						E	sridge I	nspec	ction							
Bridge File Num	ber	76720 -1 Bridge						Form Type				PSR				
Year Built/Year		1977/	1977	7				Lot I	Lot No.		2					
Supstr						Insp	Inspector Name			Owen Salava						
Bridge or Town Name BITTERN			ERN LAKE				Insp	Inspector Class			BR CLS A					
Located Over CPR								Assi	Assistant Name							
Located On 13:10 C1 1			C1 19.49	3				Assi	Assistant Class							
Water Body Cl./Year								Insp	Inspection Date		27-Jun-2012	2				
Navigabil. Cl./Year									· · ·			Marcia Chav	/ez			
			EC 36 TW						Data Entry Date			15-Jul-2012				
		3:04:02, 53:00:21					Reviewer Name			John O'Brien						
			erta Transportation (AIT)						Review Date		05-Jul-2012					
Contract Main. A	Area	CMA1	6					Dep	Dept. Reviewer Name		Andrew Smi	kles				
Clear Roadway/	Skew	1	-33 deg. (ew Date		19-Jul-2012				
AADT/Year			/ 2011 (A)	1				· · ·	ow-Up I							
Road Classificat	tion	RAU-	213.4-120					_								
Detour Length (I	<u> </u>	30							1							
Allowable Load	(t): Sin	ngle C	S1 28		Semi	CS	S2 49		Train CS		CS	3 62		> On Cri	ritical Spans	
		L	825									>Critical Member > Primary Span				
Design Loading:			S25			Pe	osting I	nform	ation						y Opail	
Required Vert. (المعر		ting (m)				/stillig l	monn	lation							
Posted Vertical				No												
	NB		Bridge (n		In Adva	nce	(V/NI)	No	Lane	SB	0	n Bridge (m)		In Advand	ce (Y/N) No	
Remarks		equired		<u> </u>	III Auva	nce	(1/18)	INU	Lane	130		n bhuge (m)				
				Single					Semi Truck Tra			Troin				
Required Load Posting (t) Single																
	ed Loading (t) ed: Lane EB			Single At Junction (Y/N)			Na			Ne	Truck Train At Bridge (Y/N) No		Nia			
Posted:	Lane				· · ·		No		In Advance (Y/N) In Advance (Y/N)		No	At Bridge (Y/N)		-		
Posted: Lane WB A Remarks Not required.			At Junc	ction (Y/	IN)	No		in Adva	ance (r	/IN)	No	At Bri	age (Y/N)	No		
Hazard Marker At Bridge (Y/N) No																
Remarks Not required.																
Other Sign Type	es															
	- 4 -					Ut	ilities (Locat	ed at)							
Utility Attachme	nts							0								
Telephone								Gas								
Power									Municipal							
Others								Problem (Y/N) No			0					
Remarks							A									
						ast			ch Road Explanation of Condition							
Horizontal Alian	ment				L	<u>-ast</u> 7	NOW 7	On grade, crest to East.								
Horizontal Alignment				6	6		jiaue, (JIG51 10	∟dS							
Vertical Alignment Roadway Width (m) 13.000					0	0	-									
			13.00	0		6	6	-								
Approach Bump			Vee			0	Ö	N 4:	ing tra	noitica		ootor halts O		=		
Guardrail (Y/N)			Yes			6	4	IVIISS	sing trai	nsition	conn	ector bolts S	⊏œNt			
Guardrail				6	4											
Length (m) 99.000						No t	hrie bea	am.								
Current Standard (Y/N) No						-										
Termination T	уре		TUR	IED DOW	N	_	-	 .				• • .				
Drainage					5	5	Hole	e at NE	curb ne	ear tl	ne joint.					
Approach Road	d Gene	eral Ra	ting			6	6									
			-													

Superstructure							
Bridge Com	oonent						Explanation of Condition
(Primary Span : RD, 3 Spans, Lengths(m): 15.2-18.3-18.3, A-Ident Number:)							
Special Feat	ures						
Special Feature						Х	
(Туре:)							
Special Feature						Х	
(Type :)							
Wearing Surface/Deck Top Detail Ratings							
	N (%) 1 (%) 2 (%)			3 (%)			
Last	0		C	0	0		
Now	0.0	0	.0	0.0	0).0	
Wearing Surface (Material Type : CONCRETE - CONVENTIONAL CHI COAT)				NTIONAL CH	7 IP SEA	7 L	Stained at underside of most girders from leakage.
(Thickness	· · · · ·						-
Lateral Conne (Y/N)	ection Probler	n ì	res 📃				
Deck Top					N	N	
Deck Rideabi	ility				7	7	
Deck Joints					3	6	Extrusions & seal style joints replaced with KOCH or elastomeric
Temperatur	re (deg. C)		18				style since last inspection.
(Expansion	Type : OTHE	R)					
(Fixed Type	e : OTHER)						
Gap Size (r	nm)		Gap L	ocation			
0 W. abut							
0			W. pie	er			
0 E. pier				r			
0			E. abu	ıt			
						_	
Deck Drainag	je				4	6	Seats stained.
Drains Clogged (Y/N) No							Water undermined concrete slope protection. Damage from previous joint leakage but joints have been replaced.
Curbs/Mediar	<u>ำ</u>				6	6	
	: Standard)				-		
Scaling (Pe		()				1
Bridge Rail	,				7	7	
	LVANIZED S	TEEL B	RIDGE	TUBE)			-
Bridge Rail P				·,	7	7	
		OST ST	EEL;G	ALVANIZED			
Bridge Rail/P	osts Coating				5	5	Rusting at bottom of base plate, type.
					0		
(Type : GALVANIZED) Sidewalk					X	X	
Girder Detail	Ratings						
N (count) 1 (count) 2 (count)			3 (cou	unt)			
Last	0		C	0		0	
Now	0)	0		0	
Girders					7	7	
Cracking (Y	′/N)	1	No				
Spalling (Percent Area) 0							
(Number Of C							
Page 2							

