						:	Bridge I	nspe	ction						
Bridge File Number 77015 -1		7015 -1 Bridge					Form Type			PCS					
Year Built/Year		1969/196	969/1969					Lot	Lot No.		2				
Supstr		NITRANIOE					Inspector Name		Todd Warshawski						
		TRANCE NTER CREEK, 8.11.118.3.4.1,					Inspector Class			BR CLS B					
Located Over WINTER WATERC		CREEK, CRS-ST	8.11.11	8.3.4.1,			Assistant Name								
Located On		40:30 C1	23.928					Assistant Class							
Water Body CI./	Year							Inspection Date			30-Oct-2012				
Navigabil. Cl./Ye	ear							Data Entry By			Lisa Fairhurst				
Legal Land Loca	ation	SW SEC	C 19 TWP 52 RGE 26 W5M					Data Entry Date			20-Nov-2012				
Longitude, Latitu	ıde	-117:49:3	9:33, 53:29:59					Reviewer Name			Eric Carcoux				
Road Authority		Alberta T	ransporta	ation (Al	T)			-	view Dat			12-Nov-2012			
Contract Main. A	Area	CMA13										Brent Herric			
Clear Roadway/	Skew	9.1 /							t. Revie		е	22-Nov-2012	2		
AADT/Year		2,040 / 20	011 (A)					Follo	ow-Up E	Зу					
Road Classificat	ion	RAU-209	-110												
Detour Length (	km)	420													
Allowable Load	(t): Sir	ngle CS1 GIRI			Semi		S2 49 IRDER			Train		33 65		> On Critical Spans >Critical Member	
Design Loading:		HS2				G	IKDEK				GIF	IRDER		> Primary Span	
Design Loading.		1102	0			P	osting l	nforn	nation					> i ililiary	Эрап
Required Load F	Postino	ı (t)	Single						Semi				Truc	k Train	
Posted Loading			Single						Semi				Truck Train		
Posted:	Lane	NB			tion (Y/N	<b>1</b> )	No	_	In Adva	nce (Y	//N)	No		At Bridge (Y/N) No	
Posted:	Lane	SB			tion (Y/N		No	1	In Adva			No		idge (Y/N)	No
Remarks		equired.			,									<u> </u>	
Hazard Marker	At Brid	ge (Y/N)	Yes												
Remarks	J ( )			250mm too high.											
Other Sign Type	s		Information.												
						Ut	tilities (l	Locat	ted at)						
Utility Attachmer	nts T	ELEPHON	IE UTILI	ΓIES-PH	IONE LII	NE									
Telephone	West	side/cond	uit; East ı	/w.				Gas	3						
Power	1 wire	East r/w.							Municipal						
Others								Prol	blem (Y	/N) N	10				
Remarks															
							Approa	_				_			
					L	ast		T -	lanatio						
Horizontal Aligni						6	6		ate inter passing			Om North.			
Vertical Alignme			0.400			7	7	<u> </u>				ala acticl		a ^ ^ ^	
	Roadway Width (m)		8.400			4	4	Frost heave @ both ends causing bump @ ends. ACP uneven & cracked.(photo)							
Approach Bump			Vos	\ <u>\</u>			4	-	**		n n el !:	ooufficient len	ath N	lot otto sha di	o bridge Net
Guardrail (Y/N)		Yes			<i>E</i>			ufficient   e beam.	posts a	and II	isuilicient ler	igtn. N	iot attached t	to bridge. Not	
Guardrail		30.400			5	5									
, , ,		No													
Current Standard (Y/N) No Termination Type Turned		Down													
Drainage	ype		Turried	וואטם		5	N	Sno	w cover	ed. N	o issi	ued apparent	t.		
Approach Road	d Gene	eral Ratino	<b>a</b>			6	6								
			•												

Primary Span						Suners	structure
(Pinnary Span : HC, 1 Spans, Lengths(m): 6.1, A-Ident Number : )	Bridge Com	ponent					
Special Feature			ns. Lenaths	(m): 6.1. A-Ide			
Special Feature				, , , , , , ,		,	
Type :   Special Feature						X	
Special Feature	·	<del></del>					
Type :   Wearing Surface/Deck Top Detail Ratings		ure				X	
Wearing Surface/Deck Top Detail Ratings		<u></u>					
N (%)		ace/Deck Ton	Detail Ratin	as .			
