

Bridge Inspection									
Bridge File Number	72699 -2 Bridge				Form Type	PCS			
Year Built/Year Supstr	2011/2011				Lot No.	3			
Bridge or Town Name	WAINWRIGHT				Inspector Name	Jason Saly			
Located Over	BUFFALO CREEK, 5.14, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	41:18 C1 19.466				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	27-Nov-2012			
Legal Land Location	SW SEC 31 TWP 46 RGE 6 W4M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-110:52:07, 53:00:27				Data Entry Date	17-Jan-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	CMA15				Review Date	14-Dec-2012			
Clear Roadway/Skew	12.4 /				Dept. Reviewer Name	Andrew Smikles			
AADT/Year	1,140 / 2011 (A)				Dept. Review Date	18-Jan-2013			
Road Classification	RAU-211.8-110				Follow-Up By				
Detour Length (km)	12								
Allowable Load (t):	Single		Semi		Train				----> On Critical Spans ---->Critical Member
Design Loading:									----> Primary Span
Posting Information									
Required Load Posting (t)	Single				Semi				Truck Train
Posted Loading (t)	Single				Semi				Truck Train
Posted:	Lane	NB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	SB	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	Higher than std.								
Other Sign Types	Information "Buffalo Creek"; Steep Grade 7% at S approach								
Utilities (Located at)									
Utility Attachments									
Telephone	W r/w				Gas				
Power					Municipal				
Others	WSG gauge station 100m				Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	Approach at SW corner 85m S.				
Vertical Alignment			6	5	Long horiz. curve to N. Steep 8% grade to S; 7% grade to N. Bridge located in bottom of long vert. curve.				
Roadway Width (m)	10.500				Newly paved approaches are rough (worse at transition to existing pavement) with possible settlement occurring; can be driven at posted speed limit.				
Approach Bump			5	5					
Guardrail (Y/N)	No								
Guardrail			9	9					
Length (m)	59.500								
Current Standard (Y/N)	Yes								
Termination Type	Turndown								
Drainage			7	N	Snow covered.				
<b>Approach Road General Rating</b>			<b>6</b>	<b>5</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>SLC, 1 Spans, Lengths(m): 20, 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 in gutters.
<b>Last</b>	0	0	0	0	
<b>Now</b>	20.0	0.0	0.0	0.0	
Wearing Surface			9	9	
(Material Type : <b>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			N	N	
Bump (Y/N)		No			
Deck Drainage			9	N	No deck drains. Snow covered.
Drains Clogged (Y/N)		No			
Curbs/Median			9	N	(Staining on top of curbs around all posts due to grout pad installation (photo). 17Jul2012) - Snow covered.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			9	9	
(Type : <b>GALVANIZED STEEL THRIE BEAM</b> )					
Bridge Rail Posts			9	9	
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			9	9	
(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			9	9	
Last Complete Inspection Date		27-Nov-2012			
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : <b>11</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>9</b>	<b>9</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>2:2</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				9	9	
(Type : <b>CONCRETE</b> )						
(Depth(mm) : )						
(Width(mm) : <b>600</b> )						
Backwalls/Breastwalls				9	9	
Greatest Height (m)		1.60				
Wingwalls				7	7	
(Total Number of Bearing Piles : <b>0:0</b> )						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	100	0	0	0		
<b>Now</b>	100	0	0	0		
Piles				N	N	Buried.
Paint/Coating				9	9	
Abutment Stability				9	9	
Scour/Erosion				9	9	
<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		9	N	Ice
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>9</b>	<b>9</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				Channel bends 90 deg. approx. 20m u/s.
(D/S Direction : <b>E</b> )				
Alignment		7	6	
Bank Stability		5	N	(Slumping vert. banks u/s & d/s are well grassed & relatively stable. 17Jul2012) - Snow covered.
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		7	7	Several areas with exposed geotextile below rock on N & S hslps. (Type : <b>RIP RAP; RIP RAP</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>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	2013	Set HMs to std.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>100.0/100.0</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>67.8/78.2</b>	Est. Repl. Yr	2087	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor approach bump.		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	Shane Hall		Previous Assistant's Name				
Next Inspection Date	27-Aug-2014		Previous Inspection Date	17-Jul-2012			
Inspection Cycle (Default) (months)	21						
Comment							