	Intersections at both ends of bridge.							
Vertical Alignment					8	8										
Roadway Width	(m)		12.400													
Approach Bump				7	7											
Guardrail (Y/N) Yes						NN	/ transiti	on conn	ectio	n missing bo	oth bo	lts. Insufficie	nt posts.			
Guardrail				3	4	Ins Bro	ufficient	length. I	Bulb	end @ East r - photo.						
Guardrail	Length (m) 40.400						SE	- 55.6;	NE - 13.	8; SV	/ - 58.0; NM	/ - 40.	4.			
	Current Standard (Y/N) No															
Length (m)	aiu (17															
Length (m)			Turned	Down												
Length (m) Current Standa			Turned	Down		5	5									

							tructure					
Bridge Component					Last	Now	Explanation of Condition					
(Primary Spa	n : WG, 4 Spa	ins, Len	gths(n): 44-54-54-4	44, A-lo	dent Nu	Number: A1034-01)					
Special Feat	ures					1						
Special Feature						X	Light Standard "8" on bridge.					
(Type :)					1	1						
Special Featu	ıre					X						
(Type :)												
Wearing Surfa	ace/Deck Top	Detail R	atings									
	N (%)	1 (%)		2 (%)	3 (%)		Snow and debris along gutters.					
Last	5											
Now												
Wearing Surfa	ace				6	6	Transverse cracks reflecting through ACP. Transverse cracks over					
(Material Ty	/pe : ACP)						piers.					
(Thickness((mm) : 50)											
Deck Top					N	N						
Deck Rideabi	lity				7	7						
Deck Joints					6	6	Fingers rattle under truck traffic, both abutments. No gaps under					
Temperatur	e (deg. C)	1	0				fingers. Minor abrasion along paving lip.					
(Expansion	Type : FINGE	R PLAT	ES)									
(Fixed Type	e:)											
Gap Size (n	nm)		Gap L	ocation								
64			E. abu	ıt								
72			W. ab	ut								
Deck Drainag	je				4	7						
Drains Clog		N	lo									
Curbs/Mediar	า				N	6	(Minor plow scrapes. 08/Apr/2008) Covered in snow.					
	: Standard)						Narrow transverse cracks 600mm o/c.					
Scaling (Pe		0										
Bridge Rail					7	7						
	LVANIZED ST				1		(Loose nut @ 15th post from the SE corner, insufficient thread on					
Bridge Rail P				,	N	7	À/B - photo. 08/Apr/2008) Covered in snow.					
(Type : GAI		OST STE	EEL;G	ALVANIZED			Dirty.					
STEEL)	osta Coatina				7	7	-					
Bridge Rail/Po					1	7						
	LVANIZED)				4	4						
Sidewalk					4 4		Minor flexural cracks, insufficiently threaded A/B. Not to standard height <1.2m high. Typical transverse cracks. Spall exterior of					
							sidewalk @ both abutments.					
Girder/Beam												
Cover Plate					X	X	6 girders / span.					
Flange					8	8	-					
Web					8	8						
Stiffeners					8	8						
Splice					8	8						
Weld					8	8						
Diaphragms/Cross Frame						7						

Bridge ComponentLestNoveExplanation of Condition(Primary Span: WG, Spans, Lerngths (m): 4454544, At Jeture X. 1030401)Plani ConditionSS(Colour Obescription :)SS(Colour Description :)SSTurbup Required (YN)NoSBearings0SGenergerature (deg, C)10S(Explanation Type: ROCKER BEARING)SCrangerature (deg, C)10S(Explanation Type: ROCKER BEARING)SCrangerature (deg, C)10SFunctioning (YN)YesSFunctioning (YN)YesSDeck Undersite (HYN)YesSSpan Alignment ProblemsSSSuperstructure General RatingNoSSuperstructure General RatingNoSSuperstructure General RatingSSSuperstructure General				Supers	tructure					
iftmany Span: W0, 4 Spans, Lengths(m): 44-54-54-44, A-Iderit Number: A1034-01) Minor rust ® ends by joints. Weathering steel. Colour Code:)	Bridge Component									
Colour Description :) (Colour Code :) Image: Colour Code :) Toncy Required (YN) No Bearings 6 Tomporative (deg. C) 10 (Expansion Type : ROCKER BEARING) Image: Colour Code :) (Fired Type : PINNED BEARING) Image: Colour Code :) Coating Adequate (YN) Yes Span Alignment Problems Image: Colour Code :) Verical (YN) No Superstructure General Rating 6 Bridge Component Last Abutments Substructuro Bearing Seatu/Caps 8 Type : CONCRETE) T Bark Mark Stability 7 7 Wingwalls 4 4 Pairt/Coating 8 8 Pairt/Coating 4 4 Abutment Stability 8 8 Pairt/Coating 4 4 50% peeling Abutment Stability 8 8 Pairt/Coating 4 4 50% peeling Abutment Stability 8 8 Pairt/Dott Fers Shat/Pifens 8 8 <td></td> <td>.engths(m): 44-54-54-4</td> <td></td>		.engths(m): 44-54-54-4								
Image: Construct Code :) Touchup Required (V/N) No Bearings 6 6 6 Temperature (deg. C) 10 Image: Force	Paint Condition		5	6	Minor rust @ ends by joints. Weathering steel.					
