

Bridge Inspection									
Bridge File Number	07825 -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	2ND ORDER TRIBUTARY TO SOUNDING CREEK, 4.4.3.1, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	41:12 C1 56.014				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	19-Jul-2012			
Legal Land Location	SW SEC 3 TWP 34 RGE 4 W4M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-110:30:04, 51:53:14				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)	13								
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	No posting required.								
Hazard Marker At Bridge (Y/N)	No								
Remarks	Not required.								
Other Sign Types									
Utilities (Located at)									
Utility Attachments									
Telephone					Gas	Crossing 400m South.			
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	Insufficient length, post spacing.				
Vertical Alignment			8	8					
Roadway Width (m)	11.500								
Approach Bump			7	7					
Guardrail (Y/N)	Yes								
Guardrail			N	7					
Length (m)	30.000								
Current Standard (Y/N)	No								
Termination Type	Turn 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): 9.1, 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			7	7	Stops 1000mm from curb @ W, 600mm @ E.
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	ACP covered.
Deck Rideability			8	8	
Deck Joints			N	N	ACP covered.
Bump (Y/N)		No			
Deck Drainage			N	6	No deck drains.
Drains Clogged (Y/N)					
Curbs/Median			N	6	Plow damage @ corners, minor. Map cracking.
(Curb Type : Standard)					
Scaling (Percent Area)		1			
Bridge Rail			5	5	Single layer. 2 post to rail bolts are non-standard square and hex head.
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts		N	5		
(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	2	0	
Girders			3	2	G1, G12 diag. ck >0.5m with staining; G12 has corrosion staining & crack is not continuous. 12/12 girders have longit. hairline cracks down c/l from end. 2/12 girder curb units have narrow cracks predominantly in middle portion. G7 has wide longit. crack with no rust stains on underside. Appears in line with void - photo. G1, G12 diag.cracks @ abut 0.75m.
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	2	

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				8	8
(Type : STEEL)					
(Depth(mm) : 600)					
(Width(mm) : 300)					
Backwalls/Breastwalls				6	6
Greatest Height (m)		2.60			
Wingwalls				N	6
(Total Number of Bearing Piles : 13:13)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Piles				7	7
Paint/Coating				7	7
Galvanized caps.					
Abutment Stability				6	6
Minor bulge @ A2.					
Scour/Erosion				N	5
Localized scour 0.8m deep under bridge along center of channel.					
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		6	6	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		7	7	
Bank Stability		N	7	Poorly defined channel.
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		6	6	Class I riprap @ bridge.
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(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	2016	Double rail, replace non-standard post 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	Repair or replace r=2 girders.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	50.0/44.4	Sufficiency Rating (Last/Now) (%)	60.5/58.7	Est. Repl. Yr	2025	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Continue to monitor G7 crack & diagonal cracks at curbs. LRA emailed to Donald Saunders 31Jul2012.		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							