

Bridge Inspection										
Bridge File Number	83071 -1 Bridge				Form Type	PT				
Year Built/Year Supstr	1986/1986				Lot No.	1				
Bridge or Town Name	HAY LAKES				Inspector Name	Jason Saly				
Located Over	WATERCOURSE, WATERCRS-NI				Inspector Class	BR CLS A				
Located On	TRAIL-PED, ON 50000 FB				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	01-Dec-2011				
Legal Land Location	SE SEC 25 TWP 52 RGE 20 W4M				Data Entry By	Marcia Chavez				
Longitude, Latitude	-112:48:46, 53:31:07				Data Entry Date	09-Jan-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien				
Contract Main. Area	UNDEFINED CMA				Review Date	15-Dec-2011				
Clear Roadway/Skew	1.2 /				Dept. Reviewer Name	Chris Black				
AADT/Year					Dept. Review Date	25-Jan-2012				
Road Classification					Follow-Up By					
Detour Length (km)										
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					Gas					
Power					Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		5	5	TRAILS					
Vertical Alignment		5	5						
Roadway Width (m)	1.200								
Approach Bump		5	5						
Guardrail (Y/N)	No								
Guardrail		X	X						
Length (m)									
Current Standard (Y/N)	No								
Termination Type	None								
Drainage		5	N						
Approach Road General Rating		5	5						

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : PT, 1 Spans, Lengths(m): 9.6, 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	0.0	0.0	0.0	1.0		
Wearing Surface/Deck Top				5	3	Old bridge piles have thrust up & dislodged one timber plank; several others are bowed.
(Material Type : TREATED TIMBER)						
(Plank Thickness(mm) : 75)						
(Plank Width(mm) : 300)						
Deck Rideability				5	3	Trip hazard from dislodged timber.
Deck Joints				X	X	
Temperature (deg. C)						
(Expansion Type :)						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
Curbs/Wheel Guards				X	X	
(Curb Type :)						
(Type :)						
(Thickness(mm) :)						
(Width(mm) :)						
Bridge Rail					X	DECK TO STREAMBED APPROX. 2.0m. Truss members form handrail.
(Type :)						
Bridge Rail Posts/Blocking				X	X	
(Type :)						
Bridge Rail/Posts Coating				X	X	
(Type :)						
Sidewalk				X	X	

Superstructure						
Bridge Component				Last	Now	Explanation of Condition
(Primary Span : PT, 1 Spans, Lengths(m): 9.6, A-Idem Number:)						
Wide Load Damage (Y/N)	No					65mm x 65mm tubing welded
Top Chord			7	7		
Batter Posts			7	7		
Diagonals			7	7		
Verticals			7	7		
Connections			7	7		
Floor Beams			7	7		
Bottom Chord			7	7		
Lateral Bracings			X	X		
(No. of Stringers : Null)						
Stringer Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Stringers			X	X		
(Type :)						
(Width(mm) :)						
(Depth(mm) :)						
(Spacing(mm) :)						
Paint Condition			7	6		Yellow.
(Colour Description :)						
(Colour Code :)						
Touchup Required (Y/N)	No					
Bearings			X	X		
Temperature (deg. C)						
(Expansion Type :)						
(Fixed Type :)						
Functioning (Y/N)						
Sub Deck/Deck Underside			X	X		
(Material Type : TREATED TIMBER)						
(Plank Thickness(mm) :)						
(Plank Width(mm) :)						
Defects (Percent Area)						
Span Alignment Problems						
Vertical (Y/N)	No					
Horizontal (Y/N)	No					
Superstructure General Rating			5	3		
Substructure						
Bridge Component				Last	Now	Explanation of Condition
Abutments						
(Extended Backwall Piles (Y/N) : N)						
(Extended Backwall Piles Spacing(mm) :)						

Substructure							
Bridge Component				Last	Now	Explanation of Condition	
(Total Number of Caps/Corbels : 1:1)						Timber caps on mud sill; buried.	
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now	0	0	0	0			
Bearing Seats/Caps/Corbels				5	5		
(Type : TREATED TIMBER)							
(Depth(mm) :)							
(Width(mm) :)							
Backwalls/Breastwalls				X	X		
Greatest Height (m)							
Wingwalls				X	X		
(Total Number of Bearing Piles : 0:0)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now	0	0	0	0			
Piles				X	X		
Paint/Coating				X	X		
Abutment Stability				5	5		
Scour/Erosion				5	5		
Piers/Bents							
(Type :)							
(Total Number of Caps/Corbels :)							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now							
Bearing Seats/Caps/Corbels				X	X		
(Type :)							
(Total Number of Bearing Piles :)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now							
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)		Yes				Old piles under bridge.	
Substructure General Rating				5	5		

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction :)				Unknown
(D/S Direction :)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)				
Slope Protection		5	6	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		5	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		5	6	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
PATCH DECK							
REPLACE SUB DECK							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2012	Cut out old piles.					
OTHER ACTION	2012	Reattach timber deck.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	55.0/44.4	Sufficiency Rating (Last/Now) (%)	51.2/70.8	Est. Repl. Yr	2016	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	Aime Theroux		Previous Assistant's Name				
Next Inspection Date	01-Sep-2016		Previous Inspection Date	14-Nov-2002			
Inspection Cycle (Default) (months)	57						
Comment							