

Bridge Inspection							
Bridge File Number	07423 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1964/1964			Lot No.	2		
Bridge or Town Name	CALAIS			Inspector Name	Russel Vanderschaaf		
Located Over	GOOSE CREEK, 8.10.58.7.23.5, 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	NE SEC 13 TWP 70 RGE 24 W5M			Data Entry By	Theresa Lacusta		
Longitude, Latitude	-117:31:17, 55:03:55			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	9.5 /			Dept. Reviewer Name	Steve Pasquan		
AADT/Year				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 65 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 UTILITIES-PHONE LINE		
Telephone			Gas
Power			Municipal
Others			Problem (Y/N)
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		6	6	Curve Crest 300m west.
Vertical Alignment		6	6	
Roadway Width (m)	11.000			Insufficient length and number of posts.
Approach Bump		7	7	
Guardrail (Y/N)	Yes			
Guardrail		5	5	
Length (m)	11.400			
Current Standard (Y/N)	No			
Termination Type	TURNDOWN ENDS			
Drainage		7	4	Loss of fill behind SE wingwall.-photo
Approach Road General Rating		6	6	

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : HC, 3 Spans, Lengths(m): 6.1-8.5-6.1, 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)		No				
Deck Drainage			7	7		
Drains Clogged (Y/N)		No				
Curbs/Median			7	7		
(Curb Type : Standard)						
Scaling (Percent Area)		2				
Bridge Rail			6	6	Span 2 girder has spall within AZ and wide cracks in the other leg.-20-Sep-2009	
(Type : GALVANIZED STEEL FLEX BEAM)						
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						
Now	11	0	0	0		
Girders			3	4	Could no inspect span 2 due to water/ice.	
Last Complete Inspection Date					Span 2 girder has spall within AZ and wide cracks in the other leg.-20-Sep-2009	
Cracking (Y/N)		Yes				
Spalling (Percent Area)		5			S1 G3 7& 9 and S3 G5,6,7 have wide lingitudinal crack in AZ with sound concrete above rebar.-photo	
Lift or Connector Pocket Grouted (Y/N)						
(Number Of Girders : 33)					Graffiti on E and W curbs.	
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 : 3:3)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels				7	7	
(Type : TREATED TIMBER)						
(Depth(mm) :)						
(Width(mm) :)						
Backwalls/Breastwalls				7	4	North and outh backwall planks not low enough.-photo
Greatest Height (m)		2.40				
Wingwalls				6	4	SE wingwall
(Total Number of Bearing Piles : 8:8)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Piles				6	6	
Paint/Coating				X	X	
Abutment Stability				5	5	
Scour/Erosion				5	5	
Piers/Bents						
(Type : PIER-COLUMN)						
(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				7	7	
(Type : TREATED TIMBER)						
(Depth(mm) : 300)						
(Width(mm) : 300)						
(Total Number of Bearing Piles : 8:8)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Pier Shaft/Piles				6	6	
Greatest Height (m)		2.30				
Bracing/Struts/Sheathing				6	6	
Nose Plate				X	X	
Paint/Coating				X	X	
(Colour Description :)						
(Colour Code :)						
Pier Stability				6	6	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		7	7	
Debris (Y/N)	Yes			
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				
(D/S Direction : W)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				No HWM visible
Drift (Y/N)	No			
Slope Protection		5	5	
(Type : 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	2010	ADVISE TELUS ABOUT CABLE					
OTHER ACTION	2010	Fix drainage by SE wingwall.					
OTHER ACTION	2010	Lower backwall sheeting on both abutments.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	44.0/50.0	Sufficiency Rating (Last/Now) (%)	64.1/62.6	Est. Repl. Yr	2014	Maint. Req'd. (Y/N)	Yes
Special Comments for Next Inspection	Monitor girder cracking.		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	Name Unknown		Previous Assistant's Name				
Next Inspection Date	02-Dec-2014		Previous Inspection Date	20-Sep-2004			
Inspection Cycle (Default) (months)	57						
Comment							