

Bridge Inspection									
Bridge File Number	74629 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1974/1974				Lot No.	2			
Bridge or Town Name	CROSS LAKE				Inspector Name	Todd Warshawski			
Located Over	FRENCH CREEK, 8.11.84.4, WATERCRS-ST				Inspector Class	BR CLS B			
Located On	LOCAL ROAD				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	16-Apr-2013			
Legal Land Location	NE SEC 23 TWP 65 RGE 26 W4M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-113:49:10, 54:38:30				Data Entry Date	01-May-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	UNDEFINED CMA				Review Date	21-Apr-2013			
Clear Roadway/Skew	9.1 /				Dept. Reviewer Name				
AADT/Year	60 / 2008 (E)				Dept. Review Date				
Road Classification	RLU-209G-90				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:	HS25						----> 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 posted / none required.								
Hazard Marker At Bridge (Y/N)	No								
Remarks	Not required.								
Other Sign Types	No Parking. 30km/hr								

Utilities (Located at)									
Utility Attachments									
Telephone	West side.				Gas				
Power	Attached to West side in 2" conduit.				Municipal				
Others					Problem (Y/N)	No			
Remarks	Telus in conduit pipe, 1" steel. Some dents in Telus pipe.								

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			5	5	Winding horizontal alignment into Park. Speed limit is 30 km/hr. Trees reduce sight lines approaching bridge.				
Vertical Alignment			7	7					
Roadway Width (m)			8.000		Approach gravel tracked onto bridge deck.				
Approach Bump			7	6					
Guardrail (Y/N)			Yes		Minor strike damage, still functional.				
Guardrail			6	5					
Length (m)			7.600						
Current Standard (Y/N)			No						
Termination Type			Turned Down						
Drainage			7	4	Windrows under approach rail block drainage.				
<b>Approach Road General Rating</b>			<b>5</b>	<b>5</b>					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : <b>VH, 1 Spans, Lengths(m): 11.6, A-Ident Number: )</b>						
<b>Special Features</b>						
Special Feature			X	High water ruler attached to bridge SE corner.		
(Type : )						
Special Feature			X			
(Type : )						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
<b>Last</b>	60					
<b>Now</b>	50.0					
Wearing Surface			X	X		
(Material Type : )						
(Thickness(mm) : )						
Lateral Connection Problem (Y/N)		No				
Deck Top			7	7	Gravel along curbs.	
Deck Rideability			7	7		
Deck Joints			X	X		
Bump (Y/N)						
Deck Drainage			7	7		
Drains Clogged (Y/N)		No				
Curbs/Median			4	6		
(Curb Type : <b>Standard</b> )						
Scaling (Percent Area)		5				
Bridge Rail			5	5	Single flexbeam. Slightly bent on West rail.	
(Type : <b>GALVANIZED STEEL FLEX BEAM</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			5	2	Rot in 3 handrail posts 0.15x0.15x1.6m. Trip hazard due to backwall planks.-photo	
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)	Water level 0.5m below girders.	
<b>Last</b>	13					
<b>Now</b>	13					
Girders			4	N	25mm gap between S/W & exterior girders. Could not view all girders.	
Last Complete Inspection Date		06-May-2008				
Cracking (Y/N)		No			Minor spalls on top exterior curb girders & lifting lugs exposed - photo.May-2008	
Spalling (Percent Area)		2				
Lift or Connector Pocket Grouted (Y/N)		Yes				
(Number Of Girders : <b>13</b> )						
<b>Span Alignment Problems</b>						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				
<b>Superstructure General Rating</b>			<b>4</b>	<b>4</b>	GR carried fwd from May, 2008.	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 1550)						
(Total Number of Caps/Corbels : 5:5)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	6			(Rot in South/North abutment caps - photo. Sub-cap on 3 center piles. All piles have wire backwall clamps. 21/Sept/2003) Can not confirm rot in cap this inspection, not accessible.		
<b>Now</b>	100					
Bearing Seats/Caps/Corbels				N	N	
(Type : TREATED TIMBER)						
(Depth(mm) : 350)						
(Width(mm) : 305)						
Backwalls/Breastwalls				N	N	
Greatest Height (m)		1.80				
Wingwalls				4	4	
Vertical wingwall cleats rotten.						
(Total Number of Bearing Piles : 11:11)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	22					
<b>Now</b>	22					
Piles				N	N	
Paint/Coating				X	X	
Abutment Stability				7	N	
Scour/Erosion				N	N	
<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	

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)	Yes			Beaver dam under bridge.
<b>Substructure General Rating</b>		<b>4</b>	<b>4</b>	G.R. carried forward from 21/Sept/2003.
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>S</b> )				Spill way downstream.
(D/S Direction : <b>N</b> )				
Alignment		8	8	
Bank Stability		8	8	
HWM (m below Top of Curb)	1.3			D/S control structure. Beaverdam under bridge.
Drift (Y/N)	Yes			
Slope Protection		N	N	
(Type : )				
Guidebank/Spurs		X	X	
Adequacy of Opening		6	5	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>8</b>	<b>8</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	2013	Clean bridge and remove approach windrows.					
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS	2013	If not done, dewatering					
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION	2013	Remove beaverdam from under bridge.					
INSTALL STRUTS							
OTHER ACTION	2013	Replace 3 rotten handrail posts.(0.15x0.15x1.6m)					
OTHER ACTION	2013	Trim backwall planks along sidewalk ends.					
OTHER ACTION	2013	Replace rotten wingwall cleats (vertical).					
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>44.4/44.4</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>59.4/59.4</b>	Est. Repl. Yr	2033	Maint. Req. (Y/N)	Yes
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	Dave Lam		Previous Assistant's Name				
Next Inspection Date	16-Jan-2018		Previous Inspection Date	06-May-2008			
Inspection Cycle (Default) (months)	57						
Comment							