

Bridge Inspection									
Bridge File Number	83064 -1 Bridge				Form Type	SG			
Year Built/Year Supstr	1986/1986				Lot No.	1			
Bridge or Town Name	N COOKING LA				Inspector Name	Jason Saly			
Located Over	WATERCOURSE, 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	29-Nov-2011			
Legal Land Location	SW SEC 31 TWP 52 RGE 19 W4M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-112:48:11, 53:31:56				Data Entry Date	03-Jan-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	UNDEFINED CMA				Review Date	15-Dec-2011			
Clear Roadway/Skew	3 /				Dept. Reviewer Name	Chris Black			
AADT/Year					Dept. Review Date	25-Jan-2012			
Road Classification	RLU-207G-60				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	Not required.								

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	Gentle bend - OK for designed use.					
Vertical Alignment		8	7						
Roadway Width (m)	3.600								
Approach Bump		5	5	3" bump; no problem for designed use.					
Guardrail (Y/N)	No			Not required.					
Guardrail		X	X						
Length (m)									
Current Standard (Y/N)	No								
Termination Type	NONE								
Drainage		7	7						
<b>Approach Road General Rating</b>		<b>7</b>	<b>7</b>						

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : <b>WG, 2 Spans, Lengths(m): 4.6-4.6, A-Ident Number: )</b>						
<b>Special Features</b>						
Special Feature			X			
(Type : )						
Special Feature			X			
(Type : )						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)	Snow covered.	
<b>Last</b>	90	0	0	0		
<b>Now</b>	100.0	0.0	0.0	0.0		
Wearing Surface			X	X	(Wearing surface is subdeck; end timber has splintered edges due to uneven surface. 28Mar2008).	
(Material Type : )						
(Thickness(mm) : )						
Deck Top			N	N	Timber sub-deck. 300 x 150.	
Deck Rideability			7	6		
Deck Joints			X	X		
Temperature (deg. C)		-2				
(Expansion Type : )						
(Fixed Type : )						
Gap Size (mm)		Gap Location				
Deck Drainage			7	7	No drains	
Drains Clogged (Y/N)						
Curbs/Median			7	6	Timber wheelguard, 150x150 full length both sides.	
(Curb Type : <b>Standard</b> )						
Scaling (Percent Area)						
Bridge Rail			5	5	(Designed to lift out as required according to conservation officers. 28Mar2008). Timber bridgerail-not continuous or connected @ splice. 100 x 37.	
(Type : <b>TREATED TIMBER BRIDGE SOLID BEAM (EX. TIMBER RAILS)</b> )						
Bridge Rail Posts			5	5	Bridgerail post 100 x 100.	
(Type : <b>TREATED TIMBER;TREATED TIMBER</b> )						
Bridge Rail/Posts Coating			X	X		
(Type : )						
Sidewalk			X	X		
<b>Girder/Beam</b>						
Cover Plate			X	X	175 x 300 exterior; 4 - girders 320 x 320. 2 - inside girders are braced with metal tube. Interior girders are different size than exterior girders. W abut does not have full bearing; bearing only at W edge. G1 at E abut 20-80mm gap. G1 at W abut 35-110mm gap. G3 is not sitting flush on the caps.	
Flange			9	7		
Web			9	7		
Stiffeners			7	7		
Splice			X	X		
Weld			7	7		
Diaphragms/Cross Frame			6	6		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : <b>WG, 2 Spans, Lengths(m): 4.6-4.6, A-Ident Number: )</b>				
Paint Condition		X	X	
(Colour Description : )				
(Colour Code : )				
Touchup Required (Y/N)				
Bearings		X	X	Girders bearing on timber cap.
Temperature (deg. C)	-2			
(Expansion Type : )				
(Fixed Type : )				
Coating Adequate (Y/N)				
Functioning (Y/N)				
Deck Underside		7	6	
Stains (Percent Area)				
<b>Span Alignment Problems</b>				
Vertical (Y/N)	Yes			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>7</b>	<b>4</b>	Due to vertical alignment; twisting girder.
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		5	3	W abut cap kicked out 105mm at S end. S abut cap kicked out 110mm at N end & rotated ~50mm.
(Type : <b>TREATED TIMBER</b> )				
Backwalls/Breastwalls		7	N	Abut caps 1:1 at 140x500mm.
Wingwalls		X	X	
Piles		X	X	
Paint/Coating		X	X	
Abutment Stability		4	3	See abut cap comments.
Scour/Erosion		6	6	
<b>Piers/Bents</b>				
(Type : <b>PIER-COLUMN</b> )				Pier cap (150x300) x 2 on end. Timber bracing at pier. Ends not treated.
Bearing Seats/Caps		7	6	
(Type : <b>TREATED TIMBER</b> )				S pile vertical crack.
(Total Number of Bearing Piles : <b>2</b> )				
Pier Shaft/Piles		5	5	
Bracing/Struts/Sheathing		7	5	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description : )				
(Colour Code : )				
Pier Stability		7	7	
Scour		7	N	
Debris (Y/N)	Yes			Beaver Dam
<b>Substructure General Rating</b>		<b>4</b>	<b>3</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>S</b> )				
(D/S Direction : <b>N</b> )				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Yes			
Slope Protection		7	6	
(Type : <b>NATURAL; NATURAL</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>7</b>	<b>6</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	Lay strip deck planks CCA.					
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS	2012	Straighten G3 on W span.					
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION	2012	Beaver Dam					
OTHER ACTION	2012	Lift bridge repair caps & mud sills & reset bridge.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>61.1/38.9</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>82.1/71.5</b>	Est. Repl. Yr	2025	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	Owen Salava		Previous Assistant's Name				
Next Inspection Date	29-Aug-2016		Previous Inspection Date	28-Mar-2008			
Inspection Cycle (Default) (months)	57						
Comment							