

Bridge Inspection							
Bridge File Number	79321 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1952/1952			Lot No.	2		
Bridge or Town Name	ROCK LAKE			Inspector Name	Wade Nanninga		
Located Over	JARVIS CREEK, 8.11.118.3.4, 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 26 W5M			Data Entry By	Lisa Fairhurst		
Longitude, Latitude	-117:48:13, 53:30:22			Data Entry Date	03-May-2013		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Eric Carcoux		
Contract Main. Area	UNDEFINED CMA			Review Date	29-Apr-2013		
Clear Roadway/Skew	7.3 /			Dept. Reviewer Name			
AADT/Year	5 / 2013 (E)			Dept. Review Date			
Road Classification	RLU-207G-60			Follow-Up By			
Detour Length (km)	999						
Allowable Load (t):	Single	CS1 28 GIRDER	Semi	CS2 49 GIRDER	Train	CS3 62 GIRDER	----> On Critical Spans ---->Critical Member
Design Loading:	HS20						----> 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							
Other Sign Types							

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

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		3	4	90 degree bends both ends of bridge. Serves as access to camping facilities. Poor horizontal alignment.
Vertical Alignment		7	7	
Roadway Width (m)	7.000			
Approach Bump		N	6	
Guardrail (Y/N)	No			
Guardrail		X	X	
Length (m)				
Current Standard (Y/N)	No			
Termination Type	None			
Drainage		7	7	
Approach Road General Rating		3	4	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PG, 1 Spans, Lengths(m): 6.1, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	100				
Now	60.0	0.0	0.0	0.0	
Wearing Surface			X	X	
(Material Type :)					
(Thickness(mm) :)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	4	Covered by snow/gravel. Med transverse crack G5/6 midspan.
Deck Rideability			7	7	
Deck Joints			N	N	Buffer angles covered by snow/gravel.
Bump (Y/N)		No			
Deck Drainage			7	6	Drains between girders.
Drains Clogged (Y/N)		No			
Curbs/Median			5	5	Lift pockets not grouted.
(Curb Type : Standard)					
Scaling (Percent Area)		10			
Bridge Rail			5	5	Single layer.
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			7	7	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	Railing painted over galvanizing. Paint 99% gone.
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	G5/6 med transverse cracking in deck top.
Last					
Now	0	0	0	0	
Girders			5	4	20mm gap between G1/G2 & G8/G9.
Last Complete Inspection Date		23-Apr-2013			G6-Narrow crack in deck extends into both legs. outside AZ. G8-2 med. cracks in deck extend into both legs outside A2, G9-narrow flex. cracks.
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		No			
(Number Of Girders : 9)					
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)				0			
(Extended Backwall Piles Spacing(mm) : 1800)							
(Total Number of Caps/Corbels : 1:1)				20 - 40mm gap between South abut. cap and P1,P2,P5(photo). Gap likely caused by frost heave. (Cap cored in 2012 - no rot. Jan/2012)			
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)			3 (count)	
Last							
Now	0	0	0			1	
Bearing Seats/Caps/Corbels						4	3
(Type : TREATED TIMBER)							
(Depth(mm) : 300)							
(Width(mm) : 350)							
Backwalls/Breastwalls						4	4
Greatest Height (m)		2.25		Backwall clamps. Backwall sheathing bulging from earth pressure.			
Wingwalls				4	4		
(Total Number of Bearing Piles : 5:5)				SE wingwall too high at u/s end. Anchor pile & SE wingwall leaning approx. 150mm from vertical. Tie wire exposed at NW corner.			
Piles Detail Ratings				Piles cored in 2012			
	N (count)	1 (count)	2 (count)	3 (count)			
Last			1	A1P3,P5 crushing from backwall pressure - photo. (A1-P5 rot, approx 100mm void. A1-P3 beginning of rot. A2-P3 beginning of rot. - Jan/2012)			
Now	1	0	0	0			
Piles				2	N		
Paint/Coating				X	X		
Abutment Stability				7	5		
Scour/Erosion				5	5		
Piers/Bents							
(Type :)							
(Total Number of Caps/Corbels :)							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now	0	0	0	0			
Bearing Seats/Caps/Corbels				X	X		
(Type :)							
(Depth(mm) :)							
(Width(mm) :)							

Substructure						
Bridge Component				Last	Now	Explanation of Condition
(Total Number of Bearing Piles :)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Pier Shaft/Piles				X	X	
Greatest Height (m)						
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				2	2	GR carried forward.

Structure Usage						
				Last	Now	Explanation of Condition
Channel						
(U/S Direction : E)						
(D/S Direction : W)						
Alignment				4	4	Right angle bend U/S to east. Creek flow impacts North abutment.
Bank Stability				7	7	
HWM (m below Top of Curb)						Minor drift under bridge. HWM not visible.
Drift (Y/N)		Yes				
Slope Protection				7	5	River rock streambed at bottom of sheathing elev.
(Type : RIP RAP; RIP RAP)						
Guidebank/Spurs				X	X	
Adequacy of Opening				7	6	
(Fish Compensation Measure 1 : NONE)						
(Fish Compensation Measure 2 : NONE)						
Channel General Rating				4	4	

Inspection Cycle (Default) (months)	57
Comment	