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			Supers	tructure				
Bridge Component		Last	Now	Explanation of Condition				
(Primary Span : RD, 3 Spans	, Lengths(m): 15.2-18.	3-18.3, A	-Ident	Number:)				
Diaphragms/Cross Frame		X	X					
Bearings		6	6					
Temperature (deg. C) 18								
(Expansion Type : REINFOI				Reinforced pad brg.				
(Fixed Type :)		·						
Coating Adequate (Y/N)	Yes			1				
Functioning (Y/N) Yes								
Deck Underside		7	7	From grout key leakage - old staining				
Stains (Percent Area)	30							
Span Alignment Problems								
Vertical (Y/N)	No							
Horizontal (Y/N)	No							
Superstructure General Rat		6	6					
			Ŭ					
			Subst	ructure				
Bridge Component		Last	Now	Explanation of Condition				
Abutments								
Bearing Seats/Caps		3	4	Spalled at SW corner - photo				
(Type : CONCRETE)								
Backwalls/Breastwalls		N	N	Not visible				
Wingwalls		5	5					
Piles		N	N					
Paint/Coating			5	Tar				
Abutment Stability		7	7					
Scour/Erosion		3	3	Concrete slope protection eroded and dropped, cracking, void below W abut (photo).				
Piers/Bents								
(Type : PIER-COLUMN)				Both ends of west pier have small horizontal crack with rust staining.				
Bearing Seats/Caps		5	5					
(Type : CONCRETE)								
(Total Number of Bearing Pile	s : 8:8)							
Pier Shaft/Piles		7	7					
Bracing/Struts/Sheathing		X	Х					
Nose Plate		X	Х					
Paint/Coating			5					
(Colour Description : YELLO	OW)	5	-	1				
(Colour Code : 13538)				1				
Pier Stability		7	7					
Scour		X	X					
Debris (Y/N)	No							
Substructure General Rating	g	3	4					

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	5	Structu	re Usage					
	Last	Now	Explanation of Condition					
Grade Separation								
Road Alignment	X	X						
Traffic Safety Features	Х	Х						
Туре								
Slope Protection	3	3	West slope protection in poor condition with extensive settlement.					
(Type : CONCRETE; CONCRETE)			East side is settled and cracked - photo. Void @ NW. Water leaking between headslope cracks. Buckling at West abutment at bottom & heaved & cracked @ SW - photo. Cracks on East abutment slope protection. Settled 440mm East abutment. Settled 320mm West abutment, sealed with concrete @ top. Slope protection settled 100mm @ SE.					
Bank Stability	5	5						
Drainage	5	5						
Grade Separation General Rating	3	5						

		Maintenance Recommend	lations					
Inspector Recommendations	Year	Inspector Comments	Department Com	ments		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								
RESET/ PAINT BEARINGS								
WASHING								
SHOTCRETE REPAIRS								
REPAIR ABUTMENT SCOUR/EROSION								
PLACE ADDITIONAL RIP RAP								
REMOVE DRIFT ACCUMULATION								
OTHER ACTION	2012	Repair west slope protection 100m2						
OTHER ACTION	2012	Patch spalled SW abutment seat corner, 0.1m3 OH-V.	5					
OTHER ACTION	2012	Seal wide crack @ SE concrete slope.						
OTHER ACTION	2012	Upgrade approach rail to meet std.						
OTHER ACTION	2012	Connect transition rail to bridgerail - 2 bolts at each corner.						
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
Structural Condition Rating (Last/Now) (%)	50.0/55	.6 Sufficiency Rating (Last/Now) (%)	49.3/54.6	Est. Repl. Yr	2040	Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments					
Maintenance Reviewed By		Date		E	stimated Total	0		
Proposed Long-Term Strategy							1	
On 3-Year Program (Y/N)								

Proposed Action			
Previous Inspector's Name	Owen Salava	Previous Assistant's Name	
Next Inspection Date	27-Mar-2014	Previous Inspection Date	31-Aug-2010
Inspection Cycle (Default) (months)	21		
Comment			