

Bridge Inspection										
Bridge File Number	09391 -1 Bridge				Form Type	PCS				
Year Built/Year Supstr	1960/1960				Lot No.	3				
Bridge or Town Name	CESSFORD				Inspector Name	Jason Saly				
Located Over	BERRY CREEK, 3.14, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	561:06 C1 10.399				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	27-Nov-2010				
Legal Land Location	SW SEC 2 TWP 24 RGE 13 W4M				Data Entry By	Marcia Chavez				
Longitude, Latitude	-111:43:25, 51:00:31				Data Entry Date	07-Jan-2011				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien				
Contract Main. Area	CMA21				Review Date	11-Dec-2010				
Clear Roadway/Skew	8 /				Dept. Reviewer Name	Chris Black				
AADT/Year	250 / 2009 (A)				Dept. Review Date	11-Jan-2011				
Road Classification	RCU-209-110				Follow-Up By					
Detour Length (km)	20									
Allowable Load (t):	Single		Semi		Train		----> 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	South R/W				Gas					
Power					Municipal					
Others					Problem (Y/N)		No			
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			8	7	Farm access to W, N side. Hill to E.				
Vertical Alignment			7	7					
Roadway Width (m)	9.900								
Approach Bump			7	7					
Guardrail (Y/N)			Yes		Partially covered by snow.				
Guardrail			7	7					
Length (m)			12.000		Insufficient length & posts.				
Current Standard (Y/N)			No						
Termination Type			TURNED DOWN						
Drainage			7	N	Snow covered.				
<b>Approach Road General Rating</b>			<b>7</b>	<b>7</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>SC, 3 Spans, Lengths(m): 12.2-12.2-12.2, 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 (%)	Snow covered.
<b>Last</b>	0	0	0	0	
<b>Now</b>	50.0	0.0	0.0	0.0	
Wearing Surface			7	7	
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	Paved Over
Bump (Y/N)		No			
Deck Drainage			6	N	No drains, bridge on grade. Snow covered.
Drains Clogged (Y/N)					
Curbs/Median			7	N	Snow covered.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			4	4	Nonstandard splicing for double layer flexbeam. 8 splice bolts missing.
(Type : <b>GALVANIZED STEEL FLEX BEAM</b> )					
Bridge Rail Posts			7	7	
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			7	7	50% of posts not oriented correctly & have drain holes to side or front.
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0	0	0	0	
Girders			7	7	
Last Complete Inspection Date		27-Nov-2010			
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : <b>24</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>7</b>	<b>7</b>	

Substructure							
Bridge Component		Last	Now	Explanation of Condition			
<b>Abutments</b>							
(Extended Backwall Piles (Y/N) : Y)							
(Extended Backwall Piles Spacing(mm) : 1500)							
(Total Number of Caps/Corbels : 2:2)				Steel cap w/one timber subcap. W subcap only has 1 pile under it.			
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)			3 (count)	
<b>Last</b>	0	0	0			0	
<b>Now</b>	0	0	0			0	
Bearing Seats/Caps/Corbels			5			5	
(Type : STEEL)							
(Depth(mm) : 305)							
(Width(mm) : 305)							
Backwalls/Breastwalls			4			5	
Greatest Height (m)		3.20					
Wingwalls			7	6			
(Total Number of Bearing Piles : 10:10)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
<b>Last</b>	0	0	0	0			
<b>Now</b>	0	0	0	0			
Piles			6	6			
Paint/Coating			7	6			
Steel caps are painted							
Abutment Stability			6	6			
Scour/Erosion			7	6			
<b>Piers/Bents</b>							
(Type : PIER-COLUMN)							
(Total Number of Caps/Corbels : 4:4)							
Double steel caps at piers with double 100x305 T.T. risers.							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
<b>Last</b>	0	0	0	0			
<b>Now</b>	0	0	0	0			
Bearing Seats/Caps/Corbels			7	7			
(Type : STEEL)							
(Depth(mm) : 305)							
(Width(mm) : 610)							
(Total Number of Bearing Piles : 20:20)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
<b>Last</b>	0	0	0	0			
<b>Now</b>	40	0	0	0			
Pier Shaft/Piles			7	N			
Greatest Height (m)		5.00					
Bracing/Struts/Sheathing			7	7			
Nose Plate			7	6			
Paint/Coating			4	4			
Rusting at nose plate							
(Colour Description : )							
(Colour Code : )							

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		7	7	
Scour		7	N	
Debris (Y/N)	Yes			Old piles in channel
<b>Substructure General Rating</b>		<b>5</b>	<b>5</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>N</b> )				Curves U/S & D/S.
(D/S Direction : <b>S</b> )				
Alignment		6	4	
Bank Stability		6	6	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		6	6	
(Type : <b>NATURAL; NATURAL</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	2011	Install 8 splice bolts.					
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>66.7/66.7</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>66.4/66.4</b>	Est. Repl. Yr	2025	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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	27-Feb-2014		Previous Inspection Date	09-Feb-2009			
Inspection Cycle (Default) (months)	39						
Comment							