

Bridge Inspection											
Bridge File Number	73837 E-2 Bridge				Form Type	SG					
Year Built/Year Supstr	2007/2007				Lot No.	2					
Bridge or Town Name					Inspector Name	Brian Pientsch					
Located Over	WASKAHIGAN RIVER, 8.10.58.7.31, WATERCRS-ST				Inspector Class	BR CLS A					
Located On	43:08 R1 36.812				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 35 TWP 66 RGE 22 W5M				Data Entry By	Theresa Lacusta					
Longitude, Latitude	-117:12:13, 54:45:08				Data Entry Date	02-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 / 20 deg. (RHF)				Dept. Reviewer Name	David Morrison					
AADT/Year	5,650 / 2011 (A)				Dept. Review Date	18-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	SB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	NB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Remarks	Bridge to service SB traffic only. Posting not required.								

Hazard Marker At Bridge (Y/N)	No								
Remarks	Not required								
Other Sign Types	Waskehigan River, Bridge Ices								

Utilities (Located at)										
Utility Attachments										
Telephone	E r/w				Gas					
Power	3 wrie OH E r/w				Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Curve to south, crest to north.				
Vertical Alignment			7	7					
Roadway Width (m)		12.000				Pot hole 0.15m dia E approach.			
Approach Bump			5	4					
Guardrail (Y/N)		Yes				SE terminal end and 1 post damaged. -06-May-2009			
Guardrail			N	N	Snow covered.				
Length (m)		53.000							
Current Standard (Y/N)		Yes							
Termination Type		TURN DOWN							
Drainage			N	N	Erosion scar in S. median ditch (15mx0.3x0.5) -06-May-2009 SNOW covered.				
Approach Road General Rating			7	7					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : WG, 3 Spans, Lengths(m): 23.171-30-23.171, 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	15	0	0	0		
Now	30.0			1.0		
Wearing Surface				7	3	ACP on waterproofing membrane. 20mm wide crack in ACP at end of approach slabs. Longitudinal & transverse cracks. photo 100m pot hole x 50m D.
(Material Type : MIX TYPE 2 ACP)						
(Thickness(mm) : 80)						
Deck Top				N	N	Cracks over girders/piers/diaphragms.
Deck Rideability				7	7	
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				6	6	Narrow vertical cracks on outside fascia of curb at 2m spacing.
(Curb Type : Standard)						
Scaling (Percent Area)		0				
Bridge Rail				9	9	
(Type : GALVANIZED STEEL BRIDGE TUBE)						
Bridge Rail Posts				9	9	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating				9	9	
(Type : GALVANIZED)						
Sidewalk				X	X	
Girder/Beam						
Cover Plate				9	9	
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): 23.171-30-23.171, A-Ident Number:)				
Paint Condition		9	9	Weathering steel with exception that girder ends have been painted.
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings		9	9	
Temperature (deg. C)	-15			
(Expansion Type : REINFORCED PAD BEARING)				
(Fixed Type : REINFORCED PAD BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		6	6	Efflorescence at narrow transverse cracks.
Stains (Percent Area)	2			
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		9	9	
(Type : CONCRETE)				
Backwalls/Breastwalls		9	9	
Wingwalls		N	N	Snow covered
Piles		N	N	
Paint/Coating		9	9	
Abutment Stability		9	9	
Scour/Erosion		9	9	
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		9	9	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 5:0)				
Pier Shaft/Piles		9	9	Bracing P2 only.
Bracing/Struts/Sheathing		9	9	
Nose Plate		X	X	
Paint/Coating		9	9	Pigment sealer grey
(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		6	6	
Bank Stability		6	6	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		9	9	
(Type :)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	4	
(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							
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK	2013	Seal cracks- carried over 07-Mar-2011					
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	2013	Install rock ditch drain S median ditch, carried over 06-May-2009					
OTHER ACTION	2013	Repair broken guardrail post and terminal end, carried over 06-May-2009					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	83.3/83.3	Sufficiency Rating (Last/Now) (%)	73.5/73.3	Est. Repl. Yr	2080	Maint. Req. (Y/N)	Yes
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							