

Bridge Inspection									
Bridge File Number	76059 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1968/1968				Lot No.	4			
Bridge or Town Name	PEACE RIVER				Inspector Name	Brian Pientsch			
Located Over	25140:02 C1 0.064				Inspector Class	BR CLS A			
Located On	2:60 R1 38.309;2:60 L1 38.307				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	14-Dec-2012			
Legal Land Location	NW SEC 32 TWP 83 RGE 21 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-117:17:38, 56:14:27				Data Entry Date	24-Jan-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA04				Review Date	08-Jan-2013			
Clear Roadway/Skew	13.4 / 44 deg. (RHF)				Dept. Reviewer Name	David Morrison			
AADT/Year	5,140 / 2011 (A)				Dept. Review Date	21-Mar-2013			
Road Classification	RAU-213.4-120				Follow-Up By				
Detour Length (km)	1								
Allowable Load (t):	Single			Semi			Train		----> On Critical Spans ---->Critical Member
Design Loading:	HS20								----> Primary Span

Posting Information												
Required Vert. Clearance Posting (m)	UNDER: 25140 C1 6.7m											
Posted Vertical Clearance (Y/N)	No											
Posted:	Lane	SB	On Bridge (m)		In Advance (Y/N)	No	Lane	NB	On Bridge (m)		In Advance (Y/N)	No
Remarks	NOT REQUIRED, POSTED ON ADJACENT RAILWAY BRIDGE											
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	NOT REQUIRED											
Hazard Marker At Bridge (Y/N)	No											
Remarks	Not required.											
Other Sign Types	HS20											

Utilities (Located at)									
Utility Attachments									
Telephone	Buried north				Gas				
Power	Over/across bridge				Municipal				
Others	Street lights on both sides.				Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	On curve.				
Vertical Alignment			6	6	On slight grade, super elevation				
Roadway Width (m)	13.400								
Approach Bump			7	7					
Guardrail (Y/N)	Yes				Thrie beam connection.				
Guardrail			7	N	Snow covered.				
Length (m)	45.000								
Current Standard (Y/N)	Yes								
Termination Type	TURNED DOWN								
Drainage			5	5	(Erosion gully @ SE corner - source repaired. 16-Jun-2009) Snow Covered.				

Approach Road						
			Last	Now	Explanation of Condition	
Approach Road General Rating			6	6		
Superstructure						
Bridge Component			Last	Now	Explanation of Condition	
(Primary Span : PM, 4 Spans, Lengths(m): 15.2-15.2-12.2-12.2, A-Ident Number:)						
Special Features						
Special Feature				X		
(Type :)						
Special Feature				X		
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
		N (%)	1 (%)	2 (%)	3 (%)	Partly snow covered.
Last						
Now		50.0				
Wearing Surface			5	N	chip seal coat on acp.	
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)						
(Thickness(mm) : 50)						
Lateral Connection Problem (Y/N)		No				
Deck Top			N	N		
Deck Rideability			5	5	Joints recessed 20mm causing bumps.	
Deck Joints			8	N	50% snow/slush covered.	
Temperature (deg. C)		-5				
(Expansion Type :)						
(Fixed Type : COMPRESSION SEAL (ACME SEALS))						
Gap Size (mm)		Gap Location				
37		Abut 2				
40		Pier 3				
35		Pier 2				
40		Pier 1				
40		Abut 1				
Deck Drainage			5	5	No drains.	
Drains Clogged (Y/N)						
Curbs/Median			4	N	Spall 300x300x50 S2 North curb.-01-Sep-2011	
(Curb Type : Standard)						
Scaling (Percent Area)		0				
Bridge Rail			7	N	Snow covered.	
(Type : GALVANIZED STEEL VERTICAL BAR)						
Bridge Rail Posts			7	N		
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating			6	N		
(Type : GALVANIZED)						
Sidewalk			X	X		
Girder Detail Ratings						
		N (count)	1 (count)	2 (count)	3 (count)	All girder undersides were frosted over - unable to confirm spalls and rust stains.
Last		0	0	0	6	
Now		100				

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : PM, 4 Spans, Lengths(m): 15.2-15.2-12.2-12.2, A-Ident Number:)				
Girders		3	N	S4-G2, G4, 12,13 spall, S4-G7, 11, 17, S3-G7, S2-G11 & 13 (photo) S-1 g2, 5, 13, 14, 16 small rust stains.-01-Sep-2011
Cracking (Y/N)	Yes			
Spalling (Percent Area)	1			
(Number Of Girders : 76)				
Diaphragms/Cross Frame		X	X	
Bearings		7	7	
Temperature (deg. C)	-5			
(Expansion Type :)				
(Fixed Type : NEOPRENE STRIP BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	
Stains (Percent Area)	1			
Span Alignment Problems				
Vertical (Y/N)	No			Girders have shifted 10 mm because of skew.
Horizontal (Y/N)	Yes			
Superstructure General Rating		3	3	GR carried fwd from 01-Sep-2011
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		4	4	Horizontal cracks, rust staining and efflorescence abut 1 & 2. - photo
(Type : CONCRETE)				
Backwalls/Breastwalls		X	X	
Wingwalls		5	N	Snow covered
Piles		N	N	
Paint/Coating		X	X	
Abutment Stability		7	7	
Scour/Erosion		X	X	
Piers/Bents				
(Type : PIER-COLUMN)				Rust stains through cracks indicate moisture leakage through joints.
Bearing Seats/Caps		4	4	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 8:8:8)				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		5	5	Grey.
(Colour Description :)				Rust staining on pipe piles .
(Colour Code :)				
Pier Stability		7	7	
Scour		X	X	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Debris (Y/N)	No			
Substructure General Rating		4	4	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		7	7	
Traffic Safety Features		X	X	
Type	NONE			
Slope Protection		4	4	Wide cracking at pier3 P1 retaining wall at base of P2 North headslope settled 100mm.
(Type : CONCRETE)				
Bank Stability		5	5	
Drainage		7	7	
Grade Separation General Rating		5	5	

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) (%)	38.9/38.9	Sufficiency Rating (Last/Now) (%)	56.7/56.4	Est. Repl. Yr	2023	Maint. Req. (Y/N)	No
Special Comments for Next Inspection	Monitor girder cracks and substructure cracks.		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	Colin Roy		Previous Assistant's Name				
Next Inspection Date	14-Sep-2014		Previous Inspection Date	01-Sep-2011			
Inspection Cycle (Default) (months)	21						
Comment							