

Bridge Inspection										
Bridge File Number	00690 -1 Bridge				Form Type	PCS				
Year Built/Year Supstr	1976/1976				Lot No.	4				
Bridge or Town Name	CALAHOO				Inspector Name	Melanie Johnson				
Located Over	STURGEON RIVER, 6.65, WATERCRS-ST				Inspector Class	BR CLS B				
Located On	37:02 C1 15.164				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	07-Nov-2011				
Legal Land Location	NW SEC 2 TWP 55 RGE 1 W5M				Data Entry By	Theresa Lacusta				
Longitude, Latitude	-114:02:29, 53:43:38				Data Entry Date	19-Nov-2011				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux				
Contract Main. Area	CMA09				Review Date	13-Nov-2011				
Clear Roadway/Skew	10 / -30 deg. (LHF)				Dept. Reviewer Name	Brent Herrick				
AADT/Year	2,530 / 2010 (A)				Dept. Review Date	19-Dec-2011				
Road Classification	RAU-209-110				Follow-Up By					
Detour Length (km)	3									
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member			
Design Loading:	HS25						----> 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)		
Posted:	Lane	WB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Remarks	Not req'd								
Hazard Marker At Bridge (Y/N)	No								
Remarks									
Other Sign Types									

Utilities (Located at)										
Utility Attachments										
Telephone	North row				Gas					
Power	S-row, 2 wire OH				Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		6	6	Horizontal curve to East, grade to West. Limited sight distance, no passing for east bound traffic.					
Vertical Alignment		6	6						
Roadway Width (m)	8.000								
Approach Bump			8	7					
Guardrail (Y/N)	Yes								
Guardrail			4	6					
Length (m)	34.200								
Current Standard (Y/N)	Yes								
Termination Type	Turned Down								
Drainage			6	6					
Approach Road General Rating			6	6					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : VS, 4 Spans, Lengths(m): 10.7-10.7-10.7-10.7, 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					
Wearing Surface			6	6	
(Material Type : ACP)					
(Thickness(mm) : 100)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			9	8	
Deck Joints			N	N	
Bump (Y/N)		No			
Deck Drainage			7	7	No drains
Drains Clogged (Y/N)		No			
Curbs/Median			6	6	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			9	8	HSS.
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			4	4	4 anchor bolts with insufficient thread.
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	2	
Now	18	0	0	0	
Girders			3	4	Typical hairline cracks 0.5m long. Due to skew, curbs are stepped 25mm. SP1G1,5,6, SP2G9,G2. SP3G6,7,8. Girders have been patched. SP1G8 honeycomb & corrosion spot mid span. SP1G9 corrosion at pier location. SP3G1, G4 & G5 corrosion spots. Spall @ SP1G1 over P1-photo-has been patched SP4G1-narrow ck extends 800mm from girder fold.-photo Span 2 and 3 girders viewed from banks.-not able to see much.
Last Complete Inspection Date		23-Mar-2010			
Cracking (Y/N)		Yes			
Spalling (Percent Area)					
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 36)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			3	4	

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						
Now						
Bearing Seats/Caps/Corbels				7	7	
(Type : CONCRETE)						
(Depth(mm) : 700)						
(Width(mm) : 400)						
Backwalls/Breastwalls				7	7	
Greatest Height (m)		1.50				
Wingwalls				7	7	
(Total Number of Bearing Piles : 9:9)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	100	0	0	0		
Now	18	0	0	0		
Piles				N	N	
Paint/Coating				5	5	
Abutment Stability				7	7	
Scour/Erosion				8	7	Fill settled 200mm @ A1.
Piers/Bents						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 1:1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels				4	4	
(Type : CONCRETE)						
(Depth(mm) :)						
(Width(mm) :)						
(Total Number of Bearing Piles : 6:6:6)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Pier Shaft/Piles				7	7	
Greatest Height (m)		4.30				
Bracing/Struts/Sheathing				8	8	
Nose Plate				X	X	
Paint/Coating				6	6	
(Colour Description : BLUE)						
(Colour Code : 15182)						
Pier Stability				7	7	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		7	7	
Debris (Y/N)	No			
Substructure General Rating		4	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		7	7	Minor drift in channel. Beaver dam 100m U/S.
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Yes			
Slope Protection		7	7	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	7	

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							
Structural Condition Rating (Last/Now) (%)	38.9/44.4	Sufficiency Rating (Last/Now) (%)	56.6/59.0	Est. Repl. Yr	2040	Maint. Req. (Y/N)	No
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	Shane Hall		Previous Assistant's Name				
Next Inspection Date	07-Aug-2013		Previous Inspection Date	23-Mar-2010			
Inspection Cycle (Default) (months)	21						
Comment							