							=	Bridge lı	nspec	tion							
Bridge File Number 75186 -1 Bridge									Form Type			PSR					
Year Built/Year 1960/196			960/1960					Lot N	Lot No.			1					
Supstr									Insp	Inspector Name			Eric Carcoux				
Bridge or Town Name BARRHEA									Insp	Inspector Class			BR CLS A				
				NA RIVER, 8.11.84, WATERCRS-ST				Assistant Name			Wade Nanninga						
Located On 33:06 C1 0				0.044					Assistant Class			BR CLS B					
Water Body Cl./									Inspection Date			07-Sep-2011					
Navigabil. Cl./Ye		QE.	SEC (	9 TWP 58 RGE 3 W5M						a Entry	Ву		Theresa Lacusta				
										Data Entry Date			04-Oct-2011				
				04, 53:59:37 Transportation (AIT)					Reviewer Name			Arnold Assenheimer					
Contract Main. A	\rea		IA10	ansport	וא) ווסוו	' )			Review Date			30-Sep-2011					
Clear Roadway/													Brent Herrick				
AADT/Year	ORCW	+		)10 (A)							ew Dat	:e	05-Oct-201	1			
Road Classificat	ion		U-209						Follo	ow-Up	Ву						
Detour Length (I		31							-								
Allowable Load			CS1 GIRE		Semi		C	S2 49			Train	CS3 62			> On Critical Spans >Critical Member		
Design Loading:			HS20	)											> Primary Span		
							Po	osting l	nform	ation							
Required Load Posting (t)				Single						Semi			Truc	Truck Train			
Posted Loading	Posted Loading (t)				Single				:	Semi			Truck Train				
Posted:	Lane		NB		At Junction (Y/N)			No	In Advance (Y/N)		No	At B	ridge (Y/N)	No			
Posted:	Lane		SB At Junction (Y/			/N)	No	In Advance (Y/N)		No	At B	ridge (Y/N)	No				
Remarks Not required.																	
Hazard Marker At Bridge (Y/N) No																	
Remarks																	
Other Sign Type	S			Informa	tion, Cur	ve, Wa					et, Rive	er ID	@ NW corne	r only.			
Little Attackers	- 4 - T		DLION	- UTU 1		ONE		tilities (l	Locat	ed at)							
Utility Attachmen					ΓIES-PH	ONE L	IINE		0								
Telephone	vvest	siae	of brid	ige.					Gas								
Power										icipal	//NI) N	·/					
Others	Cand	ار الله	ساامط م	nort loo	otions so	bla av		d sond	Problem (Y/N) Yes uit corroded.								
Remarks	Cond	iuit p	ulled a	part, ioc	alions ca	ibie ex	pose	Approa									
							Last	Now		Explanation of Condition							
Horizontal Align	ment						5	5	Between 2 curves, limited sight distances, no passing.								
Vertical Alignme							6	6					J		. 0		
Roadway Width				9.500													
Approach Bump						6	6										
Guardrail (Y/N)				Yes					SE - 110.2m; SW - 41.8m; NE - 45.6m; NW - 115.5m.								
Guardrail						4	6		Insufficient post spacing. No thrie beam								
Length (m)			42.000					- NO TIME DEATH									
Current Stand	ard (Y	/N)		No													
Termination T	уре			Turned	Down												
Drainage Tallies Jelli					4	4		W approach down drain cracked, eroding underneath & down sloeside wingwall.				a & down slope					
Approach Road	Approach Road General Rating						5	5									

						Supars	tructure			
Bridge Comp	onent						Explanation of Condition			
		ns. Lenat	hs(m)	: 30.5-30.5-			dent Number: )			
Special Feat		, <u>g</u> .	( )			,				
Special Feature						X				
(Type:)										
Special Featu	ıre					Х				
(Type:)	-									
Wearing Surfa	ace/Deck Ton	Detail Ra	tinas							
Troaming Carre	N (%) 1 (%) 2 (%)		2 (%)	3 (%)						
Last	11 (70)	1 (70)		2 (70)						
Now										
Wearing Surf			5	5	Peeling chipseal over epoxy, few small spots. Typically adjacent to					
	pe : <b>CONCR</b>	FTF - CON	NVENT	TIONAL CH			joints.			
COAT)	·		NVEIN	HONAL CH	IF SEA					
(Thickness)										
Lateral Conne (Y/N)	ection Probler	m No								
Deck Top					N	N				
Deck Rideabi	lity				6	5				
Deck Joints					5	3				
Temperatur	e (deg. C)	15					Shaved bolt in N pierphoto			
OR SLIDIN	(Expansion Type : ARMOURED GLAND (WABO UND OR SLIDING PLATES))  (Fixed Type : ARMOURED GLAND (WABO UNDER F									
SLIDING P	LATES))	D GLANL	J (VVAI	BO UNDER	FINGE	N ON				
Gap Size (r	nm)	G	ap Lo	cation						
65		N	. abut							
75		N	. pier							
75		С	. pier							
70		S	. pier							
60		S	. abut							
Dook Drainge	10				7	7				
Deck Drainag  Drains Clog		No			7	7				
Curbs/Mediar		INO			N	4	Ext out facin on Couth onen medium scaled Dlawsers - 51			
					N	4	Ext curb fascia on South span medium scaled. Plow scrapes. East side curb scaling on the top side S1. Outside of curb over piers			
	: Standard)	25					concrete deteriorated, few spalls.			
Scaling (Pe	rcent Area)	25					There are 6 postions of bridge with boot western late. On a standard of the st			
Bridge Rail		TEE: \/==	TIO 4	L DAD)	3	3	There are 6 sections of bridgerail with bent vertical slats. One section West rail North span with broken verticals. Insufficent thread on 30%			
	LVANIZED S	IEEL VER	RTICAL	L BAK)			of A/B, 2 locations with either missing nut or sheared A/B's.			
Bridge Rail P		00T 0===			N	3				
(Type : GAI STEEL)	(Type: GALVANIZED POST STEEL;GALVANIZED F STEEL)									
Bridge Rail/Posts Coating					6	5				
(Type : GALVANIZED)										
Sidewalk	Sidewalk					X				
Girder Detail	Ratings									
N (count) 1 (count) 2 (count)					3 (cou	ınt)				
Last	est									
Now	0	0		0		4				

