

Bridge Inspection							
Bridge File Number	08963 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1969/1969			Lot No.	1		
Bridge or Town Name	HYTHE			Inspector Name	Russel Vanderschaaf		
Located Over	BEAVERTAIL CREEK, 8.10.58.18.8.1.15, WATERCRS-ST			Inspector Class	BR CLS B		
Located On	672:02 C1 8.064			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	11-May-2010		
Legal Land Location	SE SEC 17 TWP 73 RGE 11 W6M			Data Entry By	Theresa Lacusta		
Longitude, Latitude	-119:38:32, 55:18:58			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	480 / 2009 (A)			Dept. Review Date	10-Sep-2010		
Road Classification	RCU-209-110			Follow-Up By			
Detour Length (km)	10						
Allowable Load (t):	Single	CS1 30 GIRDER	Semi	CS2 49 GIRDER	Train	CS3 70 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		Gas
Power	NORTH SIDE OF ROAD-4w.		Municipal
Others			Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		6	6	APPROACH ROAD IMMEDIATELY OFF WEST END OF BRIDGE FROM NORTH. Bump at east end.
Vertical Alignment		9	9	
Roadway Width (m)	10.500			
Approach Bump		6	6	
Guardrail (Y/N)	Yes			
Guardrail		N	N	
Length (m)	12.000			
Current Standard (Y/N)	No			
Termination Type	TURN DOWN ENDS			
Drainage		7	7	
Approach Road General Rating		6	6	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : HC, 3 Spans, Lengths(m): 10.1-10.1-10.1, 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			X	X	
(Material Type :)					
(Thickness(mm) :)					
Lateral Connection Problem (Y/N)		No			
Deck Top			6	6	
Deck Rideability			7	7	
Deck Joints			7	7	
Bump (Y/N)		No			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			N	7	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			4	7	NORTH BRIDGE RAIL HAS METERING DEVICE BOLTED TO IT.
(Type : FLEX BEAM)					
Bridge Rail Posts			7	7	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type :)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last				6	
Now	0	0	0	11	
Girders			3	3	All Girders are cracking. Couldn't inspect span due to water level. 11 girder have a combination of wide cracking and spalling with sound concrete above reinforcing bar in both legs in AZ.-photo
Last Complete Inspection Date		27-Feb-2007			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		35			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 33)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			3	3	

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
Abutments					
(Extended Backwall Piles (Y/N) : Y)					
(Extended Backwall Piles Spacing(mm) : 1500)					
(Total Number of Caps/Corbels : 3:3)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Bearing Seats/Caps/Corbels				6	5
(Type : TREATED TIMBER)					
(Depth(mm) : 350)					
(Width(mm) : 300)					
Backwalls/Breastwalls			6	4	West and East backwall sheeting is not loww enough.-photo
Greatest Height (m)		1.70			
Wingwalls			N	N	
(Total Number of Bearing Piles : 10:10)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Piles				6	5
Paint/Coating				X	X
Abutment Stability				6	5
Scour/Erosion				7	7
Piers/Bents					
(Type : PIER-COLUMN)					
(Total Number of Caps/Corbels : 3:3)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Bearing Seats/Caps/Corbels				5	5
(Type : TREATED TIMBER)					
(Depth(mm) : 360)					
(Width(mm) : 300)					
(Total Number of Bearing Piles : 10:10)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Pier Shaft/Piles				4	4
Greatest Height (m)		4.00			
Viewed from banks					
P2 pile 7 cased in metal casing.					
Pier 2 tilted West 50mm. Viewed from banks.					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Bracing/Struts/Sheathing		7	7	12 steel struts - 4/span.
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		6	4	
Scour		6	6	
Debris (Y/N)	Yes			
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		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Yes			
Slope Protection		6	6	
(Type :)				
Guidebank/Spurs		N	N	
Adequacy of Opening		6	6	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		6	6	

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							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2010	Assessment of structure during Winter.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	38.9/38.9	Sufficiency Rating (Last/Now) (%)	56.4/57.4	Est. Repl. Yr	2011	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor girder cracking.		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	11-Aug-2013		Previous Inspection Date	27-Feb-2007			
Inspection Cycle (Default) (months)	39						
Comment							