

Bridge Inspection											
Bridge File Number	73836 W-2 Bridge				Form Type	SG					
Year Built/Year Supstr	2007/2007				Lot No.	4					
Bridge or Town Name					Inspector Name	Brian Pientsch					
Located Over	LITTLE SMOKY RIVER, 8.10.58.7, WATERCRS-ST				Inspector Class	BR CLS A					
Located On	43:08 L1 38.778				Assistant Name	Russel Vanderschaaf					
Water Body Cl./Year					Assistant Class	BR CLS B					
Navigabil. Cl./Year					Inspection Date	28-Nov-2012					
Legal Land Location	SE SEC 25 TWP 66 RGE 22 W5M				Data Entry By	Theresa Lacusta					
Longitude, Latitude	-117:10:51, 54:44:26				Data Entry Date	06-Jan-2013					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux					
Contract Main. Area	CMA03				Review Date	19-Dec-2012					
Clear Roadway/Skew	12.4 / 30 deg. (RHF)				Dept. Reviewer Name	David Morrison					
AADT/Year	5,650 / 2011 (A)				Dept. Review Date	21-Mar-2013					
Road Classification	RFD-412.4-130				Follow-Up By						
Detour Length (km)	1										
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	NB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	SB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Remarks	Bridge to service NB traffic only								
Hazard Marker At Bridge (Y/N)	No								
Remarks									
Other Sign Types	Bump Ahead, Caution Icy Surface.								

Utilities (Located at)										
Utility Attachments										
Telephone	N r/w				Gas					
Power	7 wire OH N r/w + 4 wire o/h cross road 50m West.				Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7					
Vertical Alignment			7	7					
Roadway Width (m)	12.300				75mm wide crack at E & W approach.				
Approach Bump			4	4					
Guardrail (Y/N)	Yes				Rail on W side 150mm too low due to settling.-06-May-2009 Snow covered.				
Guardrail			N	N					
Length (m)	46.000								
Current Standard (Y/N)	Yes								
Termination Type	TURN DOWN								
Drainage			7	7					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : WG, 3 Spans, Lengths(m): 28.23-33-28.23, A-Ident Number: A1622-01)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Partly snow covered.
Last	20	0	0	0	
Now	30.0				
Wearing Surface			8	8	ACP on waterproofing membrane.
(Material Type : MIX TYPE 1 ACP)					
(Thickness(mm) : 90)					
Deck Top			N	N	
Deck Rideability			9	9	
Deck Joints			N	N	Paved over.
Temperature (deg. C)		-15			
(Expansion Type : ASPHALTIC FIBRE BOARD)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			5	N	Medium transverse cracks on outside face every 0.5m. Snow covered.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			9	9	(Insufficient threads @ NE).-06-May-2009 Snow covered.
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			N	N	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			9	9	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder/Beam					
Cover Plate			X	X	ends painted.
Flange			9	9	
Web			9	9	
Stiffeners			9	9	
Splice			9	9	
Weld			9	9	
Diaphragms/Cross Frame			9	9	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : WG, 3 Spans, Lengths(m): 28.23-33-28.23, A-Ident Number: A1622-01)				
Paint Condition		9	9	pigmented sealer grey
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings		9	9	
Temperature (deg. C)	-15			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type : PINNED BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	Narrow transverse cracking with efflorescence.
Stains (Percent Area)	1			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		7	7	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		9	9	
(Type : CONCRETE)				
Backwalls/Breastwalls		9	9	
Wingwalls		9	9	
Piles		N	N	
Paint/Coating		9	9	Grey pigment sealer
Abutment Stability		9	9	
Scour/Erosion		9	9	
Piers/Bents				
(Type : PIER-COLUMN)				Span 2 viewed from banks due to ice.
Bearing Seats/Caps		9	9	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 5:5)				
Pier Shaft/Piles		9	9	
Bracing/Struts/Sheathing		9	9	
Nose Plate		X	X	
Paint/Coating		9	9	
(Colour Description :)				
(Colour Code :)				
Pier Stability		9	9	
Scour		9	9	
Debris (Y/N)	No			

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		9	9	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		8	8	
Bank Stability		8	8	
HWM (m below Top of Curb)				HWM not visible
Drift (Y/N)	No			
Slope Protection		8	8	
(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		8	8	

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) (%)	88.9/88.9	Sufficiency Rating (Last/Now) (%)	79.0/78.8	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	Brian Pientsch		Previous Assistant's Name	Russel Vanderschaaf			
Next Inspection Date	28-Aug-2014		Previous Inspection Date	07-Mar-2011			
Inspection Cycle (Default) (months)	21						
Comment							