

Bridge Inspection										
Bridge File Number	76302 -2 Bridge				Form Type	SG				
Year Built/Year Supstr	2011/2011				Lot No.	2				
Bridge or Town Name	FT VERMILION				Inspector Name	Brian Pientsch				
Located Over	WENTZEL RIVER, 8.10.8, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	58:14 C1 0.000				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	19-Jun-2012				
Legal Land Location	NE SEC 25 TWP 110 RGE 5 W5M				Data Entry By	Theresa Lacusta				
Longitude, Latitude	-114:40:23, 58:35:06				Data Entry Date	19-Nov-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux				
Contract Main. Area	CMA01				Review Date	01-Nov-2012				
Clear Roadway/Skew	9 / 0 deg.				Dept. Reviewer Name	David Morrison				
AADT/Year	60 / 2011 (E)				Dept. Review Date	11-Jan-2013				
Road Classification	RAU-208-110				Follow-Up By					
Detour Length (km)	999									
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member			
Design Loading:	CL800						----> Primary Span			

Posting Information									
Required Load Posting (t)	Single		Semi		Truck Train				
Posted Loading (t)	Single		Semi		Truck Train				
Posted:	Lane	WB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	EB	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								
Other Sign Types	Curve signs both directions.								

Utilities (Located at)										
Utility Attachments										
Telephone					Gas					
Power	3 line OH ~ South of CL				Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
			<b>Last</b>	<b>Now</b>	<b>Explanation of Condition</b>				
Horizontal Alignment			6	6	Curve in both directions.				
Vertical Alignment			6	6	Bridge located at bottom of sag curve.				
Roadway Width (m)	9.000								
Approach Bump			9	9					
Guardrail (Y/N)	Yes								
Guardrail			9	9					
Length (m)	56.000								
Current Standard (Y/N)	Yes								
Termination Type	Turn Down								
Drainage			9	4	Minor erosion at NW corner from slab drainage.				
<b>Approach Road General Rating</b>			<b>6</b>	<b>6</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>WG, 3 Spans, Lengths(m): 24-36-24, 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>	10	0	0	0	
<b>Now</b>					
Wearing Surface			X	X	
(Material Type : )					
(Thickness(mm) : )					
Deck Top			8	8	
Deck Rideability			9	9	
Deck Joints			X	X	integral abutment
Temperature (deg. C)		18			
(Expansion Type : )					
(Fixed Type : )					
Gap Size (mm)		Gap Location			
Deck Drainage			9	9	
Drains Clogged (Y/N)		No			
Curbs/Median			9	9	
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)					
Bridge Rail			9	9	
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts			9	9	
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			9	9	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
<b>Girder/Beam</b>					
Cover Plate			X	X	
Flange			9	9	
Web			9	9	
Stiffeners			9	9	
Splice			9	9	
Weld			9	9	
Diaphragms/Cross Frame			9	9	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : <b>WG, 3 Spans, Lengths(m): 24-36-24, A-Ident Number: )</b>				
Paint Condition		X	X	weathering steel
(Colour Description : )				
(Colour Code : )				
Touchup Required (Y/N)	No			
Bearings		9	9	
Temperature (deg. C)	18			
(Expansion Type : )				
(Fixed Type : <b>PINNED BEARING</b> )				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		9	9	
Stains (Percent Area)				
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>9</b>	<b>9</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		9	9	
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls		9	9	
Wingwalls		9	9	Insert not removed and grouted at NW wingwall.
Piles		N	N	buried
Paint/Coating		9	9	
Abutment Stability		9	9	
Scour/Erosion		9	9	
<b>Piers/Bents</b>				
(Type : <b>PIER-COLUMN</b> )				
Bearing Seats/Caps		9	9	
(Type : <b>CONCRETE</b> )				
(Total Number of Bearing Piles : <b>4:4</b> )				
Pier Shaft/Piles		9	9	
Bracing/Struts/Sheathing		9	9	
Nose Plate		X	X	
Paint/Coating		X	9	
(Colour Description : )				
(Colour Code : )				
Pier Stability		9	9	
Scour		9	9	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>9</b>	<b>9</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>N</b> )				
(D/S Direction : <b>S</b> )				
Alignment		9	9	
Bank Stability		9	9	
HWM (m below Top of Curb)				No HWM visible
Drift (Y/N)	Yes			
Slope Protection		9	9	
(Type : <b>RIP RAP; RIP RAP</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	9	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>9</b>	<b>9</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2012	Remove and patch concrete anchor insert at NW corner(warranty work)					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>100.0/100.0</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>85.9/85.9</b>	Est. Repl. Yr	2075	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Warranty Inspection in 2013. Monitor erosion at NW corner.		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	Randy Bredo		Previous Assistant's Name	Bryan Wai			
Next Inspection Date	19-Mar-2014		Previous Inspection Date	26-Oct-2011			
Inspection Cycle (Default) (months)	21						
Comment							