

Bridge Inspection									
Bridge File Number	78170 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1977/1977				Lot No.	2			
Bridge or Town Name	ROBB				Inspector Name	Shane Hall			
Located Over	LOVETT RIVER, 8.11.84.72, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	40:24 C1 1.305				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	16-Oct-2012			
Legal Land Location	NE SEC 23 TWP 46 RGE 19 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-116:38:18, 52:59:14				Data Entry Date	14-Nov-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA13				Review Date	12-Nov-2012			
Clear Roadway/Skew	9.8 / 10 deg. (RHF)				Dept. Reviewer Name	Brent Herrick			
AADT/Year	300 / 2011 (A)				Dept. Review Date	20-Nov-2012			
Road Classification	RCU-209G-90				Follow-Up By				
Detour Length (km)	31								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	HS25						----> 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	CS3 allowable below legal limit.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks	All hazard marker placed inside bridge post.								
Other Sign Types	Information, Narrow Bridge. Max 80 (SB), Max 90 (NB). Lovett River								
Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	Intersection 30m South.				
Vertical Alignment			6	6	Curve south, limited sight distance both directions.				
Roadway Width (m)	10.800								
Approach Bump			5	5					
Guardrail (Y/N)	No								
Guardrail			X	X					
Length (m)									
Current Standard (Y/N)	No								
Termination Type	None								
Drainage			4	5					
Approach Road General Rating			6	6					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : RD, 3 Spans, Lengths(m): 10.7-24.4-10.7, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	30	0	0	0	
Now	30.0	0.0	0.0	0.0	
Wearing Surface			5	5	Mud covered 30%. 4 longitudinal crack lines length of bridge. Surface abraided by gravel tracked on by vehicles, plow teeth marks marred surface.
(Material Type : CONCRETE)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	Yes				
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			4	N	South joint missing 3 cover plate bolts.-08-Nov-2010 Coverplate 90% covered by dirt.-Not inspectable
Temperature (deg. C)		6			
(Expansion Type : ARMoured GLAND (WABO UNDER FINGER OR SLIDING PLATES))					
(Fixed Type : ASPHALTIC FIBRE BOARD)					
Gap Size (mm)		Gap Location			
105		S. abut			
Deck Drainage			5	4	No deck drains, flow to South. Windrow buildup along curbs impedes flow.-photo
Drains Clogged (Y/N)		No			
Curbs/Median			N	N	Light scaling. 2 punchouts @ East curb through curb section, 1 void filled with water/dirt - photo.-04-Feb-2009 Sides covered with dirt. No eteriorating on curb tops.
(Curb Type : Standard)					
Scaling (Percent Area)		5			
Bridge Rail			7	4	Missing raincaps @ all four corners, used to hold hazard marker - photo. 8 missing splice bolts in E & W rail.-photo Some post A/B nuts with insufficient threads.
(Type : GALVANIZED STEEL BRIDGE TUBE;BRIDGE TUBE)					
Bridge Rail Posts		4		4	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : RD, 3 Spans, Lengths(m): 10.7-24.4-10.7, A-Ident Number:)				
Girders		7	7	Finish peeling on outside faces estimated at 90%.
Cracking (Y/N)	No			
Spalling (Percent Area)	0			
(Number Of Girders : 27)				
Diaphragms/Cross Frame		X	X	
Bearings		7	7	
Temperature (deg. C)	6			
(Expansion Type : REINFORCED PAD BEARING)				
(Fixed Type : REINFORCED PAD BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	
Stains (Percent Area)	6			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		7	7	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		7	7	
Piles		N	N	
Paint/Coating		7	7	
Abutment Stability		5	5	Void under SE abutment concrete - photo.
Scour/Erosion		5	5	S headslope settled 160mm.
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 5:5)				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		7	7	
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		7	7	
Debris (Y/N)	Yes			Old h-pile in streambed.

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				
(D/S Direction : W)				
Alignment		8	8	
Bank Stability		6	6	Slough @ D/S NW bank & U/S NE bank.-stable and grassed over.
HWM (m below Top of Curb)				HWM not visible. Old h-pile in streambed.
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		6	6	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2013	Install 4 rain caps @ corner posts.					
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS	2013	Patch punchouts @ East curb & seal.-if not done.					
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING	2013	Remove gravel/windrows from deck.					
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2013	Install hazard markers as per standard.					
OTHER ACTION	2013	Install guardrails @ each end.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	64.3/65.4	Est. Repl. Yr	2045	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	Eric Carcoux		Previous Assistant's Name				
Next Inspection Date	16-Jul-2014		Previous Inspection Date	08-Nov-2010			
Inspection Cycle (Default) (months)	21						
Comment							