

Bridge Inspection										
Bridge File Number	79370 -1 Bridge				Form Type	PCS				
Year Built/Year Supstr	1982/1982				Lot No.	2				
Bridge or Town Name	CALLING LAKE				Inspector Name	Wade Nanninga				
Located Over	TRIBUTARY TO CALLING RIVER, 8.11.53.7, WATERCRS-ST				Inspector Class	BR CLS B				
Located On	813:04 C1 33.855				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	06-Jan-2011				
Legal Land Location	NE SEC 36 TWP 72 RGE 22 W4M				Data Entry By	Theresa Lacusta				
Longitude, Latitude	-113:14:37, 55:17:03				Data Entry Date	04-Feb-2011				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer				
Contract Main. Area	CMA10				Review Date	12-Jan-2011				
Clear Roadway/Skew	10 /				Dept. Reviewer Name	Brent Herrick				
AADT/Year	690 / 2009 (A)				Dept. Review Date	08-Feb-2011				
Road Classification	RCU-210-110				Follow-Up By					
Detour Length (km)	10									
Allowable Load (t):	Single	CS1 28		Semi	CS2 49		Train	CS3 62		----> On Critical Spans ---->Critical Member
Design Loading:	MS23								----> 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	Not at correct location or height (200 too high).								
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			8	8	Roadside turnout NB.				
Vertical Alignment			7	7					
Roadway Width (m)		10.200		Insufficient length & lacks intermediate post. SE transition missing connection bolt - photo.-08-Aug-2007 Snow covered.					
Approach Bump		4	6						
Guardrail (Y/N)		Yes							
Guardrail		4	N						
Length (m)		11.400							
Current Standard (Y/N)		No							
Termination Type		Turned Down							
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>SM, 1 Spans, Lengths(m): 8, 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	0.0	0.0	0.0	
Wearing Surface			6	6	Cracks between units.
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)	Yes				
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	Asphalt covered.7
Bump (Y/N)		No			
Deck Drainage			7	7	Rust stains at underside from connector pockets. No deck drains.
Drains Clogged (Y/N)					
Curbs/Median			6	N	
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			5	N	SW terminal bent out slightly (40mm) from accident damage. Top rail East has minor dent - photo.-08-Aug-2007
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts			8	8	
(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>					
<b>Now</b>					
Girders			7	7	Staining underside from connector pockets. Some girders U/S have spot corrosion.
Last Complete Inspection Date	06-Jan-2011				
Cracking (Y/N)		No			Not visible.
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : <b>9</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>7</b>	<b>7</b>	

Substructure							
Bridge Component				Last	Now	Explanation of Condition	
<b>Abutments</b>							
(Extended Backwall Piles (Y/N) : Y)							
(Extended Backwall Piles Spacing(mm) : 1600)							
(Total Number of Caps/Corbels : 3:3)							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)		North & South abutment leaning towards stream from 50mm. North and South abutment cap rotating slightly.	
<b>Last</b>							
<b>Now</b>							
Bearing Seats/Caps/Corbels				6	5		
(Type : TREATED TIMBER)							
(Depth(mm) : 350)							
(Width(mm) : 300)							
Backwalls/Breastwalls				4	4		
Greatest Height (m)		3.50					
Wingwalls				5	4		SW and NW wing and extension piles lack tie backs and moving inwards.
(Total Number of Bearing Piles : 10:10)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)		Piles bowed from backwall pressure, too high. Clamped at top of all bearing piles.	
<b>Last</b>							
<b>Now</b>							
Piles				5	5		
Paint/Coating				X	X		
Abutment Stability				5	5		
Scour/Erosion				4	5		
<b>Piers/Bents</b>							
(Type : )							
(Total Number of Caps/Corbels : )							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
<b>Last</b>							
<b>Now</b>							
Bearing Seats/Caps/Corbels				X	X		
(Type : )							
(Depth(mm) : )							
(Width(mm) : )							
(Total Number of Bearing Piles : )							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
<b>Last</b>							
<b>Now</b>							
Pier Shaft/Piles				X	X		
Greatest Height (m)							
Bracing/Struts/Sheathing				5	5	Strut between ext piles bowed - photo.	
Nose Plate				X	X		

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Paint/Coating		X	X	
(Colour Description : )				
(Colour Code : )				
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
<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>E</b> )				
(D/S Direction : <b>W</b> )				
Alignment		7	7	
Bank Stability		4	4	SE embankment erosion @ end of wingwall.
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		6	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>4</b>	<b>4</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	2011	Reinstall hazard markers to meet standard.					
OTHER ACTION							
OTHER ACTION	2011	Replace missing bolt @ approach/bridgerail transition connection @ SE., if not done.					
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>66.7/66.7</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>64.9/64.3</b>	Est. Repl. Yr	2024	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	Dave Lam		Previous Assistant's Name				
Next Inspection Date	06-Apr-2014		Previous Inspection Date	08-Aug-2007			
Inspection Cycle (Default) (months)	39						
Comment							