

Bridge Inspection									
Bridge File Number	78669 -2 Bridge				Form Type	SG			
Year Built/Year Supstr	1999/1999				Lot No.	4			
Bridge or Town Name	BRAGG CREEK				Inspector Name	Garry Roberts			
Located Over	TRIBUTARY TO ELBOW RIVER, 2.13.33.26, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	TRAIL-PED, ON 50000 FB				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	24-Aug-2012			
Legal Land Location	SE SEC 12 TWP 20 RGE 8 W5M				Data Entry By	Lauren Korte			
Longitude, Latitude	-114:58:24, 50:40:34				Data Entry Date	26-Sep-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey			
Contract Main. Area	UNDEFINED CMA				Review Date	31-Aug-2012			
Clear Roadway/Skew	3 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	5 / 2008 (E)				Dept. Review Date	02-Oct-2012			
Road Classification	RLU-208-100				Follow-Up By				
Detour Length (km)	60								
Allowable Load (t):	Single		Semi		Train		----> On Critical Spans ---->Critical Member		
Design Loading:							----> 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)	No								
Remarks	Not required.								
Other Sign Types									

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			7	7	Pedestrian & park personnel bridge. Located 1 1/2 hours walk from Elbow Lake Trail head.				
Vertical Alignment			7	7					
Roadway Width (m)	3.000				Gravel ped trail.				
Approach Bump			7	7					
Guardrail (Y/N)	No								
Guardrail			X	X					
Length (m)									
Current Standard (Y/N)									
Termination Type									
Drainage			7	7					
Approach Road General Rating			7	7					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : RB, 1 Spans, Lengths(m): 13, A-Ident Number:)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
Last						
Now	0.0	0.0	0.0	0.0		
Wearing Surface				7	6	2 - 460mm x 85mm CCA timber wheelpath planks.
(Material Type : COPPER CHROMATE ARSENATE TREATED TIMBER)						
(Thickness(mm) : 75)						
Deck Top				7	7	75 X 305 CCC Timber.
Deck Rideability				7	7	
Deck Joints				X	X	
Temperature (deg. C)						
(Expansion Type :)						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
Deck Drainage				9	X	Timber deck.
Drains Clogged (Y/N)		No				
Curbs/Median				9	7	100 x 50 CCA timber acts as curb.
(Curb Type : Standard)						
Scaling (Percent Area)		0				
Bridge Rail				9	7	100mm x 100mm posts. 50 x 150mm & 100 x 50mm CCA timber rails.
(Type : COPPER CHROMATE ARSENATE TREATED TIMBER BRIDGE SOLID BEAM (EX. TIMBER RAILS))						
Bridge Rail Posts				9	7	
(Type : TREATED TIMBER;TREATED TIMBER)						
Bridge Rail/Posts Coating				X	X	
(Type :)						
Sidewalk				X	X	
Girder/Beam						
Cover Plate				X	X	2 - 460mm x 190mm steel I-beams. Spliced @ SW.
Flange				9	8	
Web				9	8	
Stiffeners				X	X	
Splice				8	8	
Weld				8	8	
Diaphragms/Cross Frame				9	8	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : RB, 1 Spans, Lengths(m): 13, A-Ident Number:)				
Paint Condition		5	5	Isolated surface corrosion, mostly @ splice.
(Colour Description :)				Grey/silver.
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings		9	8	Sliding plate on 5mm plastic plate expansion bearings @ South.
Temperature (deg. C)	15			
(Expansion Type : SLIDING PLATE)				
(Fixed Type : PINNED BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	290mm x 90mm CCA timber subdeck.
Stains (Percent Area)	0			
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		9	8	200 X 200 galvanized steel box caps.
(Type : STEEL)				
Backwalls/Breastwalls		7	7	Galvanized steel retaining walls.
Wingwalls		8	7	CCA treated timber.
Piles		N	X	CCA treated sills.
Paint/Coating		9	8	Galvanized.
Abutment Stability		9	8	
Scour/Erosion		9	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		8	8	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		7	7	
Bank Stability		8	7	
HWM (m below Top of Curb)	1.9			No visible HWM.
Drift (Y/N)	No			
Slope Protection		7	7	
(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		7	7	

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) (%)	83.3/83.3	Sufficiency Rating (Last/Now) (%)	89.6/89.6	Est. Repl. Yr	2035	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-May-2017		Previous Inspection Date	17-Oct-2008			
Inspection Cycle (Default) (months)	57						
Comment							