

Bridge Inspection										
Bridge File Number	79692 -1 Bridge				Form Type	PSR				
Year Built/Year Supstr	1989/1989				Lot No.	2				
Bridge or Town Name	CALLING LAKE				Inspector Name	Arnold Assenheimer				
Located Over	TRIBUTARY TO CALLING RIVER, 8.11.53.8, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	813:06 C1 4.631				Assistant Name	Wade Nanninga				
Water Body Cl./Year					Assistant Class	BR CLS B				
Navigabil. Cl./Year					Inspection Date	06-Jan-2011				
Legal Land Location	NE SEC 5 TWP 74 RGE 22 W4M				Data Entry By	Theresa Lacusta				
Longitude, Latitude	-113:20:27, 55:22:59				Data Entry Date	03-Feb-2011				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Stew Hagan				
Contract Main. Area	CMA10				Review Date	13-Jan-2011				
Clear Roadway/Skew	12 /				Dept. Reviewer Name	Brent Herrick				
AADT/Year	520 / 2009 (A)				Dept. Review Date	08-Feb-2011				
Road Classification	RCU-210-110				Follow-Up By					
Detour Length (km)	120									
Allowable Load (t):	Single	CS1 28	Semi	CS2 49						
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)	Yes								
Remarks									
Other Sign Types									

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

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	Curve to south & crest curve to North. No passing NB & SB. Limited sight distance both directions.				
Vertical Alignment			6	6					
Roadway Width (m)	10.300				Missing 2 posts per corner, insufficient length. SE & NW - 32.9m; SW & NE - 25.3m.				
Approach Bump			7	7					
Guardrail (Y/N)	Yes								
Guardrail			7	7					
Length (m)	25.300								
Current Standard (Y/N)	No								
Termination Type	Turned Down				Eroded under NW cap. Fill settled 200mm.				
Drainage			4	4					
Approach Road General Rating			6	6					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : DBC, 1 Spans, Lengths(m): 38, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last					
Now	10.0	0.0	0.0	0.0	
Wearing Surface				6	6
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top				N	N
Deck Rideability				8	8
Deck Joints				6	4
Temperature (deg. C)		0			
(Expansion Type : ARMoured GLAND (WABO UNDER FINGER OR SLIDING PLATES))					
(Fixed Type : ARMoured GLAND (WABO UNDER FINGER OR SLIDING PLATES))					
Gap Size (mm)		Gap Location			
20		N. Abut.			
15		S. Abut.			
Deck Drainage				8	8
Drains Clogged (Y/N)					
Curbs/Median				8	N
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail				8	8
(Type : GALVANIZED STEEL BRIDGE TUBE;BRIDGE TUBE)					
Bridge Rail Posts				8	8
(Type : GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating				8	8
(Type : GALVANIZED)					
Sidewalk				X	X
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders				5	4
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
(Number Of Girders : 11)					
Typical DBC cracking in end blocks, extending into narrow web. Curb girders and G3-S abut.					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : DBC, 1 Spans, Lengths(m): 38, A-Ident Number:)				
Diaphragms/Cross Frame		8	8	
Bearings		8	4	Pad under G8 N abut is slipping 20mm off soul plate.
Temperature (deg. C)	0			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type : PINNED BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		8	8	
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		5	4	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
Backwalls/Breastwalls		8	8	
Wingwalls		8	8	
Piles		N	N	
Paint/Coating		4	6	
Abutment Stability		8	8	
Scour/Erosion		4	4	NW erosion under cap-settled 200mm.
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		8	8	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				
(D/S Direction : W)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Yes			
Slope Protection (Type : RIP RAP; RIP RAP)		8	4	Lower half of headslope. NW corner fill settled 200mm.
Guidebank/Spurs		X	X	
Adequacy of Opening		9	9	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	4	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
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) (%)	72.2/66.7	Sufficiency Rating (Last/Now) (%)	66.8/58.9	Est. Repl. Yr	2049	Maint. Req. (Y/N)	No
Special Comments for Next Inspection	Monitor NW erosion& cracking in girders.		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	Dave Lam		Previous Assistant's Name				
Next Inspection Date	06-Apr-2014		Previous Inspection Date	08-Aug-2007			
Inspection Cycle (Default) (months)	39						
Comment							