

Bridge Inspection										
Bridge File Number	73921 E-2 Bridge				Form Type	PCS				
Year Built/Year Supstr	2002/2002				Lot No.	2				
Bridge or Town Name	FOX CREEK				Inspector Name	Brian Pientsch				
Located Over	IOSEGUN RIVER, 8.10.58.7.32, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	43:12 R1 16.968				Assistant Name	Russel Vanderschaaf				
Water Body Cl./Year					Assistant Class	BR CLS B				
Navigabil. Cl./Year					Inspection Date	28-Nov-2012				
Legal Land Location	SE SEC 35 TWP 61 RGE 18 W5M				Data Entry By	Theresa Lacusta				
Longitude, Latitude	-116:35:15, 54:18:52				Data Entry Date	08-Jan-2013				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux				
Contract Main. Area	CMA03				Review Date	19-Dec-2012				
Clear Roadway/Skew	12.5 /				Dept. Reviewer Name	David Morrison				
AADT/Year	6,290 / 2011 (A)				Dept. Review Date	19-Mar-2013				
Road Classification	RAD-412.4-120				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	Not required								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types	Curve, Iosegun River.								

Utilities (Located at)									
Utility Attachments	POWER UTILITIES-POWER LINE								
Telephone					Gas				
Power	Single wire 50m south				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	4 post blocks burned 90deg SE corner - not split.				
Vertical Alignment			7	7					
Roadway Width (m)		12.500							
Approach Bump			7	7					
Guardrail (Y/N)		Yes							
Guardrail			7	4					
Length (m)		91.200							
Current Standard (Y/N)		Yes							
Termination Type		TURNED DOWN ENDS							
Drainage			N	N					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SCC, 3 Spans, Lengths(m): 10-12-10, 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	25	0	0	0	
Now	40.0				
Wearing Surface			4	4	About 10 - 100mm dia. sized potholes and cracks in driving lanes.
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			X	X	
Bump (Y/N)		No			
Deck Drainage			7	7	No deck drains.
Drains Clogged (Y/N)		No			
Curbs/Median			N	N	Hairline cracks in curbs at 900mm spacing on east span. Snow covered.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			8	8	PL-2 Double tube.
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			8	8	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			8	8	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders			5	5	Rust spots on S side SP3 G1and Sp2 G1 + 11 Not from stressing strand
Last Complete Inspection Date		07-May-2011			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 33)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			5	5	

Substructure						
Bridge Component				Last	Now	Explanation of Condition
Abutments						
(Extended Backwall Piles (Y/N) : N)						
(Extended Backwall Piles Spacing(mm) :)						
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels				8	8	
(Type : CONCRETE)						
(Depth(mm) : 800)						
(Width(mm) : 600)						
Backwalls/Breastwalls				X	X	
Greatest Height (m)		1.00				
Wingwalls				8	8	
(Total Number of Bearing Piles : 6:6)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	12	0	0	0		
Now	12					
Piles				N	N	
Paint/Coating				5	5	Coating 15% peeling.
Abutment Stability				7	7	
Scour/Erosion				4	7	150mm of settlement under caps.- repaired
Piers/Bents						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels				8	8	
(Type : CONCRETE)						
(Depth(mm) : 1000)						
(Width(mm) : 1000)						
(Total Number of Bearing Piles : 6:6)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Pier Shaft/Piles				8	8	
Greatest Height (m)		4.50				
Bracing/Struts/Sheathing				8	8	
Nose Plate				X	X	
Paint/Coating				8	6	
(Colour Description :)				Grey pigmented sealer.		
(Colour Code :)				Coating 5% peeling.		

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		8	8	
Scour		8	8	
Debris (Y/N)	No			
Substructure General Rating		7	7	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : 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 : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	9	
(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							
PLACE ADDITIONAL RIP RAP	2013	Repair gully in NE ditch with 10m3 class 1 riprap-carried over 07-May-2009					
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	67.8/67.6	Est. Repl. Yr	2072	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	Brian Pientsch		Previous Assistant's Name	Russel Vanderschaaf			
Next Inspection Date	28-Aug-2014		Previous Inspection Date	07-Mar-2011			
Inspection Cycle (Default) (months)	21						
Comment							