

Bridge Inspection							
Bridge File Number	77501 -1 Bridge			Form Type	PSR		
Year Built/Year Supstr	1974/1974			Lot No.	3		
Bridge or Town Name	LONGVIEW			Inspector Name	Garry Roberts		
Located Over	CATARACT CREEK, 2.13.27.24, 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	SE SEC 26 TWP 15 RGE 5 W5M			Data Entry By	Alyssa Boynton		
Longitude, Latitude	-114:34:56, 50:17:10			Data Entry Date	25-Jan-2012		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Joel Wozney		
Contract Main. Area	UNDEFINED CMA			Review Date	23-Dec-2011		
Clear Roadway/Skew	7.3 /			Dept. Reviewer Name	Tim Davies		
AADT/Year				Dept. Review Date	06-Feb-2012		
Road Classification	RCU-208-110			Follow-Up By			
Detour Length (km)	100						
Allowable Load (t):	Single	CS1 39 GIRDER	Semi	CS2 43 GIRDER	Train	CS3 53 GIRDER	----> On Critical Spans ---->Critical Member
Design Loading:	HS20					----> Primary Span	

Posting Information									
Required Load Posting (t)	Single				Semi		Truck Train	54	
Posted Loading (t)	Single				Semi		44.0	Truck Train	54.0
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	62 tonne logging trucks using road @ oct 2008 inspection								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks	Some damage but still functioning. Leaning at North West.								
Other Sign Types	Creek ID, Vehicles with lugs prohibited.								

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		4	5	Curves and grade both ends.
Vertical Alignment		5	5	
Roadway Width (m)	7.000			Gravel.
Approach Bump		5	5	
Guardrail (Y/N)	No			
Guardrail		X	X	
Length (m)				
Current Standard (Y/N)				
Termination Type				
Drainage		7	6	
Approach Road General Rating		4	5	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : FC, 1 Spans, Lengths(m): 30.5, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last					
Now	0.0	0.0	0.0	0.0	
Wearing Surface			X	X	
(Material Type :)					
(Thickness(mm) :)					
Lateral Connection Problem (Y/N)		No			
Deck Top			5	5	
Deck Rideability			7	7	
Deck Joints			N	N	Gravel covered.
Temperature (deg. C)		-3			
(Expansion Type : SLIDING PLATES)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
Deck Drainage			6	6	
Drains Clogged (Y/N)		No			
Curbs/Median			5	N	Honeycomb @ NE. Snow covered.
(Curb Type : Standard)					
Scaling (Percent Area)		5			
Bridge Rail			5	5	Minor damage - 100mm dents @ East & West Single Layer 2 post A/B with less than full thread. 6 A/B nuts not fully tightened at West rail.
(Type : FLEX BEAM)					
Bridge Rail Posts		5	4		
(Type : GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			5	5	
(Type : PAINT)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Girders			5	5	Typical chamfer cracking.
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
(Number Of Girders : 5)					
Diaphragms/Cross Frame			7	7	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : FC, 1 Spans, Lengths(m): 30.5, A-Ident Number:)				
Bearings		4	5	Bearing pads bulged out. Compressed to 10mm @ NW, NE & SE. Still functional. Exp at A1 - South. Superficial corrosion of sole & shoe. Plates have never been painted.
Temperature (deg. C)	-3			
(Expansion Type : REINFORCED PAD BEARING)				
(Fixed Type : REINFORCED PAD BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		6	6	
Stains (Percent Area)	1			
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		7	7	Steel cap at South Abutment.
(Type : CONCRETE)				
Backwalls/Breastwalls		6	6	
Wingwalls		7	6	Extended wing at North West for stream alignment.
Piles		7	7	Steel h-piles.
Paint/Coating		X	X	
Abutment Stability		7	7	
Scour/Erosion		7	7	
Piers/Bents				
(Type :)				
Bearing Seats/Caps		X	X	
(Type :)				
(Total Number of Bearing Piles :)				
Pier Shaft/Piles		X	X	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		6	7	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)		Junction of 2 streams @ West. 45 degree bend @ Cataract Creek.		
(D/S Direction : E)				
Alignment		4	4	
Bank Stability		5	5	
HWM (m below Top of Curb)	3.3	Washed out in June 1995 flood. Previous bridge on sill at South. No visible HWM		
Drift (Y/N)	No			
Slope Protection		7	7	Class 2 & 3.
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		4	5	
(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							
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	Install loading signs log haul in area.					
OTHER ACTION	2012	Reinstall NW HM.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	61.1/66.7	Sufficiency Rating (Last/Now) (%)	53.2/62.5	Est. Repl. Yr	2030	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							