

Bridge Inspection										
Bridge File Number	73319 -1 Bridge				Form Type	PSR				
Year Built/Year Supstr	1971/1971				Lot No.	2				
Bridge or Town Name	EDSON				Inspector Name	Shane Hall				
Located Over	LAMBERT CREEK, 8.11.107.33.9, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	47:06 C1 27.244				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	15-Oct-2012				
Legal Land Location	SW SEC 1 TWP 51 RGE 20 W5M				Data Entry By	Theresa Lacusta				
Longitude, Latitude	-116:49:01, 53:22:16				Data Entry Date	21-Nov-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux				
Contract Main. Area	CMA13				Review Date	12-Nov-2012				
Clear Roadway/Skew	10.1 /				Dept. Reviewer Name	Brent Herrick				
AADT/Year	1,020 / 2011 (A)				Dept. Review Date	22-Nov-2012				
Road Classification	RAU-210-110				Follow-Up By					
Detour Length (km)	73									
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	NB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	SB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Remarks	No allowable load posted.								
Hazard Marker At Bridge (Y/N)	No								
Remarks	Not required.								
Other Sign Types	Information, "Lambert Creek" Sign missing at NW corner.-photo								

Utilities (Located at)										
Utility Attachments										
Telephone	East r/w, 30m North.				Gas					
Power	3 wires East, 5 wires West r/w.				Municipal					
Others					Problem (Y/N)		No			
Remarks										

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		6	6	Campground access NE. No passing EB.					
Vertical Alignment		7	7						
Roadway Width (m)	9.700			Wide transverse crack @ South approach - photo.					
Approach Bump		6	6						
Guardrail (Y/N)	Yes			Not thrie beam					
Guardrail		5	5						
Length (m)	23.800								
Current Standard (Y/N)	No								
Termination Type	Turned Down								
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 : PM, 2 Spans, Lengths(m): 15.2-9.1, A-Ident Number: )					
<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>					
<b>Now</b>					
Wearing Surface			6	5	Chipseal over conc. overlay. Chipseal wearing at joints.
(Material Type : <b>CONCRETE - CONVENTIONAL CHIP SEAL COAT</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)	No				
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			7	7	
Temperature (deg. C)		11			
(Expansion Type : <b>GLAND (WABO-MAUER, TRANSFLEX, ETC)</b> )					
(Fixed Type : <b>GLAND (WABO-MAUER, TRANSFLEX, ETC)</b> )					
Gap Size (mm)		Gap Location			
78		S. Abut. (A1)			
80		Pier (P1)			
75		N. Abut. (A2)			
Deck Drainage			5	5	
Drains Clogged (Y/N)		No			
Curbs/Median			5	5	Delam @ NW corner. Rust staining on outside face of East & West curbs due to low cover.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			5	5	Double layer. Minor collision damage to W-beam @ NE corner-still functional.  Dirty.
(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			6	6	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
<b>Girder Detail Ratings</b>					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	1	
<b>Now</b>				2	
Girders			3	3	S2G12, wide soffit cracks and spall due to retrofit drain installation - photo.  S2G2-medium delam crack 400mm long @ S end. Rust staining at S end of crack appears from low cover.-photo
Cracking (Y/N)		Yes			
Spalling (Percent Area)		1			
(Number Of Girders : <b>24</b> )					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : <b>PM, 2 Spans, Lengths(m): 15.2-9.1, A-Ident Number: )</b>				
Diaphragms/Cross Frame		X	X	
Bearings		6	6	
Temperature (deg. C)	11			
(Expansion Type : )				
(Fixed Type : <b>NEOPRENE STRIP BEARING</b> )				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		3	3	Staining between girders at curbs. Rust stains on bottom of curb girders - previous to concrete overlay. S2G12 delam spall at drain.
Stains (Percent Area)	1			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>3</b>	<b>3</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		6	6	
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls		N	N	
Wingwalls		5	5	
Piles		N	N	
Paint/Coating		5	5	
Abutment Stability		7	7	
Scour/Erosion		6	6	
<b>Piers/Bents</b>				
(Type : <b>PIER-COLUMN</b> )				
Bearing Seats/Caps		4	4	Previous patch at north end east side of pier 1 has wide cracks and delaminated approx 2m long - photo.
(Type : <b>CONCRETE</b> )				
(Total Number of Bearing Piles : <b>5</b> )				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		7	7	
Nose Plate		7	7	
Paint/Coating		4	4	Pier piles & bracing scraped from abrasion, peeling lower 1.2m - exposing primer.
(Colour Description : <b>GREEN</b> )				
(Colour Code : <b>14090</b> )				
Pier Stability		7	7	
Scour		5	5	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>4</b>	<b>4</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				Meanders U/S.
(D/S Direction : <b>E</b> )				
Alignment		6	6	
Bank Stability		6	6	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Yes			
Slope Protection		7	7	Riprap under drains, 1m only.
(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>6</b>	<b>6</b>	



Proposed Action			
Previous Inspector's Name	Eric Caroux	Previous Assistant's Name	
Next Inspection Date	15-Jul-2014	Previous Inspection Date	09-Nov-2010
Inspection Cycle (Default) (months)	21		
Comment			