

Bridge Inspection											
Bridge File Number	72527 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1976/1976				Lot No.	2					
Bridge or Town Name	FORT ASSINIB				Inspector Name	Wade Nanninga					
Located Over	CLEARWATER CREEK, 8.11.89, WATERCRS-ST				Inspector Class	BR CLS B					
Located On	661:02 C1 12.485				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	20-May-2010					
Legal Land Location	SW SEC 12 TWP 63 RGE 6 W5M				Data Entry By	Theresa Lacusta					
Longitude, Latitude	-114:46:13, 54:25:57				Data Entry Date	29-Jun-2010					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer					
Contract Main. Area	CMA10				Review Date	24-Jun-2010					
Clear Roadway/Skew	8.8 /				Dept. Reviewer Name	Brent Herrick					
AADT/Year	350 / 2009 (A)				Dept. Review Date	05-Jul-2010					
Road Classification	RCU-209-110				Follow-Up By						
Detour Length (km)	6										
Allowable Load (t):	Single	CS1 28			Semi	CS2 49			Train	CS3 62	----> On Critical Spans ---->Critical Member
Design Loading:	HS25									----> 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)	Yes								
Remarks									
Other Sign Types	Clearwater Creek								

Utilities (Located at)									
Utility Attachments									
Telephone	West r/w.				Gas				
Power	2 wires 20 m east of c/l.				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Farm entrance to SE. No passing SB. Crest curve with limited sight distance.				
Vertical Alignment			6	6					
Roadway Width (m)			8.700						
Approach Bump			6	6					
Guardrail (Y/N)			Yes						
Guardrail			N	6					
Length (m)			15.200						
Current Standard (Y/N)			Yes						
Termination Type			Turn Down						
Drainage			N	4	Erosion adjacent to SE & NE wing. 2m x 1mx1m, reduced support for guardrail post.				
<b>Approach Road General Rating</b>			<b>6</b>	<b>6</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>VS, 1 Spans, Lengths(m): 6.1, A-Ident Number: )</b>					
<b>Special Features</b>					
Special Feature			X		
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>					
<b>Now</b>					
Wearing Surface			5	5	(Gap @ centerline - 2000/11/12) Paved over. 3 girderline cracks in ACP.
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)	Yes				
Deck Top			N	N	Asphalt on deck top.
Deck Rideability			6	6	
Deck Joints			N	N	Covered with asphalt.
Bump (Y/N)	Yes				
Deck Drainage			7	7	
Drains Clogged (Y/N)					
Curbs/Median			N	5	Small spalled area around posts on east curb.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)	0				
Bridge Rail			7	7	Single layer.  (Missing 1 A/B nut on east rail post. 6 other AB nuts not fully threaded.
(Type : <b>GALVANIZED STEEL FLEX BEAM</b> )					
Bridge Rail Posts			N	3	
(Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			7	7	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	Viewed from banks due to water depth.
<b>Last</b>					
<b>Now</b>	8	0	0	0	
Girders			4	N	Evidence of leaking between girders. Stained between several girders. (The failed connectors at 04/5 have been repaired - photo. Delamination on G2.-02-Mar-2007)
Last Complete Inspection Date	02-Mar-2007				
Cracking (Y/N)	No				
Spalling (Percent Area)	0				
Lift or Connector Pocket Grouted (Y/N)					
(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>4</b>	<b>4</b>	GR carried fwd from 02-Mar-2007

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : Y)				No file tag.		
(Extended Backwall Piles Spacing(mm) : 1400)				Crowned subcap 300 x 300. Vertical crack through part of South abutment cap.		
(Total Number of Caps/Corbels : 3:3)				Viewed from banks due to water depth.		
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)	Slight rolling of North cap (5 degrees).	
<b>Last</b>						
<b>Now</b>						
Bearing Seats/Caps/Corbels			5	5		
(Type : TREATED TIMBER)						
(Depth(mm) : 356)						
(Width(mm) : 305)						
Backwalls/Breastwalls			4	4	(Vertical sheeting has moved inwards for 300 mm because waler is missing and shtg does not reach cap. Whaler missing on SW side.-02-Mar-2007)	
Greatest Height (m)		2.80			Backwall @ NE is cracked/broken.-photo	
Wingwalls			6	4	WW leaning - 1 broken plank at NE.	
(Total Number of Bearing Piles : 9:9)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)	5mm crack in P8 S. abut. Backwall scabs installed too low.	
<b>Last</b>						
<b>Now</b>						
Piles			6	4		
Paint/Coating			X	X		
Abutment Stability			5	5		
Scour/Erosion			N	N		
<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		

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Paint/Coating		X	X	
(Colour Description : )				
(Colour Code : )				
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	Yes			Old piles adjacent to new ones.
<b>Substructure General Rating</b>		<b>5</b>	<b>4</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : )				
(D/S Direction : )				
Alignment		7	7	
Bank Stability		N	5	(0.5m above top of cap, water levels to edge of road July 2000.) teep banks at all 4 corners.
HWM (m below Top of Curb)	0.3			
Drift (Y/N)	Yes			
Slope Protection		N	5	Some rock visible.
(Type : <b>RIP RAP; RIP RAP</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		5	5	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>4</b>	<b>5</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2010	Replace missing AB nut					
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							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>50.0/44.4</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>61.7/61.1</b>	Est. Repl. Yr	2016	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor backwall for further movement. Consider repairing backwall in near future.		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	Dave Lam		Previous Assistant's Name				
Next Inspection Date	20-Aug-2013		Previous Inspection Date	02-Mar-2007			
Inspection Cycle (Default) (months)	39						
Comment							