

Bridge Inspection									
Bridge File Number	13705 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1977/1977				Lot No.	4			
Bridge or Town Name	MILLARVILLE				Inspector Name	Calvin Roberts			
Located Over	FISHER CREEK, 2.13.27.2.9.8, WATERCRS-ST				Inspector Class	BR CLS B			
Located On	549:02 C1 9.841				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	30-Jan-2013			
Legal Land Location	NW SEC 6 TWP 21 RGE 3 W5M				Data Entry By	Lauren Korte			
Longitude, Latitude	-114:24:58, 50:45:40				Data Entry Date	01-Mar-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts			
Contract Main. Area	CMA27				Review Date	03-Feb-2013			
Clear Roadway/Skew	10.1 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	1,510 / 2011 (A)				Dept. Review Date	04-Mar-2013			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	5								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	HS25						----> 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)	Yes								
Remarks									
Other Sign Types									
Utilities (Located at)									
Utility Attachments									
Telephone	North Side & 70m West.				Gas	South ditch.			
Power	North & West- 3 wire @ 50m.				Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	Bridge is part of curve.				
Vertical Alignment			7	7	Intersestion 70m West.				
Roadway Width (m)	10.000								
Approach Bump			7	7					
Guardrail (Y/N)	Yes				Minor damage.				
Guardrail			5	5					
Length (m)	30.500				Not thrie beam.				
Current Standard (Y/N)	No								
Termination Type	TURN DOWN ENDS								
Drainage			7	7					
Approach Road General Rating			6	6					

Superstructure							
Bridge Component		Last	Now	Explanation of Condition			
(Primary Span : VS, 3 Spans, Lengths(m): 10.7-10.7-10.7, A-Ident Number:)							
Special Features							
Special Feature			X				
(Type :)							
Special Feature			X				
(Type :)							
Wearing Surface/Deck Top Detail Ratings							
	N (%)	1 (%)	2 (%)	3 (%)			
Last	0	0	0	0			
Now	15.0	0.0	0.0	0.0			
Wearing Surface		6	6	Has been overlaid. ACP cracks @ abutments & piers.			
(Material Type : ACP)							
(Thickness(mm) : 50)							
Lateral Connection Problem (Y/N)		No					
Deck Top		N	N				
Deck Rideability		7	7				
Deck Joints		N	N	ACP covered.			
Bump (Y/N)		No					
Deck Drainage		5	5	Drains cored onto South girders.			
Drains Clogged (Y/N)		No					
Curbs/Median		6	5	1 minor spall at SW corner with exposed rebar.			
(Curb Type : Standard)							
Scaling (Percent Area)		0					
Bridge Rail		7	7	2 layer.			
(Type : FLEX BEAM)							
Bridge Rail Posts		7	7				
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)							
Bridge Rail/Posts Coating		6	6				
(Type :)							
Sidewalk		X	X				
Girder Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last	0	0	0	0			
Now	0	0	0	0			
Girders		5	5	10 Girders with H/L to narrow longitudinal and/or diagonal cracks. Corrosion staining from connectors or rebar too close to surface.			
Last Complete Inspection Date		30-Jan-2013					
Cracking (Y/N)		Yes					
Spalling (Percent Area)		0					
Lift or Connector Pocket Grouted (Y/N)		Yes					
(Number Of Girders : 27)							
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	0	0	0	0		
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				7	7	
(Type : CONCRETE)						
(Depth(mm) : 500)						
(Width(mm) : 350)						
Backwalls/Breastwalls			N	N		
T.T. backwall visible only at ends.						
Greatest Height (m)		0.70				
Wingwalls			7	7		
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	1	0	0	0		
Now	10	0	0	0		
Piles				N	N	
Paint/Coating				X	X	
Abutment Stability				8	8	
Scour/Erosion				7	6	
Minor scour @ SE corner of A2 from road drainage.						
Piers/Bents						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 2:2)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				6	6	
(Type : CONCRETE)						
(Depth(mm) : 500)						
(Width(mm) : 350;400)						
(Total Number of Bearing Piles : 6:6)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Pier Shaft/Piles				7	7	
Greatest Height (m)		3.70				
Bracing/Struts/Sheathing				8	8	
Nose Plate				X	X	
Paint/Coating				4	4	
Isolated corrosion. Bottom 1m of all piles is corroded.						
(Colour Description : BLUE)						
(Colour Code : 15182)						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		8	8	
Scour		7	N	Snow/ice covered.
Debris (Y/N)	Yes			Old piles in headslope.
Substructure General Rating		6	6	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		7	7	
Bank Stability		6	6	
HWM (m below Top of Curb)	3.0			No visible HWM.
Drift (Y/N)	Yes			
Slope Protection		6	6	Rock @ West.
(Type : RIP RAP; NATURAL)				Natural @ Toe @ East.
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	6	

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							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	61.1/61.1	Sufficiency Rating (Last/Now) (%)	66.6/65.4	Est. Repl. Yr	2033	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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	30-Apr-2016		Previous Inspection Date	01-Oct-2009			
Inspection Cycle (Default) (months)	39						
Comment							