

Bridge Inspection									
Bridge File Number	01426 N-2 Bridge				Form Type	SG			
Year Built/Year Supstr	2008/2008				Lot No.	4			
Bridge or Town Name					Inspector Name	Jason Rusu			
Located Over	MILK RIVER, 1, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	4:02 R1 19.478				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	-112:04:58, 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	South row				Municipal				
Others	Overhead lighting				Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7					
Vertical Alignment			8	8					
Roadway Width (m)	14.000								
Approach Bump			7	7					
Guardrail (Y/N)	Yes								
Guardrail			4	4	15m at North end Wrong lap at NE and NW				
Length (m)	110.000								
Current Standard (Y/N)	Yes								
Termination Type	Turn Down								
Drainage			7	7					
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	Isolated transverse and longitudinal cracking
(Material Type : CONCRETE)					
(Thickness(mm) : 200)					
Deck Top			7	7	W/S is deck top.
Deck Rideability			8	8	
Deck Joints			X	X	Integral sawcut construction joints.
Temperature (deg. C)		-5			
(Expansion Type :)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
15		South abut.			
15		Noth abut.			
Deck Drainage			8	8	On grade to North
Drains Clogged (Y/N)		No			
Curbs/Median			8	8	Isolated cracks with efflorescence at curb soffits.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			9	9	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			9	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			8	8	
Web			8	8	
Stiffeners			8	8	
Splice			8	8	
Weld			8	8	
Diaphragms/Cross Frame			8	8	

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		8	8	At pier. 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
Stains (Percent Area)	0			
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
(Type :)				
Backwalls/Breastwalls		9	9	
Wingwalls		9	9	
Piles		N	N	Buried
Paint/Coating		8	8	
Abutment Stability		9	9	
Scour/Erosion		9	9	
Piers/Bents				
(Type : PIER-SOLID)				
Bearing Seats/Caps		9	9	Massive pier
(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 Pigmented coating at pier
(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	Class 1
(Type : RIP RAP; RIP RAP)				
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						
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	2085	Maint. Req. (Y/N)	No
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Special Comments for Next Inspection		Department Comments	
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Maintenance Reviewed By		Date		Estimated Total	0
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Proposed Long-Term Strategy	
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On 3-Year Program (Y/N)	
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Proposed Action	
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Previous Inspector's Name	Garry Roberts	Previous Assistant's Name	
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Next Inspection Date	23-Dec-2014	Previous Inspection Date	17-Jun-2011
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Inspection Cycle (Default) (months)	21
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Comment	
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