

Bridge Inspection											
Bridge File Number	77498 -1 Bridge				Form Type	PSR					
Year Built/Year Supstr	1986/1986				Lot No.	3					
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	LOCAL ROAD				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	21-Dec-2011					
Legal Land Location	NE SEC 29 TWP 16 RGE 5 W5M				Data Entry By	Alyssa Boynton					
Longitude, Latitude	-114:38:59, 50:22:43				Data Entry Date	25-Jan-2012					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Joel Wozney					
Contract Main. Area	CMA27				Review Date	23-Dec-2011					
Clear Roadway/Skew	12.5 / -10 deg. (LHF)				Dept. Reviewer Name	Tim Davies					
AADT/Year					Dept. Review Date	06-Feb-2012					
Road Classification	RLU-209G-90				Follow-Up By						
Detour Length (km)	95										
Allowable Load (t):	Single	CS1 28			Semi	CS2 49			Train	CS3 62	----> On Critical Spans ---->Critical Member
Design Loading:	MS300									----> 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	Not required.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks	Damage at North East.								
Other Sign Types	River and Route ID.								

Utilities (Located at)										
Utility Attachments										
Telephone					Gas					
Power					Municipal					
Others					Problem (Y/N)	No				
Remarks	None visible.									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	Gradual curves both ends.				
Vertical Alignment			7	7					
Roadway Width (m)	12.000				Gravel				
Approach Bump			5	5					
Guardrail (Y/N)	Yes				4 split posts at NE and 1 at SW. Missing 2 splice bolts at NE and SE and 6 at NW. Wrong lap at NW and SE. Not thriebeam.				
Guardrail			6	3					
Length (m)	46.000								
Current Standard (Y/N)	No								
Termination Type	TURNDOWN								
Drainage			7	7					
Approach Road General Rating			6	6					

Superstructure							
Bridge Component		Last	Now	Explanation of Condition			
(Primary Span : DBT, 3 Spans, Lengths(m): 18.1-23.9-18.1, A-Ident Number:)							
Special Features							
Special Feature			X				
(Type :)							
Special Feature			X				
(Type :)							
Wearing Surface/Deck Top Detail Ratings							
	N (%)	1 (%)	2 (%)	3 (%)	50% ice and snow covered.		
Last							
Now	50.0	0.0	0.0	0.0			
Wearing Surface				5	5	Wide longitudinal and transverse random cracks.	
(Material Type : ACP)							
(Thickness(mm) : 50)							
Lateral Connection Problem (Y/N)		No					
Deck Top				N	N		
Deck Rideability				8	7		
Deck Joints				7	N	Snow and ice covered. P.R.7	
Temperature (deg. C)		-7					
(Expansion Type : ARMoured GLAND (WABO UNDER FINGER OR SLIDING PLATES))							
(Fixed Type :)							
Gap Size (mm)		Gap Location					
70		North					
130		South					
Deck Drainage				7	7	On grade. No drains.	
Drains Clogged (Y/N)		No					
Curbs/Median				7	N	Snow covered.	
(Curb Type : Standard)							
Scaling (Percent Area)		1					
Bridge Rail				7	7	5% of bolts do not project fully into nuts.	
(Type : BRIDGE TUBE)							
Bridge Rail Posts		4	4	5% failure of pedestrian rail coating Timber pedestrian rail also.			
(Type :)							
Bridge Rail/Posts Coating		4	4				
(Type :)							
Sidewalk				7	7		
Girder Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now	0	0	0	0			
Girders				5	5	Shrinkage cracking at girder connections over pier on exterior face. Horizontal narrow cracks @ exterior @ ends @ pier.	
Cracking (Y/N)		Yes					
Spalling (Percent Area)		0					
(Number Of Girders : 10)							
						Narrow cracks @ bottom of top flange @ SE	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : DBT, 3 Spans, Lengths(m): 18.1-23.9-18.1, A-Ident Number:)				
Diaphragms/Cross Frame		8	8	
Bearings		5	6	Some pins bent forward 20mm @ South abutment.
Temperature (deg. C)	-7			Pots at piers.
(Expansion Type : REINFORCED PAD BEARING)				
(Fixed Type : REINFORCED PAD BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		8	7	Some staining at diaphragms.
Stains (Percent Area)	1			Evidence of minor leakage @ North span between girders 5 & 6
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				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
Backwalls/Breastwalls		8	8	
Wingwalls		8	8	
Piles		N	N	Buried.
Paint/Coating		X	X	
Abutment Stability		8	8	
Scour/Erosion		9	8	
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		6	7	Random cracking of pier caps and columns - narrow.
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0:0)				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		9	8	
Paint/Coating		9	8	Galvanized @ nose plate
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		9	8	
Debris (Y/N)	No			
Substructure General Rating		6	7	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction :)				Curve at downstream end.
(D/S Direction :)				
Alignment		7	7	
Bank Stability		6	7	
HWM (m below Top of Curb)	7.0			1.0 high drift caught in old piles 30m U/S. No visible HWM.
Drift (Y/N)	Yes			
Slope Protection		8	8	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		8	8	
Adequacy of Opening		9	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	7	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012	Replace 5 timber posts, 10 splice bolts and correct 2 laps.					
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	2012	Replace North East HM.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	61.1/66.7	Sufficiency Rating (Last/Now) (%)	66.8/68.6	Est. Repl. Yr	2043	Maint. Req. (Y/N)	Yes
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	Tom Carey		Previous Assistant's Name				
Next Inspection Date	21-Mar-2015		Previous Inspection Date	28-Oct-2008			
Inspection Cycle (Default) (months)	39						
Comment							