

Bridge Inspection										
Bridge File Number	83074 -1 Bridge				Form Type	PT				
Year Built/Year Supstr	1986/1986				Lot No.	2				
Bridge or Town Name	VERMILION				Inspector Name	Owen Salava				
Located Over	VERMILION R, 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	30-Jan-2012				
Legal Land Location	SW SEC 6 TWP 50 RGE 7 W4M				Data Entry By	Marcia Chavez				
Longitude, Latitude	-111:01:36, 53:16:59				Data Entry Date	07-Mar-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien				
Contract Main. Area	UNDEFINED CMA				Review Date	23-Feb-2012				
Clear Roadway/Skew	2.3 /				Dept. Reviewer Name	Andrew Smikles				
AADT/Year					Dept. Review Date	09-Mar-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	EB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	WB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Remarks									
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	ON TRAIL, "Saskatoon". Trail rises to bridge on both ends.					
Vertical Alignment		5	5						
Roadway Width (m)	3.000								
Approach Bump		5	5						
Guardrail (Y/N)		No							
Guardrail		X	X						
Length (m)									
Current Standard (Y/N)		No							
Termination Type		None							
Drainage		5	5						
Approach Road General Rating		5	5						

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : PT, 1 Spans, Lengths(m): 8.6, A-Ident Number:)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)	Snow covered.	
Last						
Now	100.0	0.0	0.0	0.0		
Wearing Surface/Deck Top				5	N	Single layer of planks; viewed from below, underside looks good.
(Material Type : TREATED TIMBER)						
(Plank Thickness(mm) : 75)						
(Plank Width(mm) : 300)						
Deck Rideability			5	5		
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. 1.8m Truss forms rail.	
(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): 8.6, A-Idem Number:)							
Wide Load Damage (Y/N)	No					Deck planks span btwn floor beams; no signs of distress from below.	
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			7	7			
(No. of Stringers : Null)							
Stringer Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now							
Stringers			X	6			
(Type : STEEL)							
(Width(mm) :)							
(Depth(mm) :)							
(Spacing(mm) :)							
Paint Condition			7	7			
(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	6			
(Material Type : TREATED TIMBER)							
(Plank Thickness(mm) : 100)							
(Plank Width(mm) :)							
Defects (Percent Area)							
Span Alignment Problems							
Vertical (Y/N)	No						
Horizontal (Y/N)	No						
Superstructure General Rating			5	6			
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)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Bearing Seats/Caps/Corbels			2	7	
(Type : TREATED TIMBER)					
(Depth(mm) : 300)					
(Width(mm) : 300)					
Backwalls/Breastwalls			5	4	
Greatest Height (m)		1.00			
Wingwalls			X	7	
(Total Number of Bearing Piles : 3:3)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Piles			5	5	
Paint/Coating			5	4	
Abutment Stability			2	4	
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)		No			
Substructure General Rating			2	4	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)		No		
Slope Protection		5	5	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	5	

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	Add 2 planks, 75x300x4.5m total.								
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/Now)	38.0/55.6	Sufficiency Rating (Last/Now)	48.1/76.1	Est. Repl. Yr	2040	Maint. Req. (Y/N)	Yes			
Special Comments for Next Inspection			Department Comments							
Maintenance Reviewed By			Date							
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	30-Oct-2016		Previous Inspection Date	18-Nov-2002						
Inspection Cycle (Default) (months)	57									
Comment										

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	Add 2 planks, 75x300x4.5m total.	Programmed	2013		
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
Structural Condition Rating (Last/Now) (%)	38.0/55.6	Sufficiency Rating (Last/Now) (%)	48.1/76.1	Est. Repl. Yr	2040	Maint. Req. (Y/N) Yes
Special Comments for Next Inspection			Department Comments	DA		
Maintenance Reviewed By	Darron Ahlstedt		Date	05-Nov-2012	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	30-Oct-2016		Previous Inspection Date	18-Nov-2002		
Inspection Cycle (Default) (months)	57					

Comment	
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