

Bridge Inspection							
Bridge File Number	76161 -1 Bridge			Form Type	PSR		
Year Built/Year Supstr	1965/1965			Lot No.	2		
Bridge or Town Name	PEACE RIVER			Inspector Name	Brian Pientsch		
Located Over	CNR			Inspector Class	BR CLS A		
Located On	2:62 C1 12.055			Assistant Name	Russel Vanderschaaf		
Water Body Cl./Year				Assistant Class	BR CLS B		
Navigabil. Cl./Year				Inspection Date	06-Dec-2011		
Legal Land Location	SE SEC 36 TWP 83 RGE 23 W5M			Data Entry By	Theresa Lacusta		
Longitude, Latitude	-117:29:28, 56:13:59			Data Entry Date	03-Jan-2012		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Eric Carcoux		
Contract Main. Area	CMA04			Review Date	20-Dec-2011		
Clear Roadway/Skew	13.4 / -36 deg. (LHF)			Dept. Reviewer Name	David Morrison		
AADT/Year	4,440 / 2011 (A)			Dept. Review Date	05-Apr-2012		
Road Classification	RAU-213-120			Follow-Up By			
Detour Length (km)	5						
Allowable Load (t):	Single	CS1 56 GIRDER	Semi	CS2 77 GIRDER	Train	CS3 100 GIRDER	----> On Critical Spans ---->Critical Member
Design Loading:	HS20				----> Primary Span		

Posting Information												
Required Vert. Clearance Posting (m)												
Posted Vertical Clearance (Y/N)				No								
Posted:	Lane	NB	On Bridge (m)		In Advance (Y/N)	No	Lane	SB	On Bridge (m)		In Advance (Y/N)	No
Remarks		Not required.										
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		Gas	
Power		Municipal	
Others		Problem (Y/N)	No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		8	8	Crest curve over bridge limiting sight distance both directions. No passing.
Vertical Alignment		5	5	
Roadway Width (m)	13.000			Not connected to bridge & insufficient posts.
Approach Bump		7	7	
Guardrail (Y/N)	Yes			
Guardrail		5	5	
Length (m)	45.000			
Current Standard (Y/N)	No			
Termination Type	TURNED DOWN			
Drainage		7	7	

Approach Road				
		Last	Now	Explanation of Condition
<b>Approach Road General Rating</b>		5	5	
Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : <b>PJ, 3 Spans, Lengths(m): 16.5-17.8-17.8, A-Ident Number: )</b>				
Special Features				
Special Feature			X	
(Type : )				
Special Feature			X	
(Type : )				
Wearing Surface/Deck Top Detail Ratings				
	N (%)	1 (%)	2 (%)	3 (%)
<b>Last</b>	0	0	0	1
<b>Now</b>	10.0	0.0	0.0	1.0
Wearing Surface		3	3	Map cracking letting moisture through to concrete deck. -photo
(Material Type : <b>MIX TYPE 1 ACP - CONVENTIONAL CHIP SEAL COAT</b> )				
(Thickness(mm) : <b>50</b> )				
Lateral Connection Problem (Y/N)	No			
Deck Top		N	N	
Deck Rideability		7	7	
Deck Joints		7	7	
Temperature (deg. C)		-3		
(Expansion Type : <b>ASPHALTIC FIBRE BOARD</b> )				
(Fixed Type : <b>ASPHALTIC FIBRE BOARD</b> )				
Gap Size (mm)		Gap Location		
20		abut 1		
30		pier 1		
25		pier 2		
20		abut 2		
Deck Drainage		4	3	Drainage tube damaged on S. side of bridge (Photo) N. Side drains clogged.
Drains Clogged (Y/N)		Yes		
Curbs/Median		3	3	Spalling 1.5m long 1m wide South side S3 exterior fascia.-17-Mar-2010 NW parapet severely scaled.-photo Snow/gravel covered.
(Curb Type : <b>None</b> )				
Scaling (Percent Area)		2		
Bridge Rail		7	7	NW grout pad deteriorated under third post creating place to collect water (Photo)
(Type : )				
Bridge Rail Posts		4	3	
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )				
Bridge Rail/Posts Coating		6	6	
(Type : <b>GALVANIZED</b> )				
Sidewalk		X	X	
Girder Detail Ratings				
	N (count)	1 (count)	2 (count)	3 (count)
<b>Last</b>	0	0	0	4
<b>Now</b>				4

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : PJ, 3 Spans, Lengths(m): 16.5-17.8-17.8, A-Ident Number: )				
Girders		3	3	S3, G2 has 0.25x0.15m spall with rust staining at abutment.
Cracking (Y/N)	Yes			S3 G8 spall and 9 cks and rust staining at abut 2. S3G1 spalling @ pier brg on underside of girder leg.
Spalling (Percent Area)	1			
(Number Of Girders : 27)				
Diaphragms/Cross Frame		3	3	Spalling beneath joints & rusted rebar exposed.(Photo)
Bearings		6	6	
Temperature (deg. C)	-3			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		3	3	Map cracking S3 between G6 & G7 midspan (photo) spalling with rebar exposed at joints beneath curb.
Stains (Percent Area)	5			Moisture leaking thru deck throughout.
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>3</b>	<b>3</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		4	4	Spalling & horizontal delam cks.
(Type : CONCRETE)				
Backwalls/Breastwalls		4	4	Spalling.
Wingwalls		5	5	
Piles		N	N	
Paint/Coating		X	X	
Abutment Stability		7	7	
Scour/Erosion		5	5	
<b>Piers/Bents</b>				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		4	4	W.pier has wide cracking beneath G2, G3, & G8. E.pier has wide cracking beneath G8.
(Type : CONCRETE)				
E.pier has wide cracking beneath G8.				
(Total Number of Bearing Piles : 2:2)				
Pier Shaft/Piles		4	4	Bearing piles not accessible.
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description : )				
(Colour Code : )				
Pier Stability		7	7	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		X	X	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>4</b>	<b>4</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Grade Separation</b>				
Road Alignment		X	X	
Traffic Safety Features		X	X	
Type				
Slope Protection		5	5	
(Type : <b>NATURAL</b> )				
Bank Stability		7	7	
Drainage		7	7	
<b>Grade Separation General Rating</b>		<b>7</b>	<b>5</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS	2012	Repair grout pad, patch curbs and parapets.					
PATCH DECK							
SEAL DECK							
OVERLAY DECK	2012	Requires waterproof deck					
REPAIR/REPLACE DECK JOINTS	2012	Requires waterproof joints. Major rehab required and scheduled for near future.					
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2012	Repair drain tube.					
OTHER ACTION	2012	Patch S3 G2, repair all cracked girders.					
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>38.9/38.9</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>54.7/52.8</b>	Est. Repl. Yr	2035	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Rehab to occur in 2012.		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	06-Sep-2013		Previous Inspection Date	17-Mar-2010			
Inspection Cycle (Default) (months)	21						
Comment							