

Bridge Inspection									
Bridge File Number	71029 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1983/1983				Lot No.	4			
Bridge or Town Name	HIGH PRAIRIE				Inspector Name	Brian Pientsch			
Located Over	IROQUOIS CREEK, 8.11.80.54.7.1, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	2:52 C1 31.765				Assistant Name	Clem Guenette			
Water Body Cl./Year					Assistant Class	BR CLS B			
Navigabil. Cl./Year					Inspection Date	12-Dec-2012			
Legal Land Location	SE SEC 30 TWP 74 RGE 17 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-116:35:49, 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	13.7 /				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)	5								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49					
Design Loading:	MS23						----> 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)	No								
Remarks	Not required.								
Other Sign Types									

Utilities (Located at)									
Utility Attachments									
Telephone	South r/w				Gas				
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7					
Vertical Alignment			9	9					
Roadway Width (m)	13.400				Deflection/scraping in 3 sections of flexbeam SE approach. Insufficient posts & spacing at bridge.-25-Jan-2011 Snow covered.				
Approach Bump			7	7					
Guardrail (Y/N)	Yes								
Guardrail			5	N					
Length (m)	30.400								
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN								
Drainage			5	5					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SM, 3 Spans, Lengths(m): 8-10-8, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	20	0	0	0	
Now	20.0				
Wearing Surface			5	5	(Asphalt does not extend to curb faces to full depth. May 1, 2009)Longitudinal cracking in ACP 1.2m apart at girder connections.
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	
Bump (Y/N)		No			
Deck Drainage			4	4	Water leaks at curb & adjacent units. Clogged with snow. No drains
Drains Clogged (Y/N)		No			
Curbs/Median			N	N	(Spall span 1, G12 @ west end (300 x 200). Rebar exposed staining. May 1, 2009) Snow covered.
(Curb Type : Standard)					
Scaling (Percent Area)		5			
Bridge Rail			6	6	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			7	7	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			6	6	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	1	
Now					
Girders			3	5	G6, S2 - scaling @ West pier. Hairline cracks along curb fascia running longitudinally mid-height. Staining @ connector pockets. Span 1 G1, S1,G3, G4, G5, G7, G9, G 10, G11 - Longitudinal hairline cracking on girder undersides. S2-G6 patch 600 X 400. S3 G, 1,2,3,4,5,8,9,10,11,12 long hairline crack.
Last Complete Inspection Date		12-Dec-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : 36)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			3	5	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : N)						
(Extended Backwall Piles Spacing(mm) :)						
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now						
Bearing Seats/Caps/Corbels				6	6	
(Type : CONCRETE)						
(Depth(mm) : 800)						
(Width(mm) : 600)						
Backwalls/Breastwalls				N	X	
Greatest Height (m)		1.40				
Wingwalls				N	N	
(Total Number of Bearing Piles : 8:8)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	16	0	0	0		
Now	16					
Piles				N	N	
Paint/Coating				4	4	
Scaling rust on pile @ East abut.						
Abutment Stability				7	7	
Headslope repaired, 1.5m long undermining @ center of abut 2 cap.						
Scour/Erosion				6	6	
Piers/Bents						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now						
Bearing Seats/Caps/Corbels				5	5	
(Type : CONCRETE)						
(Depth(mm) : 800)						
(Width(mm) : 600)						
(Total Number of Bearing Piles : 8:8)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now						
Pier Shaft/Piles				7	7	
Greatest Height (m)		3.80				
Bracing/Struts/Sheathing				7	7	
Nose Plate				X	X	
Paint/Coating				4	4	
Spot rusting on 40% of piles & bracing.						
(Colour Description : GREEN)						
(Colour Code : 14090)						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		7	7	
Scour		7	7	
Debris (Y/N)	No			
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)	2.0			(HWM 1993/02/03)
Drift (Y/N)	No			
Slope Protection		6	6	
(Type : RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		6	6	

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							
Structural Condition Rating (Last/Now) (%)	44.4/55.6	Sufficiency Rating (Last/Now) (%)	55.2/59.8	Est. Repl. Yr	2035	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							