

Bridge Inspection										
Bridge File Number	73818 -1 Bridge				Form Type	PCS				
Year Built/Year Supstr	1975/1975				Lot No.	1				
Bridge or Town Name	FOREMOST				Inspector Name	Jason Rusu				
Located Over	ETZIKOM COULEE, 11.9, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	879:02 C1 20.897				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	17-Mar-2012				
Legal Land Location	NW SEC 16 TWP 5 RGE 11 W4M				Data Entry By	Lauren Korte				
Longitude, Latitude	-111:26:26, 49:23:27				Data Entry Date	11-Apr-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts				
Contract Main. Area	CMA24				Review Date	23-Mar-2012				
Clear Roadway/Skew	8.7 /				Dept. Reviewer Name	Tim Davies				
AADT/Year	270 / 2011 (A)				Dept. Review Date	17-Apr-2012				
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									
Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types	Bridge narrows North bound South bound.								

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

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		7	7	Hill 50m North.					
Vertical Alignment		4	5	Hill 150m South.					
Roadway Width (m)	10.000								
Approach Bump		5	5						
Guardrail (Y/N)	Yes	2 accident damaged posts at NW .							
Guardrail		7	4	Not thriebeam.					
Length (m)	8.200								
Current Standard (Y/N)	No								
Termination Type	TURN DOWN								
Drainage		7	7						
Approach Road General Rating		4	5						

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : VS, 3 Spans, Lengths(m): 6.1-9.1-6.1, 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				6	6	
(Material Type : ACP)						
(Thickness(mm) : 50)						
Lateral Connection Problem (Y/N)		No				
Deck Top			N	N		
Deck Rideability			6	6		
Deck Joints			N	N		
Bump (Y/N)		No				
Deck Drainage			5	4	Drainholes paved over. Concrete cracking around.	
Drains Clogged (Y/N)		No				
Curbs/Median			4	5	Spall in the NW corner with exposed rebar -No Change.	
(Curb Type : Standard)						
Scaling (Percent Area)		0				
Bridge Rail			5	5		
(Type : GALVANIZED STEEL FLEX BEAM)						
Bridge Rail Posts			4	5		
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating			6	6		
Sidewalk			X	X	Staining @ the connector Joints.	
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	1		
Girders			4	3	Span 1-large breakage with rebar exposed on 4 & 6. Longitudinal crack at S1 G8 with corrosion staining- entire length of curb girder.	
Last Complete Inspection Date		17-Mar-2012				
Cracking (Y/N)		Yes				
Spalling (Percent Area)		3				
Lift or Connector Pocket Grouted (Y/N)		Yes				
(Number Of Girders : 24)						
Span Alignment Problems						
Vertical (Y/N)		No				
Horizontal (Y/N)		Yes				
Superstructure General Rating			4	3		

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
Abutments					
(Extended Backwall Piles (Y/N) : Y)					
(Extended Backwall Piles Spacing(mm) : 1200)					
(Total Number of Caps/Corbels : 3:3)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Bearing Seats/Caps/Corbels				5	5
(Type : TREATED TIMBER)					
(Depth(mm) : 300)					
(Width(mm) : 350)					
Backwalls/Breastwalls				5	5
Greatest Height (m)		2.81			
Wingwalls				6	6
(Total Number of Bearing Piles : 9:9)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Piles				5	5
Paint/Coating				X	X
Abutment Stability				5	5
Scour/Erosion				6	6
Piers/Bents					
(Type : PIER-COLUMN)					
(Total Number of Caps/Corbels : 7:7)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Bearing Seats/Caps/Corbels				5	5
(Type : TREATED TIMBER)					
(Depth(mm) : 300)					
(Width(mm) : 350)					
(Total Number of Bearing Piles : 9:9)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Pier Shaft/Piles				5	5
Greatest Height (m)		2.50			
Bracing/Struts/Sheathing				5	5
Nose Plate				4	5
Paint/Coating				X	X
(Colour Description :)					
(Colour Code :)					
Pier Stability				5	5

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		6	6	
Debris (Y/N)	No			
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		8	8	
Bank Stability		8	8	
HWM (m below Top of Curb)				HWM Not visible.
Drift (Y/N)	No			
Slope Protection		8	8	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		8	8	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012	Replace damaged guardrail posts @ NW.					
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	2012	Determine source of corrosion staining.					
OTHER ACTION	2012	Patch girder breakage @ S1 G6.					
OTHER ACTION	2012	Re-Establish deck drainage.					
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	50.0/44.4	Sufficiency Rating (Last/Now) (%)	55.5/60.4	Est. Repl. Yr	2013	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	17-Jun-2015		Previous Inspection Date	11-Feb-2009			
Inspection Cycle (Default) (months)	39						
Comment							