

Bridge Inspection									
Bridge File Number	78721 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1976/1976				Lot No.	2			
Bridge or Town Name	RICHDALE				Inspector Name	Jason Saly			
Located Over	TRIBUTARY TO BERRY CREEK, 3.14.14, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	586:01 C1 14.629				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	08-Jun-2011			
Legal Land Location	SE SEC 16 TWP 32 RGE 12 W4M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-111:38:09, 51:44:11				Data Entry Date	28-Jun-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	CMA21				Review Date	18-Jun-2011			
Clear Roadway/Skew	7.6 /				Dept. Reviewer Name	Chris Black			
AADT/Year	130 / 2010 (A)				Dept. Review Date	30-Jun-2011			
Road Classification	RLU-208G-90				Follow-Up By				
Detour Length (km)	3								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	---> On Critical Spans --->Critical Member		
Design Loading:	HS25						---> Primary Span		

Posting Information									
Required Load Posting (t)	Single				Semi		Truck Train		
Posted Loading (t)	Single				Semi		Truck Train		
Posted:	Lane	EB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	WB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Remarks									

Hazard Marker At Bridge (Y/N)	Yes								
Remarks	All are 350mm offline & SE is 500mm too low.								
Other Sign Types									

Utilities (Located at)									
Utility Attachments									
Telephone	South r/w.				Gas				
Power	South r/w. 1 OH.				Municipal				
Others					Problem (Y/N)	No			
Remarks	Gas also crosses to NE of bridge.								

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		7	7	Road allowance 50m E, field approach 50m W. Grade increases to W w/crest 100m W.					
Vertical Alignment		7	7						
Roadway Width (m)	7.300			Minor damage at NE; still functional.					
Approach Bump		7	7						
Guardrail (Y/N)	Yes								
Guardrail		7	5						
Length (m)	7.600			Too short and lacks posts.					
Current Standard (Y/N)	No								
Termination Type	TURNDOWN END								
Drainage		7	7						
<b>Approach Road General Rating</b>		<b>7</b>	<b>7</b>						

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : VS, 1 Spans, Lengths(m): 7.6, A-Ident Number: )					
<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>	0	0	0	0	
<b>Now</b>	0.0	0.0	0.0	0.0	
Wearing Surface			7	6	Cold Mix
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>140</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			X	X	No formal deck joints.
Bump (Y/N)		No			
Deck Drainage			X	5	No drains.
Drains Clogged (Y/N)					
Curbs/Median			5	5	Minor grader chips at SE. Lift pockets not grouted.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		5			
Bridge Rail			7	7	Single layer.
(Type : <b>GALVANIZED STEEL FLEX BEAM</b> )					
Bridge Rail Posts			7	7	
(Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			7	7	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
<b>Girder Detail Ratings</b>					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0	0	0	0	
Girders			5	5	Typical diagonal hairline cracks on curb units. Hairline long. cracks down center of girder (minor). Staining btwn G6-7; minor.
Last Complete Inspection Date		08-Jun-2011			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		No			
(Number Of Girders : <b>7</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>5</b>	<b>5</b>	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : Y)				Backwalls extended.		
(Extended Backwall Piles Spacing(mm) : 1200)						
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)			3 (count)
<b>Last</b>	0	0	0			0
<b>Now</b>	0	0	0			0
Bearing Seats/Caps/Corbels			6			6
(Type : TREATED TIMBER)						
(Depth(mm) : 355)						
(Width(mm) : 305)						
Backwalls/Breastwalls			7	6		
Greatest Height (m)		2.50				
Wingwalls			7	7		
(Total Number of Bearing Piles : 8:8)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	0	0	0	0		
<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 : )						
(Depth(mm) : )						
(Width(mm) : )						
(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 : )						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	Yes			Old piles under bridge.
<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> )				(Streambed scoured beyond bridge. 21Sep2008).
(D/S Direction : <b>S</b> )				
Alignment		6	6	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		6	6	
(Type : <b>NATURAL; NATURAL</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		5	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										
SEAL CURBS										
PATCH DECK										
OVERLAY DECK										
STRAIGHTEN/REPLACE MEMBERS										
WASHING										
SHOTCRETE REPAIRS										
CORE TIMBER CAPS/CORBELS										
REPAIR/REPLACE TIMBER CAPS										
REPAIR ABUTMENT SCOUR/EROSION										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL STRUTS										
OTHER ACTION	2011	Grout lift pockets. 0.1m HM								
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
<b>Structural Condition Rating (Last/Now)</b>	<b>61.1/61.1</b>	<b>Sufficiency Rating (Last/Now)</b>	<b>67.9/67.9</b>	<b>Est. Repl. Yr</b>	<b>2034</b>	<b>Maint. Req. (Y/N)</b>	<b>Yes</b>			
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	Cameron Baron		Previous Assistant's Name							
Next Inspection Date	08-Sep-2014		Previous Inspection Date	21-Sep-2008						
Inspection Cycle (Default) (months)	39									
Comment										

**Maintenance Recommendations**

Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL						
SEAL CURBS						
PATCH DECK						
OVERLAY DECK						
STRAIGHTEN/REPLACE MEMBERS						
WASHING						
SHOTCRETE REPAIRS						
CORE TIMBER CAPS/CORBELS						
REPAIR/REPLACE TIMBER CAPS						
REPAIR ABUTMENT SCOUR/EROSION						
PLACE ADDITIONAL RIP RAP						
REMOVE DRIFT ACCUMULATION						
INSTALL STRUTS						
OTHER ACTION	2011	Grout lift pockets. 0.1m HM	Programmed	2012		
OTHER ACTION			Patch SE corner curb, programmed	2012		
OTHER ACTION						
OTHER ACTION						
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>61.1/61.1</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>67.9/67.9</b>	Est. Repl. Yr	2034	Maint. Req. (Y/N) Yes
Special Comments for Next Inspection			Department Comments	Programmed in PBM for replacement in 2025. DA		
Maintenance Reviewed By	Darron Ahlstedt		Date	20-Aug-2012	Estimated Total	0
Proposed Long-Term Strategy						
On 3-Year Program (Y/N)						
Proposed Action						
Previous Inspector's Name	Cameron Baron		Previous Assistant's Name			
Next Inspection Date	08-Sep-2014		Previous Inspection Date	21-Sep-2008		
Inspection Cycle (Default) (months)	39					

Comment	
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