Touchup Required (V/N) No Image and the second se	(Colour Description :)									
Bearings 6 6 6 7 Temperature (deg. C) 10 Image: Ima	(Colour Code :)									
Temperature (deg. C) 10 Image: Compension Type : ROCKER BEARING) (Fixed Type : PINNED BEARING) Image: Compension Type : ROCKER BEARING) Image: Compension Type : ROCKER BEARING) Coating Adequate (Y/N) Yes Image: Compension Type : ROCKER BEARING) Image: Compension Type : ROCKER BEARING) Functioning (Y/N) Yes Image: Compension Type : ROCKER BEARING) Image: Rocker Bearing Searis/Caps Image: Rocker	Touchup Required (Y/N)	No								
Temperature (deg. C) 10 Image: Compension Type : ROCKER BEARING) (Fixed Type : PINNED BEARING) Image: Compension Type : ROCKER BEARING) Image: Compension Type : ROCKER BEARING) Coating Adequate (Y/N) Yes Image: Compension Type : ROCKER BEARING) Image: Compension Type : ROCKER BEARING) Functioning (Y/N) Yes Image: Compension Type : ROCKER BEARING) Image: Rocker Bearing Searis/Caps Image: Rocker	Bearings		6	6						
(Expansion Type : ROCKER BEARING)		10			Fixed at pier 2					
Coating Adequate (Y/N) Yes Functioning (Y/N) Yos Deck Underside 7 7 Stains (Percent Area) 1	· · · · ·	EARING)								
Functioning (Y/N) Yes Deck Underside 7 7 Stains (Percent Area) 1 Yetical (Y/N) No	(Fixed Type : PINNED BEARII	NG)								
Deck Underside 7 7 7 Stains (Percent Area) 1										
Deck Underside 7 7 7 Stains (Percent Area) 1	· · · · · ·	Yes								
Stains (Percent Area) 1 Span Alignment Problems			7	7						
Span Alignment Problems No Verical (Y/N) No Horizontal (Y/N) No Superstructure General Rating 6 6 Bridge Component Last Now Explanation of Condition Abutments Superstructure Explanation of Condition Bearing Seats/Caps 8 8 (Type : CONCRETE) 8 8 Backwalls/Breastwalls 7 7 Wingwalls 4 4 Cracking with corrosion staining at SE. Piles N N N Paint/Coating 4 4 50% peeling Abutment Stability 8 8 1 Scour/Erosion 8 8 1 PiersBents Viewed from banks. 1 Type : CONCRETE) Viewed from banks. 1 Pier Shat/Piles 8 8 (Type : CONCRETE) 1 1 Fier Shat/Piles 8 8 (Type : PIER-SOLID) 1 1 Fier		1								
Vertical (Y/N) No Vertical (Y/N) No Superstructure General Rating 6 6 6 Bridge Component Last Now Explanation of Condition Abutments Superstructure Superstructure Bearing Seats/Caps 8 8 8 (Type : CONCRETE) T 7 7 Wingwalls 4 4 Cracking with corrosion staining at SE. Piles N N N Paint/Coating 4 4 50% peeling Abutment Stability 8 8 6 Scour/Erosion 8 8 6 (Type : CONCRETE) Viewed from banks. 6 Bearing Seats/Caps 8 8 6 (Type : CONCRETE) Viewed from banks. 6 6 Piers/Bents 7 7 7 7 (Type : CONCRETE) 7 7 7 7 (Type : CONCRETE) 8 8 8 7 <	· · · · · · · · · · · · · · · · · · ·									
Horizontal (Y/N) No Superstructure General Rating 6 6 Bridge Component Last Now Explanation of Condition Abutments Superstructure Explanation of Condition Bridge Component Last Now Explanation of Condition Abutments 8 8 (Type : CONCRETE) 7 7 Backwalls/Breastwalls 7 7 7 Wingwalls 4 4 Cracking with corrosion staining at SE. Piles N N N Paint/Coating 4 4 50% peeling Abutment Stability 8 8 8 Scour/Erosion 8 8 8 Piers/Bents Trope : ONCRETE) Viewed from banks. Type : CONCRETE) 8 8 Total Number of Bearing Piles : 0:0:0) Yiewed from banks. Piers/Benting 8 8 Gracing/Struts/Sheathing X X Nose Plate	<u>_</u>	No								