Last   0	Wearing Sun				3 (%)		
Now	l ast		<u> </u>			0	_
Wearing Surface   7   6     (Material Type : ACP - CONVENTIONAL CHIP SEAL COAT)   (Thickness(mm) : 50)     Lateral Connection Problem (YN)   No		1	-	-		-	
(Material Type : ACP - CONVENTIONAL CHIP SEAL COAT)         (Thickness(mm) : 50)           Lateral Connection Problem (Y/N)         No         N         N         Paved over.           Deck Top         N         N         N         Paved over.           Deck Top         N         N         N         Paved over.           Deck Rideability         7         6         N         Paved over.           Deck Joints         N         N         N         Paved over.           Bump (Y/N)         No         N         N         Paved over.           Deck Joints         N         N         N         Paved over.           Bump (Y/N)         No         N         N         Paved over.           Bump (Y/N)         No         N         N         Paved over.           Curbs Whedian         6         N         (Minor chips on exterior east curb. Abrasion wear on curb faces07-feb-2009)         Snow covered.           Scaling (Percent Area)         0         Single layerW. beam Incorrect lay @ West rail - photo.         Posts snow covered.           If type : GALVANIZED STEEL; GALVANIZED POST STEEL; GALVANIZED POST STEEL; GALVANIZED REAL STEEL; GALVANIZED REAL STEEL STEEL; GALVANIZED Steep Real Real Real Real Real Real Real Real			0.0	0.0			
Chickness(mm) : 50				IAI CUID SEA			
Lateral Connection Problem (Y/N)  Deck Top  Deck Top  Deck Rideability  7 6  Deck Rideability  7 6  Deck Rideability  7 6  Deck Rideability  7 6  Deck Rideability  7 7 6  Deck Joints  Bump (Y/N)  Deck Drainage  Drains Clogged (Y/N)  Dock Drainage  Drains Clogged (Y/N)  No  Curbs Median  Curbs Median  Curbs Type : Standard)  Scaling (Percent Area)  Deck Bridge Rail  Type : GALVANIZED STEEL FLEX BEAM)  Bridge Rail  Flow : GALVANIZED STEEL FLEX BEAM    Bridge Rail Posts  Type : GALVANIZED POST STEEL;GALVANIZED POST  STEEL)  Bridge Rail Ratings  N (count)  A (count)  Last  N (count)  Last  O O O 2  Now  O O O O O  Girders  Spalling (Percent Area)  Last Complete Inspection Date  30-Oct-2012  Gracking (Y/N)  Yes  Spalling (Percent Area)  2 Lift or Connector Pocket Grouted (Y/N)  Nounther Of Girders : 12)  Span Alignment Problems  Vertical (Y/N)  No  N  N Paved over.  N (Minor chips on exterior east curb. Abrasion wear on curb faces07-feb-2009)  Snow covered.  Single layerW.beam Incorrect lap @ West rail - photo.  Posts snow covered.  Single layerW.beam Incorrect lap @ West rail - photo.  Posts snow covered.  Single layerW.beam Incorrect lap @ West rail - photo.  Posts snow covered.  Single layerW.beam Incorrect lap @ West rail - photo.  Posts snow covered.  Single layerW.beam Incorrect lap @ West rail - photo.  Posts snow covered.  Single layerW.beam Incorrect lap @ West rail - photo.  Posts snow covered.  Single layerW.beam Incorrect lap @ West rail - photo.  Posts snow covered.  Single layerW.beam Incorrect lap @ West rail - photo.  Socialing (Percent Area)  Single layerW.beam Incorrect lap @ West rail - photo.  Socialing (Percent lape layerW.beam Incorrect lap @ West rail - photo.  Socialing (Percent lape lape lape lape lape lape lape lape			ONVENTIO	NAL CHIP SEA	LCOAI	)	
Y/N   Deck Top			- NI-				
Deck Top		ection Problen	n INO				
Deck Joints					N	N	Paved over.
Deck Joints							
Bump (Y/N)	Deck Rideab	ility			7	6	
Bump (Y/N)	Deck Joints				N	N	Paved over.
