

Bridge Inspection											
Bridge File Number	09630 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1981/1981				Lot No.	1					
Bridge or Town Name	CALLING LAKE				Inspector Name	Wade Nanninga					
Located Over	CALLING RIVER, 8.11.53, WATERCRS-ST				Inspector Class	BR CLS B					
Located On	813:04 C1 22.314				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	06-Jan-2011					
Legal Land Location	NE SEC 32 TWP 71 RGE 21 W4M				Data Entry By	Theresa Lacusta					
Longitude, Latitude	-113:11:55, 55:11:53				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)	100										
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										
Other Sign Types	Max 80 kph - SB.									

Utilities (Located at)										
Utility Attachments										
Telephone	East r/w.				Gas	Alta gas East r/w.				
Power	3 wires East r/w.				Municipal					
Others	Street lights. A single wire steet light east side.				Problem (Y/N)	No				
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Access roads South & North.				
Vertical Alignment			9	9					
Roadway Width (m)	9.500								
Approach Bump			7	7					
Guardrail (Y/N)			No						
Guardrail			X	X					
Length (m)									
Current Standard (Y/N)			No						
Termination Type			None						
Drainage			8	8					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SM, 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					
Now	20.0	0.0	0.0	0.0	
Wearing Surface			4	4	Longitudinal cracking & raveling indicates possible poor connection. (S2 near c/l - photo. S3 along west curb wide crack S3 in NBL-photo. -08Aug-2007)
(Material Type : ACP - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	Yes				
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			N	N	Buffer angle-paved over.
Bump (Y/N)		No			
Deck Drainage			5	5	Leaking between girders. Staining @ connector pockets. No deck drains.
Drains Clogged (Y/N)					
Curbs/Median			4	N	Snow plow scrapes. Light amount of scaling on SE & center curb sections, painted over. Some rust spots on outside fascia of curbs East side, S1-photo. Spalled corner, West curb over P1 - photo.-08-Aug-2007
(Curb Type : Standard)					
Scaling (Percent Area)		1			
Bridge Rail			7	7	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			7	7	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type : GALVANIZED)					
Sidewalk			6	6	Approach fill about 150 below sidewalk.-08-Aug-2007
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	9 + 1 (sidewalk).
Last	10			2	
Now	0	0	0	3	
Girders			3	3	Rust staining on bottom side of girder @ connector pockets. S1G10 over P1 & S3G10 over P2 delam/spall with void - photos. Span 3 girder bearing 100mm on P2. WLC Sp1G5 in AZ, spall in SP1G8 WLC Sp2G7 and delam spall at P1. Spall in SP3G2 with corroded rebar along bottom edge.
Last Complete Inspection Date		06-Jan-2010			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		1			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 30)					
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) : Y)				No file tags.		
(Extended Backwall Piles Spacing(mm) : 1300)				All piles have steel bearing plates.		
(Total Number of Caps/Corbels : 3:3)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now						
Bearing Seats/Caps/Corbels				4	4	
(Type : TREATED TIMBER)						
(Depth(mm) : 350)						
(Width(mm) : 300)						
Backwalls/Breastwalls				7	4	
Greatest Height (m)		2.80				
Wingwalls				7	7	
(Total Number of Bearing Piles : 11:11)				SW bearing pile under sidewalk is checked. All piles have backwall clamps to low up to 300mm from top. Some piles are vertical split but clamped.		
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now						
Piles				5	4	
Paint/Coating				X	X	
Abutment Stability				4	4	
Scour/Erosion				6	6	
Piers/Bents						
(Type : PIER-COLUMN)				2 cap/crowned subcap each pier.		
(Total Number of Caps/Corbels : 3:3)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now						
Bearing Seats/Caps/Corbels				4	4	
(Type : TREATED TIMBER)						
(Depth(mm) : 300)						
(Width(mm) : 350)						
(Total Number of Bearing Piles : 11:11)				Signs of rot in pier 2 piles at waterline.		
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last		0	0	0		
Now	11	0	0	0		
Pier Shaft/Piles				N	4	
Greatest Height (m)		2.80				
Bracing/Struts/Sheathing				3	3	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Nose Plate		6	6	3 bottom rows P2 fallen off - photo.
Paint/Coating		4	4	Pitting rust nose plates. Rusting nose plate.
(Colour Description :)				
(Colour Code :)				
Pier Stability		6	4	
Scour		N	N	
Debris (Y/N)	Yes			Old piles in S.B.
Substructure General Rating		4	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				Gentle bend U/S.
(D/S Direction : E)				
Alignment		6	6	
Bank Stability		6	6	
HWM (m below Top of Curb)				High water mark not visible.
Drift (Y/N)	Yes			Old abutment piles/sheathing under end spans.
Slope Protection		7	6	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		6	6	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS	2011	Patch spall on West curb over P1, if not done.					
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	2011	Install approach guardrail to meet standard.					
OTHER ACTION	2011	Replace missing P2 sheathing.					
OTHER ACTION	2011	Redo connector pockets at next rehab.					
OTHER ACTION	2011	Reset backwall clamps when caps changed.					
OTHER ACTION	2011	Patch S1G10 & S3G1 spalled girder.					
OTHER ACTION	2011	Realign P2 to evenly bear S2/S3 girders when replacing caps.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	38.9/38.9	Sufficiency Rating (Last/Now) (%)	51.0/50.9	Est. Repl. Yr	2025	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Determine when piles/caps cored and program next coring inspection. Cored caps in 2006 -monitor piles, consider coring after 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			