

Bridge Inspection									
Bridge File Number	01426 S-3 Bridge				Form Type	SG			
Year Built/Year Supstr	2008/2008				Lot No.	3			
Bridge or Town Name					Inspector Name	Jason Rusu			
Located Over	MILK RIVER, 1, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	4:02 L1 19.613				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	23-Mar-2013			
Legal Land Location	NE SEC 21 TWP 2 RGE 16 W4M				Data Entry By	Lauren Korte			
Longitude, Latitude	-112:04:60, 49:08:35				Data Entry Date	11-Apr-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts			
Contract Main. Area	CMA24				Review Date	07-Apr-2013			
Clear Roadway/Skew	13 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	2,260 / 2012 (A)				Dept. Review Date	22-Apr-2013			
Road Classification	RFD-412.4-130				Follow-Up By				
Detour Length (km)	1								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	CL800						----> Primary Span		

Posting Information									
Required Load Posting (t)	Single		Semi		Truck Train				
Posted Loading (t)	Single		Semi		Truck Train				
Posted:	Lane	WB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	EB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Remarks	Not req.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types	Milk River								

Utilities (Located at)									
Utility Attachments									
Telephone	Temp. line under South abut.				Gas	West Row			
Power	SW Row				Municipal				
Others	Overhead lighting				Problem (Y/N)	No			
Remarks									

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		7	7	Missing 1 nut at SE thrie beam transition plate, and 2 bolts at SE thriebeam splice. 15m at north end					
Vertical Alignment		8	8						
Roadway Width (m)	14.000								
Approach Bump		7	7						
Guardrail (Y/N)		Yes							
Guardrail		3	3						
Length (m)		110.000							
Current Standard (Y/N)		Yes							
Termination Type		Turn down							
Drainage		8	8						
Approach Road General Rating		7	7						

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : WG, 2 Spans, Lengths(m): 35-35, A-Ident Number:)						
Special Features						
Special Feature						
(Type :)						
Special Feature						
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
Last	0	0	0	0		
Now	0.0	0.0	0.0	0.0		
Wearing Surface			7	7	Transverse and longitudinal cracking.	
(Material Type : CONCRETE)						
(Thickness(mm) : 200)						
Deck Top			7	7	Wearing surface is deck top	
Deck Rideability			8	8		
Deck Joints			X	X	Construction joint gaps	
Temperature (deg. C)		-5				
(Expansion Type :)						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
15		S. Abut				
20		N. Abut				
Deck Drainage			7	7	No deck drains. On grade to north	
Drains Clogged (Y/N)		No				
Curbs/Median			8	8	Isolated cracks at 1.0m intervals at curb soffits. BM hub at NE	
(Curb Type : Standard)						
Scaling (Percent Area)		0				
Bridge Rail			9	9		
(Type : GALVANIZED STEEL BRIDGE TUBE)						
Bridge Rail Posts			3	9		
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating			8	8		
(Type : GALVANIZED)						
Sidewalk			X	X		
Girder/Beam						
Cover Plate			X	X		
Flange			9	9		
Web			9	9		
Stiffeners			9	9		
Splice			9	9		
Weld			9	9		
Diaphragms/Cross Frame			9	9		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : WG, 2 Spans, Lengths(m): 35-35, A-Ident Number:)				
Paint Condition		X	X	Weathering steel
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings		9	9	At piers. Integral at abuts
Temperature (deg. C)	-5			
(Expansion Type :)				
(Fixed Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	Isolated transverse cracks with efflorescence.
Stains (Percent Area)	1			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		7	7	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		N	N	Integral abuts.
(Type : CONCRETE)				
Backwalls/Breastwalls		9	9	Vertical H/L cracks
Wingwalls		9	9	
Piles		N	N	Buried
Paint/Coating		8	8	
Abutment Stability		9	9	
Scour/Erosion		9	9	
Piers/Bents				
(Type : PIER-SOLID)				massive piers
Bearing Seats/Caps		9	9	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0)				
Pier Shaft/Piles		9	9	
Bracing/Struts/Sheathing		X	X	
Nose Plate		9	9	
Paint/Coating		8	8	Galvanized nose plate.
(Colour Description :)				
(Colour Code :)				
Pier Stability		9	9	
Scour		8	8	
Debris (Y/N)	No			

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		9	9	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		8	8	
Bank Stability		8	8	
HWM (m below Top of Curb)				No visible HWM
Drift (Y/N)	No			
Slope Protection		8	8	
(Type : RIP RAP; RIP RAP)				Class 1
Guidebank/Spurs		8	8	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		8	8	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2013	Install 1 thriebeam nut, and 2 splice bolts.					
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	88.9/88.9	Sufficiency Rating (Last/Now) (%)	74.5/77.7	Est. Repl. Yr	2083	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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	23-Dec-2014		Previous Inspection Date	17-Jun-2011			
Inspection Cycle (Default) (months)	21						
Comment							