Drains Clogged (Y/N) No  Curbs/Median 6 N  (Curb Type : Standard) Scaling (Percent Area) 0  Bridge Rail (Type : GALVANIZED STEEL FLEX BEAM)  Bridge Rail Posts 7 N  (Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)  Bridge Rail/Posts Coating 7 7  (Type : GALVANIZED)  Sidewalk X X  Girder Detail Ratings  N (count) 1 (count) 2 (count) 3 (count)  Last 0 0 0 0 2  Now 0 0 0 0 0  Girders 3 4  Last Complete Inspection Date 30-Oct-2012  Cracking (Y/N) Yes  Spalling (Percent Area) 2  Lift or Connector Pocket Grouted (Y/N) No  Horizontal (Y/N) No	Bump (Y/N	)	No				
Drains Clogged (Y/N) No  Curbs/Median 6 N  (Curb Type : Standard) Scaling (Percent Area) 0  Bridge Rail (Type : GALVANIZED STEEL FLEX BEAM)  Bridge Rail Posts 7 N  (Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)  Bridge Rail/Posts Coating 7 7  (Type : GALVANIZED)  Sidewalk X X  Girder Detail Ratings  N (count) 1 (count) 2 (count) 3 (count)  Last 0 0 0 0 2  Now 0 0 0 0 0  Girders 3 4  Last Complete Inspection Date 30-Oct-2012  Cracking (Y/N) Yes  Spalling (Percent Area) 2  Lift or Connector Pocket Grouted (Y/N) No  Horizontal (Y/N) No	Deck Drainag	ge			5	4	Snow/ice limits drainage
Curbs/Median 6 N (Minor chips on exterior east curb. Abrasion wear on curb faces07-Feb-2009) Snow covered.  Bridge Rail Crype : GALVANIZED STEEL FLEX BEAM)  Bridge Rail Posts 7 N (Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)  Bridge Rail/Posts Coating 7 7 T (Type : GALVANIZED POST STEEL)  Bridge Rail/Posts Coating 7 7 T (Type : GALVANIZED)  Sidewalk X X X  Girder Detail Ratings			No				- T
Ccurb Type : Standard   Scaling (Percent Area)   O					6	N	(Minor chips on exterior east curb. Abrasion wear on curb faces -07-
Scaling (Percent Area) 0  Bridge Rail (Type : GALVANIZED STEEL FLEX BEAM)  Bridge Rail Posts 7 N (Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL;GALVANIZED POST STEEL;GALVANIZED POST STEEL;GALVANIZED POST STEEL;GALVANIZED POST STEEL;GALVANIZED)  Bridge Rail/Posts Coating 7 7 7 (Type : GALVANIZED)  Sidewalk X X X  Girder Detail Ratings  N (count) 1 (count) 2 (count) 3 (count)  Last 0 0 0 0 2  Now 0 0 0 0 0  Girders 3 4  Cast Complete Inspection Date 30-Oct-2012  Cracking (Y/N) Yes  Spalling (Percent Area) 2  Lift or Connector Pocket Grouted (Y/N)  Klumber Of Girders : 12)  Span Alignment Problems  Vertical (Y/N) No							Feb-2009)
Bridge Rail (Type : GALVANIZED STEEL FLEX BEAM)  Bridge Rail Posts 7 N (Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL;GALVANIZED POST STEEL)  Bridge Rail/Posts Coating 7 7 (Type : GALVANIZED)  Sidewalk X X  Girder Detail Ratings N (count) 1 (count) 2 (count) 3 (count)  Last 0 0 0 0 2  Now 0 0 0 0 0  Girders 3 4  Last Complete Inspection Date 30-Oct-2012 Cracking (Y/N) Spalling (Percent Area) 2 Lift or Connector Pocket Grouted (Y/N) (Number Of Girders : 12)  Span Alignment Problems Vertical (Y/N) No		•	0				Snow covered.
Incorrect lap @ West rail - photo.		sicent Alea)	0		1	1	Single layer W heam
Bridge Rail Posts		I VANIZED ST	reel elev	DEAM\	4	4	Incorrect lap @ West rail - photo.
Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)   Bridge Rail/Posts Coating   7   7     (Type : GALVANIZED)			I CCL FLEX	DEAIVI)	7	NI.	Posts snow covered
Bridge Rail/Posts Coating   7   7			OST STEEL	GALVANIZED		IN	Toda show covered.
