

Bridge Inspection										
Bridge File Number	80858 -1 Bridge				Form Type	SG				
Year Built/Year Supstr	1985/1985				Lot No.	8				
Bridge or Town Name	NORDEGG				Inspector Name	Paul Carrier				
Located Over	SIFLEUR RIVER, 6.185, WATERCRS-ST				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	20-Mar-2012				
Legal Land Location	SE SEC 32 TWP 35 RGE 17 W5M				Data Entry By	Marcia Chavez				
Longitude, Latitude	-116:23:30, 52:02:54				Data Entry Date	11-May-2012				
Road Authority	CLEARWATER COUNTY				Reviewer Name	Jason Saly				
Contract Main. Area	UNDEFINED CMA				Review Date	26-Apr-2012				
Clear Roadway/Skew	1.5 / 0 deg.				Dept. Reviewer Name	Andrew Smikles				
AADT/Year					Dept. Review Date	15-May-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	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	Not Required									
Hazard Marker At Bridge (Y/N)	No									
Remarks	Not required. See alignment ratings below.									
Other Sign Types	None									

Utilities (Located at)										
Utility Attachments										
Telephone					Gas					
Power					Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		7	7	60 deg. turn at E approach.					
Vertical Alignment		3	6	Pedestrian Use Only posted at staging area & BF78277.					
Roadway Width (m)	1.800								
Approach Bump		3	5	Roadway is basically wilderness trail; most defined part is at the boardwalk. Bump is only minor step for pedestrians.					
Guardrail (Y/N)	No								
Guardrail		X	X	Not required.					
Length (m)									
Current Standard (Y/N)									
Termination Type									
Drainage		5	5						
<b>Approach Road General Rating</b>		<b>3</b>	<b>6</b>						

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>RB, 2 Spans, Lengths(m): 15.2-15.2, A-Ident Number: A9999-45;A9999-46</b> )					
<b>Special Features</b>					
Special Feature			X		
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0.0	0.0	0.0	0.0	
Wearing Surface			7	X	
(Material Type : <b>TREATED TIMBER</b> )					
(Thickness(mm) : <b>75</b> )					
Deck Top			7	6	75.305 green treated plank. Several wide gaps; worst gap is 75mm near E abut (photo).
Deck Rideability			7	7	50 to 75mm gap between planks.
Deck Joints			X	X	
Temperature (deg. C)					
(Expansion Type : )					
(Fixed Type : )					
Gap Size (mm)		Gap Location			
Deck Drainage			7	7	Drainage btwn all planks.
Drains Clogged (Y/N)					
Curbs/Median			X	X	
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)					
Bridge Rail			6	6	All lattice rail at SE is upside down (photo). 1 lattice rail rivet broken on bottom S rail near pier (photo).
(Type : <b>LATTICE</b> )					
Bridge Rail Posts			8	8	
(Type : <b>POST STEEL;POST STEEL</b> )					
Bridge Rail/Posts Coating			6	6	
(Type : <b>PAINT</b> )					
Sidewalk			X	X	
<b>Girder/Beam</b>					
Cover Plate			X	X	
Flange			8	8	
Web			8	8	
Stiffeners			8	8	
Splice			7	7	Welded splice at mid point of each span.
Weld			7	7	
Diaphragms/Cross Frame			8	7	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : <b>RB, 2 Spans, Lengths(m): 15.2-15.2, A-Ident Number: A9999-45;A9999-46</b> )				
Paint Condition		6	6	1% rust; W span has minor chalking.
(Colour Description : <b>GREEN</b> )				
(Colour Code : <b>34350</b> )				
Touchup Required (Y/N)	No			Fed 5958 Std = CGSB #503-113.
Bearings		6	6	No anchor bolts - not causing any problems
Temperature (deg. C)	4			
(Expansion Type : <b>SLIDING PLATE</b> )				
(Fixed Type : )				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	
Stains (Percent Area)	0			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>6</b>	<b>6</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		8	8	305x305 steel caps
(Type : <b>STEEL</b> )				
Backwalls/Breastwalls		4	5	
Wingwalls		5	5	Single H-pile/wingwall; round steel plate to eliminate sharp H-pile corners - OK.
Piles		7	7	305 H-piles - 2 per abutment
Paint/Coating		X	X	
Abutment Stability		5	5	
Scour/Erosion		3	N	(Eroded at both abuts - E is worst. 06Mar2009) - banks covered with snow.
<b>Piers/Bents</b>				
(Type : <b>PIER-COLUMN</b> )				Double 305x305 steel caps
Bearing Seats/Caps		8	8	
(Type : <b>STEEL</b> )				
(Total Number of Bearing Piles : <b>4</b> )				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		8	8	Steel diaphragm between pier piles.
Nose Plate		X	X	
Paint/Coating		X	X	Entire substructure left unpainted; OK as no salt used in area.
(Colour Description : )				
(Colour Code : )				
Pier Stability		7	7	
Scour		N	N	(Under Ice. 06Mar2009) - Unable to rate as area covered with snow/ice.
Debris (Y/N)	No			

Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Substructure General Rating</b>		<b>3</b>	<b>5</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>S</b> )				
(D/S Direction : <b>N</b> )				
Alignment		8	8	
Bank Stability		4	N	(Eroded at both banks. 06Mar2009) - covered with snow/ice.
HWM (m below Top of Curb)				No visible HWM (Dicussion with Park Ranger advises water has flowed against superstructure 99/04/24).
Drift (Y/N)	No			
Slope Protection		5	5	
(Type : <b>NATURAL; NATURAL</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		6	4	See comment at HWM.
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>4</b>	<b>4</b>	

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	2012	Re-position & lock planks to stop movement (reduce gaps).					
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION	2012	(30 m3 Pit Run. 06Mar2009) - if not yet done.					
PLACE ADDITIONAL RIP RAP	2012	(30 m3 C1.2. 06Mar2009) - if not yet done.					
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2012	(Lower backwall & wingwall sht. - 12 3x12x8' T.T. 06Mar2009) - if not yet done.					
OTHER ACTION	2012	Install "Step" sign or fill to top of deck.					
OTHER ACTION	2012	Replace broken rivet.					
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>50.0/61.1</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>65.0/77.8</b>	Est. Repl. Yr	2029	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Evaluate need for rock riprap & lowering backwall sheeting.		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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	20-Dec-2016		Previous Inspection Date	06-Mar-2009			
Inspection Cycle (Default) (months)	57						
Comment							