

Bridge Inspection										
Bridge File Number	07860 -2 Bridge				Form Type	PCS				
Year Built/Year Supstr	2007/2006				Lot No.	3				
Bridge or Town Name	ETZICOM				Inspector Name	Tom Carey				
Located Over	ETZIKOM COULEE, 11.9, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	885:02 C1 20.255				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	14-Mar-2012				
Legal Land Location	SW SEC 24 TWP 5 RGE 9 W4M				Data Entry By	Anne Roberts				
Longitude, Latitude	-111:06:16, 49:23:32				Data Entry Date	10-Apr-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts				
Contract Main. Area	CMA24				Review Date	25-Mar-2012				
Clear Roadway/Skew	9 /				Dept. Reviewer Name	Tim Davies				
AADT/Year	150 / 2011 (A)				Dept. Review Date	17-Apr-2012				
Road Classification	RCU-208-110				Follow-Up By					
Detour Length (km)	7									
Allowable Load (t):	Single		Semi		Train		----> On Critical Spans ---->Critical Member			
Design Loading:								----> 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 req'd								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types									

Utilities (Located at)										
Utility Attachments										
Telephone	West ditch				Gas					
Power					Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			9	9					
Vertical Alignment			8	8					
Roadway Width (m)	8.000								
Approach Bump			8	8					
Guardrail (Y/N)			Yes						
Guardrail			9	9					
Length (m)	25.000								
Current Standard (Y/N)			Yes						
Termination Type			Turndown						
Drainage			9	9					
<b>Approach Road General Rating</b>			<b>8</b>	<b>8</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>SC, 1 Spans, Lengths(m): 12.8, A-Ident Number: )</b>					
<b>Special Features</b>					
Special Feature					
(Type : )					
Special Feature					
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>					
<b>Now</b>					
Wearing Surface			X	X	
(Material Type : )					
(Thickness(mm) : )					
Lateral Connection Problem (Y/N)					
Deck Top			9	9	
Deck Rideability			9	9	
Deck Joints			9	X	
Bump (Y/N)		No			
Deck Drainage			9	9	
Drains Clogged (Y/N)		No			
Curbs/Median			X	X	plinths - no curb
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			9	9	
(Type : <b>GALVANIZED STEEL THRIE BEAM</b> )					
Bridge Rail Posts			9	9	
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			9	9	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>	0	0	0	0	
Girders			9	9	Viewed from SW & NW corners
Last Complete Inspection Date		14-Mar-2012			
Cracking (Y/N)		No			
Spalling (Percent Area)					
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : <b>8</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>9</b>	<b>9</b>	

Substructure									
Bridge Component		Last	Now	Explanation of Condition					
<b>Abutments</b>									
(Extended Backwall Piles (Y/N) : Y)									
(Extended Backwall Piles Spacing(mm) : 1900)									
(Total Number of Caps/Corbels : 1:1)				Viewed from SW and NW corners					
Bearing Seats/Caps/Corbels Detail Ratings									
	N (count)	1 (count)	2 (count)				3 (count)		
<b>Last</b>									
<b>Now</b>	0	0	0				0		
Bearing Seats/Caps/Corbels							9	9	
(Type : STEEL)									
(Depth(mm) : 305)									
(Width(mm) : 305)									
Backwalls/Breastwalls							9	9	
Greatest Height (m)		1.90							
Wingwalls				9	9				
(Total Number of Bearing Piles : 6:6)				Top 400 mm seen					
Piles Detail Ratings									
	N (count)	1 (count)	2 (count)				3 (count)		
<b>Last</b>									
<b>Now</b>	0	0	0				0		
Piles							9	9	
Paint/Coating							9	9	
Abutment Stability							9	9	
Scour/Erosion							9	4	
Erosion 300 x 300 x 400 deep at all 4 corners behind wingwalls.									
<b>Piers/Bents</b>									
(Type : )									
(Total Number of Caps/Corbels : )									
Bearing Seats/Caps/Corbels Detail Ratings									
	N (count)	1 (count)	2 (count)	3 (count)					
<b>Last</b>									
<b>Now</b>									
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)		
<b>Last</b>									
<b>Now</b>									
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	Water too deep to see
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>9</b>	<b>9</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				Bridge is on causeway across lake
(D/S Direction : <b>E</b> )				
Alignment		9	9	
Bank Stability		8	8	
HWM (m below Top of Curb)	1.2			
Drift (Y/N)	No			
Slope Protection		9	8	
(Type : <b>RIP RAP; RIP RAP</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	9	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>9</b>	<b>8</b>	

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	2013	Fill in erosion behind wing walls 0.1 m 3 granular or cold mix.					
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>100.0/100.0</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>85.7/84.5</b>	Est. Repl. Yr	2064	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	Tim Davies		Previous Assistant's Name				
Next Inspection Date	14-Jun-2015		Previous Inspection Date	02-Feb-2009			
Inspection Cycle (Default) (months)	39						
Comment							