

Bridge Inspection										
Bridge File Number	81058 -1 Bridge				Form Type	PCS				
Year Built/Year Supstr	1988/1988				Lot No.	2				
Bridge or Town Name	ERSKINE				Inspector Name	Dave Lam				
Located Over	TRIBUTARY TO TAIL CREEK, 3.65.1, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	835:02 C1 31.332				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	12-Jul-2011				
Legal Land Location	SW SEC 36 TWP 38 RGE 21 W4M				Data Entry By	Marcia Chavez				
Longitude, Latitude	-112:53:09, 52:18:29				Data Entry Date	21-Aug-2011				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien				
Contract Main. Area	CMA20				Review Date	28-Jul-2011				
Clear Roadway/Skew	10 /				Dept. Reviewer Name	Andrew Smikles				
AADT/Year	540 / 2010 (A)				Dept. Review Date	29-Aug-2011				
Road Classification	RCU-209-110				Follow-Up By					
Detour Length (km)	3									
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member			
Design Loading:	MS23						----> 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	Not required.								
Hazard Marker At Bridge (Y/N)	No								
Remarks	Not required.								
Other Sign Types									

Utilities (Located at)										
Utility Attachments										
Telephone	11 meters West c/l.				Gas					
Power					Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7					
Vertical Alignment			8	8					
Roadway Width (m)	9.000				30mm dip at S approach (photo).				
Approach Bump			7	4					
Guardrail (Y/N)	Yes				Guardrail damaged slightly on E side.				
Guardrail			6	6					
Length (m)	32.000				Not strong post with TT blocking (photo).				
Current Standard (Y/N)	No								
Termination Type	TURNEDDOWN ENDS								
Drainage			7	7					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SM, 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					
Now	0.0	0.0	0.0	0.0	
Wearing Surface			8	7	Long. cracks sealed.
(Material Type : ACP - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	Yes				
Deck Top			N	N	(Some spalling on end of girders due to snow removal.) 011219
Deck Rideability			8	7	
Deck Joints			X	X	
Bump (Y/N)		No			
Deck Drainage			8	8	No drains.
Drains Clogged (Y/N)					
Curbs/Median			8	8	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			4	4	Single layer - missing 20 flexbeam splice bolts (photo 5); missign holes in some cases. Painted.
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			8	8	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			5	5	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	9	0	0	0	
Girders			7	N	Not accessible due to high water; viewed from 4 corners. R=7 in 19Mar2005 inspection. (Rust stains from connectors especially in gutter area. 19Mar2005). Curb lift pockets not grouted.
Last Complete Inspection Date					
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		No			
(Number Of Girders : 9)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			7	7	GR carried forward from 19Mar2005.

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : Y)				+2 ext piles 1.7m from last bearing pile.		
(Extended Backwall Piles Spacing(mm) : 1700)						
(Total Number of Caps/Corbels : 1:1)				H-beam.		
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Bearing Seats/Caps/Corbels		8	8			
(Type : STEEL)						
(Depth(mm) :)						
(Width(mm) :)						
Backwalls/Breastwalls		8	8	All piles have backwall scabs. (19Mar2005).		
Greatest Height (m)		2.70				
Wingwalls		6	6	NW & SE wingwall piles are slightly damaged.		
(Total Number of Bearing Piles : 9:9)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	18	0	0	0		
Piles		8	N			
Paint/Coating		5	5	HP caps not painted.		
Abutment Stability		8	N	Submerged.		
Scour/Erosion		N	4	Scour at SW & NE wingwalls.		
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)	No			
Substructure General Rating		7	8	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction :)				Equalizing btwn 2 sides of lake.
(D/S Direction :)				
Alignment		8	8	
Bank Stability		8	4	SW & NE corners eroding (photo).
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		6	N	Under water.
(Type :)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		6	4	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2011	Install 20 flexbeam splice bolts. Upgrade to double layer to meet std. at major rehab.					
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	2011	At embankment at end of SW & NE wingwalls; repair scour.					
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS	2011	Patch dip at S approach.					
OTHER ACTION	2011	Patch curb lift pockets.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	77.8/83.3	Sufficiency Rating (Last/Now) (%)	83.6/73.4	Est. Repl. Yr	2034	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Check scour on wingwalls.		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	Randy Bredo		Previous Assistant's Name				
Next Inspection Date	12-Oct-2014		Previous Inspection Date	19-Mar-2005			
Inspection Cycle (Default) (months)	39						
Comment							