

Bridge Inspection									
Bridge File Number	07848 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1979/1979				Lot No.	2			
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 22.848				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	08-Nov-2011			
Legal Land Location	NW SEC 33 TWP 54 RGE 27 W4M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-113:55:54, 53:42:56				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	10.1 /				Dept. Reviewer Name	Brent Herrick			
AADT/Year	2,580 / 2010 (A)				Dept. Review Date	15-Dec-2011			
Road Classification	RAU-209-110				Follow-Up By				
Detour Length (km)	6								
Allowable Load (t):	Single	CS1 28		Semi	CS2 49		Train	CS3 62	
Design Loading:	MS23							----> On Critical Spans ---->Critical Member	
								----> 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 req'd.								
Hazard Marker At Bridge (Y/N)	No								
Remarks	Not req'd.								
Other Sign Types									

Utilities (Located at)									
Utility Attachments									
Telephone	South row.				Gas				
Power	North row - 3 wire OH				Municipal				
Others					Problem (Y/N)		No		
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	Bridge is between 2 curves, no passing, limited sight distance. "T" intersection to west. File tag missing. Slot for bridge plaque at NE & SW corners but no plaque installed.				
Vertical Alignment			7	7					
Roadway Width (m)		7.900			Approach bumps at both ends cause traffic to bounce onto deck.				
Approach Bump			4	4					
Guardrail (Y/N)		Yes			Ditch erosion @ NE corner ~10mx1.5mx1.0m-photo				
Guardrail			5	5					
Length (m)		34.200							
Current Standard (Y/N)		No							
Termination Type		Turned Down							
Drainage			5	4					
Approach Road General Rating			6	6					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SM, 3 Spans, Lengths(m): 11-11-11, 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			4	4	Asphalt has random wide cracks. Wide cracks over girder lines. Wide cracks over piers.
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		Yes			
Deck Top			N	N	
Deck Rideability			5	5	
Deck Joints			N	N	Covered with asphalt.
Bump (Y/N)		Yes			
Deck Drainage			5	5	No deck drains.
Drains Clogged (Y/N)		No			
Curbs/Median			5	5	Spall @ top of curb over NE pier.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			4	4	1 bolt missing for tube exp, south side over east pier. -photo
(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			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	1	0	
Now					
Girders			2	4	Typical diagonal cracks @ ends of curb girders & some interior hairline < 0.5 m. Underside of girders are stained at connectors. S3G1 has chip on fascia. S1G9 has been patched.-photo S3G1 spall, 2 exposed, corroding strands. S2G9, S3G9 spall at curb level. S3G1, S2G9 S1G9 hairline ck runs full length on girder underside. Span 2 viewed from banks. S1G3 hairline crack 8.5m long on underside of girder. Stops 1m shy of P1.-photo
Last Complete Inspection Date		23-Mar-2010			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		1			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 27)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			2	4	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : N)					File tags missing.	
(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) : 450)						
Backwalls/Breastwalls		5	5	Staining from leaking joint.		
Greatest Height (m)		1.00				
Wingwalls		7	7			
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	100	0	0	0		
Now	100	0	0	0		
Piles		N	N			
Paint/Coating		X	X			
Abutment Stability		8	5			
Scour/Erosion		4	4	West headslope has settled 150mm.		
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)	West pier cap has spall South end & delam North end.- photo	
Last						
Now						
Bearing Seats/Caps/Corbels		4	4			
(Type : CONCRETE)					Too high to measure.	
(Depth(mm) :)						
(Width(mm) :)						
(Total Number of Bearing Piles : 6:6)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Pier Shaft/Piles		6	6			
Greatest Height (m)		5.40				
Bracing/Struts/Sheathing		7	7			
Nose Plate		X	X			

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Paint/Coating		4	4	Corroding at water line. No paint 1.0m above waterline.
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		6	6	
Debris (Y/N)	No			
Substructure General Rating		4	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				Beaver dam 5m U/S.
(D/S Direction : S)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)	5.0			HWM not visible.
Drift (Y/N)	Yes			
Slope Protection		5	5	
(Type : RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		5	5	

Next Inspection Date	08-Aug-2013	Previous Inspection Date	23-Mar-2010
Inspection Cycle (Default) (months)	21		
Comment			