

Bridge Inspection									
Bridge File Number	08320 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1957/1993				Lot No.	2			
Bridge or Town Name	FALHER				Inspector Name	Brian Pientsch			
Located Over	TRIBUTARY TO PEAVINE CREEK, 8.10.58.7.4.3, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	49:10 C1 1.014				Assistant Name	Clem Guenette			
Water Body Cl./Year					Assistant Class	BR CLS B			
Navigabil. Cl./Year					Inspection Date	14-Dec-2012			
Legal Land Location	SW SEC 36 TWP 77 RGE 21 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-117:07:52, 55:42:51				Data Entry Date	20-Jan-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA03				Review Date	09-Jan-2013			
Clear Roadway/Skew	13.7 /				Dept. Reviewer Name	David Morrison			
AADT/Year	1,830 / 2011 (A)				Dept. Review Date	18-Mar-2013			
Road Classification	RAU-213.4-120				Follow-Up By				
Detour Length (km)	80								
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									
Hazard Marker At Bridge (Y/N)	No								
Remarks	Not required.								
Other Sign Types									
Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power	7 wire OH East r/w				Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Straight, Field access 100m South.				
Vertical Alignment			7	7					
Roadway Width (m)	12.400								
Approach Bump			6	9					
Guardrail (Y/N)	Yes								
Guardrail			7	9					
Length (m)	80.000								
Current Standard (Y/N)	No								
Termination Type	Energy Absorbing Terminal								
Drainage			7	7					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SC, 1 Spans, Lengths(m): 6.1, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	30	0	0	0	
Now	20.0	0.0	0.0	0.0	
Wearing Surface			4	9	New ACP in 2012.
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	Yes				
Deck Top			N	N	
Deck Rideability			6	9	
Deck Joints			N	N	
Bump (Y/N)		No			
Deck Drainage			N	N	No Drains. Snow covered.
Drains Clogged (Y/N)		No			
Curbs/Median			N	N	(Stained/crack beside post, (west girder).-30-Apr-2009 Narrow map cracking on outside faces.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			N	4	Bolt missing center post with rail.(West curb). Anchor assembly, snow covered.
(Type : GALVANIZED STEEL TUBE BEAM TYPE 1)					
Bridge Rail Posts			N	N	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			N	5	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now					
Girders			5	5	G 10 & G 1 hairline long crack whole length.G3 & G8 hairline crack G6 & G7 hairline crack in center (200mm)-19-Jan-2011 Above all logitudinal Connector pocket stains at G6 & &. LIFTING POCKETS FILLED WITH TAR Unable to confirm due to frost u/s girders.
Last Complete Inspection Date		14-Dec-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : 13)					
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) : Y)				Not planked behind precast & out to extension piles, (utility curb void exposed).					
(Extended Backwall Piles Spacing(mm) : 1500)									
(Total Number of Caps/Corbels : 3:3)				3/4" plywood spacers @ top subcap on South abut. 300 x 90mm planking atop of caps. 250 x 80mm planking atop of caps. 350mmx280mm subcap.					
Bearing Seats/Caps/Corbels Detail Ratings									
	N (count)	1 (count)	2 (count)				3 (count)		
Last	0	0	0				0		
Now									
Bearing Seats/Caps/Corbels			6				6		
(Type : TREATED TIMBER)									
(Depth(mm) : 300)									
(Width(mm) : 350)									
Backwalls/Breastwalls			4				4		Sheeting bowed inwards between piles.(200mm) A1. Small amount of backfill seeping through.
Greatest Height (m)		2.60							
Wingwalls			7	7					
(Total Number of Bearing Piles : 11:11)									
Piles Detail Ratings									
	N (count)	1 (count)	2 (count)	3 (count)					
Last	0	0	0	0					
Now									
Piles			5	5					
Paint/Coating			X	X					
Abutment Stability			5	5					
Scour/Erosion			5	5					
Piers/Bents									
(Type :)									
(Total Number of Caps/Corbels :)									
Bearing Seats/Caps/Corbels Detail Ratings									
	N (count)	1 (count)	2 (count)	3 (count)					
Last									
Now									
Bearing Seats/Caps/Corbels			X	X					
(Type :)									
(Depth(mm) :)									
(Width(mm) :)									
(Total Number of Bearing Piles :)									
Piles Detail Ratings									
	N (count)	1 (count)	2 (count)	3 (count)					
Last									
Now									
Pier Shaft/Piles			X	X					
Greatest Height (m)									
Bracing/Struts/Sheathing			6	6		Double row of struts.			
Nose Plate			X	X					
Paint/Coating			X	X					
(Colour Description :)									
(Colour Code :)									

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				
(D/S Direction : W)				
Alignment		8	8	
Bank Stability		6	6	
HWM (m below Top of Curb)	1.5			Grass in trees d/s.-19-Jan-2011
Drift (Y/N)	No			
Slope Protection		N	N	Snow covered.
(Type : NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		6	6	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		6	6	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2013	Replace missing bolt on 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) (%)	55.6/55.6	Sufficiency Rating (Last/Now) (%)	58.4/58.4	Est. Repl. Yr	2022	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor backwalls. Monitor hairline cracks in girders.		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	Russel Vanderschaaf		Previous Assistant's Name				
Next Inspection Date	14-Sep-2014		Previous Inspection Date	19-Jan-2011			
Inspection Cycle (Default) (months)	21						
Comment							