

Bridge Inspection									
Bridge File Number	07064 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1982/1982				Lot No.	4			
Bridge or Town Name	BEAVERLODGE				Inspector Name	Brian Pientsch			
Located Over	BEAVERLODGE RIVER, 8.10.58.18.8.1, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	667:04 C1 0.648				Assistant Name	Russel Vanderschaaf			
Water Body Cl./Year					Assistant Class	BR CLS B			
Navigabil. Cl./Year					Inspection Date	25-Jun-2010			
Legal Land Location	SW SEC 26 TWP 71 RGE 10 W6M				Data Entry By	Jill Potts			
Longitude, Latitude	-119:25:33, 55:10:14				Data Entry Date	13-Oct-2010			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer			
Contract Main. Area	CMA05				Review Date	16-Sep-2010			
Clear Roadway/Skew	9.1 /				Dept. Reviewer Name	Steve Pasquan			
AADT/Year					Dept. Review Date	18-Nov-2010			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	13								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	MS230						----> 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	Not required.								
Hazard Marker At Bridge (Y/N)	No								
Remarks									
Other Sign Types									
Utilities (Located at)									
Utility Attachments									
Telephone	South ditch.				Gas				
Power	2 wire OH 15m North of c/l.				Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Field access 20m east, driveway 140m east.				
Vertical Alignment			8	8					
Roadway Width (m)	9.500								
Approach Bump			6	6					
Guardrail (Y/N)	Yes				Type 6 at NE, bulb end at SE. Not thrie beam.				
Guardrail			7	7					
Length (m)	11.400								
Current Standard (Y/N)	No								
Termination Type	Turn Down								
Drainage			7	7					
<b>Approach Road General Rating</b>			<b>7</b>	<b>7</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : DBT, 3 Spans, Lengths(m): 12-20-12, A-Ident Number: )					
<b>Special Features</b>					
Special Feature			X		
(Type : )					
Special Feature			X		
(Type : )					
<b>Wearing Surface/Deck Top Detail Ratings</b>					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>					
<b>Now</b>					
Wearing Surface			9	7	
(Material Type : <b>MIX TYPE 1 ACP</b> )					
(Thickness(mm) : <b>90</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			9	9	
Deck Joints			8	8	Caulked saw cut in asphalt at A1, P1 and P2.
Temperature (deg. C)		22			
(Expansion Type : <b>ARMoured GLAND (WABO UNDER FINGER OR SLIDING PLATES)</b> )					
(Fixed Type : <b>COMPRESSION SEAL (ACME SEALS)</b> )					
Gap Size (mm)		Gap Location			
65		East abutment - A2			
Deck Drainage			4	4	Both East drains in span 2 lack splash pads.
Drains Clogged (Y/N)		No			
Curbs/Median			7	7	Vertical cracks on outside fascia @ post locations. Lateral random cracks across curbs.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		1			
Bridge Rail			7	7	
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts			7	7	
(Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			7	7	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
<b>Girder Detail Ratings</b>					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>					
Girders			4	4	Typical D.B.T. cracking at ends at chamfer line. 25% of connectors have stress cracks on underside of flanges.
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
(Number Of Girders : <b>18</b> )					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : DBT, 3 Spans, Lengths(m): 12-20-12, A-Ident Number: )				
Diaphragms/Cross Frame		7	7	
Bearings		7	7	
Temperature (deg. C)	22			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type : REINFORCED PAD BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		6	6	Deck componet of girders has rust stains and some transverse/diagonal cracking with rating increased due to recent installation of waterproof membrane.
Stains (Percent Area)	1			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>4</b>	<b>4</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		7	7	
Piles		N	N	
Paint/Coating		7	7	
Abutment Stability		7	7	
Scour/Erosion		7	7	
<b>Piers/Bents</b>				
(Type : PIER-SOLID)				
1 wide vertical crack pier 1 - OK.				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 14:14)				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		7	7	
(Colour Description : )				
(Colour Code : )				
Pier Stability		7	7	
Scour		7	7	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>7</b>	<b>7</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>N</b> )		45 degree bend U/S and D/S, no problems.		
(D/S Direction : <b>S</b> )				
Alignment		6	6	
Bank Stability		6	6	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		6	6	
(Type : <b>RIP RAP; RIP RAP</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>6</b>	<b>6</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>61.1/61.1</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>62.5/60.3</b>	Est. Repl. Yr	2050	Maint. Req. (Y/N)	No
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	Randy Bredo		Previous Assistant's Name				
Next Inspection Date	25-Sep-2013		Previous Inspection Date	02-Oct-2009			
Inspection Cycle (Default) (months)	39						
Comment							