Superstructure General Rating 6 6 Substructure Bridge Component Last Now Explanation of Condition Abutments Explanation of Condition Explanation of Condition Bearing Seats/Caps 8 8 8 General Rating 6 6 6 Bearing Seats/Caps 8 8 9 Vingwalls 7 7 7 Wingwalls 4 4 Cracking with corrosion staining at SE. Piles N N 9 Paint/Coating 4 4 50% peeling Abutment Stability 8 8 9 Orgen Piers/Bents Viewed from banks. 9 (Type : PIER-SOLID) Viewed from banks. 9 Bracing/Struts/Sheathing X X Nose Plate 8 8 8 Bracing/Struts/Sheathing X X 10 Pier Stability 8 8 8 9 Paint/Coating X X 10 10 Pier Stability 8 </td <td></td> <td></td> <td></td> <td></td> <td></td>										
Bridge Component Last Now Explanation of Condition Abutments Vinewalls/Seast/Caps 8 8 Grade Karls/Seastwalls 7 7 7 Backwalls/Breastwalls 7 7 7 Wingwalls 7 7 7 Piles N N 7 Piles N N 7 Paint/Coating 4 4 50% peeling Abutment Stability 8 8 Scour/Erosion 8 8 Piers/Bents 8 8 (Type : CONCRETE) 8 8 Bracing/Struts/Sheathing X X Nose Plate 8 8 Paint/Coating X X (Colour Description :) X X (Colour Code :) X X Pier Stability 8 8 <t< td=""><td></td><td></td><td>6</td><td>6</td><td></td></t<>			6	6						
Bridge Component Last Now Explanation of Condition Abutments Vinewalls/Seast/Caps 8 8 Grade Karls/Seastwalls 7 7 7 Backwalls/Breastwalls 7 7 7 Wingwalls 7 7 7 Piles N N 7 Piles N N 7 Paint/Coating 4 4 50% peeling Abutment Stability 8 8 Scour/Erosion 8 8 Piers/Bents 8 8 (Type : CONCRETE) 8 8 Bracing/Struts/Sheathing X X Nose Plate 8 8 Paint/Coating X X (Colour Description :) X X (Colour Code :) X X Pier Stability 8 8 <t< td=""><td></td><td></td><td></td><td>Subst</td><td></td></t<>				Subst						
AbutmentsImage: search of the se	Bridge Component		Last							
Bearing Seats/Caps 8 8 (Type : CONCRETE) T 7 7 Backwalls/Breastwalls 7 7 7 Wingwalls 7 7 7 Wingwalls 4 4 Cracking with corrosion staining at SE. Piles N N N Paint/Coating A 4 50% peeling Abutment Stability 8 8 8 Scour/Erosion 8 8 8 Cracking with corrosion staining at SE. Viewed from banks. 9 Bearing Seats/Caps 8 8 8 (Type : PIER-SOLID) Viewed from banks. 9 Frei Shatt/Piles 8 8 8 (Type : CONCRETE) Viewed from banks. 9 Frei Shatt/Piles 8 8 8 Bracing/Struts/Sheathing X X 1 Nose Plate 8 8 8 Paint/Coating X X 1 Colour Descri			Last	1101						
(Type : CONCRETE)Backwalls/Breastwalls77Backwalls/Breastwalls77Wingwalls44PilesNNPaint/Coating44Abutment Stability88Scour/Erosion88Piers/Bents(Type : PIER-SOLID)Viewed from banks.Pier Shaft/Piles88Bracing Seats/Caps88Bracing/Struts/SheathingXXNose Plate88Paint/CoatingXXColour Description :) (Colour Description :) (Colour Code :)88Pier Stability88ScourNN			8	8						
Backwalls/Breastwalls777Wingwalls44Cracking with corrosion staining at SE.PilesNNNPaint/Coating4450% peelingAbutment Stability8850%Scour/Erosion887Piers/Bents777(Type : PIER-SOLID)88Bearing Seats/Caps88(Type : CONCRETE)88(Total Number of Bearing Piles : 0:0:0)88Pier Shaft/Piles88Bracing/Struts/SheathingXXNose Plate88Paint/CoatingXX(Colour Description :) (Colour Code :)88Scour88Scour88				-						
