

Bridge Inspection							
Bridge File Number	13896 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1967/1967			Lot No.	2		
Bridge or Town Name	GOODFARE			Inspector Name	Russel Vanderschaaf		
Located Over	TRIBUTARY TO BEAVERLODGE RIVER, 8.10.58.18.8.1.12, WATERCRS-ST			Inspector Class	BR CLS B		
Located On	671:02 C1 19.883			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	14-May-2010		
Legal Land Location	SW SEC 27 TWP 72 RGE 11 W6M			Data Entry By	Theresa Lacusta		
Longitude, Latitude	-119:36:47, 55:15:28			Data Entry Date	14-Jun-2010		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Arnold Assenheimer		
Contract Main. Area	CMA05			Review Date	07-Jun-2010		
Clear Roadway/Skew	9.1 / 30 deg. (RHF)			Dept. Reviewer Name	Steve Pasquan		
AADT/Year	730 / 2009 (A)			Dept. Review Date	19-Aug-2010		
Road Classification	RCU-209-110			Follow-Up By			
Detour Length (km)	6						

Allowable Load (t):	Single	CS1 28 GIRDER	Semi	CS2 49 GIRDER	Train	CS3 65 GIRDER	----> On Critical Spans ---->Critical Member
Design Loading:	HS20						----> 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							

Hazard Marker At Bridge (Y/N)	Yes						
Remarks	"Roadway Narrows"						
Other Sign Types	300m E & W ends, "Road winds" 50m W.						

Utilities (Located at)			
Utility Attachments			
Telephone	South side	Gas	30m east of bridge
Power	16m N of centerline - 2 w.	Municipal	
Others		Problem (Y/N)	No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		6	6	Intersection & field entrance N. side @ bridge - curve to south 300 m west.
Vertical Alignment		8	8	
Roadway Width (m)	11.000			
Approach Bump		5	5	
Guardrail (Y/N)	Yes			
Guardrail		N	7	
Length (m)	11.400			
Current Standard (Y/N)	No			
Termination Type	TURNED DOWN ENDS			
Drainage		7	7	

Approach Road					
		Last	Now	Explanation of Condition	
Approach Road General Rating		6	6		
Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : HC, 1 Spans, Lengths(m): 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					
Wearing Surface		7	7		
(Material Type : CONCRETE)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	No				
Deck Top		N	N		
Deck Rideability		5	7		
Deck Joints		N	N		
Bump (Y/N)	Yes				
Deck Drainage		7	7		
Drains Clogged (Y/N)	No				
Curbs/Median		N	7		
(Curb Type : Standard)					
Scaling (Percent Area)	1				
Bridge Rail		7	7		
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts		N	7		
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating		N	7		
(Type : GALVANIZED)					
Sidewalk		X	X		
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders		5	4	8 girders are cracking. G11 has spall in the AZ of 1 leg. Girders with wide cracks, have been injected.	
Last Complete Inspection Date	14-May-2010				
Cracking (Y/N)	Yes				
Spalling (Percent Area)	4				
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : 11)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : HC, 1 Spans, Lengths(m): 6.1, A-Ident Number:)						
Superstructure General Rating		5	4			
Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : N)						
(Extended Backwall Piles Spacing(mm) :)						
		NE caps rotating - NE corner of sub-cap has a vertical crack.				
(Total Number of Caps/Corbels : 7:7)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)	NE caps rotating 100mm towards E. abut - NE corner of sub-cap has a vertical crack.-photo	
Last						
Now						
Bearing Seats/Caps/Corbels		4	4			
(Type : TREATED TIMBER)						
(Depth(mm) : 350)						
(Width(mm) : 300)						
Backwalls/Breastwalls		4	5			
Greatest Height (m)		3.30				
Wingwalls		4	5			
(Total Number of Bearing Piles : 7:7)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)	P7 West abut vertical split, band broken.-photo	
Last						
Now						
Piles		5	4			
Paint/Coating		X	X			
Abutment Stability		4	4			
Scour/Erosion		4	5			
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) :)						

Substructure						
Bridge Component				Last	Now	Explanation of Condition
(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				6	6	7 struts.
Nose Plate				X	X	
Paint/Coating				X	X	
(Colour Description :)						
(Colour Code :)						
Pier Stability				X	X	
Scour				X	X	
Debris (Y/N)		No				
Substructure General Rating				3	4	
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				4	5	
(Type :)						
Guidebank/Spurs				X	X	
Adequacy of Opening				5	5	
(Fish Compensation Measure 1 : NONE)						
(Fish Compensation Measure 2 : NONE)						
Channel General Rating				4	7	

