

Bridge Inspection									
Bridge File Number	81516 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1990/1990				Lot No.	2			
Bridge or Town Name	BEAVERDAM				Inspector Name	Todd Warshawski			
Located Over	TRIBUTARY TO BEAVER RIVER, 7.2, WATERCRS-ST				Inspector Class	BR CLS B			
Located On	897:12 C1 13.397				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	14-Dec-2011			
Legal Land Location	SW SEC 12 TWP 61 RGE 2 W4M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-110:10:49, 54:15:33				Data Entry Date	22-Jan-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA08				Review Date	04-Jan-2012			
Clear Roadway/Skew	8.8 /				Dept. Reviewer Name	Brent Herrick			
AADT/Year	940 / 2010 (A)				Dept. Review Date	02-Feb-2012			
Road Classification	RCU-210-110				Follow-Up By				
Detour Length (km)	16								
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	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)	Yes								
Remarks	SW bent - SE wrong location.								
Other Sign Types	Bump markers @ NW & SE corners.								

Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power	1 wire W r/w.				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			8	8					
Vertical Alignment			8	8					
Roadway Width (m)	9.400				Random transverse ACP cracks, some signs of settlement.-photo				
Approach Bump			6	5	Missing 1 strong post at each corner. Not thrie beam transition.				
Guardrail (Y/N)	Yes								
Guardrail			7	7					
Length (m)	49.700								
Current Standard (Y/N)	No								
Termination Type	Turned Down								
Drainage			7	7					
<b>Approach Road General Rating</b>			<b>8</b>	<b>8</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>SM, 1 Spans, Lengths(m): 10, 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>	15.0	0.0	0.0	0.0	
Wearing Surface			6	5	Spot delam in NBL patched. Longitudinal cracks at all girder lanes.
(Material Type : <b>ACP - CONVENTIONAL CHIP SEAL COAT</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)	Yes				
Deck Top			N	N	
Deck Rideability			7	6	
Deck Joints			N	N	(Buffer angles. 97/12/10) ACP cracks over both abutment joints.
Bump (Y/N)	Yes				
Deck Drainage			7	7	No deck drains.
Drains Clogged (Y/N)	No				
Curbs/Median			4	4	Chips at all 4 corners from plow. Piece of wood embedded in West curb - photo. Longitudinal cracking on top of East curb as well as on inside face - Aug,2008.)
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)	2				
Bridge Rail			4	4	Double layer spliced incorrectly & double layer does not extend to posts @ SW & NE.-photo One rail/post bolt/nut in West rail not tightened - photo.
(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>	9				
<b>Now</b>					
Girders			N	5	Narrow diagonal crack-no staining.-photo SE & SW curb locations less than 0.5m long. Narrow longitudinal crack on lower curb fascia, length of girder - type.-photo
Last Complete Inspection Date	14-Dec-2011				
Cracking (Y/N)	Yes				
Spalling (Percent Area)	0				
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : <b>8</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>5</b>	<b>5</b>	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 1200)						
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)	Steel caps with pile capitals. Heavy scaling on caps.	
<b>Last</b>						
<b>Now</b>						
Bearing Seats/Caps/Corbels				7	7	
(Type : STEEL)						
(Depth(mm) : 350)						
(Width(mm) : 350)						
Backwalls/Breastwalls				7	7	
Greatest Height (m)		3.00				
Wingwalls				7	7	
(Total Number of Bearing Piles : 9:9)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)	Tiebacks on all piles.	
<b>Last</b>	18					
<b>Now</b>						
Piles				N	7	
Paint/Coating				4	4	Heavy scaling on caps.
Abutment Stability				7	7	
Scour/Erosion				N	N	
<b>Piers/Bents</b>						
(Type : )						
(Total Number of Caps/Corbels : )						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Bearing Seats/Caps/Corbels				X	X	
(Type : )						
(Depth(mm) : )						
(Width(mm) : )						
(Total Number of Bearing Piles : )						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Pier Shaft/Piles				X	X	
Greatest Height (m)						
Bracing/Struts/Sheathing				X	X	
Nose Plate				X	X	
Paint/Coating				X	X	
(Colour Description : )						
(Colour Code : )						
Pier Stability				X	X	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		X	X	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>5</b>	<b>7</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				
(D/S Direction : <b>E</b> )				
Alignment		8	8	
Bank Stability		8	8	
HWM (m below Top of Curb)				HWM not visible Beaverdam 20m to West.
Drift (Y/N)	Yes			
Slope Protection		8	8	
(Type : )				
Guidebank/Spurs		X	X	
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>8</b>	<b>8</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012	Upgrade bridgerail & approach guardrail to meet standard, tighten loose rail/post connection in West 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	2012	Remove u/s beaverdam.					
INSTALL STRUTS							
OTHER ACTION	2012	Seal ACP cracks.					
OTHER ACTION	2012	Reset hazard markers.					
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>55.6/66.7</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>60.8/63.2</b>	Est. Repl. Yr	2035	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	Dave Lam		Previous Assistant's Name				
Next Inspection Date	14-Mar-2015		Previous Inspection Date	13-Aug-2008			
Inspection Cycle (Default) (months)	39						
Comment							