WingwallsAAAWingwallsAACracking with corrosion staining at SE.PilesNNPaint/CoatingA450% peelingAbutment Stability88Scour/Erosion88Piers/Bents88(Type : PIER-SOLID)88Bearing Seats/Caps88(Type : CONCRETE)88(Total Number of Bearing Piles : 0:0:0)88Piers/Bents88Bracing/Struts/SheathingXXNose Plate88Paint/CoatingXX(Colour Description :) (Colour Code :)88Fier Stability88ScourNN				7						
PilesNNPaint/Coating4450% peelingAbutment Stability88Scour/Erosion88Piers/Bents (Type : PIER-SOLID)88Bearing Seats/Caps88(Type : CONCRETE) (Total Number of Bearing Piles : 0:0:0)1Pier Shaft/Piles88Bracing/Struts/SheathingXXNose Plate88Paint/Coating (Colour Code :)XXPier Stability88ScourNN										
Paint/Coating4450% peelingAbutment Stability88Scour/Erosion88Piers/Bents (Type : PIER-SOLID) Bearing Seats/Caps88(Type : ONCRETE) (Total Number of Bearing Piles : 0:0:0) Pier Shaft/Piles88Piers/Sents (Colour Description :) (Colour Code :)88Pier Stability88ScourNNNoseNN	Wingwalls		4	4	Cracking with corrosion staining at SE.					
Abutment Stability88Scour/Erosion88Scour/Erosion88Piers/Bents (Type : PIER-SOLID)Viewed from banks.Bearing Seats/Caps88(Type : CONCRETE) (Total Number of Bearing Piles : 0:0:0)Viewed from banks.Pier Shaft/Piles88Bracing/Struts/SheathingXXNose Plate88Paint/Coating (Colour Description :) (Colour Code :)XXPier Stability88ScourNN	Piles		N	N						
Scour/Erosion88Piers/Bents (Type : PIER-SOLID)Viewed from banks.Bearing Seats/Caps88(Type : CONCRETE)(Viewed from banks.)(Total Number of Bearing Piles : 0:0:0)88Pier Shaft/Piles88Bracing/Struts/SheathingXXNose Plate88Paint/Coating (Colour Description :) (Colour Code :)XXPier Stability88ScourNN	Paint/Coating		4	4	50% peeling					
Piers/BentsViewed from banks.(Type : PIER-SOLID)8Bearing Seats/Caps8(Type : CONCRETE)(Total Number of Bearing Piles : 0:0:0)Pier Shaft/Piles8Bracing/Struts/SheathingXXXNose Plate8Paint/CoatingX(Colour Description :)(Colour Code :)Pier Stability8ScourNNo	Abutment Stability		8	8						
(Type : PIER-SOLID)Viewed from banks.Bearing Seats/Caps88(Type : CONCRETE)(Total Number of Bearing Piles : 0:0:0)8Pier Shaft/Piles88Bracing/Struts/SheathingXXNose Plate88Paint/CoatingXX(Colour Description :)(Colour Code :)Pier Stability88ScourNN	Scour/Erosion		8	8						
(Type : PIER-SOLID)Viewed from banks.Bearing Seats/Caps88(Type : CONCRETE)(Total Number of Bearing Piles : 0:0:0)8Pier Shaft/Piles88Bracing/Struts/SheathingXXNose Plate88Paint/CoatingXX(Colour Description :)(Colour Code :)Pier Stability88ScourNN										
Bearing Seats/Caps 8 8 (Type : CONCRETE) (Total Number of Bearing Piles : 0:0:0) ************************************					Viewed from books					
(Type : CONCRETE)(Total Number of Bearing Piles : 0:0:0)Pier Shaft/Piles8Bracing/Struts/SheathingXXXNose Plate8Paint/CoatingX(Colour Description :)(Colour Code :)Pier Stability888			0	0						
(Total Number of Bearing Piles : 0:0:0)Pier Shaft/Piles88Bracing/Struts/SheathingXXNose Plate88Paint/CoatingXX(Colour Description :) (Colour Code :)			Ø	Ø						
