

Bridge Inspection									
Bridge File Number	71419 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1982/1994				Lot No.	4			
Bridge or Town Name	HIGH PRAIRIE				Inspector Name	Brian Pientsch			
Located Over	TRIBUTARY TO IROQUOIS CREEK, 8.11.80.54.7.1.3, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	2:52 C1 33.967				Assistant Name	Clem Guenette			
Water Body Cl./Year					Assistant Class	BR CLS B			
Navigabil. Cl./Year					Inspection Date	12-Dec-2012			
Legal Land Location	SW SEC 25 TWP 74 RGE 18 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-116:37:54, 55:25:58				Data Entry Date	24-Jan-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA06				Review Date	09-Jan-2013			
Clear Roadway/Skew	21.1 /				Dept. Reviewer Name	David Morrison			
AADT/Year	2,350 / 2011 (A)				Dept. Review Date	19-Mar-2013			
Road Classification	RAU-213.4-120				Follow-Up By				
Detour Length (km)	13								
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	Not required. Hazard marker located at NE corner of approach rail.								
Other Sign Types									

Utilities (Located at)									
Utility Attachments									
Telephone	South r/w				Gas				
Power	Crosses hwy, 100 m east				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			<b>Last</b>	<b>Now</b>	<b>Explanation of Condition</b>				
Horizontal Alignment			7	7	NB turning lane on bridge.				
Vertical Alignment			9	9	NO PASSING Farm entrances to east of bridge.-80m Road intersection to West.-80m				
Roadway Width (m)	13.500								
Approach Bump			7	7					
Guardrail (Y/N)	Yes								
Guardrail			6	6	NW corner insufficient length & posts.-25-Jan-2011				
Length (m)	19.000				Snow covered.				
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN END								
Drainage			N	N	Hole (400 x 400) @ NE wingwall (photo).-01-May-2009 Snow covered				
<b>Approach Road General Rating</b>			<b>7</b>	<b>7</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>SC, 1 Spans, Lengths(m): 8.5, 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 (%)	
<b>Last</b>					
<b>Now</b>	25.0				
Wearing Surface			7	6	Longitudinal & transverse cracks in each lane - sealed.
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)		Yes			
Deck Top			N	N	
Deck Rideability			8	7	
Deck Joints			N	N	
Bump (Y/N)		No			
Deck Drainage			6	6	Clogged with snow No drains.
Drains Clogged (Y/N)					
Curbs/Median			5	N	Vertical narrow cracking along upper outside faces.-25-Jan-2011 Snow covered.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		3			
Bridge Rail			6	6	
(Type : <b>BRIDGE TUBE;GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts			7	7	
(Type : <b>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>					
Girders			5	5	G4 near E end chip 160x30x120 possibly caused during construction.-Not visible  Curb girders longitudinal hairline cracking across outside faces.  G1 hairline long. crack u/s.
Last Complete Inspection Date		12-Dec-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		1			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : <b>16</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)							
(Extended Backwall Piles Spacing(mm) : 1350)							
(Total Number of Caps/Corbels : 6:5)							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)		Shimmed with 76 x 305 mm TT. Subcaps 305 x 305. No backwall clamps under new subcaps.	
<b>Last</b>							
<b>Now</b>							
Bearing Seats/Caps/Corbels				6	6		
(Type : TREATED TIMBER)							
(Depth(mm) : 300)							
(Width(mm) : 350)							
Backwalls/Breastwalls				4	4		
Greatest Height (m)		2.10					
Wingwalls				4	4		
(Total Number of Bearing Piles : 18:18)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
<b>Last</b>							
<b>Now</b>							
Piles				6	6		
Paint/Coating				X	X		
Abutment Stability				6	6		
Scour/Erosion				4	4		
Minor loss of fill material under backwall sheeting.							
<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		

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Paint/Coating		X	X	
(Colour Description : )				
(Colour Code : )				
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
<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>S</b> )				
(D/S Direction : <b>N</b> )				
Alignment		7	7	
Bank Stability		5	5	
HWM (m below Top of Curb)				Hwm not visible.
Drift (Y/N)	No			
Slope Protection		6	N	Snow covered
(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>	GR carried fwd from 25-Jan-2011

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							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>50.0/61.1</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>57.8/61.1</b>	Est. Repl. Yr	2039	Maint. Req. (Y/N)	No
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	Brian Pientsch		Previous Assistant's Name	Lisbeth Medina			
Next Inspection Date	12-Sep-2014		Previous Inspection Date	25-Jan-2011			
Inspection Cycle (Default) (months)	21						
Comment							