

Bridge Inspection									
Bridge File Number	09099 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1959/1959				Lot No.	2			
Bridge or Town Name	ALBRIGHT				Inspector Name	Brian Pientsch			
Located Over	BEAVERLODGE RIVER, 8.10.58.18.8.1, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	671:02 C1 26.379				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	24-Jun-2010			
Legal Land Location	SW SEC 29 TWP 72 RGE 10 W6M				Data Entry By	Jill Potts			
Longitude, Latitude	-119:30:39, 55:15:28				Data Entry Date	14-Oct-2010			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer			
Contract Main. Area	CMA05				Review Date	17-Sep-2010			
Clear Roadway/Skew	7.3 /				Dept. Reviewer Name	Steve Pasquan			
AADT/Year	730 / 2009 (A)				Dept. Review Date	22-Nov-2010			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	3								
Allowable Load (t):	Single	CS1 44 GIRDER	Semi	CS2 55 GIRDER	Train	CS3 68 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	Not required.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks	SW knocked over in ditch.								
Other Sign Types									
Utilities (Located at)									
Utility Attachments									
Telephone	South r/w.				Gas				
Power	2 wire North r/w.				Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Range road 100m west, south side. Bottom of sag curve, no passing.				
Vertical Alignment			6	6					
Roadway Width (m)	9.800								
Approach Bump			7	7					
Guardrail (Y/N)	Yes								
Guardrail			N	7					
Length (m)	11.000								
Current Standard (Y/N)	Yes								
Termination Type	Turn Down								
Drainage			7	7					
<b>Approach Road General Rating</b>			<b>6</b>	<b>6</b>					

Superstructure							
Bridge Component		Last	Now	Explanation of Condition			
(Primary Span : <b>PO, 1 Spans, Lengths(m): 30.5, A-Ident Number: )</b>							
<b>Special Features</b>							
Special Feature		8	8				
(SType : <b>EXT SHEAR STIRRUP</b> )							
Special Feature			X				
(Type : )							
<b>Wearing Surface/Deck Top Detail Ratings</b>							
	N (%)	1 (%)	2 (%)	3 (%)			
<b>Last</b>							
<b>Now</b>							
Wearing Surface		7	7				
(Material Type : <b>CONCRETE</b> )							
(Thickness(mm) : <b>50</b> )							
Lateral Connection Problem (Y/N)		No					
Deck Top		N	N				
Deck Rideability		7	7				
Deck Joints		7	7				
Temperature (deg. C)		24					
(Expansion Type : <b>GLAND (WABO-MAUER, TRANSFLEX, ETC)</b> )							
(Fixed Type : )							
Gap Size (mm)		Gap Location					
75	E. abut.						
75	W. abut.						
Deck Drainage		4	5				
Drains Clogged (Y/N)		No					
Curbs/Median		N	3	Heavy scaling along inside curb face & top of curbs.			
(Curb Type : <b>Standard</b> )							
Scaling (Percent Area)		80					
Bridge Rail		4	4	Rail not connected to parapet and not over deck joint. Deteriorated curb starting to affect post anchorages. Numerous anchor bolts have inadequate thread length to fully engage nut.			
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )							
Bridge Rail Posts		7	4				
(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	Spall on NW outside girder - photo.			
Cracking (Y/N)		No					
Spalling (Percent Area)		1					
(Number Of Girders : <b>5</b> )							

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : PO, 1 Spans, Lengths(m): 30.5, A-Ident Number: )				
Diaphragms/Cross Frame		7	7	
Bearings		7	7	
Temperature (deg. C)	24			
(Expansion Type : <b>STEEL SLIDING PLATES WITH BRONZE PLATE IN BETWEEN</b> )				
(Fixed Type : <b>PINNED BEARING</b> )				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		5	5	Several lateral cracks with efflorescence within 10m of abutments.
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 : <b>CONCRETE</b> )				
Backwalls/Breastwalls		7	7	
Wingwalls		5	5	
Piles		N	N	
Paint/Coating		X	X	
Abutment Stability		7	7	
Scour/Erosion		7	7	
<b>Piers/Bents</b>				
(Type : )				
Bearing Seats/Caps		X	X	
(Type : )				
(Total Number of Bearing Piles : )				
Pier Shaft/Piles		X	X	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description : )				
(Colour Code : )				
Pier Stability		X	X	
Scour		X	X	
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> )				Bends U/S & D/S.
(D/S Direction : <b>S</b> )				
Alignment		6	6	
Bank Stability		4	4	Cutbanks U/S & D/S.
HWM (m below Top of Curb)				No HWM visible.
Drift (Y/N)	Yes			
Slope Protection		5	5	Sandbags. Along bank edges.
(Type : <b>CONCRETE; CONCRETE</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>4</b>	<b>4</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2011	Replace rail in conjunction with curbs to current standards.					
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS	2011	Replace.					
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>58.5/58.6</b>	Est. Repl. Yr	2023	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	Colin Roy		Previous Assistant's Name				
Next Inspection Date	24-Sep-2013		Previous Inspection Date	15-Feb-2007			
Inspection Cycle (Default) (months)	39						
Comment							