

Bridge Inspection										
Bridge File Number	72620 -1 Bridge				Form Type	PCS				
Year Built/Year Supstr	1998/1998				Lot No.	2				
Bridge or Town Name	FRANCHERE				Inspector Name	Todd Warshawski				
Located Over	MOOSELAKE RIVER, 7.12, WATERCRS-ST				Inspector Class	BR CLS B				
Located On	660:02 C1 21.833				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	15-Dec-2011				
Legal Land Location	SW SEC 23 TWP 61 RGE 7 W4M				Data Entry By	Theresa Lacusta				
Longitude, Latitude	-110:57:05, 54:17:08				Data Entry Date	10-Jan-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux				
Contract Main. Area	CMA08				Review Date	30-Dec-2011				
Clear Roadway/Skew	10.4 /				Dept. Reviewer Name	Brent Herrick				
AADT/Year	1,530 / 2010 (A)				Dept. Review Date	18-Jan-2012				
Road Classification	RCU-210-110				Follow-Up By					
Detour Length (km)	38									
Allowable Load (t):	Single		Semi		Train		----> On Critical Spans ---->Critical Member			
Design Loading:	HS20						----> 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	SW missing, NW damaged								
Other Sign Types	Curve, Trucks Turning								

Utilities (Located at)										
Utility Attachments										
Telephone	South r/w.				Gas					
Power	6 wires 20m North from c/l.				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 to the West, limited sight distance. Grade to the East, limited sight distance. No passing.				
Vertical Alignment			6	6					
					Missing 1 post at each corner off bridge. Not thrie beam transition. Small tear in 2 sections at NW but functioning - photo. Minor vertical split in one NW post.				
Roadway Width (m)	9.100				Patched at abutment, plow blade catching on steel joint. SE corner.				
Approach Bump			6	6					
Guardrail (Y/N)	Yes								
Guardrail			4	4	Missing 1 post at each corner off bridge. Not thrie beam transition. Small tear in 2 sections at NW but functioning - photo. Minor vertical split in one NW post.				
Length (m)	43.700								
Current Standard (Y/N)	No								
Termination Type	Turn Down				3 sections of SW turndown end damaged.				
Drainage			7	7					
<b>Approach Road General Rating</b>			<b>6</b>	<b>6</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>SC, 1 Spans, Lengths(m): 12, A-Ident Number: )</b>					
<b>Special Features</b>					
Special Feature			7	"Chain Link Fence" Fence installed @ top NE & NW wingwalls.	
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>					
<b>Now</b>	20.0	0.0	0.0	0.0	
Wearing Surface			X	X	Narrow cracking on grout @ connection pockets.
(Material Type : )					
(Thickness(mm) : )					
Lateral Connection Problem (Y/N)		Yes			
Deck Top			5	4	Narrow diagonal cracking extending 0.6m from girder ends - photo. Narrow cracks on girders full length. Minor bump at both abutments.
Deck Rideability			6	6	
Deck Joints			4	4	Buffer angles. Damaged by plow scrapes.
Bump (Y/N)		No			
Deck Drainage			7	7	Heavy stains from leakage between girders. No deck drains.
Drains Clogged (Y/N)					
Curbs/Median			7	4	Heavy scaling/spalls on curb face.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		10			
Bridge Rail			8	7	Separating traffic from sidewalk, vertical panel rail on sidewalk.
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts			8	7	
(Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			8	7	
(Type : <b>GALVANIZED</b> )					
Sidewalk			7	7	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>					
Girders			5	4	Diagonal and longitudinal cracks on girder tops, all girders. G1-wide long crack/spall on girder inner face. G3,G4,G6 numerous medium cracks, appear to be concrete shrinkage. G10-medium longitudinal cracks. Concrete spalls on outer girder ends.
Last Complete Inspection Date		15-Dec-2011			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : <b>11</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>5</b>	<b>4</b>	

Substructure									
Bridge Component				Last	Now	Explanation of Condition			
<b>Abutments</b>									
(Extended Backwall Piles (Y/N) : Y)				Extension pile @ 1.4m on South ends only. Piles are anchored.					
(Extended Backwall Piles Spacing(mm) : 1400)									
(Total Number of Caps/Corbels : 1:1)									
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 : STEEL)									
(Depth(mm) : 310)									
(Width(mm) : 310)									
Backwalls/Breastwalls							7	7	
Greatest Height (m)		1.90							
Wingwalls				7	7				
(Total Number of Bearing Piles : 9:9)									
Piles Detail Ratings									
	N (count)	1 (count)	2 (count)	3 (count)					
<b>Last</b>									
<b>Now</b>									
Piles				7	7				
Paint/Coating				4	4	Scaling rust			
Abutment Stability				7	7				
Scour/Erosion				N	6				
<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				X	X				
Nose Plate				X	X				
Paint/Coating				X	X				
(Colour Description : )									
(Colour Code : )									
Pier Stability				X	X				

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		X	X	
Debris (Y/N)	Yes			Beaver dam across channel under South side of bridge with previous dam debris piled at wingwalls.
<b>Substructure General Rating</b>		<b>7</b>	<b>7</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>N</b> )				Wide flood plain.
(D/S Direction : <b>S</b> )				
Alignment		8	8	
Bank Stability		8	8	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Yes			
Slope Protection		7	7	
(Type : <b>RIP RAP; RIP RAP</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>7</b>	<b>7</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS	2012	Patch spalls and seal.					
PATCH DECK	2012	Redo connection grout pockets @ major rehab.					
OVERLAY DECK	2012	Consider concrete deck overlay at major rehab to protect girder tops.					
STRAIGHTEN/REPLACE MEMBERS							
WASHING	2012						
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION	2012	Remove beaver dam under bridge & at SE & SW wingwalls.					
INSTALL STRUTS							
OTHER ACTION	2012	Upgrade approach guardrail to meet standard and repair damaged sections.					
OTHER ACTION	2012	Replace hazard markers at SW and NW.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>66.7/61.1</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>66.2/63.1</b>	Est. Repl. Yr	2045	Maint. Reqd. (Y/N)	Yes
Special Comments for Next Inspection	Monitor cracking on deck top.		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	Dave Lam		Previous Assistant's Name				
Next Inspection Date	15-Mar-2015		Previous Inspection Date	09-Aug-2008			
Inspection Cycle (Default) (months)	39						
Comment							