

Bridge Inspection							
Bridge File Number	77492 -1 Bridge			Form Type	SG		
Year Built/Year Supstr	1910/1910			Lot No.	4		
Bridge or Town Name	EXSHAW			Inspector Name	Garry Roberts		
Located Over	OPAL CK, 2.13.56.20.1, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	LOCAL ROAD			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	24-Aug-2012		
Legal Land Location	NW SEC 5 TWP 20 RGE 8 W5M			Data Entry By	Lauren Korte		
Longitude, Latitude	-115:05:04, 50:40:25			Data Entry Date	26-Sep-2012		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Tom Carey		
Contract Main. Area	CMA28			Review Date	31-Aug-2012		
Clear Roadway/Skew	5.8 /			Dept. Reviewer Name	Tim Davies		
AADT/Year	20 / 2005 (E)			Dept. Review Date	02-Oct-2012		
Road Classification	RLU-208-100			Follow-Up By			
Detour Length (km)	5						
Allowable Load (t):	Single	CS1 45 STRINGER	Semi	CS2 79 STRINGER	Train	CS3 113 STRINGER	----> 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	Narrow bridge, 30 km/hr.								

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		3	4	Located on a sharp curve and grade to the South. Adequate for reduced. Road signed @ 30 km/hr. Rough river ford U/S 10m.
Vertical Alignment		3	4	
Roadway Width (m)	7.300			Gravel approach.
Approach Bump		4	6	
Guardrail (Y/N)	No			
Guardrail		X	X	
Length (m)				
Current Standard (Y/N)				
Termination Type				
Drainage		6	6	Minor erosion behind NE wingwall.

Approach Road					
			Last	Now	Explanation of Condition
Approach Road General Rating			3	4	
Superstructure					
Bridge Component			Last	Now	Explanation of Condition
(Primary Span : RB, 1 Spans, Lengths(m): 6.1, A-Ident Number: A0999-71)					
Special Features					
Special Feature				X	
(Type :)					
Special Feature				X	
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	100	0	0	0	
Now	0.0	0.0	0.0	0.0	
Wearing Surface			N	6	Some wear @ wheel lines. Stripdeck 280 x 70mm.
(Material Type : UNTREATED TIMBER)					
(Thickness(mm) : 75)					
Deck Top			N	5	Subdeck 70 x 180mm - & planks and 40 x 80 laminated.
Deck Rideability			7	7	
Deck Joints			X	X	
Temperature (deg. C)					
(Expansion Type :)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
Deck Drainage			X	X	
Drains Clogged (Y/N)					
Curbs/Median			6	6	280 x 90 mm T.T. wheelguard.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			8	4	Double layer. Wrong lap at SW. Posts are bolted through the wheelguard and wheelguard blocking but not into steel girder.
(Type : FLEX BEAM)					
Bridge Rail Posts			4	4	
(Type : TREATED TIMBER;TREATED TIMBER)					
Bridge Rail/Posts Coating			7	6	
(Type :)					
Sidewalk			X	X	
Girder/Beam					
Cover Plate			X	X	I steel stringers 170 x 150 mm. 400 - 450 spacing.
Flange			6	6	
Web			6	6	
Stiffeners			X	X	
Splice			X	X	
Weld			X	X	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : RB, 1 Spans, Lengths(m): 6.1, A-Ident Number: A0999-71)				
Diaphragms/Cross Frame		X	X	
Paint Condition		4	4	10% corrosion.
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings		X	X	Bears directly on concrete abutment.
Temperature (deg. C)				
(Expansion Type :)				
(Fixed Type :)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		5	5	2 - 40 x 80 timbers. Laminated subdeck.
Stains (Percent Area)	30			
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		4	4	Minor spalls at SW and NW not affecting bearing.
(Type : CONCRETE)				
Backwalls/Breastwalls		5	5	
Wingwalls		5	4	Minor spall at NE.
Piles		X	X	
Paint/Coating		X	X	
Abutment Stability		7	7	
Scour/Erosion		7	5	Undermined 300mm @ SE. Mostly rock protected - no action
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	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Debris (Y/N)	No			
Substructure General Rating		4	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				Curves @ both ends
(D/S Direction : W)				
Alignment		6	6	
Bank Stability		8	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection (Type : RIP RAP; RIP RAP)		7	7	NW & SW corners have rock gabion, retaining walls.
Guidebank/Spurs		X	X	
Adequacy of Opening		9	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							
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
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) (%)	50.0/50.0	Sufficiency Rating (Last/Now) (%)	60.0/60.5	Est. Repl. Yr	2025	Maint. Req. (Y/N)	No
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	24-Nov-2015		Previous Inspection Date	21-Oct-2008			
Inspection Cycle (Default) (months)	39						
Comment							