

Bridge Inspection									
Bridge File Number	07653 -2 Bridge				Form Type	SG			
Year Built/Year Supstr	2004/2004				Lot No.	4			
Bridge or Town Name	HIGH PRAIRIE				Inspector Name	Brian Pientsch			
Located Over	SOUTH HEART RIVER, 8.11.80.54, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	679:04 C1 11.407				Assistant Name	Russel Vanderschaaf			
Water Body Cl./Year					Assistant Class	BR CLS B			
Navigabil. Cl./Year					Inspection Date	30-Nov-2010			
Legal Land Location	SE SEC 24 TWP 76 RGE 18 W5M				Data Entry By	Janie Assenheimer			
Longitude, Latitude	-116:38:46, 55:35:58				Data Entry Date	21-Jan-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer			
Contract Main. Area	CMA06				Review Date	22-Dec-2010			
Clear Roadway/Skew	10.6 / -20 deg. (LHF)				Dept. Reviewer Name	David Morrison			
AADT/Year	270 / 2009 (A)				Dept. Review Date	31-Mar-2011			
Road Classification	RCU-210-110				Follow-Up By				
Detour Length (km)	45								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	CL800						----> Primary Span		

Posting Information									
Required Load Posting (t)	Single				Semi		Truck Train		
Posted Loading (t)	Single				Semi		Truck Train		
Posted:	Lane	WB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	EB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Remarks									
Hazard Marker At Bridge (Y/N)	No								
Remarks									
Other Sign Types									

Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power	40m S r/w. 2 wire O/H.				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			5	5	Curve to east. In bottom of sag curve with limited sight distance.				
Vertical Alignment			5	5					
Roadway Width (m)	9.500								
Approach Bump			7	6					
Guardrail (Y/N)	Yes								
Guardrail			7	7					
Length (m)	125.800								
Current Standard (Y/N)	Yes								
Termination Type	Turn down.								

Approach Road					
		Last	Now	Explanation of Condition	
Drainage		4	4	(Gullies forming on embankment @ SW. Single and double gabion drop structures installed at NW, SW & NE ditches. Rip rap and erosion matting installed in SE ditch 26-Aug-2009)	
Approach Road General Rating		5	5		
Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : WG, 1 Spans, Lengths(m): 44, A-Ident Number: A1551-01)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Partly snow covered.
Last					
Now	50.0	0.0	0.0	0.0	
Wearing Surface		5	5	Numerous cracks following skew angle. and transversely at various spacing sealed.	
(Material Type :)					
(Thickness(mm) :)					
Deck Top		N	N	235mm thick combined deck top/wearing surface.	
Deck Rideability		8	8		
Deck Joints		9	9	Modified asphalt joint/beram.	
Temperature (deg. C)		-2			
(Expansion Type :)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
40		E ABUT			
30		W ABUT			
Deck Drainage		9	9		
Drains Clogged (Y/N)		No			
Curbs/Median		9	9		
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail		8	8		
(Type : GALVANIZED STEEL TUBE BEAM TYPE 2)					
Bridge Rail Posts		8	8		
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating		8	8		
(Type : GALVANIZED)					
Sidewalk		X	X		

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : WG, 1 Spans, Lengths(m): 44, A-Ident Number: A1551-01)					
Girder/Beam					
Cover Plate		X	X		
Flange		8	8		
Web		8	8		
Stiffeners		8	8		
Splice		X	X		
Weld		8	8		
Diaphragms/Cross Frame		8	8		
Paint Condition		7	7		
(Colour Description :)					
(Colour Code :)					
Touchup Required (Y/N)	No				
Bearings		X	X	Cast into intergral abutments	
Temperature (deg. C)	-2				
(Expansion Type : REINFORCED PAD BEARING)					
(Fixed Type : REINFORCED PAD BEARING)					
Coating Adequate (Y/N)	Yes				
Functioning (Y/N)	Yes				
Deck Underside		6	6	transverse cracks at various spacing, some following skew angle. with efflorecence staining.	
Stains (Percent Area)	1				
Span Alignment Problems					
Vertical (Y/N)	No				
Horizontal (Y/N)	No				
Superstructure General Rating		6	6		
Substructure					
Bridge Component		Last	Now	Explanation of Condition	
Abutments					
Bearing Seats/Caps		X	X		
(Type : CONCRETE)					
Backwalls/Breastwalls		8	7	W Narrow cracks extending between girders.	
Wingwalls		8	8		
Piles		N	N		
Paint/Coating		X	X		
Abutment Stability		7	7		
Scour/Erosion		7	7		
Piers/Bents					
(Type :)					
Bearing Seats/Caps		X	X		
(Type :)					
(Total Number of Bearing Piles :)					
Pier Shaft/Piles		X	X		
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			
Substructure General Rating		7	7	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				
(D/S Direction : S)				
Alignment		6	6	
Bank Stability		4	4	Cut bank away from headslope armouring.
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		8	8	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : Woody Plantings)				
(Fish Compensation Measure 2 : None)				
Channel General Rating		4	4	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
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) (%)	72.2/72.2	Sufficiency Rating (Last/Now) (%)	67.6/67.9	Est. Repl. Yr	2080	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	Eric Carcoux		Previous Assistant's Name				
Next Inspection Date	28-Feb-2014		Previous Inspection Date	26-Aug-2007			
Inspection Cycle (Default) (months)	39						
Comment							