

Bridge Inspection										
Bridge File Number	70613 -1 Bridge				Form Type	PCS				
Year Built/Year Supstr	1981/1981				Lot No.	2				
Bridge or Town Name	NOTIKEWIN				Inspector Name	Russel Vanderschaaf				
Located Over	STOWE CREEK, 8.10.41.8, WATERCRS-ST				Inspector Class	BR CLS B				
Located On	35:08 C1 5.079				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	16-Nov-2011				
Legal Land Location	NW SEC 10 TWP 92 RGE 23 W5M				Data Entry By	Lisa Fairhurst				
Longitude, Latitude	-117:37:29, 56:58:06				Data Entry Date	16-Dec-2011				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux				
Contract Main. Area	CMA04				Review Date	12-Dec-2011				
Clear Roadway/Skew	12.5 /				Dept. Reviewer Name	Steve Pasquan				
AADT/Year	1,700 / 2010 (A)				Dept. Review Date	10-Jan-2012				
Road Classification	RAU-210-110				Follow-Up By					
Detour Length (km)	5									
Allowable Load (t):	Single	CS1 28		Semi	CS2 49		Train	CS3 62		---> On Critical Spans --->Critical Member
Design Loading:	MS230				---> 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									
Hazard Marker At Bridge (Y/N)		Yes							
Remarks		NE, NW and SE are broken off							
Other Sign Types									

Utilities (Located at)									
Utility Attachments									
Telephone	E&W R/W				Gas				
Power	100 m east - 7 wire				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road					
		Last	Now	Explanation of Condition	
Horizontal Alignment		7	7	Curve start on north end of structure.	
Vertical Alignment		7	8	Approach 80 m north and 40 m south.	
Roadway Width (m)		9.700			
Approach Bump		7	6		
Guardrail (Y/N)		Yes		LENGTH REQUIREMENTS FOR PRIMARY HWY NOT MET. POOR CONNECTION TO BRIDGE RAIL @ SW CORNER. NOT CORRECT HEIGHT	
Guardrail		6	5		
Length (m)		11.400			
Current Standard (Y/N)		No			
Termination Type		Turned down			
Drainage		6	5		
<b>Approach Road General Rating</b>		<b>7</b>	<b>7</b>		

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>SM, 1 Spans, Lengths(m): 11, A-Ident Number: </b> )					
<b>Special Features</b>					
Special Feature			X		
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Partly snow/ice/gravel covered
<b>Last</b>					
<b>Now</b>	15.0	0.0	0.0	0.0	
Wearing Surface				5	5
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>100</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top				N	N
Deck Rideability				7	6
Deck Joints				N	N
Bump (Y/N)		Yes			Paved over-cracking in ACP at both abuts.
Deck Drainage				6	6
Drains Clogged (Y/N)					No drains.
Curbs/Median				5	N
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		1			2 spalls East curb & cracking near posts.200mm X 200mm, 200X200mm-May 15, 2008 Snow covered
Spalls seem to be repaired.(16 Feb 2010)					
Patch on fascial of East and West curb. (16 feb 2010)					
Bridge Rail				5	6
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts				3	3
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating				5	6
(Type : <b>GALVANIZED</b> )					
Sidewalk				X	X
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	1	
<b>Now</b>	0	0	0	1	
Girders				3	3
Last Complete Inspection Date					S1G5-Diag. crack W/rust staining at N. approx 100mm long. Rust staining from ~80% of connector pockets.
Cracking (Y/N)		Yes			Girders 3,4,5,8,9 & 10 hairline cracking
Spalling (Percent Area)		1			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : <b>11</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>				<b>3</b>	<b>3</b>

Substructure						
Bridge Component				Last	Now	Explanation of Condition
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : <b>Y</b> )						
(Extended Backwall Piles Spacing(mm) : <b>1000</b> )						
(Total Number of Caps/Corbels : <b>3:3</b> )						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>	0	0	0	0		
Bearing Seats/Caps/Corbels				5	4	
(Type : <b>TREATED TIMBER</b> )						
(Depth(mm) : <b>365</b> )						
(Width(mm) : <b>300</b> )						
Backwalls/Breastwalls				5	5	
Greatest Height (m)		2.60				
Wingwalls				4	4	
(Total Number of Bearing Piles : <b>12:12</b> )						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>	0	0	0	0		
Piles				5	5	
Paint/Coating				X	X	
Abutment Stability				N	4	
Scour/Erosion				N	5	
<b>Piers/Bents</b>						
(Type : )						
(Total Number of Caps/Corbels : )						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Bearing Seats/Caps/Corbels				X	X	
(Type : )						
(Depth(mm) : )						
(Width(mm) : )						

Substructure						
Bridge Component				Last	Now	Explanation of Condition
(Total Number of Bearing Piles : )						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Pier Shaft/Piles				X	X	
Greatest Height (m)						
Bracing/Struts/Sheathing				X	X	
Nose Plate				X	X	
Paint/Coating				X	X	
(Colour Description : )						
(Colour Code : )						
Pier Stability				X	X	
Scour				X	X	
Debris (Y/N)		No				
<b>Substructure General Rating</b>				<b>4</b>	<b>4</b>	
Structure Usage						
				Last	Now	Explanation of Condition
<b>Channel</b>						
(U/S Direction : <b>W</b> )						
(D/S Direction : <b>E</b> )						
Alignment				7	7	
Bank Stability				7	8	
HWM (m below Top of Curb)						HWM NOT VISIBLE
Drift (Y/N)		No				
Slope Protection				N	5	
(Type : <b>RIP RAP</b> )						
Guidebank/Spurs				X	X	
Adequacy of Opening				8	8	
(Fish Compensation Measure 1 : <b>NONE</b> )						
(Fish Compensation Measure 2 : <b>NONE</b> )						
<b>Channel General Rating</b>				<b>4</b>	<b>7</b>	

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							
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	2012	Tighten rail post bolts					
OTHER ACTION	2012	Repair hazard markers					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>38.9/38.9</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>53.1/55.5</b>	Est. Repl. Yr	2025	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor girders Monitor bridgerail and north cap Monitor scour at NW corner - May 15 2008		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	16-Aug-2013		Previous Inspection Date	16-Feb-2010			
Inspection Cycle (Default) (months)	21						
Comment							