

Bridge Inspection									
Bridge File Number	73136 -1 Bridge				Form Type	SG			
Year Built/Year Supstr	1942/1942				Lot No.	2			
Bridge or Town Name	EDSON				Inspector Name	Shane Hall			
Located Over	MCLEOD RIVER, 8.11.107, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	47:06 C1 45.578				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	15-Oct-2012			
Legal Land Location	SW SEC 5 TWP 52 RGE 18 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-116:37:18, 53:27:39				Data Entry Date	14-Nov-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA13				Review Date	12-Nov-2012			
Clear Roadway/Skew	11 /				Dept. Reviewer Name	Brent Herrick			
AADT/Year	1,020 / 2011 (A)				Dept. Review Date	20-Nov-2012			
Road Classification	RAU-210-110				Follow-Up By				
Detour Length (km)	30								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	MS350						----> 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	CS3 allowable is below legal limit.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks	Connected to guardrail posts, 150mm offline from bridgerail.								
Other Sign Types	Information, "McLeod River".								

Utilities (Located at)									
Utility Attachments	GAS UTILITIES-GAS LINE								
Telephone	West r/w.				Gas				
Power	3 wires East r/w.				Municipal				
Others					Problem (Y/N)		No		
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	Approach at all 4 corners. Horizontal curve North end. Bottom of sag.				
Vertical Alignment			6	6					
Roadway Width (m)		10.500							
Approach Bump			5	5					
Guardrail (Y/N)		Yes	Insufficient posts. Not thrie beam transition.						
Guardrail			7	6	53.2m @ NW & SE.				
Length (m)		45.600							
Current Standard (Y/N)		No							
Termination Type		Turned Down							
Drainage			5	5					
Approach Road General Rating			6	6					

Superstructure							
Bridge Component		Last	Now	Explanation of Condition			
(Primary Span : WG, 4 Spans, Lengths(m): 20-25-25-20, A-Ident Number: A0895-01)							
Special Features							
Special Feature			X				
(Type :)							
Special Feature			X				
(Type :)							
Wearing Surface/Deck Top Detail Ratings							
	N (%)	1 (%)	2 (%)	3 (%)			
Last							
Now							
Wearing Surface			5	5	Chipsealed, local bare spots @ North abutment joint SB & NB in S1.		
(Material Type : CONVENTIONAL CHIP SEAL COAT)							
(Thickness(mm) :)							
Deck Top			N	N			
Deck Rideability			8	8			
Deck Joints			4	4	<p>(North joint leaking @ G2 - photo. Icing on South abutment seat due to joint leakage. South abutment joint drain trough badly perforated but liner installed - still leaking onto seat.-02-Feb-2009)</p> <p>N. & S. joint rattles under traffic.</p> <p>South paving lip breaking up and potholes forming.-photo</p> <p>Small concrete spalls at North paving lip.</p>		
Temperature (deg. C)		11					
(Expansion Type : FINGER PLATES;ARMoured GLAND (WABO UNDER FINGER OR SLIDING PLATES))							
(Fixed Type :)							
Gap Size (mm)		Gap Location					
50		South abutment -finger plate					
93		North abutment -armoured					
Deck Drainage			5	5			
Drains Clogged (Y/N)		No					
Curbs/Median			6	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/Beam							
Cover Plate			X	X			
Flange			7	7			
Web			7	7			
Stiffeners			7	7			
Splice			7	7			
Weld			7	7			
Diaphragms/Cross Frame			7	7			

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : WG, 4 Spans, Lengths(m): 20-25-25-20, A-Ident Number: A0895-01)				
Paint Condition		6	6	weathering steel
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings		6	6	Pier bearings inspection from banks and headslopes- No issues apparent.
Temperature (deg. C)	11			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type : ROCKER BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		6	6	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		5	4	
Piles		N	N	
Paint/Coating		4	4	Moderate peeling, worst @ SW & NE.
Abutment Stability		7	7	
Scour/Erosion		5	4	100mm x 3m long void under AZ due to settlement.
Piers/Bents				
(Type : PIER-SOLID)				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 1:1:1)				Heavy scaling/delam @ pier 2 @ D/S end, approx 200mm deep - photo.-09-Nov-2010 Rating carried over - drift blocking P2.
Pier Shaft/Piles		4	4	
Bracing/Struts/Sheathing		X	X	
Nose Plate		7	7	
Paint/Coating		4	4	Peeling, blistering on 10%.
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		5	5	
Debris (Y/N)	Yes			Large drift accumulation @ nose plate P2 - photo.

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		4	4	GR carried forward from 09-Nov-2010
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible. Drift collecting on P2.
Drift (Y/N)	Yes			
Slope Protection		7	7	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	7	

Next Inspection Date	15-Jul-2014	Previous Inspection Date	09-Nov-2010
Inspection Cycle (Default) (months)	21		
Comment			