

Bridge Inspection							
Bridge File Number	73590 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1967/1967			Lot No.	2		
Bridge or Town Name	RYLEY			Inspector Name	Jason Saly		
Located Over	TRIBUTARY TO BEAVERHILL CREEK, 6.62.14, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	626:02 C1 17.983			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	26-Jun-2012		
Legal Land Location	SW SEC 3 TWP 51 RGE 17 W4M			Data Entry By	Marcia Chavez		
Longitude, Latitude	-112:26:05, 53:22:01			Data Entry Date	13-Jul-2012		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	John O'Brien		
Contract Main. Area	CMA14			Review Date	05-Jul-2012		
Clear Roadway/Skew	8.2 /			Dept. Reviewer Name	Andrew Smikles		
AADT/Year	260 / 2011 (A)			Dept. Review Date	19-Jul-2012		
Road Classification	RCU-208G-90			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	Not required.							

Hazard Marker At Bridge (Y/N)	Yes
Remarks	
Other Sign Types	

Utilities (Located at)			
Utility Attachments			
Telephone	Plowed in South ditch.	Gas	
Power		Municipal	
Others		Problem (Y/N)	No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	"T" intersection with North road 50m West.
Vertical Alignment		7	7	
Roadway Width (m)	7.600			Gravel road.
Approach Bump		7	7	
Guardrail (Y/N)	Yes			Broken post at SW.
Guardrail		8	3	
Length (m)	19.000			
Current Standard (Y/N)	No			Insufficient post/spacing.
Termination Type	Turn Down			
Drainage		8	4	Windrows under guardrail.
<b>Approach Road General Rating</b>		<b>7</b>	<b>7</b>	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>HC, 1 Spans, Lengths(m): 6.1, A-Ident Number: )</b>					
<b>Special Features</b>					
Special Feature			X		
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Covered by gravel.
<b>Last</b>	90				
<b>Now</b>	95.0	0.0	0.0	0.0	
Wearing Surface			X	X	
(Material Type : )					
(Thickness(mm) : )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	Covered by gravel.
Deck Rideability			7	7	
Deck Joints			N	N	Buffer angles. Gravel covered.
Bump (Y/N)		No			
Deck Drainage			5	5	
Drains Clogged (Y/N)		No			
Curbs/Median			6	5	Grader blade gouges at N curb. Gravel atop the S curb.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		2			
Bridge Rail			3	3	Single layer. Missing 16 splice bolts @ both side splices.
(Type : <b>GALVANIZED STEEL FLEX BEAM</b> )					
Bridge Rail Posts			9	8	
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			7	7	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>	0	0	0	0	
Girders			5	4	G1-3, G5,7-10 narrow longit. cracks & spalls in AZ of W end. Typical flexural cracks. Drift spalls.
Last Complete Inspection Date		26-Jun-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		2			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : <b>10</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>5</b>	<b>4</b>	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 1500)						
(Total Number of Caps/Corbels : 3:3)				West caps charred by fire.		
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				5	5	
(Type : TREATED TIMBER)						
(Depth(mm) : 350)						
(Width(mm) : 300)						
Backwalls/Breastwalls			5	5		
Greatest Height (m)		1.80		West backwall has been burnt with all components charred. Bottom of backwall sheathing exposed.		
Wingwalls			4	4		
Top plank @ NE separated from ext pile.						
(Total Number of Bearing Piles : 6:6)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>	0	0	0	0		
Piles				5	5	
Paint/Coating				X	X	
Abutment Stability			5	5		
Bottom of West sheathing beginning to be exposed.						
Scour/Erosion			5	5		
Small scour hole under bridge, no problem.						
<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			7	6		
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)	Yes			Old piles under bridge. Oil drum under bridge.
<b>Substructure General Rating</b>		<b>5</b>	<b>5</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>S</b> )				
(D/S Direction : <b>N</b> )				
Alignment		7	7	
Bank Stability		7	7	Grass meadows on both sides of road.
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : <b>NATURAL; NATURAL</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>7</b>	<b>7</b>	

Maintenance Recommendations										
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #				
REPAIR/REPLACE BRIDGE RAIL	2012	Install 16 splice bolts, upgrade to double layer to meet standard.								
SEAL CURBS										
PATCH DECK										
OVERLAY DECK										
STRAIGHTEN/REPLACE MEMBERS										
WASHING	2012	Remove gravel from curb top & deck top.								
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	2012	Remove oil drum & garbage @ North side under bridge.								
OTHER ACTION	2012	Replace guardrail post.								
OTHER ACTION										
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>55.6/50.0</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>68.1/65.6</b>	<b>Est. Repl. Yr</b>	<b>2017</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	Dave Lam	Previous Assistant's Name								
Next Inspection Date	26-Sep-2015	Previous Inspection Date	11-Aug-2009							
Inspection Cycle (Default) (months)	39									
Comment										

**Maintenance Recommendations**

Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL	2012	Install 16 splice bolts, upgrade to double layer to meet standard.	Next time on site			
SEAL CURBS						
PATCH DECK						
OVERLAY DECK						
STRAIGHTEN/REPLACE MEMBERS						
WASHING	2012	Remove gravel from curb top & deck top.	To operations			
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	2012	Remove oil drum & garbage @ North side under bridge.	Next time on site			
OTHER ACTION	2012	Replace guardrail post.	Next time on site			
OTHER ACTION						
OTHER ACTION						
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>55.6/50.0</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>68.1/65.6</b>	Est. Repl. Yr	2017	Maint. Req. (Y/N) Yes
Special Comments for Next Inspection			Department Comments	Replacement programmed for 2022		
Maintenance Reviewed By	Andrew Smikles	Date	20-Nov-2012	Estimated Total	0	
Proposed Long-Term Strategy						
On 3-Year Program (Y/N)						
Proposed Action						
Previous Inspector's Name	Dave Lam	Previous Assistant's Name				
Next Inspection Date	26-Sep-2015	Previous Inspection Date	11-Aug-2009			
Inspection Cycle (Default) (months)	39					

Comment	
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