

Bridge Inspection										
Bridge File Number	76005 -1 Bridge				Form Type	PCS				
Year Built/Year Supstr	1987/1987				Lot No.	2				
Bridge or Town Name	SLAVE LAKE				Inspector Name	Wade Nanninga				
Located Over	MOONEY CREEK, 8.11.80.28, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	2:48 C1 3.527				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	27-Mar-2013				
Legal Land Location	SE SEC 3 TWP 73 RGE 6 W5M				Data Entry By	Theresa Lacusta				
Longitude, Latitude	-114:49:43, 55:17:16				Data Entry Date	16-Apr-2013				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux				
Contract Main. Area	CMA06				Review Date	11-Apr-2013				
Clear Roadway/Skew	12 /				Dept. Reviewer Name	Brent Herrick				
AADT/Year	3,030 / 2012 (A)				Dept. Review Date	23-Apr-2013				
Road Classification	RAU-211.8-110				Follow-Up By					
Detour Length (km)	6									
Allowable Load (t):	Single	CS1 28		Semi	CS2 49		Train	CS3 62		----> On Critical Spans ---->Critical Member
Design Loading:	MS300								----> 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.								
Other Sign Types	Mooney Creek								

Utilities (Located at)									
Utility Attachments									
Telephone	South r/w.				Gas				
Power	6 wires 20 m north				Municipal				
Others	AB supernet fibre optic North r/w.				Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Approach both ways.				
Vertical Alignment			8	8					
Roadway Width (m)		10.500			Slight dip @ East approach. Pothole @ West.				
Approach Bump			5	4					
Guardrail (Y/N)		Yes			SW & NW connection disconnected - photos.				
Guardrail			3	3					
Length (m)		45.600							
Current Standard (Y/N)		No							
Termination Type		Turned Down							
Drainage			7	7					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SMC, 3 Spans, Lengths(m): 10-10-10, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	0	0	0	0	
Now	10.0				
Wearing Surface			5	5	5% peeled off. Random wide cracks -
(Material Type : ACP - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 60)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	Paved over.
Bump (Y/N)		No			
Deck Drainage			3	3	Drains missing downspout @ 3 locations - photo. Staining deck underside. Concrete around drain at S1 G11 delam due to poor drainage
Drains Clogged (Y/N)		No			
Curbs/Median			4	4	Spall along base @ SW. Several spalls along top edge of south curb on spans 1 & 2.
(Curb Type : Standard)					
Scaling (Percent Area)		1			
Bridge Rail			6	6	Minor nick to rail on south side.
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			4	4	Missing post cap 4th from SW - photo. Dirty.
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			6	6	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last				1	
Now				1	
Girders			3	3	The outside bottom corner of 5 curb units have numerous chips. Appear to have been done by a hoe. Worst in S2G11 - photo. Concrete cracking and delaminating at girder S3G11 underside around deck drain (photo)
Last Complete Inspection Date		27-Mar-2013			
Cracking (Y/N)		No			
Spalling (Percent Area)		1			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 33)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			3	3	

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
Abutments					
(Extended Backwall Piles (Y/N) : N)					
(Extended Backwall Piles Spacing(mm) :)					
(Total Number of Caps/Corbels : 1:1)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	2				
Bearing Seats/Caps/Corbels				7	N
(Type : CONCRETE)					
(Depth(mm) :)					
(Width(mm) :)					
Backwalls/Breastwalls			X	X	
Greatest Height (m)		0.30			
Wingwalls			7	7	
(Total Number of Bearing Piles : 0:0)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	99	0	0	0	
Now	99				
Piles				N	N
Paint/Coating				5	N
Abutment Stability				7	7
Scour/Erosion				5	5
Piers/Bents					
(Type : PIER-COLUMN)					
(Total Number of Caps/Corbels : 1:1)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now					
Bearing Seats/Caps/Corbels				6	6
(Type : CONCRETE)					
(Depth(mm) : 700)					
(Width(mm) : 600)					
(Total Number of Bearing Piles : 6:6)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now					
Pier Shaft/Piles				7	7
Greatest Height (m)		3.30			
Bracing/Struts/Sheathing			7	7	
Nose Plate			X	X	
Paint/Coating				5	5
(Colour Description :)					
(Colour Code :)					

All caps have chips @ ends, probably during construction.

Undercoat exposed on bottom 1.2m.

Brown.

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		7	7	
Scour		7	7	
Debris (Y/N)	Yes			
Substructure General Rating		6	6	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		7	7	
Bank Stability		4	4	Vertical cut bank @ SE.
HWM (m below Top of Curb)	0.6			Drift on top of West headslope (photo)-Jun-2011
Drift (Y/N)	Yes			
Slope Protection		6	6	Silt covered. Class 1 on East headslope. Class 2 on West headslope.
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		5	5	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		4	4	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2013	Re-attach SW/NW rail connection, replace missing post cap.					
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	2013	Extend deck drains U/S of girder.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	50.0/50.0	Sufficiency Rating (Last/Now) (%)	52.2/51.8	Est. Repl. Yr	2044	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor spall/delam @ S3G11.		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	Shane Hall		Previous Assistant's Name				
Next Inspection Date	27-Dec-2014		Previous Inspection Date	09-Jun-2011			
Inspection Cycle (Default) (months)	21						
Comment							