

Bridge Inspection										
Bridge File Number	84040 -1 Bridge					Form Type	SG			
Year Built/Year Supstr	1985/1985					Lot No.	4			
Bridge or Town Name	WATRIDGE CK					Inspector Name	Garry Roberts			
Located Over	OVER TR;CURRIE CREEK, WATERCRS-NI					Inspector Class	BR CLS A			
Located On	MUNICIPAL;TRAIL-PED, ON 50000 TR					Assistant Name				
Water Body Cl./Year						Assistant Class				
Navigabil. Cl./Year						Inspection Date	16-Dec-2011			
Legal Land Location	NW SEC 10 TWP 22 RGE 11 W5M					Data Entry By	Erin Roberts			
Longitude, Latitude	-115:26:43, 50:51:34					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	1.8 /					Dept. Reviewer Name	Tim Davies			
AADT/Year						Dept. Review Date	06-Feb-2012			
Road Classification						Follow-Up By				
Detour Length (km)	999									
Allowable Load (t):	Single		Semi		Train					
Design Loading:						----> On Critical Spans ---->Critical Member				
					----> Primary Span					

Posting Information												
Required Vert. Clearance Posting (m)												
Posted Vertical Clearance (Y/N)												
Posted:	Lane	NB	On Bridge (m)		In Advance (Y/N)	No	Lane	SB	On Bridge (m)		In Advance (Y/N)	No
Remarks	Not required.											
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	None visible.									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			5	5	Pedestrian trail bridge. Alignments adequate for usage. Bridge behind locked gates. 90 minute walk from Shark Mountain parking lot on Watridge Trail.				
Vertical Alignment			5	5					
Roadway Width (m)		2.000							
Approach Bump			5	5					
Guardrail (Y/N)		No							
Guardrail			X	X					
Length (m)									
Current Standard (Y/N)									
Termination Type									
Drainage			9	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	100	0	0	0		
Now	100.0	0.0	0.0	0.0		
Wearing Surface			N	N	185mm x 40mm CCA stripdeck.	
(Material Type : COPPER CHROMATE ARSENATE TREATED TIMBER)			Snow covered			
(Thickness(mm) : 40)						
Deck Top			N	N		
Deck Rideability			8	8		
Deck Joints			X	X		
Temperature (deg. C)						
(Expansion Type :)						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
Deck Drainage			9	7		
Drains Clogged (Y/N)		No				
Curbs/Median			9	8	140mm x 65mm CCA timber. Lower bridgrail plank acts as wheelguard.	
(Curb Type : None)						
Scaling (Percent Area)		0				
Bridge Rail			8	7	All rail is CCA timber. 75mm x 75mm HSS steel posts framed in CCA timber.	
(Type :)						
Bridge Rail Posts			9	7	Out to out longitudinal length of stripdeck is 16.0m.	
(Type : POST STEEL;POST STEEL)			14.8m clear span.			
Bridge Rail/Posts Coating			9	7		
(Type : PAINT)						
Sidewalk			X	X		
Girder/Beam						
Cover Plate			X	X	2 - 310 x 205 steel rolled "I" beams. 25mm sag in both.	
Flange			9	8		
Web			9	8		
Stiffeners			9	8		
Splice			X	X		
Weld			9	8		
Diaphragms/Cross Frame			9	8		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : RB, 1 Spans, Lengths(m): 14.9, A-Ident Number:)				
Paint Condition		5	5	10% minor surface corrosion.
(Colour Description : GREEN)				
(Colour Code : 14090)				
Touchup Required (Y/N)	No			
Bearings		6	6	Both ends have slotted holes with no anchor bolts.
Temperature (deg. C)	-5			
(Expansion Type : SLIDING PLATE)				
(Fixed Type : PINNED BEARING;SLIDING PLATE)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		8	7	190mm x 65mm CCA timber subdeck.
Stains (Percent Area)	5			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		6	6	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		9	8	
(Type : CONCRETE)				
Backwalls/Breastwalls		9	8	
Wingwalls		9	8	
Piles		N	N	
Paint/Coating		X	X	
Abutment Stability		9	8	
Scour/Erosion		9	8	
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		X	X	
Debris (Y/N)	No			
Substructure General Rating		9	8	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		9	9	
Bank Stability		9	8	
HWM (m below Top of Curb)	3.0			No visible HWM. Logs in stream.
Drift (Y/N)	Yes			
Slope Protection		9	8	Natural solid rock walls.
(Type : NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		9	8	
Grade Separation				
Road Alignment		X	X	
Traffic Safety Features		X	X	
Type				
Slope Protection		X	X	
(Type : NATURAL)				
Bank Stability		X	X	
Drainage		X	X	
Grade Separation General Rating		9	8	

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							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	83.3/77.8	Sufficiency Rating (Last/Now) (%)	55.4/51.7	Est. Repl. Yr	2035	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	Tom Carey		Previous Assistant's Name				
Next Inspection Date	16-Mar-2015		Previous Inspection Date	21-Oct-2008			
Inspection Cycle (Default) (months)	39						
Comment							