

Bridge Inspection									
Bridge File Number	70852 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1983/1983				Lot No.	2			
Bridge or Town Name	ROCHESTER				Inspector Name	Todd Warshawski			
Located Over	STONY CREEK, 8.11.68.27, WATERCRS-ST				Inspector Class	BR CLS B			
Located On	661:10 C1 11.550				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	23-Jul-2010			
Legal Land Location	SE SEC 15 TWP 62 RGE 23 W4M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-113:21:38, 54:21:21				Data Entry Date	16-Aug-2010			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer			
Contract Main. Area	CMA10				Review Date	26-Jul-2010			
Clear Roadway/Skew	10 /				Dept. Reviewer Name	Brent Herrick			
AADT/Year	210 / 2009 (A)				Dept. Review Date	26-Aug-2010			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	10								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	MS23						----> 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)	Yes								
Remarks	Not to standard height. 400mm to low.								
Other Sign Types									

Utilities (Located at)									
Utility Attachments									
Telephone	South r/w				Gas				
Power	1 wire 30m North c/l.				Municipal				
Others					Problem (Y/N)	Yes			
Remarks	Utility voids on curb girders are exposed-photo								

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Residential access to West. Curve to East.				
Vertical Alignment			7	7					
Roadway Width (m)	10.300				Strike damage/broken post on NW approach.				
Approach Bump			4	7					
Guardrail (Y/N)	Yes								
Guardrail			6	3					
Length (m)	45.600								
Current Standard (Y/N)	Yes								
Termination Type	Turned Down								
Drainage			7	7					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SM, 1 Spans, Lengths(m): 6, 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			X	8	
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)					
Deck Top			4	N	
Deck Rideability			6	8	
Deck Joints			N	N	Paved over.
Bump (Y/N)		No			
Deck Drainage			5	6	No deck drains.
Drains Clogged (Y/N)					
Curbs/Median			N	6	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			4	8	New W beam bolted to existing posts with spacer blocks.
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			N	8	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type : GALVANIZED)					
Sidewalk			X	7	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders			5	5	HL longitudinal crack in center of girder underside G2, 3, 7 & 8. Longitudinal HL crack outside curb girders, 250mm from bottom. Rust staining from connector pockets on all girders isolated rust patches (25mm x 25mm) from stirrup or chair. Voids exposed on curb girders.
Last Complete Inspection Date		23-Jul-2010			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 9)					
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) : Y)								
(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 not centered over subcap. Steel bearing plates between caps & piles. Plywood shims @ several locations.			
Last								
Now								
Bearing Seats/Caps/Corbels				6			5	
(Type : TREATED TIMBER)								
(Depth(mm) : 300)								
(Width(mm) : 350)								
Backwalls/Breastwalls								
			7	6				
Greatest Height (m)		2.80						
Wingwalls								
			6	6	All piles are strutted. A2P10 vertically split. End of strut crushing pile at top - photos.			
(Total Number of Bearing Piles : 10:10)								
Piles Detail Ratings								
	N (count)	1 (count)	2 (count)	3 (count)				
Last				1				
Now	0	0	0	1				
Piles				3	3			
Paint/Coating				X	X			
Abutment Stability				7	7			
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)	150x200 struts			
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	6			
Greatest Height (m)								
Bracing/Struts/Sheathing				4	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		3	3	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				
(D/S Direction : S)				
Alignment		5	5	90 degree bend to South.
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		N	6	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(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	Replace 1 wooden post on NW approach.					
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	Post P10 on AB 2					
OTHER ACTION	2010	Reinstall hazard markers to standard height & location.					
OTHER ACTION	2010	Seal off utility voids on curb girders.					
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	44.4/44.4	Sufficiency Rating (Last/Now) (%)	58.9/59.8	Est. Repl. Yr	2030	Maint. Req. (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	23-Oct-2013		Previous Inspection Date	27-Feb-2007			
Inspection Cycle (Default) (months)	39						
Comment							