

Bridge Inspection											
Bridge File Number	73781 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1957/1995				Lot No.	1					
Bridge or Town Name	HIGH PRAIRIE				Inspector Name	Brian Pientsch					
Located Over	NOON CREEK, 8.10.58.7.11.3, WATERCRS-ST				Inspector Class	BR CLS A					
Located On	2A:54 C1 1.896				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 18 W5M				Data Entry By	Theresa Lacusta					
Longitude, Latitude	-116:44:58, 55:25:58				Data Entry Date	23-Jan-2013					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux					
Contract Main. Area	CMA06				Review Date	09-Jan-2013					
Clear Roadway/Skew	11.8 /				Dept. Reviewer Name	David Morrison					
AADT/Year	1,230 / 2011 (A)				Dept. Review Date	18-Mar-2013					
Road Classification	RAU-210-110				Follow-Up By						
Detour Length (km)	30										
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	Attached to 1st/last bridge posts. SW & NW Hazard Marker missing								
Other Sign Types	Rge Rd 185 SE corner								

Utilities (Located at)									
Utility Attachments									
Telephone	North r/w				Gas				
Power	1 line crosses road 80m W.				Municipal				
Others					Problem (Y/N)	No			
Remarks	Rge rd 185 SE corner.								

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Farm entrance 60m W., intersection 200m E. In long sag curve.				
Vertical Alignment			7	7					
Roadway Width (m)	11.000								
Approach Bump			6	6	Attachments to bridgerail loose on N. side.-photo-17-Dec-2009 Snow covered Minor collision damage on NE section.25-Jan-2011				
Guardrail (Y/N)	Yes		N	N					
Guardrail									
Length (m)	30.400								
Current Standard (Y/N)	No								
Termination Type	TURNED-DOWN ENDS								
Drainage			7	7					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SC, 1 Spans, Lengths(m): 6.1, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	10	0	0	0	
Now	30.0				
Wearing Surface			5	5	
(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			8	5	Clogged with snow No drains on deck.
Drains Clogged (Y/N)		No			
Curbs/Median			N	N	Snow covered.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			7	7	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			7	7	
(Type : GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders			7	7	Hairline map cracking on outside curb faces. Level 2 girder inspection done Dec 17, 2009.
Last Complete Inspection Date		12-Dec-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 11)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : SC, 1 Spans, Lengths(m): 6.1, A-Ident Number:)						
Superstructure General Rating		7	7			
Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 2000)						
(Total Number of Caps/Corbels : 5:5)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)	Cored Dec 2009 All caps ans subcaps rate 7 except subcap 1 in A2 which 15 beginning to rot. Hammer sounds confirmed BR in sub cap. Subcaps are 350x300	
Last						
Now						
Bearing Seats/Caps/Corbels		4	4			
(Type : TREATED TIMBER)						
(Depth(mm) : 350)						
(Width(mm) : 350)						
Backwalls/Breastwalls		6	N	Ice is 300mm from top of piles.		
Greatest Height (m)		2.90				
Wingwalls		6	6			
(Total Number of Bearing Piles : 10:10)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)	Cored in 2009. Abut. 1-P5 has wide split with banding and rot with 75mm void.-photo-25-Jan-2011 P3 has rot with 20mm void.-abutment 1.-17-Dec-2009 P1,6,8,9,10 have beginning rot.-abutment 1 Hammer sound confirmed BR in piles. P7 has wide split with banding.-abut 1. Abut 2-P5,8 have beginning rot. P3 not accessible to drift blockage.-17-Dec-2009	
Last	0	0	0	1		
Now				1		
Piles		3	3			
Paint/Coating		X	X			
Abutment Stability		7	7			
Scour/Erosion		N	N	Ice covererd-No problem visible.		
Piers/Bents						
(Type :)						
(Total Number of Caps/Corbels :)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
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)		
Last						
Now						
Pier Shaft/Piles		X	X			
Greatest Height (m)						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Bracing/Struts/Sheathing		5	4	Reinstall missing strut @ pile 3.
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		3	3	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		5	5	US channel cl 1m is offset 5m E. of bridge cl. Misalignment causes flow to hit SE embankment which is protected by riprap.-17-Dec-2009
Bank Stability		7	7	
HWM (m below Top of Curb)				Hwm not visible.
Drift (Y/N)	Yes			Not visible due to ive.
Slope Protection		N	N	Riprap at SE corner. Not visible elsewhere. -12-Dec-2009
(Type : RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		5	5	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		5	5	

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	2013	Reinstall strut @ pile 3.					
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 missing Hazard Markers @ SW & NW corners.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	55.6/55.6	Sufficiency Rating (Last/Now) (%)	57.6/57.5	Est. Repl. Yr	2015	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Assessment completed in 2010. Rebuild the substructure and reuse existing girders.		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							