

Bridge Inspection										
Bridge File Number	79767 -1 Bridge					Form Type	SS			
Year Built/Year Supstr	1983/1983					Lot No.	2			
Bridge or Town Name	BRAGG CREEK					Inspector Name	Garry Roberts			
Located Over	LITTLE ELBOW RIVER, 2.13.33.25, 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	28-Jul-2012			
Legal Land Location	SE SEC 23 TWP 21 RGE 7 W5M					Data Entry By	Anne Roberts			
Longitude, Latitude	-114:51:21, 50:47:32					Data Entry Date	23-Aug-2012			
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Tom Carey			
Contract Main. Area	UNDEFINED CMA					Review Date	07-Aug-2012			
Clear Roadway/Skew	1.5 /					Dept. Reviewer Name	Tim Davies			
AADT/Year						Dept. Review Date	24-Aug-2012			
Road Classification						Follow-Up By				
Detour Length (km)	60									
Allowable Load (t):	Single		Semi		Train					
Design Loading:									----> On Critical Spans ---->Critical Member	
									----> Primary Span	

Posting Information										
Required Vert. Clearance Posting (m)										
Posted Vertical Clearance (Y/N)										
Posted:	Lane	NB	On Bridge (m)		In Advance (Y/N)		Lane	SB	On Bridge (m)	In Advance (Y/N)
Remarks	Not required.									
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. - Stream crossing									
Hazard Marker At Bridge (Y/N)		No								
Remarks		Not required.								
Other Sign Types		Harold Chapman Bridge, No horses allowed.								

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

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Pedestrian crossing with good path to bridge transition.				
Vertical Alignment			7	7					
Roadway Width (m)		1.800							
Approach Bump			7	5					
Guardrail (Y/N)		Yes	Timber approach rail, hand rail for pedestrians.						
Guardrail			7	7					
Length (m)		12.000							
Current Standard (Y/N)		No							
Termination Type									
Drainage			5	7					
Approach Road General Rating			7	7					

Superstructure						
Bridge Component				Last	Now	Explanation of Condition
(Primary Span : SSS, 1 Spans, Lengths(m): 60.8, 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				6	4	50 x 150 CCA timber wearing surface on 25 x 150 transverse timber on 75 x 150 CCA stringers. One loose plank @ SW corner and 1 missing at SE
(Material Type : UNTREATED TIMBER)						
(Thickness(mm) : 75)						
Deck Top				N	N	
Deck Rideability				9	5	
Deck Joints				X	7	Both abuts.
Temperature (deg. C)	20					
(Expansion Type : SLIDING PLATES)						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
Deck Drainage				7	X	
Drains Clogged (Y/N)						
Curbs/Median				7	7	140 x 150 stacked 75 x 150 CCA timber wheelguards.
(Curb Type : Standard)						
Scaling (Percent Area)	0					
Bridge Rail				7	7	CCA & Untreated timber top & Bottom rails with steel HSS posts & Steel vertical panels
(Type : BRIDGE SOLID BEAM (EX. TIMBER RAILS))						
Bridge Rail Posts				7	7	
(Type : POST STEEL;POST STEEL)						
Bridge Rail/Posts Coating				7	7	
(Type : PAINT)						
Sidewalk				X	X	
Top Chord				8	8	Top cable. Diagonal sway brace cables Vertical cables.
Diagonals				X	8	
Verticals				8	8	Truss
Connections				6	7	
Floor Beams				8	8	75 mm x 150 mm CCA
Bottom Chord				8	8	
Stringers				8	7	
Girders				X	X	
Diaphragms/Cross Frame				8	8	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : SSS, 1 Spans, Lengths(m): 60.8, A-Ident Number:)				
Paint Condition		7	7	
(Colour Description : RED)				
(Colour Code : 21310)				
Touchup Required (Y/N)	No			
Bearings		7	7	Suspended by cable. Appears to be in good condition where cable bears on tower. Bearing is timber deck on timber end caps and cable of top of towers
Temperature (deg. C)	20			
(Expansion Type :)				
(Fixed Type : PINNED BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	6	
Stains (Percent Area)	5			
(Snow Slots Filled :)				
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		6	6	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps/Corbels		7	7	Towers bear on concrete pedestals. 2/abut.
(Type : CONCRETE)				
(Depth(mm) : 800)				
(Width(mm) : 800)				
Backwalls/Breastwalls		4	4	3 - 75x75x1900 timbers rotted @ North
Wingwalls		X	X	
Piles		7	7	
Paint/Coating		X	X	
Abutment Stability		8	7	
Scour/Erosion		8	8	
Piers/Bents				
(Type :)				
Bearing Seats/Caps/Corbels		X	X	
(Type :)				
(Total Number of Bearing Piles :)				
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	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		7	7	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Yes			Trees @ stream bed - minor
Slope Protection		7	7	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	9	
(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	2012	Nail in loose plank @ SW corner and replace 1 - 50x150x2.9 CCA plank					
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	2012	Rebuild North backwall planks, 3 - 75 x 75 x 1900.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	72.2/72.2	Sufficiency Rating (Last/Now) (%)	81.1/81.1	Est. Repl. Yr	2035	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	Tom Carey		Previous Assistant's Name				
Next Inspection Date	28-Apr-2017		Previous Inspection Date	24-Oct-2008			
Inspection Cycle (Default) (months)	57						
Comment							