Circle   Count   Cou						_	
Sidewalk					7	7	
Sinder Detail Ratings		LVANIZED)					
N (count)	Sidewalk				X	X	
N (count)	Girder Detail	Ratings					
Last         0         0         0         2           Now         0         0         0         0           Girders         3         4         G2 punchout less than 150mm - partially patched G5 spalls outside AZ, wide cracks in AZ Wide cracks in AZ Wide cracks in 8 of 12 girders. Concrete is sound           Cracking (Y/N)         Yes         Spalling (Percent Area)         2           Lift or Connector Pocket Grouted (Y/N)         Wide cracks in 8 of 12 girders. Concrete is sound           (Number Of Girders : 12)         Span Alignment Problems           Vertical (Y/N)         No           Horizontal (Y/N)         No	I		1 (count)	2 (count)	3 (co.	ınt)	
Now 0 0 0 0 0  Girders 3 4 G2 punchout less than 150mm - partially patched G5 spalls outside AZ, wide cracks in AZ Wide cracks in AZ Wide cracks in 8 of 12 girders. Concrete is sound  Cracking (Y/N) Yes  Spalling (Percent Area) 2  Lift or Connector Pocket Grouted (Y/N)  (Number Of Girders: 12)  Span Alignment Problems  Vertical (Y/N) No  Horizontal (Y/N) No	Last	, ,	<u> </u>				
Girders  Last Complete Inspection Date Cracking (Y/N) Spalling (Percent Area) Lift or Connector Pocket Grouted (Y/N) (Number Of Girders : 12)  Span Alignment Problems Vertical (Y/N) No  G2 punchout less than 150mm - partially patched G5 spalls outside AZ, wide cracks in AZ Wide cracks in 8 of 12 girders. Concrete is sound  Wide cracks in 8 of 12 girders. Concrete is sound  Wide cracks in 8 of 12 girders. Concrete is sound  Vertical (Y/N) No	Now						
Last Complete Inspection Date Cracking (Y/N) Spalling (Percent Area) 2 Lift or Connector Pocket Grouted (Y/N) (Number Of Girders: 12)  Span Alignment Problems Vertical (Y/N) No Horizontal (Y/N) No						i	G2 punchout less than 150mm - partially patched
Cracking (Y/N) Yes  Spalling (Percent Area) 2  Lift or Connector Pocket Grouted (Y/N)  (Number Of Girders: 12)  Span Alignment Problems  Vertical (Y/N) No  Horizontal (Y/N) No		te Inspection F	)ate 30-0	ct-2012		'	G5 spalls outside AZ, wide cracks in AZ
Spalling (Percent Area) 2  Lift or Connector Pocket Grouted (Y/N)  (Number Of Girders : 12)  Span Alignment Problems  Vertical (Y/N) No  Horizontal (Y/N) No	·						vvide cracks in 8 of 12 girders. Concrete is sound
Lift or Connector Pocket Grouted (Y/N) (Number Of Girders : 12)  Span Alignment Problems  Vertical (Y/N) No Horizontal (Y/N) No							
(Number Of Girders : 12)           Span Alignment Problems           Vertical (Y/N)         No           Horizontal (Y/N)         No	Lift or Connector Pocket						
Span Alignment Problems   Vertical (Y/N) No   Horizontal (Y/N) No	,	•					
Vertical (Y/N) No No No			s				
Horizontal (Y/N) No							
Superstructure Seneral Nating		·				1	
	Superstruct	uie Gellelai K	aung		J 3	4	

					Subst	ructure					
Bridge Com	ponent			Last	Now						
Abutments	<del>, , , , , , , , , , , , , , , , , , , </del>	1			111011	Explanation of Containon					
	Backwall Piles	s (Y/N) : <b>Y</b> )									
		s Spacing(mm	) : 1800)								
	er of Caps/Co		, . 1000)			2 - 350 x 300 on 300 x 300 subcap.					
_	•		ns			Gaps between caps and 5 pilesphoto					
Bearing Seats/Caps/Corbels Detail Ratings  N (count) 1 (count) 2 (count)					unt)	-					
Last	0	0	1		0	Reduced bearing due to pile movement - photo					
Now	0	0	0		0	-					
Bearing Seats/Caps/Corbels			2	4	-						
	EATED TIMB										
(Depth(mm		LIX)				_					
	•					_					
(Width(mm Backwalls/Br	· · ·			1	1	N. 9. Chaply valle beauty day 5, and due to beaution automaion miles					
		2.20		4	4	N & S backwalls heaved on E. end due to heaving extension piles					
Greatest H	eigni (III)	2.30				300mm gap @ bottom North backwall.					
