

Bridge Inspection											
Bridge File Number	75694 -1 Bridge				Form Type	PSR PCS					
Year Built/Year Supstr	1975/1975				Lot No.	4					
Bridge or Town Name	JEAN D PRAIR				Inspector Name	Brian Pientsch					
Located Over	LAWRENCE RIVER, 8.10.12, WATERCRS-ST				Inspector Class	BR CLS A					
Located On	58:12 C1 0.009				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	19-Jun-2012					
Legal Land Location	SE SEC 31 TWP 110 RGE 7 W5M				Data Entry By	Theresa Lacusta					
Longitude, Latitude	-115:09:24, 58:35:25				Data Entry Date	19-Nov-2012					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux					
Contract Main. Area	CMA01				Review Date	01-Nov-2012					
Clear Roadway/Skew	8.5 /				Dept. Reviewer Name	David Morrison					
AADT/Year	230 / 2011 (A)				Dept. Review Date	11-Jan-2013					
Road Classification	RAU-209-110				Follow-Up By						
Detour Length (km)	999										
Allowable Load (t):	Single	CS1 28			Semi	CS2 49			Train	CS3 62	----> On Critical Spans ---->Critical Member
Design Loading:	HS25									----> Primary Span	

Posting Information									
Required Load Posting (t)			Single		Semi		Truck Train		
Posted Loading (t)			Single		Semi		Truck Train		
Posted:	Lane	EB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	WB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Remarks									
Hazard Marker At Bridge (Y/N)		Yes							
Remarks									
Other Sign Types		Lawrence River.							

Utilities (Located at)										
Utility Attachments										
Telephone					Gas					
Power	3 wire @ edge of S. row.				Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			9	9	In long valley with good sight distance.				
Vertical Alignment			7	7					
Roadway Width (m)	8.500				Numerous minor dents. Insufficient posts near bridge.				
Approach Bump			5	5					
Guardrail (Y/N)	Yes								
Guardrail			5	5					
Length (m)	30.400								
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN ENDS								
Drainage			7	7					
Approach Road General Rating			7	7					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : VF, 3 Spans, Lengths(m): 9.1-32-9.1, A-Ident Number:)						
Special Features						
Special Feature			7			
(Type : EXT LATER POST TENS)						
Special Feature			7			
(Type : UNDERSLUNG DIAPHR)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
Last	40	0	0	0		
Now						
Wearing Surface			7	7	fibre reinforced	
(Material Type : CONCRETE)						
(Thickness(mm) : 50)						
Lateral Connection Problem (Y/N)		No				
Deck Top			N	N		
Deck Rideability			8	8		
Deck Joints			7	7	Strip seal	
Temperature (deg. C)		19				
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))						
(Fixed Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))						
Gap Size (mm)		Gap Location				
58		E ABUT				
25		E PIER				
70		W PIER				
64		W ABUT				
Deck Drainage			7	7		
Drains Clogged (Y/N)		No				
Curbs/Median			N	6		
(Curb Type : Standard)						
Scaling (Percent Area)		5				
Bridge Rail			4	4	Rail section on backwards - photo. Anchor bolts do not protrude high enough to completely thread nuts.	
(Type : GALVANIZED STEEL BRIDGE TUBE)						
Bridge Rail Posts			4	4		
(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		
Now						
Girders			5	5	Chips on bottom exterior of girders likely from hoe placing rock. Typical VF cracks in all girders.	
Cracking (Y/N)		No				
Spalling (Percent Area)		1				
(Number Of Girders : 6)						

