

Bridge Inspection							
Bridge File Number	13541 -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	BEAVERTAIL CREEK, 8.10.58.18.8.1.15, WATERCRS-ST			Inspector Class	BR CLS B		
Located On	671:02 C1 11.573			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	14-May-2010		
Legal Land Location	SW SEC 26 TWP 72 RGE 12 W6M			Data Entry By	Theresa Lacusta		
Longitude, Latitude	-119:44:28, 55:15:28			Data Entry Date	21-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 /			Dept. Reviewer Name	Steve Pasquan		
AADT/Year	730 / 2009 (A)			Dept. Review Date	10-Sep-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	
Other Sign Types	

Utilities (Located at)			
Utility Attachments			
Telephone	South side r/w	Gas	
Power	North r/w - 2 W.	Municipal	
Others		Problem (Y/N)	No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Local road intersection 100m west.
Vertical Alignment		8	8	
Roadway Width (m)	11.000			
Approach Bump		6	7	
Guardrail (Y/N)	Yes			
Guardrail		N	7	
Length (m)	7.300			
Current Standard (Y/N)	No			
Termination Type	TURNED DOWN ENDS			
Drainage		7	4	SW corner eroding into APC 1.5mL x 0.4mD x 0.3mW.-photo
Approach Road General Rating		7	7	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : HC, 3 Spans, Lengths(m): 6.1-8.5-6.1, 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 : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)					
Deck Top			N	N	
Deck Rideability			8	8	
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)		25			
Bridge Rail			4	4	18 bolts missing on South side and 20 bolts missing on North side.- photo
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			7	7	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	9	0	0	0	
Girders			4	4	11/33 girders cracking 3 of these have wide cracking in the anchorage zone of 1 leg.-Concrete sound. Could only view span 2 from banks due to water.
Last Complete Inspection Date		27-Feb-2007			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		1			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : 33)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			4	4	

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
Abutments					
(Extended Backwall Piles (Y/N) : N)					
(Extended Backwall Piles Spacing(mm) :)					
(Total Number of Caps/Corbels : 5:5)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Bearing Seats/Caps/Corbels				8	7
(Type : TREATED TIMBER)					
(Depth(mm) : 350)					
(Width(mm) : 300)					
Backwalls/Breastwalls				8	7
Greatest Height (m)		2.33			
Wingwalls				N	4
(Total Number of Bearing Piles : 7:7)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Piles				4	4
Paint/Coating				X	X
Abutment Stability				8	4
Scour/Erosion				8	7
Piers/Bents					
(Type : PIER-COLUMN)					
(Total Number of Caps/Corbels : 6:6)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Bearing Seats/Caps/Corbels				8	7
(Type : TREATED TIMBER)					
(Depth(mm) :)					
(Width(mm) :)					

150mm Dx300mmW cap on top.
350mmDx300mmW cap under top cap.
Two 300mmx300mm subcap over P1&P2 and P6&P7.

Pile 1 on east abut split (Photo)

Pile on East abutment split.-photo

150mmDx300mmW cap on top.
350mmDx300mmW cap underneath
two 300x300mm caps on P1 and P2 and P8 and 9.

Substructure							
Bridge Component					Last	Now	Explanation of Condition
(Total Number of Bearing Piles : 9:9)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now							
Pier Shaft/Piles				8	7		
Greatest Height (m)		3.20					
Bracing/Struts/Sheathing				8	7		
Nose Plate				X	X		
Paint/Coating				X	X		
(Colour Description :)							
(Colour Code :)							
Pier Stability				8	7		
Scour				7	7		
Debris (Y/N)		No					
Substructure General Rating				4	4		
Structure Usage							
					Last	Now	Explanation of Condition
Channel							
(U/S Direction : S)							
(D/S Direction : N)							
Alignment				8	8		
Bank Stability				8	8		
HWM (m below Top of Curb)							HWM not visible.
Drift (Y/N)		No					
Slope Protection				7	7		
(Type : RIP RAP)							
Guidebank/Spurs				X	X		
Adequacy of Opening				7	7		
(Fish Compensation Measure 1 : NONE)							
(Fish Compensation Measure 2 : NONE)							
Channel General Rating				7	7		

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2010	Replace missing bolts.					
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	2010	Band pile 1 on east side.					
OTHER ACTION	2010	Repair damaged tin top.					
OTHER ACTION	2010	Fix scour on SW corner in APC.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	44.4/44.4	Sufficiency Rating (Last/Now) (%)	59.4/57.3	Est. Repl. Yr	2028	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	Brian Pientsch		Previous Assistant's Name				
Next Inspection Date	14-Aug-2013		Previous Inspection Date	27-Feb-2007			
Inspection Cycle (Default) (months)	39						
Comment							