

Bridge Inspection							
Bridge File Number	71630 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1959/1959			Lot No.	4		
Bridge or Town Name	CALAIS			Inspector Name	Russel Vanderschaaf		
Located Over	TRIBUTARY TO STURGEON CREEK, 8.10.58.7.23.7, WATERCRS-ST			Inspector Class	BR CLS B		
Located On	LOCAL ROAD			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	02-Mar-2010		
Legal Land Location	NW SEC 23 TWP 70 RGE 24 W5M			Data Entry By	Theresa Lacusta		
Longitude, Latitude	-117:33:21, 55:04:48			Data Entry Date	26-Mar-2010		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Arnold Assenheimer		
Contract Main. Area	CMA03			Review Date	24-Mar-2010		
Clear Roadway/Skew	11 /			Dept. Reviewer Name	Steve Pasquan		
AADT/Year	100 / 1989 (E)			Dept. Review Date	19-Aug-2010		
Road Classification	RLU-209-110			Follow-Up By			
Detour Length (km)	10						
Allowable Load (t):	Single	CS1 28 GIRDER	Semi	CS2 49 GIRDER	Train	CS3 62 GIRDER	----> On Critical Spans ---->Critical Member
Design Loading:	HS20						----> 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)	In Advance (Y/N)	At Bridge (Y/N)		
Posted:	Lane	WB	At Junction (Y/N)	In Advance (Y/N)	At Bridge (Y/N)		
Remarks							
Hazard Marker At Bridge (Y/N)							
Remarks							
Other Sign Types							

Utilities (Located at)			
Utility Attachments			
Telephone	NORTH SIDE OF ROAD.		Gas
Power	SOUTH SIDE OF ROAD. 1 o/h wire		Municipal
Others			Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Residence 50m west.
Vertical Alignment		7	7	
Roadway Width (m)	4.300			
Approach Bump		7	7	
Guardrail (Y/N)	Yes			Insufficient length and number of posts.
Guardrail		5	5	
Length (m)	11.400			
Current Standard (Y/N)	No			
Termination Type	TURNDOWN			
Drainage		7	7	
Approach Road General Rating		7	7	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PG, 1 Spans, Lengths(m): 8.5, 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				9	8
(Material Type : CONCRETE)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)					
Deck Top				N	
Deck Rideability			7	7	
Deck Joints			N	N	
Bump (Y/N)					
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			6	6	Some grader scrapes.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			7	7	Steel guardrail
(Type : FLEX BEAM)					
Bridge Rail Posts			7	7	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			6	4	
(Type : PAINT)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders			N	4	S1 G2,6,7,10 wide longitudinal crack on both legs in AZ. Sound concrete above rebar.
Last Complete Inspection Date		02-Mar-2010			
Cracking (Y/N)		Yes			S1G10 also has spall on 1 leg.-photo
Spalling (Percent Area)		15			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : 11)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			7	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 : 3:3)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels				N	5	
(Type : TREATED TIMBER)						
(Depth(mm) : 300)						
(Width(mm) : 300)						
Backwalls/Breastwalls				N	7	
Greatest Height (m)		0.87				
Wingwalls				7	7	
(Total Number of Bearing Piles : 8:8)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Piles				N	5	
Paint/Coating				X	X	
Abutment Stability				7	5	
Scour/Erosion				N	7	
Piers/Bents						
(Type :)						
(Total Number of Caps/Corbels :)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
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)		
Last						
Now						
Pier Shaft/Piles				X	X	
Greatest Height (m)						
Bracing/Struts/Sheathing				X	6	Six struts
Nose Plate				X	X	
Paint/Coating				X	X	
(Colour Description :)						
(Colour Code :)						
Pier Stability				X	X	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		7	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		X	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				No HWM visible
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		X	X	
(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) (%)	77.0/50.0	Sufficiency Rating (Last/Now) (%)	67.4/66.1	Est. Repl. Yr	2029	Maint. Req. (Y/N)	No
Special Comments for Next Inspection	Monitor longitudinal cracks on 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	Colin Roy		Previous Assistant's Name				
Next Inspection Date	02-Dec-2014		Previous Inspection Date	20-Apr-2004			
Inspection Cycle (Default) (months)	57						
Comment							