

Bridge Inspection									
Bridge File Number	13576 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1982/1982				Lot No.	2			
Bridge or Town Name	ROCHESTER				Inspector Name	Todd Warshawski			
Located Over	BOLLOQUE CREEK, 8.11.84.15.1, WATERCRS-ST				Inspector Class	BR CLS B			
Located On	661:08 C1 6.316				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	27-May-2010			
Legal Land Location	NE SEC 12 TWP 62 RGE 26 W4M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-113:45:15, 54:21:18				Data Entry Date	21-Jun-2010			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer			
Contract Main. Area	CMA10				Review Date	09-Jun-2010			
Clear Roadway/Skew	10 /				Dept. Reviewer Name	Brent Herrick			
AADT/Year	300 / 2009 (A)				Dept. Review Date	29-Jun-2010			
Road Classification	RCU-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 required.								
Hazard Marker At Bridge (Y/N)	No								
Remarks									
Other Sign Types	Curve.								
Utilities (Located at)									
Utility Attachments									
Telephone	South r/w.				Gas				
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	5	In the centre of a horizontal curve, limited sight lines.				
Vertical Alignment			8	8	No visible problems.				
Roadway Width (m)	10.000				Bump on East end.				
Approach Bump			6	5					
Guardrail (Y/N)	Yes				Minor damage NE-still functional.				
Guardrail			6	3	Missing 16 splice bolts. Improper connection at bridge. Insufficient posts.				
Length (m)	23.000								
Current Standard (Y/N)	No								
Termination Type	Turned Down								
Drainage			7	7					
Approach Road General Rating			6	5					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SM, 1 Spans, Lengths(m): 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	Longitudinal & map cracking in wearing surface - photo.
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		Yes			
Deck Top			N	N	
Deck Rideability			7	6	
Deck Joints			N	N	Asphalt covered. Bump on East end.
Bump (Y/N)		No			
Deck Drainage			N	7	Superelevated.No deck drains.
Drains Clogged (Y/N)					
Curbs/Median			4	4	Surface spalls South curb and fascia.
(Curb Type : Standard)					
Scaling (Percent Area)		10			
Bridge Rail			7	7	Torch cut holes in 4 posts.
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			4	4	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			6	5	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last				1	
Now	0	0	1	0	
Girders			3	2	Hairline longitudinal crack on G1 near center of girder. Holes in G1 fascia-void and stressing cables exposed.
Last Complete Inspection Date		27-May-2010			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : 9)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			3	2	

Substructure						
Bridge Component			Last	Now	Explanation of Condition	
Abutments						
(Extended Backwall Piles (Y/N) : Y)			2 ext piles - part of wingwall.			
(Extended Backwall Piles Spacing(mm) : 1200)						
(Total Number of Caps/Corbels : 3:3)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)	East cap rolling due to backwall pushing in.	
Last						
Now						
Bearing Seats/Caps/Corbels			4	4		
(Type : TREATED TIMBER)						
(Depth(mm) : 356)						
(Width(mm) : 305)						
Backwalls/Breastwalls			5	4	Backwalls pushing in approx. 100mm at top.	
Greatest Height (m)		2.50				
Wingwalls			4	4	Loose planks on NE wingwall.	
(Total Number of Bearing Piles : 10:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)	Reduced bearing due to backwall movement.	
Last						
Now						
Piles			6	5		
Paint/Coating			X	X		
Abutment Stability			5	4		
Scour/Erosion			N	6		
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)	Yes			Beaver dam access creek under bridge.
Substructure General Rating		4	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				Stream meanders, 90 degree bend U/S & D/S.
(D/S Direction : S)				
Alignment		5	5	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible. Beaver dam access, creek under bridge.
Drift (Y/N)	Yes			
Slope Protection		6	6	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		5	5	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2010	Adjust approach rail connections.					
SEAL CURBS							
PATCH DECK	2010	Crack repairs, seal coat					
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS	2010	Shim piles					
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION	2010	Beaverdam					
INSTALL STRUTS							
OTHER ACTION	2010	Replace G1					
OTHER ACTION	2010	Reattach loose wingwall planks to pile.					
OTHER ACTION	2010	Replace hazard markers.					
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	38.9/33.3	Sufficiency Rating (Last/Now) (%)	57.4/53.9	Est. Repl. Yr	2029	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor cap rotation and backwall movement. LRA issued for girders-June 8, 2010		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	27-Aug-2013		Previous Inspection Date	27-Feb-2007			
Inspection Cycle (Default) (months)	39						
Comment							