

Bridge Inspection							
Bridge File Number	77579 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1965/1965			Lot No.	2		
Bridge or Town Name	CAROLINE			Inspector Name	Owen Salava		
Located Over	SEVEN MILE CREEK, 6.159.17, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	734:14 C1 35.538			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	30-Nov-2010		
Legal Land Location	NW SEC 16 TWP 35 RGE 10 W5M			Data Entry By	Marcia Chavez		
Longitude, Latitude	-115:22:43, 52:00:42			Data Entry Date	03-Jan-2011		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	John O'Brien		
Contract Main. Area	CMA18			Review Date	16-Dec-2010		
Clear Roadway/Skew	6.4 / 0 deg.			Dept. Reviewer Name	Chris Black		
AADT/Year	90 / 2009 (A)			Dept. Review Date	05-Jan-2011		
Road Classification	RCU-208G-90			Follow-Up By			
Detour Length (km)	150						
Allowable Load (t):	Single	CS1 30 GIRDER	Semi	CS2 52 GIRDER	Train	CS3 75 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	NB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No
Posted:	Lane	SB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No
Remarks	Not required.							
Hazard Marker At Bridge (Y/N)	Yes							
Remarks	Too high & offline.							
Other Sign Types	Gradual right curve sign to the West.							

Utilities (Located at)			
Utility Attachments			
Telephone			Gas
Power			Municipal
Others			Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		5	5	Curve both ends. Gradual hill 100m North.
Vertical Alignment		5	5	
Roadway Width (m)	7.000			
Approach Bump		6	6	
Guardrail (Y/N)	No			
Guardrail		X	X	
Length (m)				
Current Standard (Y/N)	No			
Termination Type	NONE			
Drainage		7	7	
Approach Road General Rating		5	5	

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : HC, 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	100.0	0.0	0.0	0.0		
Wearing Surface			X	X		
(Material Type :)						
(Thickness(mm) :)						
Lateral Connection Problem (Y/N)		Yes				
Deck Top			N	N	Deck top snow covered.	
Deck Rideability			7	7		
Deck Joints			N	N	Buffer angles - covered by snow.	
Bump (Y/N)						
Deck Drainage			5	N	(Hampered by gravel buildup on deck. 23Nov2005).	
Drains Clogged (Y/N)		No				
Curbs/Median			4	N	(SW corner spalled exposed rebar - photo. 23Nov2005). Snow covered.	
(Curb Type : Standard)						
Scaling (Percent Area)		10				
Bridge Rail			4	5	Single layer with short splice & improper lap -photo.	
(Type : GALVANIZED STEEL FLEX BEAM)						
Bridge Rail Posts			7	7	20% failed & rusting.	
(Type : POST STEEL;POST STEEL)						
Bridge Rail/Posts Coating			4	7		
(Type : PAINT)						
Sidewalk			X	X		
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Girders			N	6	Drift spalls many locations.	
Last Complete Inspection Date		30-Nov-2010				
Cracking (Y/N)		No				
Spalling (Percent Area)		0			Not visible.	
Lift or Connector Pocket Grouted (Y/N)						
(Number Of Girders : 8)						
Span Alignment Problems						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				
Superstructure General Rating			6	6		

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) :)						
(Total Number of Caps/Corbels : 1:1)				A1 cap rolling slightly at SW corner (photo).		
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				6	5	
(Type : TREATED TIMBER)						
(Depth(mm) : 305)						
(Width(mm) : 305)						
Backwalls/Breastwalls				4	5	
Greatest Height (m)		2.50				
Wingwalls				7	7	
(Total Number of Bearing Piles : 5:5)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Piles				N	5	
Paint/Coating				X	X	
Abutment Stability				7	7	
Scour/Erosion				N	N	
Ice covered.						
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	X	
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		4	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				Under water.
(D/S Direction : E)				
Alignment		4	6	
Bank Stability		5	5	
HWM (m below Top of Curb)				(0.6m under bridge evident by silt deposit at SE bank. Unknown date). HWM not visible.
Drift (Y/N)	Yes			
Slope Protection		N	N	Under ice.
(Type :)				
Guidebank/Spurs		X	X	
Adequacy of Opening		5	5	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		4	5	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2011	Upgrade to double layer to meet standard.					
SEAL CURBS							
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING	2011	Remove gravel from deck, if not done.					
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	2011	Install approach rail.					
OTHER ACTION	2011	Reinstall hazard markers to meet standard.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	55.6/61.1	Sufficiency Rating (Last/Now) (%)	61.8/64.2	Est. Repl. Yr	2020	Maint. Req'd. (Y/N)	Yes
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	Dave Lam		Previous Assistant's Name				
Next Inspection Date	28-Feb-2014		Previous Inspection Date	23-Nov-2005			
Inspection Cycle (Default) (months)	39						
Comment							