

Bridge Inspection										
Bridge File Number	72548 -1 Bridge				Form Type	PCS				
Year Built/Year Supstr	1990/1990				Lot No.	2				
Bridge or Town Name	MILLET				Inspector Name	Jason Saly				
Located Over	PIPESTONE CREEK, 5.47, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	2A:26 C1 12.222				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	24-Nov-2011				
Legal Land Location	SE SEC 29 TWP 47 RGE 24 W4M				Data Entry By	Marcia Chavez				
Longitude, Latitude	-113:27:57, 53:04:45				Data Entry Date	21-Dec-2011				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien				
Contract Main. Area	CMA17				Review Date	15-Dec-2011				
Clear Roadway/Skew	13.2 / -15 deg. (LHF)				Dept. Reviewer Name	Andrew Smikles				
AADT/Year	6,970 / 2010 (A)				Dept. Review Date	09-Jan-2012				
Road Classification	RAU-210-110				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:	CS750								----> 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	Creek ID.									
Utilities (Located at)										
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE									
Telephone	East r/w.				Gas					
Power					Municipal					
Others	6 wire 20m East of c/l - telecom.				Problem (Y/N)	No				
Remarks										
Approach Road										
			<b>Last</b>	<b>Now</b>	<b>Explanation of Condition</b>					
Horizontal Alignment			6	6	Curve North & South of bridge.					
Vertical Alignment			7	7						
Roadway Width (m)	11.000									
Approach Bump			4	5						
Guardrail (Y/N)	Yes				1 bolt missing @ bridgerail connection @ SE. Improper lap at NE.					
Guardrail			4	4						
Length (m)	29.000									
Current Standard (Y/N)	Yes									
Termination Type	Turn Down									
Drainage			5	N	(Erosion @ SE appears to be protected by sandbags. 13/Feb/2009) (Birdbaths @ SE, NE & NW corners. 01Mar2010). Snow covered.					
<b>Approach Road General Rating</b>			<b>6</b>	<b>6</b>						

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : <b>SMC, 3 Spans, Lengths(m): 10-11-10, A-Ident Number: A0202-01</b> )						
<b>Special Features</b>						
Special Feature			X			
(Type : )						
Special Feature			X			
(Type : )						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)	Snow covered.	
<b>Last</b>						
<b>Now</b>	10.0	0.0	0.0	0.0		
Wearing Surface				5	7	Chipseal over ACP. New chipseal.
(Material Type : <b>ACP - CONVENTIONAL CHIP SEAL COAT</b> )						
(Thickness(mm) : <b>50</b> )						
Lateral Connection Problem (Y/N)		No				
Deck Top				N	N	
Deck Rideability				7	7	
Deck Joints				6	6	Buffer angles.
Bump (Y/N)		No				
Deck Drainage				4	N	(Ponding along East curb. Snow blockage. 01Mar2010). Snow covered.
Drains Clogged (Y/N)		Yes				
Curbs/Median				N	N	(Medium scaling 90% curb tops. 4 chips on curb face due to plow damage. 13/Feb/2009) Snow covered.
(Curb Type : <b>Standard</b> )						
Scaling (Percent Area)		75				
Bridge Rail				8	8	Snow covered.
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )						
Bridge Rail Posts				8	N	
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )						
Bridge Rail/Posts Coating				7	7	
(Type : <b>GALVANIZED</b> )						
Sidewalk				X	X	
<b>Girder Detail Ratings</b>						
	N (count)	1 (count)	2 (count)	3 (count)	(Repairs in progress, concrete cut out.) - completed.	
<b>Last</b>				4		
<b>Now</b>	0	0	0	0		
Girders				3	5	Girder repairs completed.
Last Complete Inspection Date		24-Nov-2011				
Cracking (Y/N)		Yes				
Spalling (Percent Area)		0				
Lift or Connector Pocket Grouted (Y/N)						
(Number Of Girders : <b>36</b> )						
<b>Span Alignment Problems</b>						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				
<b>Superstructure General Rating</b>				<b>3</b>	<b>5</b>	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : <b>N</b> )						
(Extended Backwall Piles Spacing(mm) : )						
(Total Number of Caps/Corbels : <b>1:1</b> )						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>	0	0	0	0		
Bearing Seats/Caps/Corbels				8	7	
(Type : <b>CONCRETE</b> )						
(Depth(mm) : )						
(Width(mm) : )						
Backwalls/Breastwalls				N	N	
Greatest Height (m)		1.30				
Wingwalls				5	5	
(Total Number of Bearing Piles : <b>0:0</b> )						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	100					
<b>Now</b>	100	0	0	0		
Piles				N	N	
Paint/Coating				4	4	
Parge coat delaminating & chip on top of SE wingwall.						
Abutment Stability				7	7	
Scour/Erosion				7	7	
<b>Piers/Bents</b>						
(Type : <b>PIER-COLUMN</b> )						
(Total Number of Caps/Corbels : <b>1:1</b> )						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>	0	0	0	0		
Bearing Seats/Caps/Corbels				8	7	
(Type : <b>CONCRETE</b> )						
(Depth(mm) : <b>750</b> )						
(Width(mm) : <b>700</b> )						
(Total Number of Bearing Piles : <b>6:6</b> )						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>	0	0	0	0		
Pier Shaft/Piles				8	8	
Greatest Height (m)		5.20				
Bracing/Struts/Sheathing				8	8	
Nose Plate				X	X	
Paint/Coating				7	7	
Staining on exterior ends, worst @ West end South cap. Galvanized.						
(Colour Description : )						
(Colour Code : )						
Pier Stability				8	8	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		6	N	Ice covered.
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>7</b>	<b>7</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				Bends U/S & D/S.
(D/S Direction : <b>E</b> )				
Alignment		7	7	
Bank Stability		5	4	Erosion of N bank from ditch drainage btwn bridge & RR bridge.
HWM (m below Top of Curb)				HWM not visible. Beaver dam along W side of bridge.
Drift (Y/N)	Yes			
Slope Protection (Type : <b>RIP RAP; RIP RAP</b> )		6	6	Class II rock South headslope, North headslope natural. Top section of rock riprap not placed full height but appears to be above HWM.
Guidebank/Spurs		X	X	
Adequacy of Opening		6	6	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>6</b>	<b>6</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
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	Install 1 5/8 bolt @ SE rail connection.					
OTHER ACTION	2012	Replace bridge plaque @ SE corner.					
OTHER ACTION	2012	Armour sideslope for ditch drainage; N bank, E of bridge.					
OTHER ACTION	2012	Remove beaver dam.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>55.6/66.7</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>56.0/62.5</b>	Est. Repl. Yr	2045	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	Owen Salava	Previous Assistant's Name	
Next Inspection Date	24-Aug-2013	Previous Inspection Date	01-Mar-2010
Inspection Cycle (Default) (months)	21		
Comment			