

Bridge Inspection									
Bridge File Number	73812 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1992/1992				Lot No.	2			
Bridge or Town Name	LEDUC				Inspector Name	Todd Warshawski			
Located Over	TRIBUTARY TO BLACKMUD CREEK, 6.95.2.6, WATERCRS-ST				Inspector Class	BR CLS B			
Located On	623:02 C1 5.592				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	15-Mar-2012			
Legal Land Location	SW SEC 27 TWP 49 RGE 24 W4M				Data Entry By	Lisa Fairhurst			
Longitude, Latitude	-113:25:45, 53:15:02				Data Entry Date	19-Apr-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA11				Review Date	09-Apr-2012			
Clear Roadway/Skew	10.4 /				Dept. Reviewer Name	Brent Herrick			
AADT/Year	2,720 / 2011 (A)				Dept. Review Date	04-May-2012			
Road Classification	RLU-209-110				Follow-Up By				
Detour Length (km)	5								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	CS750						----> 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 and NE curves only. SE and NW on ground.								
Other Sign Types									

Utilities (Located at)									
Utility Attachments									
Telephone	South ditch.				Gas				
Power	1 OH line ~100m West of bridge/ North R/W				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Farm entrance and road int to east, hills on both sides, adequate sight distances.				
Vertical Alignment			7	7					
Roadway Width (m)		10.800			Bump on east approach				
Approach Bump			7	5					
Guardrail (Y/N)		Yes			3 broken posts SW. SW post @ end not connected.				
Guardrail			3	3	Minor strike damage at several locations, still functional				
Length (m)		26.000							
Current Standard (Y/N)		No							
Termination Type		Turn Down							
Drainage			7	4	Erosion along side of road at SE corner				
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SC, 1 Spans, Lengths(m): 6, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	20				
Now	0.0	0.0	0.0	0.0	
Wearing Surface		6	6		
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	No				
Deck Top		N	N	Snow covered.	
Deck Rideability		7	6		
Deck Joints		N	N	ACP covered	
Bump (Y/N)	No				
Deck Drainage		7	7	No drains	
Drains Clogged (Y/N)	No				
Curbs/Median		N	6		
(Curb Type : Standard)					
Scaling (Percent Area)	0				
Bridge Rail		7	7		
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts		7	7		
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating		7	7		
(Type : GALVANIZED)					
Sidewalk		X	X		
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Girders		8	8		
Last Complete Inspection Date	15-Mar-2012				
Cracking (Y/N)	No				
Spalling (Percent Area)	0				
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : 10)					
Span Alignment Problems					
Vertical (Y/N)	No				
Horizontal (Y/N)	No				
Superstructure General Rating		8	8		

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : Y)				Damaged tin top on SW		
(Extended Backwall Piles Spacing(mm) : 1900)						
(Total Number of Caps/Corbels : 2:2)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				7	7	
(Type : STEEL)						
(Depth(mm) : 300)						
(Width(mm) : 300)						
Backwalls/Breastwalls				4	4	
Greatest Height (m)		2.00				
Wingwalls				4	4	
				SE wingwall pile is split but still functions. Loose planks on NE		
(Total Number of Bearing Piles : 8:8)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Piles				7	7	
Paint/Coating				4	4	
				Flake rust along caps.		
Abutment Stability				7	6	
Scour/Erosion				6	6	
Piers/Bents						
(Type :)						
(Total Number of Caps/Corbels :)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
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)		
Last						
Now						
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			(Old TT piles. 05/Oct/2005)
Substructure General Rating		6	6	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				Sharp turn west D/S.
(D/S Direction : N)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : NONE; NONE)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	7	

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	2012	Add fill at SE corner					
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2012	Reinstall NW and SE hazard markers					
OTHER ACTION	2012	Replace 3 TT guardrail posts and install 1 TT post with 135 degree angle at the SW.					
OTHER ACTION	2012	Repair backwall gaps.Repair NE wingwall and SW tintop					
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	77.8/77.8	Sufficiency Rating (Last/Now) (%)	70.1/69.0	Est. Repl. Yr	2032	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	Jason Saly		Previous Assistant's Name	Bryce Clayton			
Next Inspection Date	15-Jun-2015		Previous Inspection Date	12-Dec-2008			
Inspection Cycle (Default) (months)	39						
Comment							