

Bridge Inspection										
Bridge File Number	86155 -2 Bridge				Form Type	SS TT				
Year Built/Year Supstr	2012/2012				Lot No.					
Bridge or Town Name	Pierre Greys Lake Causeway				Inspector Name	Brian Pientsch				
Located Over	WATERCOURSE, WATERCRS-NI				Inspector Class	BR CLS A				
Located On	PEDESTRIAN TRAIL;TRAIL-PED				Assistant Name	Russel Vanderschaaf				
Water Body Cl./Year					Assistant Class	BR CLS B				
Navigabil. Cl./Year					Inspection Date	22-May-2012				
Legal Land Location	NW SEC 6 TWP 57 RGE 4 W6M				Data Entry By	Bryan Wai				
Longitude, Latitude	-118:35:06, 53:54:08				Data Entry Date	10-Sep-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux				
Contract Main. Area	UNDEFINED CMA				Review Date	19-Jun-2012				
Clear Roadway/Skew	2 /				Dept. Reviewer Name	David Morrison				
AADT/Year					Dept. Review Date	30-Oct-2012				
Road Classification					Follow-Up By					
Detour Length (km)	999									
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									
Hazard Marker At Bridge (Y/N)	No								
Remarks	Not required.								
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				9					
Vertical Alignment				9					
Roadway Width (m)	3.000								
Approach Bump				9					
Guardrail (Y/N)									
Guardrail				X					
Length (m)									
Current Standard (Y/N)									
Termination Type									
Drainage				9					
Approach Road General Rating				9					

Superstructure						
Bridge Component				Last	Now	Explanation of Condition
(Primary Span : SSF, 4 Spans, Lengths(m): 8.3-8.5-8.6-24.2, A-Ident Number:)						
Special Features						
Special Feature					X	SSF is for steel truss on Span 4.
(Type :)						
Special Feature					X	
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
Last						
Now						
Wearing Surface					9	
(Material Type :)						
(Thickness(mm) :)						
Deck Top					9	
Deck Rideability					9	
Deck Joints					X	
Temperature (deg. C)						
(Expansion Type :)						
(Fixed Type :)						
Gap Size (mm)	Gap Location					
Deck Drainage					X	
Drains Clogged (Y/N)						
Curbs/Median					9	
(Curb Type : Standard)						
Scaling (Percent Area)						
Bridge Rail					9	
(Type : STEEL NON-STANDARD RAIL)						
Bridge Rail Posts					9	
(Type :)						
Bridge Rail/Posts Coating					9	
(Type :)						
Sidewalk					X	
Top Chord					9	Welded
Diagonals					X	
Verticals					9	
Connections					9	
Floor Beams					9	
Bottom Chord					X	
Stringers					9	
Girders					9	
Diaphragms/Cross Frame					X	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : SSF, 4 Spans, Lengths(m): 8.3-8.5-8.6-24.2, A-Ident Number:)				
Paint Condition			9	
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings			9	
Temperature (deg. C)	15			
(Expansion Type :)				
(Fixed Type :)				
Coating Adequate (Y/N)				
Functioning (Y/N)	Yes			
Deck Underside			9	
Stains (Percent Area)				
(Snow Slots Filled :)				
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating			9	
Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Secondary Span : TT)				
Special Features				
Special Feature			X	TT is for Timber Spans 1-3.
(Type :)				
Special Feature			X	
(Type :)				
Wearing Surface/Deck Top Detail Ratings				
	N (%)	1 (%)	2 (%)	3 (%)
Last				
Now				
Wearing Surface/Deck Top			9	
(Material Type :)				
(Plank Thickness(mm) :)				
(Plank Width(mm) :)				
Deck Rideability			9	
Wheel Guards			9	
(Curb Type : Standard)				
(Type : TREATED TIMBER)				
(Thickness(mm) : 100)				
(Width(mm) : 150)				
Bridge Rail			9	
(Type : TREATED TIMBER NON-STANDARD RAIL)				
Bridge Rail Posts			9	
(Type : TREATED TIMBER;TREATED TIMBER)				
Bridge Rail/Posts Coating			9	
(Type :)				

Superstructure						
Bridge Component				Last	Now	Explanation of Condition
(Secondary Span : TT)						
(No. of Stringers : 3)						
Stringer Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Stringers					9	
(Type : TREATED TIMBER)						
(Width(mm) : 200)						
(Depth(mm) : 508)						
(Spacing(mm) : 1086)						
Sub Deck/Deck Underside					9	same as wearing surface.
(Material Type : TREATED TIMBER)						
(Plank Thickness(mm) : 75)						
(Plank Width(mm) : 237)						
Defects (Percent Area)						
Span Alignment Problems						
Vertical (Y/N)	No					
Horizontal (Y/N)	No					
Superstructure General Rating					9	
Substructure						
Bridge Component				Last	Now	Explanation of Condition
Abutments						
(Extended Backwall Piles (Y/N) : Y;N)						
(Extended Backwall Piles Spacing(mm) : 1500)						
(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					9	
(Type : GALVANIZED STEEL)						
(Depth(mm) : 346)						
(Width(mm) : 370)						
Backwalls/Breastwalls					9	
Greatest Height (m)	2.10					
Wingwalls					9	
(Total Number of Bearing Piles : 2:3)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Piles					9	
Paint/Coating					9	
Abutment Stability					9	
Scour/Erosion					9	

Substructure						
Bridge Component				Last	Now	Explanation of Condition
Piers/Bents						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 1:1:)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels					9	
(Type : GALVANIZED STEEL)						
(Depth(mm) : 346)						
(Width(mm) : 370)						
(Total Number of Bearing Piles : 2:2:4)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Pier Shaft/Piles					9	
Greatest Height (m)						
Bracing/Struts/Sheathing					X	
Nose Plate					X	
Paint/Coating					9	green.
(Colour Description :)						
(Colour Code :)						
Pier Stability					9	
Scour					9	
Debris (Y/N)		No				
Substructure General Rating					8	
Structure Usage						
				Last	Now	Explanation of Condition
Channel						
(U/S Direction :)						
(D/S Direction :)						
Alignment					9	
Bank Stability					9	
HWM (m below Top of Curb)						No HWM visible.
Drift (Y/N)						
Slope Protection					9	
(Type :)						
Guidebank/Spurs					9	
Adequacy of Opening					9	
(Fish Compensation Measure 1 : NONE)						
(Fish Compensation Measure 2 : NONE)						
Channel General Rating					9	

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							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
REPLACE STRIP DECK							
REPLACE SUB DECK							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
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							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	/94.4	Sufficiency Rating (Last/Now) (%)	/67.2	Est. Repl. Yr	2072	Maint. Req. (Y/N)	No
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			Previous Assistant's Name				
Next Inspection Date	22-Aug-2015		Previous Inspection Date				
Inspection Cycle (Default) (months)	39						

Comment	
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