Superstructure										
Bridge Component		Last		Explanation of Condition						
(Primary Span : PO, 4 Spans,	Lengths(m): 30.5-30.5-	-30.5-30		•						
Girders	· · ·	4	3	Sides of girders at ends have spalling over piers and vertical cracks.						
Cracking (Y/N) Yes				Corroded rebar visible.						
Spalling (Percent Area)										
(Number Of Girders : 20)										
Diaphragms/Cross Frame		6	6	5% rust.						
τγ το πτ										
Bearings		5	5	Bearings on the piers viewed with binoculars. Superficial rust on ext						
Temperature (deg. C)	15			bearings. @ abutments. Pier top spall extends under East bearing, P3 North.						
(Expansion Type : <b>SLIDING</b>	PLATE)									
(Fixed Type : PINNED BEAR	RING)									
Coating Adequate (Y/N)	Yes									
Functioning (Y/N)	Yes		_							
Deck Underside		5	5	Isolated construction spall between G4/G5 on South span.						
Stains (Percent Area)	0									
Span Alignment Problems										
Vertical (Y/N)	No									
Horizontal (Y/N)	No									
Superstructure General Ratin	ng	4	3							
			Cubet							
Bridge Component		Last	Now	Explanation of Condition						
Abutments		Lasi	INOW	Explanation of Condition						
Bearing Seats/Caps		7	7							
(Type : CONCRETE)										
Backwalls/Breastwalls			6	Cracking with staining South abut.						
Wingwalls			6	Cracking @ construction joints.						
Piles			N							
Paint/Coating		X	X							
Abutment Stability		5	5							
Abutifierit Stability		3	3							
Scour/Erosion		5	4	South headslope settled 200mm.						
				Lower headslope scouring neat South pier.						
Piers/Bents										
(Type : PIER-SOLID)				Cracked, stained, some ice scars.						
Bearing Seats/Caps		4	4							
(Type : CONCRETE)										
(Total Number of Bearing Piles	s : 0:0:0)		T -							
Pier Shaft/Piles		5 X	5							
Bracing/Struts/Sheathing			X							
Nose Plate			6							
Paint/Coating		4	4	Rusting on nose plates.						
(Colour Description : )										
(Colour Code : )										
Pier Stability		7	7							
Scour		N	N							
		- '								
Debris (Y/N)	Yes			Caught on center pier.						

Substructure										
Bridge Component I			Now	Explanation of Condition						
Substructure General Rating		4	4							
			re Usage							
		Last	Explanation of Condition							
Channel		Lust	INOW	Explanation of condition						
(U/S Direction : W)										
(D/S Direction : E)										
Alignment		8	8							
Bank Stability			6							
HWM (m below Top of Curb)				HWM not visible. Some trees fallen into river North bank.						
Drift (Y/N)	Yes			Some trees failen into river North bank.						
Slope Protection		5	4	Concrete bags top South headslope-lower headslope scouring						
(Type: NATURAL; CONCRET	E)									
Guidebank/Spurs		Х	X							
Adequacy of Opening		8	7							
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating		5								

75186 -1 Bridge

Bridge Inspection & Maintenance System (Web 2005)

		Maintenance R	Recommendations					
Inspector Recommendations	Year	Inspector Comments	Department Co	mments		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL	2011	Replace sheared post A/B & install missing. Missing rail bolt.	nuts where					
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/EROSI	ON							
PLACE ADDITIONAL RIP RAP								
REMOVE DRIFT ACCUMULATION								
OTHER ACTION	2011	Reinstall hazard markers to meet s	tandard.					
OTHER ACTION	2011	Advise Telus of broken & corroded replace.	conduit &					
OTHER ACTION	2011	Fill gap under South abutment.						
OTHER ACTION	2011	Patch exterior girders over piers.						
OTHER ACTION	2011	Patch NW drain trough.						
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
Structural Condition Rating (Last/N (%)	ow) 44.4/38	Sufficiency Rating (Last	/Now) 44.3/38.6	Est. Repl. Yr	2030	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								
On 3-Year Program (Y/N)								
Proposed Action								
Previous Inspector's Name	Eric Carcoux		Previous Assistant's Name					
Next Inspection Date	07-Jun-2013		Previous Inspection Date	Previous Inspection Date 17-Dec-2009				
Inspection Cycle (Default) (months)	21							

Alberta Transportation Bridge Inspection & Maintenance System (Web 2005)

75186 -1 Bridge

Comment