

Bridge Inspection									
Bridge File Number	77341 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1992/1992				Lot No.	4			
Bridge or Town Name	SLAVE LAKE				Inspector Name	Wade Nanninga			
Located Over	SAWRIDGE CREEK OVERFLOW, 8.11.80.25, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	88:02 C1 0.230				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	27-Mar-2013			
Legal Land Location	NW SEC 30 TWP 72 RGE 5 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-114:45:44, 55:16:04				Data Entry Date	15-Apr-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA06				Review Date	11-Apr-2013			
Clear Roadway/Skew	11.9 /				Dept. Reviewer Name	Brent Herrick			
AADT/Year	2,640 / 2012 (A)				Dept. Review Date	23-Apr-2013			
Road Classification	RAU-210-110				Follow-Up By				
Detour Length (km)	5								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	CS750						----> 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	Information.								
Utilities (Located at)									
Utility Attachments									
Telephone	To NW and NE				Gas	East r/w.			
Power	3 lines East r/w.				Municipal				
Others	Light standards to South.				Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Hwy 2 intersection 60m south, residential access 50m north.				
Vertical Alignment			8	8					
Roadway Width (m)	8.500								
Approach Bump			7	7					
Guardrail (Y/N)	Yes								
Guardrail			6	6	Not thrie beam				
Length (m)	34.200								
Current Standard (Y/N)	No								
Termination Type	Turn Down								
Drainage			7	4	Ponding @ NE due to snow/ice.				
<b>Approach Road General Rating</b>			<b>7</b>	<b>7</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>SCC, 3 Spans, Lengths(m): 12-12-12, 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 (%)	
<b>Last</b>					
<b>Now</b>	10.0				
Wearing Surface			6	5	Random wide longitudinal cracks in both lanes. SF concrete
(Material Type : <b>CONCRETE</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	Buffer angle. Paved over.
Bump (Y/N)		No			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			7	N	Typical medium vertical flex cracks every 750 mm. -Jul, 2011
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			7	7	
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts			7	7	
(Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			7	7	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	11	0	0	0	
<b>Now</b>					
Girders			5	5	Chipped bottom on both curbs in center span and on West curb in span 1 & 3. Span 2 G10/11 & span 1 G11 have typical cracks less than 0.5m long.
Last Complete Inspection Date		27-Mar-2013			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : <b>33</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			Curbs are skewed to roadway shoulder. 175mm out of alignment.- Jul,2011
Horizontal (Y/N)		Yes			
<b>Superstructure General Rating</b>			<b>5</b>	<b>5</b>	

Substructure								
Bridge Component		Last	Now	Explanation of Condition				
<b>Abutments</b>								
(Extended Backwall Piles (Y/N) : <b>N</b> )				Missing bridge plaque @ SE.				
(Extended Backwall Piles Spacing(mm) : )								
(Total Number of Caps/Corbels : <b>1:1</b> )								
Bearing Seats/Caps/Corbels Detail Ratings								
	N (count)	1 (count)	2 (count)				3 (count)	
<b>Last</b>								
<b>Now</b>								
Bearing Seats/Caps/Corbels			7				7	
(Type : <b>CONCRETE</b> )								
(Depth(mm) : )								
(Width(mm) : )								
Backwalls/Breastwalls			X	X				
Greatest Height (m)		1.00						
Wingwalls			7	7				
(Total Number of Bearing Piles : <b>0:0</b> )								
Piles Detail Ratings								
	N (count)	1 (count)	2 (count)	3 (count)				
<b>Last</b>	99	0	0	0				
<b>Now</b>	99							
Piles			N	N				
Paint/Coating			5	5				
Abutment Stability			7	7				
Scour/Erosion			7	7				
<b>Piers/Bents</b>								
(Type : <b>PIER-COLUMN</b> )				P1 West end gouged, damaged metal drip strip. Metal drip strip mangled @ P2 West end.				
(Total Number of Caps/Corbels : <b>1:1</b> )								
Bearing Seats/Caps/Corbels Detail Ratings								
	N (count)	1 (count)	2 (count)				3 (count)	
<b>Last</b>								
<b>Now</b>								
Bearing Seats/Caps/Corbels			5				5	
(Type : <b>CONCRETE</b> )								
(Depth(mm) : <b>800</b> )								
(Width(mm) : <b>600</b> )								
(Total Number of Bearing Piles : <b>6:6</b> )								
Piles Detail Ratings								
	N (count)	1 (count)	2 (count)	3 (count)				
<b>Last</b>								
<b>Now</b>								
Pier Shaft/Piles			7	7				
Greatest Height (m)		3.80						
Bracing/Struts/Sheathing			X	X				
Nose Plate			X	X				
Paint/Coating			7	7				
(Colour Description : )								
(Colour Code : )								
Pier Stability			7	7				

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		7	N	
Debris (Y/N)	Yes			Few small sticks of drift.
<b>Substructure General Rating</b>		<b>5</b>	<b>5</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				
(D/S Direction : <b>E</b> )				
Alignment		8	8	
Bank Stability		8	8	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Yes			
Slope Protection		7	7	Class 1 rock, both headslopes.
(Type : <b>RIP RAP; RIP RAP</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>7</b>	<b>7</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
OVERLAY DECK							
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							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>55.6/55.6</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>61.3/60.4</b>	Est. Repl. Yr	2059	Maint. Req. (Y/N)	No
Special Comments for Next Inspection	Monitor deck cracking and consider sealing within 5 years.		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	Eric Carcoux		Previous Assistant's Name				
Next Inspection Date	27-Dec-2014		Previous Inspection Date	14-Jul-2011			
Inspection Cycle (Default) (months)	21						
Comment							