

Bridge Inspection									
Bridge File Number	01426 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1958/1958				Lot No.	4			
Bridge or Town Name	MILK RIVER				Inspector Name	Jason Rusu			
Located Over	MILK RIVER, 1, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	501:06 C1 0.374				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	09-Jun-2012			
Legal Land Location	NE SEC 21 TWP 2 RGE 16 W4M				Data Entry By	Kelsey Roberts			
Longitude, Latitude	-112:04:55, 49:08:37				Data Entry Date	20-Jul-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts			
Contract Main. Area	CMA24				Review Date	10-Jul-2012			
Clear Roadway/Skew	13.4 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	1,130 / 2011 (A)				Dept. Review Date	30-Jul-2012			
Road Classification	RAU-213-130				Follow-Up By				
Detour Length (km)	23								
Allowable Load (t):	Single	CS1 35 GIRDER	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	HS20						----> 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	River I.D.								

Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE; POWER UTILITIES-POWER LINE								
Telephone	Conduit @ West r/w, and South abutment. Telus also West & East curb.				Gas				
Power	3 wires - 30m from c/l East.				Municipal				
Others	Light standards @ NW & SE. Environment shack @ SE.				Problem (Y/N)	No			
Remarks	Water level sensor attached to East Bridge Rail.								

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		5	5	In speed zone curves to South - 50 km/hr.					
Vertical Alignment		7	7						
Roadway Width (m)		13.400							
Approach Bump		7	7						
Guardrail (Y/N)		Yes							
Guardrail		5	5						
Length (m)		30.000		Not thriebeam					
Current Standard (Y/N)		No							
Termination Type		TURNED DOWN							
Drainage		7	7						
<b>Approach Road General Rating</b>		<b>5</b>	<b>5</b>						

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PO, 3 Spans, Lengths(m): 21.3-21.3-21.3, A-Ident Number: )					
<b>Special Features</b>					
Special Feature			X		
(Type : )					
Special Feature			X		
(Type : )					
<b>Wearing Surface/Deck Top Detail Ratings</b>					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0.0	0.0	0.0	0.0	
Wearing Surface			7	7	Some Pop outs
(Material Type : <b>CONCRETE</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			8	6	Rubber is drying out and cracking in center of gland.
Temperature (deg. C)		12			
(Expansion Type : )					
(Fixed Type : <b>GLAND (WABO-MAUER, TRANSFLEX, ETC)</b> )					
Gap Size (mm)		Gap Location			
80		South pier			
80		North pier			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			7	7	
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			7	7	Some minor spalling on 3 posts at West
(Type : <b>GALVANIZED STEEL VERTICAL BAR</b> )					
Bridge Rail Posts			7	5	
(Type : <b>CONCRETE;CONCRETE</b> )					
Bridge Rail/Posts Coating			7	6	
(Type : <b>GALVANIZED</b> )					
Sidewalk			7	7	
<b>Girder Detail Ratings</b>					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0	0	0	0	
Girders			7	7	
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
(Number Of Girders : <b>27</b> )					
Diaphragms/Cross Frame			7	7	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : PO, 3 Spans, Lengths(m): 21.3-21.3-21.3, A-Ident Number: )				
Bearings		6	6	Bearing re-habed. Neoprene pads @ North pier and South Pier. Plates @ abutments.
Temperature (deg. C)	12			
(Expansion Type : <b>SLIDING PLATE</b> )				
(Fixed Type : <b>REINFORCED PAD BEARING</b> )				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	
Stains (Percent Area)	0			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>7</b>	<b>7</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		6	6	
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls		7	7	
Wingwalls		7	7	
Piles		N	N	
Paint/Coating		X	X	
Abutment Stability		7	7	
Scour/Erosion		7	7	
<b>Piers/Bents</b>				
(Type : <b>PIER-SOLID</b> )				Wide crack @ both piers medium scaling @ piers.
Bearing Seats/Caps		5	5	
(Type : <b>CONCRETE</b> )				Water too deep to see scour.
(Total Number of Bearing Piles : <b>0:0</b> )				
Pier Shaft/Piles		5	5	
Bracing/Struts/Sheathing		X	X	
Nose Plate		6	6	100% superficial corrosion @ nose plate.
Paint/Coating		4	4	
(Colour Description : )				
(Colour Code : )				
Pier Stability		7	7	
Scour		N	N	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>5</b>	<b>5</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				((93 HWM- 2.4 m below bottom of girders - 930721) 950215) 981008)
(D/S Direction : <b>E</b> )				
Alignment		7	7	
Bank Stability		5	5	
HWM (m below Top of Curb)	4.0			
Drift (Y/N)	No			
Slope Protection		6	6	Some Class I @ South headslopes.
(Type : <b>RIP RAP; NATURAL</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>7</b>	<b>6</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>66.7/66.7</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>64.5/63.6</b>	Est. Repl. Yr	2025	Maint. Req. (Y/N)	No
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	Tom Carey		Previous Assistant's Name				
Next Inspection Date	09-Mar-2014		Previous Inspection Date	17-Oct-2007			
Inspection Cycle (Default) (months)	21						
Comment							