

Bridge Inspection							
Bridge File Number	78210 -1 Bridge			Form Type	PT		
Year Built/Year Supstr	1960/1921			Lot No.	4		
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	LOCAL ROAD			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	28-Jul-2012		
Legal Land Location	SW SEC 21 TWP 21 RGE 7 W5M			Data Entry By	Kelsey Roberts		
Longitude, Latitude	-114:55:03, 50:47:43			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	4.3 /			Dept. Reviewer Name	Tim Davies		
AADT/Year	2 / 2012 (E)			Dept. Review Date	24-Aug-2012		
Road Classification	RLU-207G-60			Follow-Up By			
Detour Length (km)	999						
Allowable Load (t):	Single	H 11 U1U2	Semi	HS 12 U2U3	Train	CS3 20 U2U3	----> On Critical Spans ---->Critical Member
Design Loading:	HS15						----> Primary Span

Posting Information							
Required Load Posting (t)	Single	12	Semi	13	Truck Train	20	
Posted Loading (t)	Single	12.0	Semi	13.0	Truck Train	20.0	
Posted:	Lane	WB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N) Yes
Posted:	Lane	EB	At Junction (Y/N)	Yes	In Advance (Y/N)	No	At Bridge (Y/N) Yes
Remarks	At Junction of Powderface Trail & Little Elbow Campground						
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		5	5	Adequate for use as a trail bridge. Located approx. 4 km NW behind locked gate at Little Elbow Campground.
Vertical Alignment		5	5	
Roadway Width (m)	4.400			This is a land access used by pedestrians or park officials.
Approach Bump		5	5	
Guardrail (Y/N)	No			
Guardrail		X	X	
Length (m)				
Current Standard (Y/N)				
Termination Type				
Drainage		7	5	
<b>Approach Road General Rating</b>		<b>5</b>	<b>5</b>	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PT, 1 Spans, Lengths(m): 18.3, A-Ident Number: A0021-16)					
<b>Special Features</b>					
Special Feature			X		
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>					
<b>Now</b>	0.0	0.0	0.0	0.0	
Wearing Surface/Deck Top				6	6
(Material Type : <b>COPPER CHROMATE ARSENATE TREATED TIMBER</b> )				4 planks @ each wheel line.	
(Plank Thickness(mm) : <b>75</b> )					
(Plank Width(mm) : <b>300</b> )					
Deck Rideability			6	6	
Deck Joints			X	X	
Temperature (deg. C)					
(Expansion Type : )					
(Fixed Type : )					
Gap Size (mm)		Gap Location			
Curbs/Wheel Guards			7	7	150x305 TI.T. blocks
(Curb Type : <b>Standard</b> )					
(Type : )					
(Thickness(mm) : <b>100</b> )					
(Width(mm) : <b>302</b> )					
Bridge Rail			7	7	Nonstandard 2 - 40 x 140 CCA timber. Rails @ 1.1m high.
(Type : <b>BRIDGE SOLID BEAM (EX. TIMBER RAILS)</b> )					
Bridge Rail Posts/Blocking			7	7	
(Type : <b>POST STEEL;POST STEEL</b> )					
Bridge Rail/Posts Coating			7	7	
(Type : <b>PAINT</b> )					
Sidewalk			X	X	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PT, 1 Spans, Lengths(m): 18.3, A-Ident Number: A0021-16)					
Wide Load Damage (Y/N)	Yes			No truss ID plate. U1L2W & U2L3W have minor bends from traffic 10-25mm. Sweep in top chord. 25mm West and 15mm East & 15mm sag. U1L2 on West truss, minor bend - 25mm. U2L3W minor 20mm bend @ L3. Bent up to 100mm @ panel #2. Bottom laterals are eyebars and cables.	
Top Chord		4	5		
Batter Posts		7	7		
Diagonals		4	5		
Verticals		7	7		
Connections		6	7		
Floor Beams		7	7		
Bottom Chord		7	7		
Lateral Bracings		5	5		
(No. of Stringers : 35)					
Stringer Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>	0	0	0	0	
Stringers		7	6		
(Type : TREATED TIMBER)					
(Width(mm) : 150)					
(Depth(mm) : 300)					
(Spacing(mm) : 800)					
Paint Condition		6	6		
(Colour Description : BLUE)					
(Colour Code : 15182)					
Touchup Required (Y/N)	No				
Bearings		7	7		
Temperature (deg. C)	23				
(Expansion Type : SLIDING PLATE)					
(Fixed Type : PINNED BEARING)					
Functioning (Y/N)	Yes				
Sub Deck/Deck Underside		7	6		
(Material Type : TREATED TIMBER)					
(Plank Thickness(mm) : 100)					
(Plank Width(mm) : 305)					
Defects (Percent Area)	0				
<b>Span Alignment Problems</b>					
Vertical (Y/N)	No				
Horizontal (Y/N)	No				
<b>Superstructure General Rating</b>		<b>4</b>	<b>5</b>		
Substructure					
Bridge Component		Last	Now	Explanation of Condition	
<b>Abutments</b>					
(Extended Backwall Piles (Y/N) : Y)					
(Extended Backwall Piles Spacing(mm) : 1500)					
				Timber caps & corbels on timber piles at West and concrete footing at the East.	
				All petrotac covered at West. Massive concrete at East.	

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
(Total Number of Caps/Corbels : <b>8:1</b> )					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>	0	0	0	0	
Bearing Seats/Caps/Corbels			7	6	
(Type : <b>CONCRETE</b> )					
(Depth(mm) : <b>305</b> )					
(Width(mm) : <b>305</b> )					
Backwalls/Breastwalls			7	6	
Greatest Height (m)		1.80			
Wingwalls			7	7	
Wingwalls at NW only.					
(Total Number of Bearing Piles : <b>12:0</b> )					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>	0	0	0	0	
Piles			7	6	
Paint/Coating			X	X	
Abutment Stability			7	7	
Scour/Erosion			7	7	
<b>Piers/Bents</b>					
(Type : )					
(Total Number of Caps/Corbels : )					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>					
Bearing Seats/Caps/Corbels			X	X	
(Type : )					
(Total Number of Bearing Piles : )					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>					
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			
<b>Substructure General Rating</b>			<b>6</b>	<b>6</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>N</b> )		Stream enters the Little Elbow 15m NW. Rock wall @ NE.		
(D/S Direction : <b>S</b> )				
Alignment		6	6	
Bank Stability		7	7	
HWM (m below Top of Curb)	1.8			No visible HWM
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : <b>RIP RAP; RIP RAP</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		6	6	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>6</b>	<b>6</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
PATCH DECK							
REPLACE SUB DECK							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>55.6/61.1</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>44.5/47.0</b>	Est. Repl. Yr	2030	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	28-Oct-2015		Previous Inspection Date	17-Oct-2008			
Inspection Cycle (Default) (months)	39						
Comment							