

Bridge Inspection							
Bridge File Number	13821 -1 Bridge			Form Type	PSR		
Year Built/Year Supstr	1972/1972			Lot No.	4		
Bridge or Town Name	HIGH PRAIRIE			Inspector Name	Brian Pientsch		
Located Over	WEST PRAIRIE RIVER, 8.11.80.54.7, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	2:52 C1 25.541			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	03-Dec-2012		
Legal Land Location	SE SEC 26 TWP 74 RGE 17 W5M			Data Entry By	Theresa Lacusta		
Longitude, Latitude	-116:30:01, 55:25:58			Data Entry Date	08-Jan-2013		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Eric Carcoux		
Contract Main. Area	CMA06			Review Date	08-Jan-2013		
Clear Roadway/Skew	13.5 / 10 deg. (RHF)			Dept. Reviewer Name	David Morrison		
AADT/Year	6,320 / 2011 (A)			Dept. Review Date	19-Mar-2013		
Road Classification	RAU-213.4-120			Follow-Up By			
Detour Length (km)	75						
Allowable Load (t):	Single		Semi		Train		----> 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)	No						
Remarks							
Other Sign Types	not required.						

Utilities (Located at)			
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE		
Telephone	South curb	Gas	
Power		Municipal	
Others	Street lights N&S Bdy of road.	Problem (Y/N)	
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	In town (has intersection) affecting horizontal alignment.
Vertical Alignment		9	9	
Roadway Width (m)	15.700			10mm crack 4m from E abutment.-08-Feb-2011
Approach Bump		7	7	
Guardrail (Y/N)	No			Snow covered.
Guardrail		X	X	
Length (m)				
Current Standard (Y/N)	No			
Termination Type	None			
Drainage		7	7	
Approach Road General Rating		7	7	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PM, 3 Spans, Lengths(m): 16.8-16.8-16.8, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Partly snow covered.
Last	35	0	0	0	
Now	35.0	0.0	0.0	0.0	
Wearing Surface			4	N	Minor spalls near 1 pier joint-approx 200m dia. and SE corner near abut 2.-08-Feb-2011
(Material Type : CONCRETE)					
(Thickness(mm) : 50)					Snow covered.
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			6	6	
Temperature (deg. C)		-12			
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type : THERMOPLASTIC POLYMER)					
Gap Size (mm)		Gap Location			
85		E. ABUT			
80		W. ABUT			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			7	N	Snow covered
(Curb Type : Standard)					
Scaling (Percent Area)		5			
Bridge Rail			5	N	(GROUT PADS DETERIORATED Missing handrail anchor nut @ NE-bolt too close to post - not able to install.-08-Feb-2011) Snow covered. 4 posts with insufficient thread.-08-Feb-2011
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			4	N	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			5	N	
(Type : GALVANIZED)					
Sidewalk			5	N	snow covered
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders			4	4	Spall S2-G16@ NW of center. Total 3/57 have rust spots. S1G3, S2G12 near center, S2G15 at pier 2. Spall on S3G8 near center.
Cracking (Y/N)		No			
Spalling (Percent Area)		1			
(Number Of Girders : 57)					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : PM, 3 Spans, Lengths(m): 16.8-16.8-16.8, A-Ident Number:)				
Diaphragms/Cross Frame		X	X	
Bearings		7	7	
Temperature (deg. C)	-12			
(Expansion Type : NEOPRENE STRIP BEARING)				
(Fixed Type : NEOPRENE STRIP BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		5	5	
Stains (Percent Area)	2			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		4	4	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		4	4	Abut 2 has 3 rebar exposed NE.
(Type : CONCRETE)				
Backwalls/Breastwalls		X	X	
Wingwalls		7	N	Snow covered.
Piles		N	N	
Paint/Coating		X	X	
Abutment Stability		7	7	
Scour/Erosion		4	4	Scour SW headslope near pier 1 4mL X 0.3m W X 0.1m D.
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		4	4	Delam. cracks in W. pier, S. end, both sides.
(Type : CONCRETE)				
rust staining on both pier cap.				
(Total Number of Bearing Piles : 8:8)				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		7	7	
Nose Plate		7	7	
Paint/Coating		4	4	Superficial rust on piles.
(Colour Description : BROWN)				
(Colour Code : 504-104)				
Pier Stability		7	7	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		7	7	
Debris (Y/N)	No			
Substructure General Rating		4	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		7	7	
Bank Stability		6	6	
HWM (m below Top of Curb)	4.0			(Hwm is top of nosing welded onto u/s piles. 2000/03/24)
Drift (Y/N)	Yes			
Slope Protection		7	7	
(Type : RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		6	7	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	44.4/44.4	Sufficiency Rating (Last/Now) (%)	49.9/51.4	Est. Repl. Yr	2035	Maint. Req. (Y/N)	No
Special Comments for Next Inspection	Monitor corrosion at pier 1. Monitor girder condition.		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				
Next Inspection Date	03-Sep-2014		Previous Inspection Date	08-Feb-2011			
Inspection Cycle (Default) (months)	21						
Comment							