

Bridge Inspection									
Bridge File Number	78282 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1980/1980				Lot No.	2			
Bridge or Town Name	ROCK LAKE				Inspector Name	Wade Nanninga			
Located Over	COLLIE CREEK, 8.11.118.3.9, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	LOCAL ROAD				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	23-Apr-2013			
Legal Land Location	NW SEC 20 TWP 52 RGE 1 W6M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-118:07:22, 53:30:36				Data Entry Date	01-May-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	UNDEFINED CMA				Review Date	29-Apr-2013			
Clear Roadway/Skew	8.8 / -30 deg. (LHF)				Dept. Reviewer Name				
AADT/Year	20 / 2013 (E)				Dept. Review Date				
Road Classification	RLU-208G-90				Follow-Up By				
Detour Length (km)	999								
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	EB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	WB	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	Information, "Collie Creek", River ID sign knocked down.								

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

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			4	4	Curves with limited sight distances. Access to site via "Rock Lake" Provincial Park jct off Hwy 40.				
Vertical Alignment			6	6					
Roadway Width (m)			7.500		Potholes @ W approach.				
Approach Bump			7	4					
Guardrail (Y/N)			Yes		Insufficient length, - photo.				
Guardrail			7	7					
Length (m)			11.000						
Current Standard (Y/N)			No						
Termination Type			Turned Down						
Drainage			7	7					
Approach Road General Rating			4	4					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : VS, 1 Spans, Lengths(m): 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	90				
Now	50.0				
Wearing Surface			X	X	
(Material Type :)					
(Thickness(mm) :)					
Lateral Connection Problem (Y/N)					
Deck Top			N	5	Covered by gravel, what's visible is abraided by gravel.
Deck Rideability			7	7	
Deck Joints			N	N	Buffer angles covered by gravel.
Bump (Y/N)		No			
Deck Drainage			7	5	Drains between girders, no deck drains. Drains onto caps and piles.
Drains Clogged (Y/N)		No			
Curbs/Median			7	7	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			4	4	Single layer. 4 splice bolts missing - photo.
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			7	7	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			5	5	Coating starting to flake off 1 post.
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders			5	4	Curb units have typical diagonal crack less than 0.5m with stains.
Last Complete Inspection Date		23-Apr-2013		Connection Yes, Lift No	
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		No			
(Number Of Girders : 8)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			5	4	

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
Abutments					
(Extended Backwall Piles (Y/N) : Y)					
(Extended Backwall Piles Spacing(mm) : 1400)					
25 mm steel bearing plates between piles & caps.					
(Total Number of Caps/Corbels : 3:3)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Bearing Seats/Caps/Corbels				6	6
(Type : TREATED TIMBER)					
(Depth(mm) : 300)					
(Width(mm) : 350)					
Backwalls/Breastwalls				7	7
Greatest Height (m)		2.40			
Wingwalls				5	5
NW leaning.					
(Total Number of Bearing Piles : 9:9)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Piles				6	5
Paint/Coating				X	X
Abutment Stability				7	7
Scour/Erosion				7	7
Piers/Bents					
(Type :)					
(Total Number of Caps/Corbels :)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Bearing Seats/Caps/Corbels				X	X
(Type :)					
(Depth(mm) :)					
(Width(mm) :)					
(Total Number of Bearing Piles :)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Pier Shaft/Piles				X	X
Greatest Height (m)					
Bracing/Struts/Sheathing				X	X
Backwall scabs					
Nose Plate				X	X

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		6	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				60 degree bend @ North end entering under bridge.
(D/S Direction : S)				
Alignment		4	5	
Bank Stability		5	5	100m D/S with vertical cut bank.
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		4	5	Flow impacting NE wingwall with signs of scouring/erosion - photo. River rock.
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	6	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		4	5	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS							
PATCH DECK	2013	Lift pockets					
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP	2013	Place riprap in front of NE wingwall & backwall, if not done.					
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2013	Replace missing splice bolts in rail.					
OTHER ACTION	2013	Re-erect river ID sign					
OTHER ACTION	2013	Consider upgrading approach guardrail & bridgerail to meet standard.					
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	61.1/50.0	Sufficiency Rating (Last/Now) (%)	52.6/49.5	Est. Repl. Yr	2032	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	Dave Lam		Previous Assistant's Name				
Next Inspection Date	23-Jan-2018		Previous Inspection Date	20-May-2008			
Inspection Cycle (Default) (months)	57						
Comment							