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : VF, 3 Spans, Lengths(m): 9.1-32-9.1, A-Ident Number:)					
Diaphragms/Cross Frame		5	5	All girders have cracks between diaphragm chamber and top slab, some repaired.	
Bearings		7	7	As viewed from bank/headslope.	
Temperature (deg. C)	19				
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)					
(Fixed Type : NEOPRENE STRIP BEARING)					
Coating Adequate (Y/N)	Yes				
Functioning (Y/N)	Yes				
Deck Underside		7	7		
Stains (Percent Area)	0				
Span Alignment Problems					
Vertical (Y/N)	No				
Horizontal (Y/N)	No				
Superstructure General Rating		5	5		
Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Secondary Span : VS)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	40	0	0	0	
Now					
Wearing Surface		7	7	fibre reinforced	
(Material Type : CONCRETE)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	No				
Deck Top		N	N		
Deck Rideability		8	8		
Deck Joints		7	7		
Bump (Y/N)	No				
Deck Drainage		7	7	No drains.	
Drains Clogged (Y/N)	No				
Curbs/Median		N	6		
(Curb Type : Standard)					
Scaling (Percent Area)	5				
Bridge Rail		4	5	Anchor bolts do not protrude high enough to completely thread nuts.	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts		4	4		
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating		7	7		
(Type : GALVANIZED)					

Superstructure							
Bridge Component				Last	Now	Explanation of Condition	
(Secondary Span : VS)							
Sidewalk				X	X		
Girder Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last	0	0	0	0			
Now							
Girders				5	5	S3G8 150x50mm surface spall east end (photo).	
Last Complete Inspection Date		19-Jun-2012					
Cracking (Y/N)		Yes					
Spalling (Percent Area)		1					
Lift or Connector Pocket Grouted (Y/N)		Yes					
(Number Of Girders : 16)							
Span Alignment Problems							
Vertical (Y/N)		No					
Horizontal (Y/N)		No					
Superstructure General Rating				5	5		
Substructure							
Bridge Component				Last	Now	Explanation of Condition	
Abutments							
(Extended Backwall Piles (Y/N) : N)							
(Extended Backwall Piles Spacing(mm) :)							
(Total Number of Caps/Corbels : 1:1)							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last	0	0	0	0			
Now							
Bearing Seats/Caps/Corbels				5	5	Neoprene bearings too thin.	
(Type : CONCRETE)							
(Depth(mm) : 1000)							
(Width(mm) : 470)							
Backwalls/Breastwalls				5	5		
Greatest Height (m)		1.50					
Wingwalls				5	5		
(Total Number of Bearing Piles : 0:0)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last	1	0	0	0			
Now	1						
Piles				N	N		
Paint/Coating				X	X		
Abutment Stability				7	7		

Substructure						
Bridge Component				Last	Now	Explanation of Condition
Scour/Erosion				7	7	
Piers/Bents						
(Type : PIER-SOLID)						
(Total Number of Caps/Corbels : 1:)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now						
Bearing Seats/Caps/Corbels				7	4	
(Type : CONCRETE)						
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now						
Pier Shaft/Piles				4	4	
Greatest Height (m)		5.30				
Bracing/Struts/Sheathing				X	X	
Nose Plate				7	7	
Paint/Coating				8	8	
(Colour Description : GREEN)						
(Colour Code : 14090)						
Pier Stability				5	5	
Scour				7	7	
Debris (Y/N)		No				
Substructure General Rating				4	4	
Structure Usage						
				Last	Now	Explanation of Condition
Channel						
(U/S Direction : N)						
(D/S Direction : S)						
Alignment				7	7	
Bank Stability				4	4	Cut banks u/s of riprap and guide banks.
HWM (m below Top of Curb)				Hwm not visible.		
Drift (Y/N)		Yes				
Slope Protection				7	7	
(Type :)						
Guidebank/Spurs				7	7	At NW corner.
Adequacy of Opening				7	7	
(Fish Compensation Measure 1 : NONE)						
(Fish Compensation Measure 2 : NONE)						

Structure Usage				
		Last	Now	Explanation of Condition
Channel General Rating		4	4	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	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							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	50.0/50.0	Sufficiency Rating (Last/Now) (%)	51.5/51.4	Est. Repl. Yr	2033	Maint. Req. (Y/N)	No
Special Comments for Next Inspection	Monitor diaphragm crack, gieders with insufficient neoprene bearings. Monitor cracks at piers. Monitor bank erosion u/s of riprap.		Department Comments				
Maintenance Reviewed By			Date			Estimated Total	0
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Brian Pientsch		Previous Assistant's Name				
Next Inspection Date	19-Mar-2014		Previous Inspection Date	06-Oct-2010			
Inspection Cycle (Default) (months)	21						
Comment							