

Bridge Inspection									
Bridge File Number	09385 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1958/1958				Lot No.	1			
Bridge or Town Name	CHANCELLOR				Inspector Name	Jason Rusu			
Located Over	PARFLESH CREEK, 2.13.14.4, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	842:08 C1 15.917				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	16-Feb-2012			
Legal Land Location	SW SEC 35 TWP 23 RGE 21 W4M				Data Entry By	Alyssa Boynton			
Longitude, Latitude	-112:50:32, 50:59:40				Data Entry Date	16-Mar-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts			
Contract Main. Area	CMA30				Review Date	24-Feb-2012			
Clear Roadway/Skew	8.2 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	140 / 2010 (A)				Dept. Review Date	22-Mar-2012			
Road Classification	RCU-208-110				Follow-Up By				
Detour Length (km)	5								
Allowable Load (t):	Single	CS 1 28 GIRDER	Semi	CS 2 49 GIRDER	Train	CS 3 62 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	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									
Other Sign Types									
Utilities (Located at)									
Utility Attachments									
Telephone					Gas	x-ing 100m S			
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks	Gauging station @ Se								
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			8	8					
Vertical Alignment			9	9					
Roadway Width (m)	8.200								
Approach Bump			7	7					
Guardrail (Y/N)	No								
Guardrail			X	X					
Length (m)									
Current Standard (Y/N)									
Termination Type	NONE								
Drainage			9	9					
<b>Approach Road General Rating</b>			<b>8</b>	<b>8</b>					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : <b>PG, 1 Spans, Lengths(m): 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>	0	0	0	0		
<b>Now</b>	0.0	0.0	0.0	0.0		
Wearing Surface			4	4	Wide cracks between girders and acp wearing off deck@ 2m2 area	
(Material Type : <b>ACP</b> )						
(Thickness(mm) : <b>30</b> )						
Lateral Connection Problem (Y/N)		No				
Deck Top			N	N		
Deck Rideability			5	5		
Deck Joints			N	N	ACP covered	
Bump (Y/N)		No				
Deck Drainage			7	7		
Drains Clogged (Y/N)		No				
Curbs/Median			7	7		
(Curb Type : <b>Standard</b> )						
Scaling (Percent Area)		0				
Bridge Rail			4	4	Wrong lap @ flare ends @SW and NE 2 Layer Insufficient thread @ A/B at N.W	
(Type : <b>FLEX BEAM;STEEL FLEX BEAM</b> )						
Bridge Rail Posts			7	4		
(Type : <b>POST STEEL</b> )						
Bridge Rail/Posts Coating			7	7		
(Type : )						
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			5	5	Narrow crks @ end diaphragms 8 girders with wide longitudinal cracks in both webs- 6 of which are in the AZ 2 girders with spalls in Webs @ mid span Concrete @ AZ cracks is sound	
Last Complete Inspection Date		16-Feb-2012				
Cracking (Y/N)		Yes				
Spalling (Percent Area)		2				
Lift or Connector Pocket Grouted (Y/N)		Yes				
(Number Of Girders : <b>10</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) : <b>N</b> )		150x300 TT top cap on 300x300 TT mid cap on 250x250 TT subcaps-plywood btwn top & 2nd cap-minor rot starting in plywood				
(Extended Backwall Piles Spacing(mm) : )						
South abut. leans back 50mm						
(Total Number of Caps/Corbels : <b>7:7</b> )						
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 : <b>TREATED TIMBER</b> )						
(Depth(mm) : <b>305</b> )						
(Width(mm) : <b>305</b> )						
Backwalls/Breastwalls				6	6	
Greatest Height (m)		2.30				
Wingwalls				6	6	
(Total Number of Bearing Piles : <b>8:8</b> )						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	0	0	0	2		
<b>Now</b>	0	0	0	2		
Piles				3	3	
Paint/Coating				X	X	
Abutment Stability				5	5	
Scour/Erosion				N	5	
<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>	0	0	0	0		
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				4	4	
@ S. abut strut support coming off - photo						
Nose Plate				X	X	
Paint/Coating				X	X	
(Colour Description : )						
(Colour Code : )						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>3</b>	<b>3</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				
(D/S Direction : <b>E</b> )				
Alignment		7	7	
Bank Stability		N	5	
HWM (m below Top of Curb)				
Drift (Y/N)	No			
Slope Protection		N	5	
(Type : <b>NATURAL; NATURAL</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		5	5	
(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							
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	2012	Core all piles Reattach strut cleat @ S. abut					
OTHER ACTION	2012	Repair other piles @ abuts- pending coring					
OTHER ACTION	2012	Pile repair splice @ P3 @ A1					
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>44.4/44.4</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>62.3/62.3</b>	Est. Repl. Yr	2020	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	Tom Carey		Previous Assistant's Name				
Next Inspection Date	16-May-2015		Previous Inspection Date	08-Feb-2010			
Inspection Cycle (Default) (months)	39						
Comment							