

Bridge Inspection									
Bridge File Number	78197 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1981/1981				Lot No.	2			
Bridge or Town Name	LONGVIEW				Inspector Name	Garry Roberts			
Located Over	CAT CREEK, 2.13.27.31, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	40:10 C1 5.524				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	22-Jun-2011			
Legal Land Location	NW SEC 1 TWP 17 RGE 6 W5M				Data Entry By	Alyssa Boynton			
Longitude, Latitude	-114:42:45, 50:24:28				Data Entry Date	13-Jul-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey			
Contract Main. Area	CMA28				Review Date	28-Jun-2011			
Clear Roadway/Skew	11 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	440 / 2010 (A)				Dept. Review Date	15-Jul-2011			
Road Classification	RAU-209-110				Follow-Up By				
Detour Length (km)	50								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	MS230						----> 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 req.								
Hazard Marker At Bridge (Y/N)	No								
Remarks	Not req.								
Other Sign Types	CREEK I.D.								

Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		5	5	Approach road 30 m north. No passing SB, curve to the S.					
Vertical Alignment		7	7						
Roadway Width (m)	11.000								
Approach Bump		7	7						
Guardrail (Y/N)	Yes				Weathering steel 150 x 150 mm H.S.S.				
Guardrail			7	7	Not thriebeam				
Length (m)	26.000								
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN								
Drainage			8	7					
Approach Road General Rating		5	5						

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : RM, 1 Spans, Lengths(m): 24, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	0	0	0	0	
Now	0.0	0.0	0.0	0.0	
Wearing Surface			7	7	CHIPCOAT ON ACP, total thickness 50mm.
(Material Type : ACP - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			3	6	KOCH JOINTS - recently sealed.
Temperature (deg. C)		15			
(Expansion Type : THERMOPLASTIC POLYMER)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
Deck Drainage			3	6	Superelevated.
Drains Clogged (Y/N)		No			
Curbs/Median			3	3	East curb 25% scaling with longit cracks and efflorescence- approx. 7m ² of spalling. 0.3m ² spall at South West.
(Curb Type : Standard)					
Scaling (Percent Area)		5			
Bridge Rail			8	8	150 x 150 H.S.S. bridgerail & timber pedestrian rail. Brown paint on timber ped rail.
(Type : STEEL BRIDGE TUBE)					
Bridge Rail Posts		8	8		
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating		7	7		
(Type : PAINT)					
Sidewalk			3	3	5% light to med-with map crks-worst @ E side @ N end. Scaling @ NE. 6m ² of delams at SW, SE and NE.
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Girders			5	5	Girders have longit cracks, Intermittent & narrow. 0.1 mm wide - No change from prev insp marks-minor
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
(Number Of Girders : 11)					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : RM, 1 Spans, Lengths(m): 24, A-Ident Number:)				
Diaphragms/Cross Frame		X	X	
Bearings		7	7	
Temperature (deg. C)	15			
(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		7	7	Stains appear to be from grout key concrete.
Stains (Percent Area)	2			
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	
(Type : CONCRETE)				
Backwalls/Breastwalls		X	X	
Wingwalls		7	7	
Piles		N	N	Buried.
Paint/Coating		5	5	Tar.
Abutment Stability		8	8	
Scour/Erosion		8	8	
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		7	7	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				On a sharp curve at U/S.
(D/S Direction : W)				
Alignment		4	4	
Bank Stability		7	7	
HWM (m below Top of Curb)				No visible HWM
Drift (Y/N)	No			
Slope Protection		8	7	Class 2 @ u/s toe of slopes & U/S BANKS.
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(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	2011	Patch and seal curbs & sidewalks- approx. 8m ² curb and 6m ² sidewalk.					
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							
Structural Condition Rating (Last/Now) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	60.1/59.7	Est. Repl. Yr	2034	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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	22-Mar-2013		Previous Inspection Date	05-Oct-2009			
Inspection Cycle (Default) (months)	21						
Comment							