

Bridge Inspection							
Bridge File Number	01741 -1 Bridge			Form Type	PSR CON		
Year Built/Year Supstr	1961/1961			Lot No.	4		
Bridge or Town Name	LONGVIEW			Inspector Name	Garry Roberts		
Located Over	HIGHWOOD RIVER, 2.13.27, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	22:10 C1 37.818			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	17-Jun-2012		
Legal Land Location	NE SEC 17 TWP 18 RGE 2 W5M			Data Entry By	Erin Roberts		
Longitude, Latitude	-114:14:03, 50:31:22			Data Entry Date	16-Jul-2012		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Joel Wozney		
Contract Main. Area	CMA27			Review Date	27-Jun-2012		
Clear Roadway/Skew	7.9 /			Dept. Reviewer Name	Tim Davies		
AADT/Year	1,850 / 2011 (A)			Dept. Review Date	17-Jul-2012		
Road Classification	RAU-209-110			Follow-Up By			
Detour Length (km)	50						
Allowable Load (t):	Single	CS1 41 GIRDER	Semi	CS2 48 GIRDER	Train	CS3 61 GIRDER	----> On Critical Spans ---->Critical Member
Design Loading:	HS20						----> Primary Span

Posting Information								
Required Load Posting (t)	Single				Semi	49	Truck Train	62
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	Not required.							
Hazard Marker At Bridge (Y/N)	Yes							
Remarks								
Other Sign Types	8% grade, Windgust advisory. Curve, 70 km/hr							

Utilities (Located at)				
Utility Attachments	GAS UTILITIES-GAS LINE; OTHER UTILITIES-OTHER LINES; TELEPHONE UTILITIES-PHONE LINE			
Telephone	Conduit under West curb.		Gas	Under North span & @ NE.
Power			Municipal	
Others			Problem (Y/N)	No
Remarks				

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		6	6	Curves and hills both ends.
Vertical Alignment		5	5	
Roadway Width (m)	10.000			
Approach Bump		6	7	
Guardrail (Y/N)	Yes			Wrong lap at NW and SE. Missing 9 splice bolts at SE.
Guardrail		4	4	Type VI @ NE & NW.
Length (m)	26.000			
Current Standard (Y/N)	Yes			
Termination Type	TURNED DOWN			
Drainage		5	6	
<b>Approach Road General Rating</b>		<b>5</b>	<b>5</b>	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PO, 5 Spans, Lengths(m): 26.8-26.8-22.3-20.1-9.1, A-Ident Number: )					
<b>Special Features</b>					
Special Feature		7	7	Gabion wall. @ North headslope.	
(SType : <b>EXT SHEAR STIRRUP</b> )					
Special Feature			7		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0.0	0.0	0.0	0.0	
Wearing Surface		4	5	Chipcoat on epoxy on concrete - 80mm total thickness.	
(Material Type : <b>CONVENTIONAL CHIP SEAL COAT</b> )					
(Thickness(mm) : )					
Lateral Connection Problem (Y/N)	No				
Deck Top		N	N		
Deck Rideability		6	7		
Deck Joints		7	7	All 6 joints WB ACME EFE - 400. Natural rubber seals.	
Temperature (deg. C)		12			
(Expansion Type : <b>GLAND (WABO-MAUER, TRANSFLEX, ETC)</b> )					
(Fixed Type : )					
Gap Size (mm)		Gap Location			
70		South abutment			
75		Pier 1			
50		Pier 2			
75		Pier 3			
70		Pier 4			
Deck Drainage		7	7		
Drains Clogged (Y/N)		No			
Curbs/Median		4	6	Repaired. Medium width transverse cracks in curbs 1.0m apart.	
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		5			
Bridge Rail		5	8	Retro- fit tube rail placed in front of original. Original and retro-fit rails both galvanized.	
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts		3	7		
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating		3	7		
(Type : <b>GALVANIZED</b> )					
Sidewalk		X	X		
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0	0	0	0	
Girders		7	7	Typical shoe plate cracks @ South abutment. Sp 1 and 2 have 4 girders each. Sp 3 and 4 have 5 girders each. Sp 5 is CS span	
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
(Number Of Girders : <b>18</b> )					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>PO, 5 Spans, Lengths(m): 26.8-26.8-22.3-20.1-9.1, A-Ident Number: )</b>					
Diaphragms/Cross Frame		6	7		
Bearings		6	7		
Temperature (deg. C)	12				
(Expansion Type : )					
(Fixed Type : )					
Coating Adequate (Y/N)	Yes				
Functioning (Y/N)	Yes				
Deck Underside		5	7		
Stains (Percent Area)	2				
<b>Span Alignment Problems</b>					
Vertical (Y/N)	No				
Horizontal (Y/N)	No				
<b>Superstructure General Rating</b>		<b>5</b>	<b>7</b>		
Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Secondary Span : <b>CS</b> )					
<b>Special Features</b>					
Special Feature					
(Type : )					
Special Feature					
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0.0	0.0	0.0	0.0	
Wearing Surface		6	6	Chipcoat on epoxy on concrete 80mm total thickness.	
(Material Type : <b>CONVENTIONAL CHIP SEAL COAT</b> )					
(Thickness(mm) : )					
Deck Top		N	N		
Deck Rideability		6	7		
Deck Joints		7	7		
Temperature (deg. C)	12				
(Expansion Type : <b>GLAND (WABO-MAUER, TRANSFLEX, ETC)</b> )					
(Fixed Type : )					
Gap Size (mm)	90	Gap Location			
		North abut.			
Deck Drainage		6	7	No drains. Drains on grade to south	
Drains Clogged (Y/N)	No				
Curbs/Median		5	6	Medium width transverse cracks in curbs spaced 1.0m apart.	
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)	2				

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
<b>(Secondary Span : CS)</b>				
Bridge Rail		3	8	Retro - fit rail placed in front of original rail system - both are galvanized.
(Type : GALVANIZED STEEL BRIDGE TUBE)				
Bridge Rail Posts		3	7	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)				
Bridge Rail/Posts Coating		3	8	
(Type : GALVANIZED)				
Sidewalk		X	X	
Girders		6	7	
Diaphragms/Cross Frame		X	X	
Bearings		X	X	
Temperature (deg. C)				
(Expansion Type : )				
(Fixed Type : )				
Coating Adequate (Y/N)				
Functioning (Y/N)				
Deck Underside		7	7	
Stains (Percent Area)	1			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>6</b>	<b>7</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		5	7	Repaired.
Wingwalls		7	7	
Piles		N	N	Buried
Paint/Coating		X	X	
Abutment Stability		7	7	
Scour/Erosion		7	7	
<b>Piers/Bents</b>				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		6	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0:0:0)				Repaired.
Pier Shaft/Piles		4	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		7	7	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Paint/Coating		4	4	Tight corrosion at nose plates
(Colour Description : )				
(Colour Code : )				
Pier Stability		7	7	
Scour		6	6	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>4</b>	<b>7</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				
(D/S Direction : <b>E</b> )				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)	14.0			No visible HWM Trees @ banks.
Drift (Y/N)	Yes			
Slope Protection		7	7	Natural @ South & concrete bag. Gabion wall & Class 2 & Class 3 @ North.
(Type : <b>RIP RAP; RIP RAP</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>7</b>	<b>7</b>	

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							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>50.0/77.8</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>49.2/63.2</b>	Est. Repl. Yr	2035	Maint. Req. (Y/N)	No
Special Comments for Next Inspection			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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	17-Mar-2014		Previous Inspection Date	06-Oct-2010			
Inspection Cycle (Default) (months)	21						
Comment							