

Bridge Inspection											
Bridge File Number	82128 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1999/1999				Lot No.	2					
Bridge or Town Name					Inspector Name	Jason Saly					
Located Over	WOLF CREEK, 5.56, WATERCRS-ST				Inspector Class	BR CLS A					
Located On	RAMP 54-1 G				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	20-Mar-2013					
Legal Land Location	SW SEC 9 TWP 41 RGE 26 W4M				Data Entry By	Marcia Chavez					
Longitude, Latitude	-113:41:22, 52:30:26				Data Entry Date	01-Apr-2013					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien					
Contract Main. Area	CMA19				Review Date	26-Mar-2013					
Clear Roadway/Skew	8.4 / 9 deg. (RHF)				Dept. Reviewer Name	Chris Black					
AADT/Year	110 / 2013 (E)				Dept. Review Date	09-Apr-2013					
Road Classification	RAU-209-110				Follow-Up By						
Detour Length (km)											
Allowable Load (t):	Single	CS1 28			Semi	CS2 49			Train	CS3 62	---> On Critical Spans --->Critical Member
Design Loading:	CS750									---> 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	Wolf Creek ID; Wrong Way									

Utilities (Located at)										
Utility Attachments										
Telephone					Gas					
Power	Crosses to East - also in South row.				Municipal					
Others	Light standards South.				Problem (Y/N)	No				
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			5	5	Intersection with Hwy 2A 30m East.				
Vertical Alignment			7	7					
Roadway Width (m)			8.500		Minor settlement, both ends.				
Approach Bump			5	5					
Guardrail (Y/N)			Yes		Missing post at SW. Suspect posts missing at other 3 T.D. ends.				
Guardrail			3	3					
Length (m)			26.200						
Current Standard (Y/N)			No		Not thrie-beam.				
Termination Type			Turndown						
Drainage			7	7					
<b>Approach Road General Rating</b>			<b>5</b>	<b>5</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>SCC, 1 Spans, Lengths(m): 14, 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 (%)	Snow covered.
<b>Last</b>	0	0	0	0	
<b>Now</b>	5.0	0.0	0.0	0.0	
Wearing Surface			6	5	Minor ravelling at S end of bridge.
(Material Type : <b>MIX TYPE 2 ACP</b> )					
(Thickness(mm) : <b>90</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	Paved over.
Deck Rideability			7	7	
Deck Joints			X	X	
Bump (Y/N)		No			
Deck Drainage			5	N	(Partially plugged. 15Oct2009) - Snow covered.
Drains Clogged (Y/N)					
Curbs/Median			7	N	(Wide cracks across tops and both faces - typical. 15Oct2009) - Snow covered.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			8	8	
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts			8	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>	0	0	0	0	
<b>Now</b>	0	0	0	0	
Girders			7	7	
Last Complete Inspection Date		20-Mar-2013			
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : <b>8</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>7</b>	<b>7</b>	

Substructure							
Bridge Component		Last	Now	Explanation of Condition			
<b>Abutments</b>							
(Extended Backwall Piles (Y/N) : <b>N</b> )							
(Extended Backwall Piles Spacing(mm) : )							
(Total Number of Caps/Corbels : <b>1:1</b> )							
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				8	8	Minor staining S end of E abut.	
(Type : <b>CONCRETE</b> )							
(Depth(mm) : <b>1450</b> )							
(Width(mm) : <b>600</b> )							
Backwalls/Breastwalls							
				X	8	Breastwall rated.	
Greatest Height (m)		2.20					
Wingwalls				8	8		
(Total Number of Bearing Piles : <b>0:0</b> )							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
<b>Last</b>	1	0	0	0			
<b>Now</b>	100	0	0	0			
Piles				N	N	Buried.	
Paint/Coating				6	6	Map cracking at wings.	
Abutment Stability				9	9		
Scour/Erosion				8	8		
<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)	No			
<b>Substructure General Rating</b>		<b>8</b>	<b>8</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	
HWM (m below Top of Curb)				No visible HWM.
Drift (Y/N)	No			
Slope Protection		8	7	
(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>7</b>	<b>7</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	2013	Install 4 posts at terminal ends 150x200x1.5.								
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>83.3/83.3</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>73.0/72.9</b>	<b>Est. Repl. Yr</b>	<b>2060</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	Garry Roberts	Previous Assistant's Name	Chris Black							
Next Inspection Date	20-Dec-2014	Previous Inspection Date	15-Oct-2009							
Inspection Cycle (Modified) (months)	21									
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	2013	Install 4 posts at terminal ends 150x200x1.5.				
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>83.3/83.3</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>73.0/72.9</b>	Est. Repl. Yr	2060	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	Garry Roberts		Previous Assistant's Name	Chris Black		
Next Inspection Date	20-Dec-2014		Previous Inspection Date	15-Oct-2009		
Inspection Cycle (Modified) (months)	21					

Comment	
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