

Bridge Inspection									
Bridge File Number	76686 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1967/1993				Lot No.	2			
Bridge or Town Name	FAUST				Inspector Name	Russel Vanderschaaf			
Located Over	TRIBUTARY TO LESSER SLAVE RIVER, 8.11.80.44, WATERCRS-ST				Inspector Class	BR CLS B			
Located On	2:50 C1 11.509				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	12-Feb-2013			
Legal Land Location	SE SEC 10 TWP 73 RGE 11 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-115:36:08, 55:18:31				Data Entry Date	13-Apr-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA06				Review Date	07-Apr-2013			
Clear Roadway/Skew	12.8 / 0 deg.				Dept. Reviewer Name				
AADT/Year	1,800 / 2012 (A)				Dept. Review Date				
Road Classification	RAU-210-110				Follow-Up By				
Detour Length (km)	1								
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									
Hazard Marker At Bridge (Y/N)			No						
Remarks			Not required.						
Other Sign Types			"Oldman's Creek" sign in WB lane and EB lane. Bump sign in WB and EB lane.						

Utilities (Located at)									
Utility Attachments									
Telephone	South r/w.				Gas				
Power	6 wires North r/w.				Municipal				
Others	Fibre optic line north r/w.				Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			8	8	In shallow sag curve. No passing westbound.				
Vertical Alignment			7	7					
Roadway Width (m)			10.500		Recently patched.				
Approach Bump			7	7					
Guardrail (Y/N)			Yes		(Collision damage on SW rail.				
Guardrail			5	N	NW-32m SW-41m NE-41m SE-32m)26-Oct-2011				
Length (m)			32.000						
Current Standard (Y/N)			No						
Termination Type			Turned Down		Snow covered				
Drainage			7	7					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SC, 3 Spans, Lengths(m): 8.5-8.5-8.5, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Partly snow covered
Last					
Now	20.0				
Wearing Surface			5	5	Transverse crack over piers. Random longitudinal and transverse cracks through out. Long crack runs full length of bridge 0.7m South of road cl - possible ind. of lat. connection problem.
(Material Type : ACP) (Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			Crack over West abutment - 2.0cm deeo crossing bump.
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	Paved over. Buffer angles.
Bump (Y/N)		Yes			
Deck Drainage			7	4	No drains Leaking between all girders.
Drains Clogged (Y/N)					
Curbs/Median			4	N	Small spalls on outside of curb at top corner over piers on north side. Repair at East end S2 curb delaminated.-26-Oct-2011 Narrow longitudinal cracks along S1 and S2 curb facial. Snow covered
(Curb Type : Standard)					
Scaling (Percent Area)		1			
Bridge Rail			7	N	Insufficient threads 2 bolts on 2 posts at NW. Superficial surface rust beginning to form on rail.
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			4	N	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			5	N	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders			4	4	
Last Complete Inspection Date		12-Feb-2013			S1 G7 hairline cracking with efflorescence at P1. Med. long. crack outside face of S1G12. 300mmx100mm spall and narrow cracks with rust staining underside of S2G12. Covered by pavement. All other girders rated 7. Lift pockets filled with tar.--Snow covered Rust stains near connector pockets.
Cracking (Y/N)		Yes			
Spalling (Percent Area)		1			
Lift or Connector Pocket Grouted (Y/N)		No			
(Number Of Girders : 36)					
Span Alignment Problems					
Vertical (Y/N)		Yes			20mm jog in span alignment at pier 1. 25mm jog in Span align. @ P2. Est 40mm, abutments higher than piers.
Horizontal (Y/N)		Yes			
Superstructure General Rating			4	4	

Substructure						
Bridge Component				Last	Now	Explanation of Condition
Abutments						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 1500)						
(Total Number of Caps/Corbels : 3:3)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now					Cored in 2011 No Rot	
Bearing Seats/Caps/Corbels				6	6	
(Type : TREATED TIMBER)						
(Depth(mm) : 354)						
(Width(mm) : 305)						
Backwalls/Breastwalls				6	6	
Greatest Height (m)		1.65				
Wingwalls				5	5	
(Total Number of Bearing Piles : 9:9)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now					Cored in 2011 No rot.	
Piles				6	6	
Paint/Coating				X	X	
Abutment Stability				7	7	
Scour/Erosion				4	N	5m long erosion gully at top of headslope @ SE corner.
Piers/Bents						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 3:3)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now					Cored in 2011 No rot.	
Bearing Seats/Caps/Corbels				5	5	
(Type : TREATED TIMBER)						
(Depth(mm) : 305)						
(Width(mm) : 354)						
(Total Number of Bearing Piles : 12:12)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	1	Cored in 2011 No rot.	
Now				1		
Pier Shaft/Piles				3	3	
Greatest Height (m)		4.60				
Bracing/Struts/Sheathing				5	5	
Nose Plate				X	X	
Paint/Coating				X	X	
(Colour Description :)						
(Colour Code :)						
Pier Stability				4	4	N end of P1 leaning ~ 150mm to West.(photo)

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		5	5	
Debris (Y/N)	No			Drift piled up at end of piers.(photo)\Drift piled up along West side of W pier.-Removed
Substructure General Rating		4	3	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		7	7	
Bank Stability		4	N	Erosion 20m u/s @ SE bank.- Snow covered
HWM (m below Top of Curb)	2.0			Drift along banks.-26-Oct-2011 Beaver dam 40m U/S.
Drift (Y/N)	No			
Slope Protection		4	4	10mx3mx1.5m Deep scour at toe of West Headslope.(photo) SW corner
(Type : CONCRETE; CONCRETE)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		4	4	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2014	Tighten bridgebolts - carried over from Assessment.					
SEAL CURBS							
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION	2014	Repair erosion @ E and N headslopes					
PLACE ADDITIONAL RIP RAP	2014	Class 2 ~ 50m3					
REMOVE DRIFT ACCUMULATION	2014						
INSTALL STRUTS							
OTHER ACTION	2014	Partial depth repair on North curbs - carried over from Assessment.					
OTHER ACTION	2014	Grout lift hook pockets.-carried over from Assessment					
OTHER ACTION	2014	Band P2P2					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	44.4/38.9	Sufficiency Rating (Last/Now) (%)	56.5/54.6	Est. Repl. Yr	2029	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor P1. Monitor erosion at SE corner. Assessment (Feb 2012) repairs should be completed by Feb 2014.		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	Shane Hall		Previous Assistant's Name				
Next Inspection Date	12-Nov-2014		Previous Inspection Date	26-Oct-2011			
Inspection Cycle (Default) (months)	21						
Comment							