

Bridge Inspection									
Bridge File Number	09677 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1969/1969				Lot No.	2			
Bridge or Town Name	RICHDALÉ				Inspector Name	Jason Saly			
Located Over	BERRY CREEK, 3.14, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	586:01 C1 20.089				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	09-Jun-2011			
Legal Land Location	SW SEC 26 TWP 32 RGE 12 W4M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-111:36:14, 51:45:56				Data Entry Date	02-Jul-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	CMA21				Review Date	17-Jun-2011			
Clear Roadway/Skew	7.3 /				Dept. Reviewer Name	Chris Black			
AADT/Year	130 / 2010 (A)				Dept. Review Date	04-Jul-2011			
Road Classification	RCU-208-110				Follow-Up By				
Detour Length (km)	6								
Allowable Load (t):	Single	CS1 28 GIRDER	Semi	CS2 49 GIRDER	Train	CS3 65 GIRDER	---> 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	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	400mm offline.								
Other Sign Types									
Utilities (Located at)									
Utility Attachments									
Telephone	S ditch.				Gas				
Power	N r/w.				Municipal				
Others					Problem (Y/N)		No		
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	Int 300M W				
Vertical Alignment			8	8					
Roadway Width (m)	7.600								
Approach Bump			7	7					
Guardrail (Y/N)	Yes				Minor collision damage @ NW.				
Guardrail			5	5					
Length (m)	7.600								
Current Standard (Y/N)	No				Not long enough & no intermediate posts.				
Termination Type	TURN DOWN ENDS								
Drainage			6	6					
<b>Approach Road General Rating</b>			<b>7</b>	<b>6</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>HC, 3 Spans, Lengths(m): 6.1-6.1-6.1, A-Ident Number: )</b>					
<b>Special Features</b>					
Special Feature			X	File tags NE & SW	
(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			5	5	Cold mix - tapers down at gutters. @ SE. No photo.
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>150</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	Covered
Deck Rideability			5	6	
Deck Joints			N	N	Covered
Bump (Y/N)		No			
Deck Drainage			5	5	At SE.
Drains Clogged (Y/N)		Yes			
Curbs/Median			4	5	NE corner chipped (minor). Lift pockets not grouted.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		1			
Bridge Rail			3	7	2nd layer added to flexbeam bridgerail.
(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			6	7	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	9	0	0	0	
Girders			6	6	Hairline vertical flex cracks in legs. Minor cracks @ drift pin locations E abutment.
Last Complete Inspection Date		20-Sep-2008			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : <b>27</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		Yes		SE Corner low so road is built up w/ 150 mm cold mix.	
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>6</b>	<b>6</b>	

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
<b>Abutments</b>					
(Extended Backwall Piles (Y/N) : Y)					
(Extended Backwall Piles Spacing(mm) : 1600)					
(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	8	
(Type : TREATED TIMBER)					
(Depth(mm) : 355)					
(Width(mm) : 305)					
Backwalls/Breastwalls			7	7	
Greatest Height (m)		1.60			
Wingwalls			7	7	
(Total Number of Bearing Piles : 6:6)					
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	7	
Paint/Coating			X	X	
Abutment Stability			7	7	
Scour/Erosion			7	6	
<b>Piers/Bents</b>					
(Type : PIER-COLUMN)					
(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			4	8	
(Type : TREATED TIMBER)					
(Depth(mm) : 305)					
(Width(mm) : 355)					
(Total Number of Bearing Piles : 6:6)					
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	
Pier Shaft/Piles			4	6	
Greatest Height (m)		3.30			
Bracing/Struts/Sheathing			6	6	
Nose Plate			X	X	
Paint/Coating			X	X	
(Colour Description : )					
(Colour Code : )					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		7	7	
Scour		6	6	
Debris (Y/N)	Yes			Old piles.
<b>Substructure General Rating</b>		<b>4</b>	<b>6</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>N</b> )				Gentle bends at D/S end.
(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		7	6	
(Type : <b>RIP RAP; RIP RAP</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(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	Assess dead load on girders.								
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>55.6/66.7</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>65.6/70.3</b>	<b>Est. Repl. Yr</b>	<b>2030</b>	<b>Maint. Req. (Y/N)</b>	<b>Yes</b>			
Special Comments for Next Inspection	Consider upgrading approach rail to meet std at next major rehab or sooner as necessary. CB. 2008 assess loading due to 150mm cold mix at SE.		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	09-Sep-2014	Previous Inspection Date	20-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	Assess dead load on girders.				
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>55.6/66.7</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>65.6/70.3</b>	Est. Repl. Yr	2030	Maint. Req. (Y/N) Yes
Special Comments for Next Inspection	Consider upgrading approach rail to meet std at next major rehab or sooner as necessary. CB. 2008 assess loading due to 150mm cold mix at SE.		Department Comments	Currently programmed in PMA for replacement in 2022, structure was rehabbed in 2010. DA		
Maintenance Reviewed By	Darron Ahlstedt		Date	28-May-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	09-Sep-2014		Previous Inspection Date	20-Sep-2008		
Inspection Cycle (Default) (months)	39					

Comment	
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