

Bridge Inspection									
Bridge File Number	00910 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1979/1979				Lot No.	2			
Bridge or Town Name	MILLET				Inspector Name	Owen Salava			
Located Over	TRIBUTARY TO PIPESTONE CREEK, 5.47.5, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	616:08 C1 21.975				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	06-Feb-2013			
Legal Land Location	SW SEC 32 TWP 47 RGE 24 W4M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-113:28:38, 53:05:26				Data Entry Date	20-Feb-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	CMA17				Review Date	13-Feb-2013			
Clear Roadway/Skew	12.5 /				Dept. Reviewer Name	Chris Black			
AADT/Year	1,570 / 2011 (A)				Dept. Review Date	14-Mar-2013			
Road Classification	RAU-213-120				Follow-Up By				
Detour Length (km)	6								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	MS23						----> Primary Span		
Posting Information									
Required Load Posting (t)	Single				Semi		Truck Train		
Posted Loading (t)	Single				Semi		Truck Train		
Posted:	Lane	EB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	WB	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 due to low speed and curbs at both ends.								
Other Sign Types	Caution. Information within town limits. Max 50 kph.								
Utilities (Located at)									
Utility Attachments									
Telephone	Plowed in North ditch.				Gas				
Power	5 wires 10m North of c/l.				Municipal	Light standard @ NW corner.			
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			5	5	600m west of Hwy 2A; intersection 15m East. In the Town of Millet.				
Vertical Alignment			7	7					
Roadway Width (m)	13.000								
Approach Bump			7	7					
Guardrail (Y/N)	Yes				(New guardrail installed, still short, too low, single bolt connection to bridgerail substandard. Dirt piles around posts - photos. 01Mar2010)				
Guardrail			4	N	- Snow covered.				
Length (m)	6.000				Radius at NE corner.				
Current Standard (Y/N)	No								
Termination Type	Turn Down								
Drainage			4	4	Drainage causing erosion at abutments.				
Approach Road General Rating			4	4					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : SM, 3 Spans, Lengths(m): 10-10-11, A-Ident Number:)						
Special Features						
Special Feature			X	Pedestrian Walkway at West pier. Walkway under bridge requires patching - photo.		
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
Last						
Now	20.0	0.0	0.0	0.0		
Wearing Surface				5	5	Transverse cracks @ piers & @ abutments, typical.
(Material Type : ACP)						
(Thickness(mm) : 50)						
Lateral Connection Problem (Y/N)		No				
Deck Top				N	N	
Deck Rideability				7	7	
Deck Joints				N	N	
Bump (Y/N)		No				
Deck Drainage				4	4	Water & icicles down face of all caps @ each girder line. Drainage below seats cause erosion.
Drains Clogged (Y/N)		No				
Curbs/Median				4	4	Spall with rebar exposed at NW curb.
(Curb Type : Standard)						
Scaling (Percent Area)		0				
Bridge Rail				7	7	Standard pedestrian rail on sidewalks.
(Type : GALVANIZED STEEL BRIDGE TUBE)						
Bridge Rail Posts		4	4	Loose bolt, post to sidewalk, South side @ East pier. Others were shimmed with washers.		
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating		7	7			
(Type : GALVANIZED)						
Sidewalk				6	6	Minor edge spalls.
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Girders				5	5	Narrow longit. cracks @ bottom of 4 girders; E @ 1st int from S, W span @ 6th, 7th & 11th int from S, minor. Chip at exterior of S1G13. Connector rust stains in gutter areas. Grout pockets not visible.
Last Complete Inspection Date		06-Feb-2013				
Cracking (Y/N)		No				
Spalling (Percent Area)		0				
Lift or Connector Pocket Grouted (Y/N)		No				
(Number Of Girders : 39)					2 each span for sidewalk.	
Span Alignment Problems						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				
Superstructure General Rating				5	5	

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
Abutments					
(Extended Backwall Piles (Y/N) : N)					
(Extended Backwall Piles Spacing(mm) :)					
(Total Number of Caps/Corbels : 1:1)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Bearing Seats/Caps/Corbels				6	6
(Type : CONCRETE)					
(Depth(mm) :)					
(Width(mm) :)					
Backwalls/Breastwalls				N	N
Greatest Height (m)		1.50			
Wingwalls				X	X
(Total Number of Bearing Piles : 0:0)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	100				
Now	100	0	0	0	
Piles				N	N
Paint/Coating				4	4
9 piles exposed by erosion. Rusting.					
Abutment Stability				5	5
Scour/Erosion				4	4
Backfill to bottom of seat, except slope eroded from deck drainage both abutments - photo.					
Piers/Bents					
(Type : PIER-COLUMN)					
(Total Number of Caps/Corbels : 1:1)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Bearing Seats/Caps/Corbels				6	6
(Type : CONCRETE)					
(Depth(mm) : 630)					
(Width(mm) : 550)					
(Total Number of Bearing Piles : 10:10)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Pier Shaft/Piles				6	6
Greatest Height (m)		4.40			
Bracing/Struts/Sheathing				7	7
Nose Plate				X	X
Paint/Coating				4	4
(Colour Description :)					
(Colour Code :)					
Some piles are corroding under paint. Primer & unprotected steel near bottom of piles. 70% peeling. Superficial corrosion near waterline. Lots of graffiti. Grey.					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		7	7	
Scour		5	5	From deck drainage @ toe to East headslope, minor.
Debris (Y/N)	Yes			Old piles in channel.
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				
(D/S Direction : S)				
Alignment		6	6	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Yes			
Slope Protection		4	4	Surface erosion both abutments.
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		6	6	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		4	4	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2013	Tighten or replace bolt @ S sidewalk railing to girder connection over E pier (1).					
SEAL CURBS	2013	Repair spalled curb, 0.1m3 OH.V					
PATCH DECK							
OVERLAY DECK	2015	Consider petrotac along girder line when ACP replaced.					
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION	2013	Repair abutment headslopes, 15m3 pitrun.					
PLACE ADDITIONAL RIP RAP	2013	Trim toe of hslps; add CL1 heavy rock riprap.					
REMOVE DRIFT ACCUMULATION	2013	Cut-off old piles below streambed.					
INSTALL STRUTS							
OTHER ACTION	2013	Regrade pedestrian walkway.					
OTHER ACTION	2013	Patch pier cracks/spalls, 0.2m3 OH-V.					
OTHER ACTION	2013	Paint pier piles.					
OTHER ACTION	2013	Place fillcrete below abut seats; fill erosion gullies.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	55.6/55.6	Sufficiency Rating (Last/Now) (%)	46.5/48.8	Est. Repl. Yr	2033	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	06-May-2016		Previous Inspection Date	01-Mar-2010			
Inspection Cycle (Default) (months)	39						
Comment							