

Bridge Inspection									
Bridge File Number	74474 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1978/1978				Lot No.	2			
Bridge or Town Name	FT VERMILION				Inspector Name	Brian Pientsch			
Located Over	TRIBUTARY TO GULL CREEK, 8.10.24.1, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	88:18 C1 33.531				Assistant Name	Clem Guenette			
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	14-Jun-2012			
Legal Land Location	SW SEC 5 TWP 109 RGE 13 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-116:08:59, 58:26:05				Data Entry Date	06-Nov-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA01				Review Date	04-Nov-2012			
Clear Roadway/Skew	10.1 /				Dept. Reviewer Name	David Morrison			
AADT/Year	830 / 2011 (A)				Dept. Review Date	15-Jan-2013			
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:	HS25						----> 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)	Yes								
Remarks									
Other Sign Types									
Utilities (Located at)									
Utility Attachments									
Telephone	East & West r/w.				Gas				
Power	3 wire OH along East ditch.				Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Curve north with good sight distance, approach 80m South.				
Vertical Alignment			8	8					
Roadway Width (m)	9.200								
Approach Bump			8	8					
Guardrail (Y/N)	Yes				Insufficient posts next to bridge.				
Guardrail			5	5					
Length (m)	38.000								
Current Standard (Y/N)	No								
Termination Type	Turn Down								
Drainage			7	7					
<b>Approach Road General Rating</b>			<b>7</b>	<b>7</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : VS, 1 Spans, Lengths(m): 6.1, 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>					
<b>Now</b>					
Wearing Surface			6	6	Asphalt approx 80mm from top of curb.
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>200</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			N	N	Paved over.
Bump (Y/N)		No			
Deck Drainage			7	7	No drains.
Drains Clogged (Y/N)		No			
Curbs/Median			5	5	Curb height is insufficient.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			8	8	
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts			7	7	
(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)	
<b>Last</b>	9				
<b>Now</b>	9				
Girders			N	N	Water approx 1.5m from bottom of deck.
Last Complete Inspection Date		17-Jan-2007			
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : <b>9</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>7</b>	<b>7</b>	G.R. carried forward.

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : N)				20		
(Extended Backwall Piles Spacing(mm) : )						
(Total Number of Caps/Corbels : 3:3)				Viewed from ends. Water approx 1.5m from bottom of deck.		
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Bearing Seats/Caps/Corbels			6	6		
(Type : TREATED TIMBER)						
(Depth(mm) : 300)						
(Width(mm) : 300)						
Backwalls/Breastwalls		N	N	(Fill infiltrating NE corner, hole 1.2 x 1.3 x 0.7m - photo. 05/05/11) (Backwall cleat not attached to backwall SW corner. 05/05/11) Under water.		
Greatest Height (m)		2.80				
Wingwalls		5	5	NW and SE wingwall are leaning 10d. Top plank is loose. (NW wingwall is in front on top 3 backwall planks. 06/Nov/2008) Top plank on NE wingwall is missing.		
(Total Number of Bearing Piles : 10:10)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	20					
<b>Now</b>	20					
Piles		N	N			
Paint/Coating		X	X			
Abutment Stability		N	N	Under water.		
Scour/Erosion		N	N	Under water.		
<b>Piers/Bents</b>						
(Type : )						
(Total Number of Caps/Corbels : )						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
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)		
<b>Last</b>						
<b>Now</b>						
Pier Shaft/Piles			X	X		
Greatest Height (m)						
Bracing/Struts/Sheathing		N	N	Strutted with various treated timber piles. (East strut is bowed, west fell down - photo. 06/Nov/2008)		
Nose Plate		X	X			

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Paint/Coating		X	X	
(Colour Description : )				
(Colour Code : )				
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>5</b>	<b>5</b>	G.R. carried forward.

Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				
(D/S Direction : <b>E</b> )				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		5	5	
(Type : <b>NATURAL; NATURAL</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>5</b>	<b>5</b>	

