

Bridge Inspection									
Bridge File Number	71814 -1 Bridge				Form Type	TT			
Year Built/Year Supstr	1958/1958				Lot No.	1			
Bridge or Town Name	NOTIKEWIN				Inspector Name	Russel Vanderschaaf			
Located Over	TRIBUTARY TO STOWE CREEK, 8.10.41.8.1, WATERCRS-ST				Inspector Class	BR CLS B			
Located On	35:08 C1 4.092				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	08-Dec-2011			
Legal Land Location	SW SEC 10 TWP 92 RGE 23 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-117:37:29, 56:57:34				Data Entry Date	14-Dec-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA04				Review Date	13-Dec-2011			
Clear Roadway/Skew	10.2 /				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)	3								
Allowable Load (t):	Single		Semi		Train				----> On Critical Spans ---->Critical Member
Design Loading:								----> 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	Not required								
Hazard Marker At Bridge (Y/N)	No								
Remarks									
Other Sign Types									
Utilities (Located at)									
Utility Attachments									
Telephone	east buried				Gas				
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	RESIDENCE ENTRANCES-ALL 4 CORNERS.				
Vertical Alignment			8	8					
Roadway Width (m)	10.200								
Approach Bump			8	8					
Guardrail (Y/N)	No								
Guardrail			X	X					
Length (m)									
Current Standard (Y/N)									
Termination Type									
Drainage			7	8					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : TP, 3 Spans, Lengths(m): 1.5-1.5-1.5, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last					
Now					
Wearing Surface/Deck Top			7	7	Pavement over top of bridge deck.
(Material Type :)					
(Plank Thickness(mm) :)					
(Plank Width(mm) :)					
Deck Rideability			7	8	
Wheel Guards			X	X	
(Curb Type :)					
(Type :)					
(Thickness(mm) :)					
(Width(mm) :)					
Bridge Rail			X	X	
(Type :)					
Bridge Rail Posts			X	X	
(Type :)					
Bridge Rail/Posts Coating			X	X	
(Type :)					
(No. of Stringers : Null;Null;Null)					
Stringer Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	Stringers laminated. Viewed underside only. Three timber cells.
Last					
Now					
Stringers			4	4	
(Type :)					
(Width(mm) :)					
(Depth(mm) :)					
(Spacing(mm) :)					
Sub Deck/Deck Underside			4	3	(65 of 309 planks expected rot.-May 15, 2008) Hammer sounded. 10 to 15 mm gaps between 105 of boards, very minor infiltration. Several planks expected rot.-photo Plank in cell 3 near d/s end cracked.-photo
(Material Type : TREATED TIMBER)					
(Plank Thickness(mm) : 100)					
(Plank Width(mm) : 300)					
Defects (Percent Area)		5			
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			4	3	

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
Abutments					
(Extended Backwall Piles (Y/N) : N)					
(Extended Backwall Piles Spacing(mm) :)					
(Total Number of Caps/Corbels : :)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	1	
Now	0	0	0	1	
Bearing Seats/Caps/Corbels				3	3
(Type : TREATED TIMBER)					
(Depth(mm) : 140)					
(Width(mm) : 140)					
Backwalls/Breastwalls				4	3
Greatest Height (m)		1.40			
Wingwalls				4	3
140 X 140mm planks stacked, visible ends all have vert. cracking through timber. Rot expected in boards.-photo					
Bottom plank NW backwall broken, causing infiltration. 1.2 m X0.6m X 0.4m loss of material behind NW backwall/wingwall.-photo					
Top plank of wings near toe are beginning to rot.-May 15, 2008 Cell 1,A1 horizontal crack and buldge in plank near cl.-photo SW top plank broken.					
(Total Number of Bearing Piles : 0:0)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Piles				4	4
Paint/Coating				X	X
Abutment Stability				5	5
Scour/Erosion				4	3
Loss of material behind NW backwall.-photo					
Piers/Bents					
(Type : PIER-COLUMN)					
(Total Number of Caps/Corbels : :)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	1	
Now	0	0	0	1	
Bearing Seats/Caps/Corbels				3	3
(Type : TREATED TIMBER)					
(Depth(mm) :)					
(Width(mm) :)					
(Total Number of Bearing Piles : 0:0)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Pier Shaft/Piles				X	X
Greatest Height (m)		1.00			
Bracing/Struts/Sheathing				X	X
Nose Plate				X	X
(Piers are 150x 200 laminated timber. 2003/01/15)					
Same as Abut. - timber cells					
Pier 140mm X 140 Vertical cracks @ ends Suspect rot in boards near water level.-photo					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		5	5	
Scour		5	6	
Debris (Y/N)	Yes			Small drift and grass accumulated U/S .photo
Substructure General Rating		3	3	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)	0.6			HWM not visible Grass in trees & on timber U/S end. 0.6m above bottom of cap/stringer. N & S cells ~40% blocked with dirt and grass.
Drift (Y/N)	Yes			
Slope Protection		5	5	
(Type :)				
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							
PATCH DECK							
REPLACE STRIP DECK							
REPLACE SUB DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2012	Recommend assessment due to visual rot in timbers Plan for replacement					
OTHER ACTION	2012	Reduce insp. cycle to annual & monitor rotting timbers					
OTHER ACTION	2012	Remove drift					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	38.9/33.3	Sufficiency Rating (Last/Now) (%)	51.9/49.6	Est. Repl. Yr	2012	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor wing planks and caps/backwall and piers.		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	08-Sep-2013		Previous Inspection Date	16-Feb-2010			
Inspection Cycle (Default) (months)	21						
Comment							