

Bridge Inspection				
Bridge File Number	71933 -1 Bridge		Form Type	PCS
Year Built/Year Supstr	1974/1974		Lot No.	4
Bridge or Town Name	BEZANSON		Inspector Name	Russel Vanderschaaf
Located Over	TRIBUTARY TO WAPITI RIVER, 8.10.58.18.1, WATERCRS-ST		Inspector Class	BR CLS B
Located On	670:02 C1 18.342		Assistant Name	
Water Body Cl./Year			Assistant Class	
Navigabil. Cl./Year			Inspection Date	21-Jul-2011
Legal Land Location	SW SEC 6 TWP 72 RGE 3 W6M		Data Entry By	Theresa Lacusta
Longitude, Latitude	-118:27:20, 55:11:59		Data Entry Date	28-Sep-2011
Road Authority	Alberta Transportation (AIT)		Reviewer Name	Arnold Assenheimer
Contract Main. Area	CMA05		Review Date	20-Sep-2011
Clear Roadway/Skew	9.1 /		Dept. Reviewer Name	Steve Pasquan
AADT/Year	2,780 / 2010 (A)		Dept. Review Date	22-Nov-2011
Road Classification	RCU-209-110		Follow-Up By	
Detour Length (km)	6			

Allowable Load (t):	Single	CS1 30 GIRDER	Semi	CS2 52 GIRDER	Train	CS3 75 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	
Other Sign Types	

Utilities (Located at)			
Utility Attachments			
Telephone	10m North of centerline.-cable South r/w	Gas	
Power	2 wires 15m North side of road.	Municipal	
Others		Problem (Y/N)	Yes
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Farm entrance SW side, field entrances other 3 corners.
Vertical Alignment		8	8	
Roadway Width (m)	9.000			Dented & rusty all 4 corners - photo.
Approach Bump		8	8	
Guardrail (Y/N)	Yes			
Guardrail		4	4	
Length (m)	7.400			
Current Standard (Y/N)	No			
Termination Type	Turned Down			
Drainage		4	7	
<b>Approach Road General Rating</b>		<b>7</b>	<b>7</b>	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>HC, 3 Spans, Lengths(m): 8.5-8.5-8.5, A-Ident Number: )</b>					
<b>Special Features</b>					
Special Feature			X		
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>					
<b>Now</b>					
Wearing Surface			4	9	50mm thick at curbs, 100mm thick at cl.
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			8	9	
Deck Joints			N	N	
Bump (Y/N)		No			
Deck Drainage			7	9	
Drains Clogged (Y/N)		No			
Curbs/Median			2	7	
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		1			
Bridge Rail			5	9	2 anchor nuts have insufficient thread (about 2mm).
(Type : <b>GALVANIZED STEEL FLEX BEAM</b> )					
Bridge Rail Posts			4	4	
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			6	6	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	1	1	
<b>Now</b>					
Girders			2	4	23 cracked girders. 12 girders have wide cracks or spall in the AZ.
Last Complete Inspection Date		20-Jul-2011			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		5			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : <b>33</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>2</b>	<b>4</b>	

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
<b>Abutments</b>					
(Extended Backwall Piles (Y/N) : <b>Y</b> )					
(Extended Backwall Piles Spacing(mm) : <b>1600</b> )					
(Total Number of Caps/Corbels : <b>1:1</b> )					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	2	0	0	0	
<b>Now</b>					
Bearing Seats/Caps/Corbels				6	9
(Type : <b>STEEL</b> )					
(Depth(mm) : <b>350</b> )					
(Width(mm) : <b>375</b> )					
Backwalls/Breastwalls			N	7	
Greatest Height (m)		1.20			
Wingwalls			N	7	
(Total Number of Bearing Piles : <b>9:9</b> )					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	18	0	0	0	
<b>Now</b>					
Piles			N	5	
Paint/Coating			X	X	
Abutment Stability			7	7	
Scour/Erosion			7	7	
<b>Piers/Bents</b>					
(Type : <b>PIER-COLUMN</b> )					
(Total Number of Caps/Corbels : <b>1:3</b> )					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	2	
<b>Now</b>					
Bearing Seats/Caps/Corbels				3	9
(Type : <b>STEEL;TREATED TIMBER</b> )					
(Depth(mm) : <b>350;300</b> )					
(Width(mm) : <b>375;300</b> )					
(Total Number of Bearing Piles : <b>9:9</b> )					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	1	
<b>Now</b>					
Pier Shaft/Piles			3	5	
Greatest Height (m)		3.00			
Bracing/Struts/Sheathing			X	5	
Nose Plate			X	X	
Paint/Coating			X	X	
(Colour Description : )					
(Colour Code : )					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		4	4	Both piers tilting in 300mm towards abutments.-photo
Scour		7	7	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>3</b>	<b>5</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>N</b> )				
(D/S Direction : <b>S</b> )				
Alignment		8	8	
Bank Stability		5	5	Berm U/S on East side is slumping at several locations.
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		7	7	
(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>7</b>	<b>7</b>	

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							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>27.8/50.0</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>54.7/63.2</b>	Est. Repl. Yr	2021	Maint. Req. (Y/N)	No
Special Comments for Next Inspection	Monitor pier stability.		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	Russel Vanderschaaf		Previous Assistant's Name				
Next Inspection Date	21-Oct-2014		Previous Inspection Date	03-May-2010			
Inspection Cycle (Default) (months)	39						
Comment							