

Bridge Inspection									
Bridge File Number	07820 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1975/1975				Lot No.	1			
Bridge or Town Name	MONITOR				Inspector Name	Owen Salava			
Located Over	TRIBUTARY TO SOUNDING CREEK, 4.4.3, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	41:12 C1 58.118				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	19-Jul-2012			
Legal Land Location	NW SEC 10 TWP 34 RGE 4 W4M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-110:30:04, 51:54:22				Data Entry Date	01-Aug-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	CMA22				Review Date	31-Jul-2012			
Clear Roadway/Skew	13.7 /				Dept. Reviewer Name	Andrew Smikles			
AADT/Year	570 / 2011 (A)				Dept. Review Date	02-Aug-2012			
Road Classification	RAU-211.8-110				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:	HS25						----> 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)	No								
Remarks	Not required.								
Other Sign Types									

Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power	4 wire 32m East of c/l. (Along fence line).				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			8	8					
Vertical Alignment			8	8					
Roadway Width (m)	11.600								
Approach Bump			7	7					
Guardrail (Y/N)	Yes				Small tear in NE rail.				
Guardrail			5	5					
Length (m)	12.000				Insufficient posts & too short.				
Current Standard (Y/N)	No								
Termination Type	Turned Down								
Drainage			N	7					
Approach Road General Rating			8	8					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : VS, 1 Spans, Lengths(m): 10.7, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	30	0	0	0	
Now	0.0	0.0	0.0	0.0	
Wearing Surface			6	6	Asphalt stops 600mm to 1100mm from curb.
(Material Type : ACP)					
(Thickness(mm) : 75)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	ACP covered.
Deck Rideability			7	7	
Deck Joints			N	N	Asphalt covered.
Bump (Y/N)		No			
Deck Drainage			N	7	No drains.
Drains Clogged (Y/N)					
Curbs/Median			N	6	Damaged @ corners by plow, minor. Cracking on curb fascia, minor.
(Curb Type : Standard)					
Scaling (Percent Area)		1			
Bridge Rail			4	4	Single layer. Missing 8 splice bolts.
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts		N	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	0	0	0	2	
Now	0	0	0	2	
Girders			3	3	G1, G12 diag. cracks approx 0.5m, minor staining - photos. 12 girders have hairline longit. cracks predominantly down c/l. Connector staining.
Last Complete Inspection Date		19-Jul-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 12)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			3	3	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 1300)						
(Total Number of Caps/Corbels : 5:5)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				4	4	
(Type : STEEL)						
(Depth(mm) : 600)						
(Width(mm) : 300)						
Backwalls/Breastwalls			6	6		
Greatest Height (m)		2.90				
Wingwalls			N	6		
(Total Number of Bearing Piles : 13:13)				A1P5 not bearing 50mm.		
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Piles				4	4	
Paint/Coating			8	8		
Abutment Stability				5	5	
Scour/Erosion			7	7		
1m deep excavation hole under bridge, abuts ripped.						
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 :)						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		4	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				Meandering.
(D/S Direction : E)				
Alignment		7	7	
Bank Stability		N	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		6	6	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		6	6	Excavated channel under bridge, low point of stream.
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		6	6	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012	Install 8 splice bolts.					
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	2012	Place shims at A1P5.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	38.9/38.9	Sufficiency Rating (Last/Now) (%)	56.4/57.0	Est. Repl. Yr	2024	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor possible A1 movement at pile 5. Monitor girders for now.		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	Jason Saly		Previous Assistant's Name				
Next Inspection Date	19-Apr-2014		Previous Inspection Date	08-Mar-2011			
Inspection Cycle (Default) (months)	21						
Comment							