

Bridge Inspection											
Bridge File Number	73496 -1 Bridge				Form Type	PSR					
Year Built/Year Supstr	1991/1991				Lot No.	2					
Bridge or Town Name	BLACKFALDS				Inspector Name	Jason Saly					
Located Over	BLINDMAN RIVER, 3.78, WATERCRS-ST				Inspector Class	BR CLS A					
Located On	2A:18 C1 5.118				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	21-Nov-2011					
Legal Land Location	NE SEC 15 TWP 39 RGE 27 W4M				Data Entry By	Marcia Chavez					
Longitude, Latitude	-113:47:46, 52:21:24				Data Entry Date	21-Dec-2011					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien					
Contract Main. Area	CMA19				Review Date	15-Dec-2011					
Clear Roadway/Skew	13.2 / 5 deg. (RHF)				Dept. Reviewer Name	Andrew Smikles					
AADT/Year	12,380 / 2010 (A)				Dept. Review Date	09-Jan-2012					
Road Classification	RAU-213.4-120				Follow-Up By						
Detour Length (km)	6										
Allowable Load (t):	Single	CS1 28			Semi	CS2 49			Train	CS3 62	---> On Critical Spans --->Critical Member
Design Loading:	CS750									---> Primary Span	

Posting Information										
Required Load Posting (t)	Single			Semi			Truck Train			
Posted Loading (t)	Single			Semi			Truck Train			
Posted:	Lane	NB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No		
Posted:	Lane	SB	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	Not required.									
Other Sign Types	River I.D.									

Utilities (Located at)										
Utility Attachments										
Telephone	East r/w, East of service road.				Gas					
Power					Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		7	7	Grade to the North, curve to the South.					
Vertical Alignment		6	6						
Roadway Width (m)	13.000								
Approach Bump		6	6						
Guardrail (Y/N)		Yes		Posts broken at last section NE - photo.					
Guardrail		3	3						
Length (m)		44.700		Not thrie beam.					
Current Standard (Y/N)		No							
Termination Type		Turn Down							
Drainage		7	N						
<b>Approach Road General Rating</b>		<b>6</b>	<b>6</b>						

Superstructure						
Bridge Component				Last	Now	Explanation of Condition
(Primary Span : <b>DBC, 1 Spans, Lengths(m): 42, A-Ident Number: )</b>						
<b>Special Features</b>						
Special Feature					X	
(Type : )						
Special Feature					X	
(Type : )						
<b>Wearing Surface/Deck Top Detail Ratings</b>						
	N (%)	1 (%)	2 (%)	3 (%)		Snow covered along gutters.
<b>Last</b>						
<b>Now</b>	10.0	0.0	0.0	0.0		
Wearing Surface				5	4	Chipseal on ACP. Small potholes developing at cracks. Trans. cracking.
(Material Type : <b>ACP - CONVENTIONAL CHIP SEAL COAT</b> )						
(Thickness(mm) : <b>90</b> )						
Lateral Connection Problem (Y/N)	No					
Deck Top				N	N	
Deck Rideability				7	7	
Deck Joints				7	7	
Temperature (deg. C)	5					
(Expansion Type : <b>GLAND (WABO-MAUER, TRANSFLEX, ETC)</b> )						
(Fixed Type : <b>GLAND (WABO-MAUER, TRANSFLEX, ETC)</b> )						
Gap Size (mm)		Gap Location				
100		N. abut				
50		S. abut				
Deck Drainage				7	7	Bridge deck drains on grade down to South.
Drains Clogged (Y/N)	No					
Curbs/Median				N	N	(Isolated 0.5mm wide longitudinal cracks & 0.5 mm wide transverse cracks @ 1m spacing. Light scaling. 23/Feb/2009) Snow covered.
(Curb Type : <b>Standard</b> )						
Scaling (Percent Area)	0					
Bridge Rail				8	8	
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )						
Bridge Rail Posts				8	8	
(Type : <b>POST STEEL;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>	0	0	0	0		
Girders				8	8	
Cracking (Y/N)	No					
Spalling (Percent Area)	0					
(Number Of Girders : <b>12</b> )						
Diaphragms/Cross Frame				8	8	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : DBC, 1 Spans, Lengths(m): 42, A-Ident Number: )				
Bearings		8	8	
Temperature (deg. C)	5			
(Expansion Type : REINFORCED PAD BEARING)				
(Fixed Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		8	8	
Stains (Percent Area)	0			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>8</b>	<b>8</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		9	8	Covered with graffiti.
(Type : CONCRETE)				
Backwalls/Breastwalls		9	8	
Wingwalls		7	7	
Piles		N	N	Buried.
Paint/Coating		7	7	
Abutment Stability		8	8	
Scour/Erosion		6	N	Snow covered.
<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>8</b>	<b>8</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				Curve U/S. Sharply to South.
(D/S Direction : <b>E</b> )				
Alignment		5	5	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)		No		
Slope Protection (Type : <b>CONCRETE; CONCRETE</b> )		7	7	Class II @ toe of slopes. Pulled away 100mm & down 150mm @ North. Pulled away 40mm & down 60mm @ South.
Guidebank/Spurs		7	7	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>5</b>	<b>5</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	2012	Replace NE split guardrail post (1).					
OTHER ACTION	2012	Seal gaps @ both abutment headslopes.					
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>88.9/88.9</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>71.2/71.2</b>	Est. Repl. Yr	2048	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	Owen Salava		Previous Assistant's Name				
Next Inspection Date	21-Aug-2013		Previous Inspection Date	10-Feb-2010			
Inspection Cycle (Default) (months)	21						
Comment							