

Bridge Inspection									
Bridge File Number	75718 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1989/1989				Lot No.	4			
Bridge or Town Name	FT VERMILION				Inspector Name	Brian Pientsch			
Located Over	BEAVER RANCH CREEK, 8.10.20, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	58:10 C1 24.881				Assistant Name	Clem Guenette			
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	13-Jun-2012			
Legal Land Location	NW SEC 2 TWP 110 RGE 11 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-115:43:35, 58:31:43				Data Entry Date	20-Nov-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA01				Review Date	04-Nov-2012			
Clear Roadway/Skew	12.2 /				Dept. Reviewer Name	David Morrison			
AADT/Year	230 / 2011 (A)				Dept. Review Date	11-Jan-2013			
Road Classification	RAU-210-110				Follow-Up By				
Detour Length (km)	15								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	MS225						----> 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									
Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types	Beaver Ranch Creek, Eastbound only.								
Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power	3 wire o/h - South r/w.				Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			9	9	In sag curve with limited sight distance to the east.				
Vertical Alignment			6	6					
Roadway Width (m)	12.000								
Approach Bump			7	7					
Guardrail (Y/N)	Yes				NW rail damage but still functional.				
Guardrail			7	6					
Length (m)	19.000								
Current Standard (Y/N)	No								
Termination Type	Turn Down								
Drainage			6	6					
<b>Approach Road General Rating</b>			<b>6</b>	<b>6</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>SM, 3 Spans, Lengths(m): 11-11-11, A-Ident Number: )</b>					
<b>Special Features</b>					
Special Feature			X		
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>	70				
<b>Now</b>	70.0				
Wearing Surface			X	X	
(Material Type : )					
(Thickness(mm) : )					
Lateral Connection Problem (Y/N)		No			
Deck Top			6	6	Gravel abraded.
Deck Rideability			7	7	(1% spalling. 05/05/10) Under gravel.
Deck Joints			6	X	
Bump (Y/N)		No			
Deck Drainage			5	5	
Drains Clogged (Y/N)		No			
Curbs/Median			6	6	Grader scrapes all 4 corners.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		2			
Bridge Rail			6	6	
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts			3	6	
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			8	7	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>					
Girders			5	5	Narrow cracks < 500mm long, no staining at S1G1, S1G5, S2G10, S3G10 & S3G1.
Last Complete Inspection Date		13-Jun-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : <b>30</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>5</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>					
Bearing Seats/Caps/Corbels			7	7	
(Type : <b>STEEL</b> )					
(Depth(mm) : <b>305</b> )					
(Width(mm) : <b>305</b> )					
Backwalls/Breastwalls			7	7	
Greatest Height (m)		1.20			
Wingwalls			7	7	
(Total Number of Bearing Piles : <b>7:7</b> )					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>					
Piles			7	7	
Paint/Coating			X	X	
Abutment Stability			6	6	
Scour/Erosion			4	5	
<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>					
Bearing Seats/Caps/Corbels			7	7	
(Type : <b>STEEL</b> )					
(Depth(mm) : <b>305</b> )					
(Width(mm) : <b>610</b> )					
(Total Number of Bearing Piles : <b>7:7</b> )					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>					
Pier Shaft/Piles			7	7	
Greatest Height (m)		4.60			
Bracing/Struts/Sheathing			8	8	
Nose Plate			8	8	
Paint/Coating			4	4	Superficial rust on piles.
(Colour Description : )					
(Colour Code : )					
Pier Stability			7	7	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		7	7	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>6</b>	<b>6</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>N</b> )				
(D/S Direction : <b>S</b> )				
Alignment		7	7	
Bank Stability		6	6	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		4	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>4</b>	<b>5</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							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>61.1/61.1</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>63.7/64.8</b>	Est. Repl. Yr	2041	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	Brian Pientsch		Previous Assistant's Name	Lisbeth Medina			
Next Inspection Date	13-Mar-2014		Previous Inspection Date	06-Aug-2010			
Inspection Cycle (Default) (months)	21						
Comment							