

Bridge Inspection										
Bridge File Number	84038 -1 Bridge				Form Type	SG				
Year Built/Year Supstr	1980/1980				Lot No.	3				
Bridge or Town Name	BOULTON CK T				Inspector Name	Garry Roberts				
Located Over	BOULTON CREEK, 2.13.56.23, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	TRAIL-PED				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	06-Dec-2011				
Legal Land Location	SW SEC 30 TWP 19 RGE 8 W5M				Data Entry By	Erin Roberts				
Longitude, Latitude	-115:06:26, 50:37:54				Data Entry Date	29-Jan-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey				
Contract Main. Area	UNDEFINED CMA				Review Date	21-Dec-2011				
Clear Roadway/Skew	3 /				Dept. Reviewer Name	Tim Davies				
AADT/Year					Dept. Review Date	06-Feb-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	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			5	5	Trail Bridge				
Vertical Alignment			5	5					
Roadway Width (m)	2.000								
Approach Bump			5	5					
Guardrail (Y/N)	No				1.8m length of timber rail @ NE				
Guardrail			3	3	Bottom plank broken				
Length (m)	1.800								
Current Standard (Y/N)	Yes								
Termination Type	None								
Drainage			7	7					
Approach Road General Rating			5	5					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : RB, 1 Spans, Lengths(m): 14.9, 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	100.0	0.0	0.0	0.0	
Wearing Surface			7	N	180mm x 45mm CCA timber. 14.9m clear span 16.1m out to out longitudinal @ stripdeck. Snow covered.
(Material Type : UNTREATED TIMBER)					
(Thickness(mm) : 75)					
Deck Top			X	X	
Deck Rideability			7	7	
Deck Joints			X	X	
Temperature (deg. C)					
(Expansion Type :)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
Deck Drainage			7	7	
Drains Clogged (Y/N)					
Curbs/Median			7	7	140mm x 65mm lower rail of bridgerail acts as curb.
(Curb Type :)					
Scaling (Percent Area)		0			
Bridge Rail			7	6	Mix of treated and untreated material.
(Type :)					
Bridge Rail Posts			7	6	
(Type :)					
Bridge Rail/Posts Coating			7	5	
(Type :)					
Sidewalk			X	X	
Girder/Beam					
Cover Plate			X	X	2 - 310mm x 205mm I-Beam stringers. 40mm sag in stringers. Diaphragms are welded.
Flange			9	7	
Web			9	7	
Stiffeners			X	X	
Splice			X	X	
Weld			X	7	
Diaphragms/Cross Frame			8	7	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : RB, 1 Spans, Lengths(m): 14.9, A-Ident Number:)				
Paint Condition		8	6	
(Colour Description : GREEN)				
(Colour Code : 14090)				
Touchup Required (Y/N)	No			
Bearings		8	7	Surface corrosion.
Temperature (deg. C)	-10			
(Expansion Type : SLIDING PLATE)				
(Fixed Type :)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	185mm x 65mm CCA timber subdeck.
Stains (Percent Area)	10			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		7	7	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		9	8	
(Type : CONCRETE)				
Backwalls/Breastwalls		9	8	
Wingwalls		9	8	
Piles		X	X	
Paint/Coating		X	X	
Abutment Stability		9	8	
Scour/Erosion		7	7	
Piers/Bents				
(Type :)				
Bearing Seats/Caps		X	X	
(Type :)				
(Total Number of Bearing Piles :)				
Pier Shaft/Piles		X	X	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		X	X	
Scour		N	X	
Debris (Y/N)	No			
Substructure General Rating		9	8	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				On curve.
(D/S Direction : W)				
Alignment		6	6	
Bank Stability		8	8	
HWM (m below Top of Curb)				No visible HWM
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	6	

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							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2012	Replace one timber rail @ NE - 140 x 65 x 1800mm CCA Timber					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	88.9/83.3	Sufficiency Rating (Last/Now) (%)	91.5/88.4	Est. Repl. Yr	2030	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	Tom Carey		Previous Assistant's Name				
Next Inspection Date	06-Sep-2016		Previous Inspection Date	29-Oct-2008			
Inspection Cycle (Default) (months)	57						
Comment							