

Bridge Inspection									
Bridge File Number	02010 -1 Bridge				Form Type	SG			
Year Built/Year Supstr	1956/1956				Lot No.	2			
Bridge or Town Name	PEACE RIVER				Inspector Name	Brian Pientsch			
Located Over	HEART RIVER, 8.10.56, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	744:04 C1 60.357				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	15-Dec-2012			
Legal Land Location	NW SEC 29 TWP 83 RGE 21 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-117:17:18, 56:13:50				Data Entry Date	09-Jan-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA04				Review Date	08-Jan-2013			
Clear Roadway/Skew	11 /				Dept. Reviewer Name	David Morrison			
AADT/Year	880 / 2011 (A)				Dept. Review Date	18-Mar-2013			
Road Classification	UCU-209-70				Follow-Up By				
Detour Length (km)	60								
Allowable Load (t):	Single		Semi		Train		----> On Critical Spans ---->Critical Member		
Design Loading:	HS20						----> Primary Span		
Posting Information									
Required Load Posting (t)	Single			Semi			Truck Train		
Posted Loading (t)	Single			Semi			Truck Train		
Posted:	Lane	NB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	SB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Remarks									
Hazard Marker At Bridge (Y/N)	No								
Remarks									
Other Sign Types	Various Town Information Signs								
Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE; POWER UTILITIES-POWER LINE								
Telephone					Gas				
Power	Buried				Municipal				
Others	Overhead street lights @ each corner				Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			5	5	Curve at north approach vertical dip at north approach.				
Vertical Alignment			6	6	In town				
Roadway Width (m)	11.000								
Approach Bump			7	7					
Guardrail (Y/N)	No								
Guardrail			X	X					
Length (m)									
Current Standard (Y/N)									
Termination Type									
Drainage			7	7					
Approach Road General Rating			5	5					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : RB, 3 Spans, Lengths(m): 16.8-22.9-16.8, A-Ident Number: A0248-01)						
Special Features						
Special Feature			7	TO RESIST SUPERSTRUCTURE UPLIFT @ all BEARING LOCATIONS.		
(Type :)						
Special Feature			X	girder anchors		
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)	Snow covered	
Last						
Now	100.0					
Wearing Surface			8	N	BRIDGE TOP (DECK & SIDEWALK) HAS BEEN RAISED BY CASTING ADDITIONAL CONCRETE OVER EXISTING DECK & GIRDERS.	
(Material Type : CONCRETE)						
(Thickness(mm) : 200)						
Deck Top			N	N		
Deck Rideability			8	8		
Deck Joints			8	N	snow covered	
Temperature (deg. C)		-12				
(Expansion Type : ARMoured GLAND (WABO UNDER FINGER OR SLIDING PLATES))						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
34		North				
30		South				
Deck Drainage			8	8		
Drains Clogged (Y/N)		No				
Curbs/Median			N	N	Snow covered	
(Curb Type : Standard)						
Scaling (Percent Area)		0				
Bridge Rail			5	5	VERTICAL CRACKS APPROX. EVERY METER. Grout from snap tie holes popping out. 20% snow covered	
(Type : PARAPET RAIL)						
Bridge Rail Posts			X	X	PIGMENTED SEALER	
(Type :)						
Bridge Rail/Posts Coating			5	5		
(Type :)						
Sidewalk			N	N	Snow covered.	
Girder/Beam						
Cover Plate			X	X	Viewed center span from banks.	
Flange			5	5		
Web			7	7		
Stiffeners			X	X		
Splice			7	7		
Weld			7	7		
Diaphragms/Cross Frame			5	5		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : RB, 3 Spans, Lengths(m): 16.8-22.9-16.8, A-Ident Number: A0248-01)				
Paint Condition		5	5	
(Colour Description : GREEN)				
(Colour Code : 14090)				
Touchup Required (Y/N)	No			
Bearings		3	3	BOLTS ON N PIER & ABUT BEARINGS HAVE BACKED OUT OF ROCKERS. Exterior bearings scaling rust
Temperature (deg. C)	-12			
(Expansion Type : ROCKER BEARING)				
(Fixed Type : PINNED BEARING)				
Coating Adequate (Y/N)	No			
Functioning (Y/N)	Yes			
Deck Underside		6	6	Spall S1 near S. abut C.L.
Stains (Percent Area)	1			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		3	3	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		5	N	snow covered
Piles		N	N	
Paint/Coating		X	X	
Abutment Stability		7	7	
Scour/Erosion		4	N	Outlet of deck drains causing minor erosion on north headslope. Snowcovered. 05-Feb-2009
Piers/Bents				
(Type : PIER-SOLID)				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0:0)				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		N	N	Superficial rust on nose plates. Below ice level.-29-Nov-2004
Paint/Coating		N	N	
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		7	7	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Debris (Y/N)	No			
Substructure General Rating		7	7	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				
(D/S Direction : W)				
Alignment		7	7	Appears drift is hitting girders and gasoline.
Bank Stability		7	7	
HWM (m below Top of Curb)				(Hwm is over top of piers.2000/01/28)
Drift (Y/N)	Yes			At top of curbs during peak floods.
Slope Protection		7	3	South headslope eroded to abutment seat.
(Type : NATURAL)				
Guidebank/Spurs		7	7	
Adequacy of Opening		4	4	HW at curb height at peak flows.
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
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							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION	2013	South headslope					
PLACE ADDITIONAL RIP RAP	2013						
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2013	Tighten rocker bolts.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	55.6/55.6	Sufficiency Rating (Last/Now) (%)	56.5/57.3	Est. Repl. Yr	2027	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor loss of steel on bottom flanges of girders near abuts.		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	15-Mar-2016		Previous Inspection Date	05-Feb-2009			
Inspection Cycle (Default) (months)	39						
Comment							