Pier Shaft/Piles88Bracing/Struts/SheathingXXNose Plate88Paint/CoatingXX(Colour Description :) (Colour Code :)		0.0.0)								
Bracing/Struts/SheathingXXNose Plate88Paint/CoatingXX(Colour Description :) (Colour Code :)XPier Stability88ScourNN		0.0.0)	Q	ρ						
Paint/Coating X X (Colour Description :) (Colour Code :) (Colour Code :) 8 Pier Stability 8 Scour N										
(Colour Description :) (Colour Code :) Pier Stability 8 8 Scour N N	Nose Plate		8	8						
(Colour Description :) (Colour Code :) Pier Stability 8 8 Scour N N	Paint/Coating		X	X						
(Colour Code :) Pier Stability 8 8 Scour N N										
Pier Stability 8 8 Scour N N										
	,		8	8						
Debris (Y/N) Yes About 10m3 of drift caught on pier 1.	Scour		N	N						
	Debris (Y/N)	Yes			About 10m3 of drift caught on pier 1.					
Substructure General Rating 8 8	Substructure General Rating		8	8						

			Structu	re Usage
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				_
(D/S Direction : N)				-
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : CONCRETE)				
Guidebank/Spurs			X	
Adequacy of Opening			8	
(Fish Compensation Measure 1	: NONE)			
(Fish Compensation Measure 2	: NONE)			
Channel General Rating			7	
Grade Separation				
Road Alignment		7	7	
Traffic Safety Features		7	7	Chain link.
Туре	Fence			
Slope Protection		7	7	
(Type : CONCRETE)				
Bank Stability			7	
Drainage		7	7	
Grade Separation General Ra	ting	7	7	

73809 E-1 Bridge

Maintenance Recommendations													
Inspector Recommendations		Year	Inspecto	or Comments		Department Co	mmer		Target Year	Est. Cost	Cat #		
REPAIR/REPLACE BRIDGE RAIL		2011	Tighten East.	loose nut on South rail post #	15 from								
GALVANIZE/PAINT BRIDGE RAIL													
RETROFIT BRIDGE RAIL													
SEAL CURBS													
PATCH DECK													
SEAL DECK													
OVERLAY DECK													
REPAIR/REPLACE DECK JOINTS													
RESET/ PAINT BEARINGS													
REPAINT SUPERSTRUCTURE													
STRAIGHTEN/REPLACE MEMBERS													
WASHING													
SHOTCRETE REPAIRS													
REPAIR ABUTMENT SCOUR/EROSIO	ON												
PLACE ADDITIONAL RIP RAP													
REMOVE DRIFT ACCUMULATION													
OTHER ACTION		2011	Replace connecti	missing bolt @ NW approach	h								
OTHER ACTION		2011	Replace	broken guardrail post at NE.									
OTHER ACTION		2011	Seal cra	cks in ACP									
OTHER ACTION													
Structural Condition Rating (Last/No (%)	ow)	77.8/77.	8	Sufficiency Rating (Last/N (%)	ow) 6	63.8/68.5	Es	t. Repl. Yr	2052	Maint. Red	qd. (Y/N)	Yes	
Special Comments for Next Inspection						Department Comments							
Maintenance Reviewed By						Date			E	Estimated Total	0		
Proposed Long-Term Strategy													
On 3-Year Program (Y/N)													
Proposed Action													
Previous Inspector's Name	Arnold	Assenhe	eimer		Previous Assistant's Name			Wade Nannir	iga				
Next Inspection Date	04-Jul-	2013			Previous I	nspection Date							
Inspection Cycle (Default) (months)	21							30-Oct-2009					
Comment													