

Bridge Inspection									
Bridge File Number	74307 W-1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1984/1984				Lot No.	4			
Bridge or Town Name	CALAIS				Inspector Name	Brian Pientsch			
Located Over	GOOSE CREEK, 8.10.58.7.23.5, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	43:06 C1 35.871				Assistant Name	Russel Vanderschaaf			
Water Body Cl./Year					Assistant Class	BR CLS B			
Navigabil. Cl./Year					Inspection Date	03-Dec-2012			
Legal Land Location	NW SEC 13 TWP 70 RGE 24 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-117:31:22, 55:03:41				Data Entry Date	08-Jan-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA03				Review Date	19-Dec-2012			
Clear Roadway/Skew	13.3 / 10 deg. (RHF)				Dept. Reviewer Name	David Morrison			
AADT/Year	5,020 / 2011 (A)				Dept. Review Date	21-Mar-2013			
Road Classification	RAU-213.4-120				Follow-Up By				
Detour Length (km)	3								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49					
Design Loading:	MS300						----> 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 REQUIRED.								
Hazard Marker At Bridge (Y/N)	No								
Remarks	Not required.								
Other Sign Types	Goose creek								

Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone	N. edge of r/w.				Gas	S. edge of r/w.			
Power	7 line south r/w.				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Access road 40m from SW corner.				
Vertical Alignment			8	8					
Roadway Width (m)	13.000								
Approach Bump			7	7					
Guardrail (Y/N)	Yes				(Insufficient posts and length. Missing nut SW corner by bridge.)				
Guardrail			4	N	Snow covered				
Length (m)	32.000								
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN								
Drainage			7	7					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SMC, 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 (%)	Partly snow covered.
Last	20	0	0	0	
Now	60.0				
Wearing Surface			7	7	
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			X	X	
Bump (Y/N)		No			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			5	N	(Rust staining & narrow vertical cracks on outside fascia at post locations. 100 x 50mm minor spall N curb W side S curb E & W sides. -10-Feb-2011)
(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			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders			5	5	Rust stains at 200 mm diameter round deck drains. Typical "SM" cracks S1G1,2
Last Complete Inspection Date		03-Dec-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : 36)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			5	5	

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) : 675)						
Backwalls/Breastwalls				X	X	
Greatest Height (m)		1.06				
Wingwalls				N	N	At SW wingwall fill has settled 350 mm.-05-May-2009 Snow covered. Slump @ NW wing.-05-May-2009
(Total Number of Bearing Piles : 11:11)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	22	0	0	0		
Now	22	0	0	0		
Piles				N	N	
Paint/Coating				7	7	Grey pigmented sealer
Abutment Stability				N	N	
Scour/Erosion				N	N	At SW wingwall fill has settled 350mm-05-May-2009 Slump @ NW wing.-05-May-2009 Snow covered.
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)		
Last						
Now						
Bearing Seats/Caps/Corbels				7	7	
(Type : CONCRETE)						
(Depth(mm) : 700)						
(Width(mm) : 600)						
(Total Number of Bearing Piles : 6:6)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Pier Shaft/Piles				7	7	
Greatest Height (m)		4.50				
Bracing/Struts/Sheathing				8	8	
Nose Plate				X	X	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Paint/Coating		4	4	Paint peeling and rust at waterline.
(Colour Description :)				
(Colour Code :)				brown
Pier Stability		8	8	
Scour		8	8	
Debris (Y/N)	Yes			Old piles in SB
Substructure General Rating		5	7	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		9	9	
Bank Stability		N	N	Slump at NW & SW corner of bridge. Snow covered.
HWM (m below Top of Curb)	3.0			(HWM 1994/11/18)
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	9	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		4	4	GR carried over 05-May-2009

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) (%)	55.6/66.7	Sufficiency Rating (Last/Now) (%)	55.8/59.2	Est. Repl. Yr	2044	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	Brian Pientsch		Previous Assistant's Name	Russel Vanderschaaf			
Next Inspection Date	03-Sep-2014		Previous Inspection Date	10-Feb-2011			
Inspection Cycle (Default) (months)	21						
Comment							