Wingwalls				3	3	Tin tops damaged at SW. (Insufficient fill @ NE wingwall., separation from BW @ NE wingwall)  Extension piles heaving on East sidephoto					
(Total Numbe	er of Bearing I	Piles : <b>7:7</b> )				Gap @ P1N, P1S, P2S, P6S & P7S between piles and caps. Piles					
Piles Detail R		·				have narrow vertical splits, typical - photo.  Added planks limit access					
	N (count)	1 (count)	2 (count)	3 (cou	unt)						
Last	4	0	0		0	A1-P2 pushing inward with 50% loss of bearing					
Now	6	0	0		0						
Piles	Piles										
Paint/Coating	3			Х	Х						
Abutment Sta	ability			4	4						
Scour/Erosio	n			3	4	(Void between NE wing and backwalls. Erosion hole @ NE cornerphoto Nov/10)					
Piers/Bents											
(Type:)											
	er of Caps/Co	rbels : )									
		els Detail Ratin	gs								
	N (count)	1 (count)	2 (count)	3 (cou	unt)						
Last	0	0	0		0						
Now											
Bearing Seat	s/Caps/Corbe	els		Х	X						
(Type:)											
(Depth(mm	n):)										
(Width(mm	· · · · · · · · · · · · · · · · · · ·										
, ,	er of Bearing F	Piles : )									
Piles Detail Ratings											
	N (count)	1 (count)	2 (count)	3 (cou	unt)						
Last	0	0	0		0						
Now											
Pier Shaft/Piles X						1					
Greatest Height (m)					1						
Bracing/Strut				Х	X						
Nose Plate				X	X						

			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Paint/Coating			X	
(Colour Description : )				
(Colour Code : )				
Pier Stability			X	
Scour		Х	Х	
Debris (Y/N)	Yes			
Substructure General Rating	_	2	4	
			Structu	re Usage
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		7	8	
Bank Stability		4	8	
HWM (m below Top of Curb)				HWM not visible
Drift (Y/N)	Yes			0.3m ice to girder bottom noted in Nov/10
Slope Protection		4	4	Loss of fill along backwalls
(Type : <b>NONE; NONE</b> )				
Guidebank/Spurs			X	
Adequacy of Opening			5	
(Fish Compensation Measure 1	: NONE)			
(Fish Compensation Measure 2	: NONE)			
Channel General Rating		4	4	

77015 -1 Bridge

Bridge Inspection & Maintenance System (Web 2005)

			Maintenance Recomme	ndations					
Inspector Recommendations	Year	Inspecto	or Comments	Department Co	omments		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL	2013	Connect to doubl West ra	t guardrails to bridge ends & upgrade le layer to meet standard. Fix lap in il.	1					
SEAL CURBS									
PATCH DECK									
OVERLAY DECK									
STRAIGHTEN/REPLACE MEMBERS									
WASHING									
SHOTCRETE REPAIRS									
CORE TIMBER CAPS/CORBELS									
REPAIR/REPLACE TIMBER CAPS									
REPAIR ABUTMENT SCOUR/EROSION	2013	Fill scou	ur/erosion hole @ NE corner if not						
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL STRUTS									
OTHER ACTION	2013	NE wing	e and lower North abutment backwall gwall and repair connection between ll and abut. 40m3 gran fill @ all lls. Replace tin tops at SW.	&					
OTHER ACTION									
OTHER ACTION	2013	Reset h	azard markers to 1.2m above road.						
OTHER ACTION	2013	Reset h	azard markers to 1.2m above road						
OTHER ACTION	2013	Patch a	pproach ACP						
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/Now) (%)	27.8/44	.4	Sufficiency Rating (Last/Now) (%)	44.0/51.5	Est. Repl. Yr	2015	Maint. Re	qd. (Y/N)	Yes
Special Monitor girder deterioral Comments for Next Inspection	ation for next	2 inspect	ions.	Department Comments					
Maintenance Reviewed By				Date		E	stimated Total	0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name Wayne Cappellani Previous Assistant's Name									

Alberta Transportation Bridge Inspection & Maintenance System (Web 2005)

Next Inspection Date	30-Jul-2014	Previous Inspection Date	02-Oct-2012
Inspection Cycle (Default) (months)	21		
Comment			