

Bridge Inspection							
Bridge File Number	09300 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1964/1964			Lot No.	4		
Bridge or Town Name	CLUNY			Inspector Name	Jason Rusu		
Located Over	CROWFOOT CREEK, 2.13.14, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	842:08 C1 14.257			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	16-Feb-2012		
Legal Land Location	SW SEC 26 TWP 23 RGE 21 W4M			Data Entry By	Alyssa Boynton		
Longitude, Latitude	-112:50:32, 50:58:47			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	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	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
Power			Municipal
Others	Water monitoring sta 20m u/s		Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		9	9	
Vertical Alignment		8	8	
Roadway Width (m)	7.800			ACP patched @ approaches
Approach Bump		7	7	3 lengths only @ corners Type 6 @ NW.
Guardrail (Y/N)	Yes			
Guardrail		5	5	
Length (m)	5.000			
Current Standard (Y/N)	No			Not thriebeam
Termination Type	TURNED DOWN ENDS			
Drainage		5	5	
<b>Approach Road General Rating</b>		<b>8</b>	<b>8</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>	0	0	0	0		
<b>Now</b>	0.0	0.0	0.0	0.0		
Wearing Surface			X	X		
(Material Type : )						
(Thickness(mm) : )						
Lateral Connection Problem (Y/N)		No				
Deck Top			6	5	Spalls patched	
Deck Rideability			6	6		
Deck Joints			7	6	Buffer angles	
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			7	7	DOUBLE FLEXBEAM	
(Type : <b>STEEL FLEX BEAM</b> )			Insufficient thread on 10 A/B's			
Bridge Rail Posts			7	4		
(Type : <b>GALVANIZED POST STEEL;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			4	4	9 girders with longitudinal cracks in webs 4 of which are wide in AZ with crack in other web- all concrete sound	
Last Complete Inspection Date		16-Feb-2012				
Cracking (Y/N)		Yes				
Spalling (Percent Area)		0				
Lift or Connector Pocket Grouted (Y/N)		Yes				
(Number Of Girders : <b>30</b> )						
<b>Span Alignment Problems</b>						
Vertical (Y/N)		No	CURB AT NE CORNER OUT OF LINE WITH OTHER SPANS - 25mm			
Horizontal (Y/N)		No				
<b>Superstructure General Rating</b>			<b>4</b>	<b>4</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 : 5:5)						
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 : TREATED TIMBER)						
(Depth(mm) : 305)						
(Width(mm) : 305)						
Backwalls/Breastwalls				7	7	
Greatest Height (m)		0.80				
Wingwalls				7	7	
(Total Number of Bearing Piles : 7:7)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	2	0	0	0		
<b>Now</b>	14	0	0	0		
Piles				N	N	
Paint/Coating				X	X	
Abutment Stability				5	5	
Scour/Erosion				4	4	
2m Deep x 5 m wide x 5m long scour in N. headslope						
<b>Piers/Bents</b>						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 5:5)						
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				6	6	
(Type : TREATED TIMBER)						
(Depth(mm) : 305)						
(Width(mm) : 355)						
(Total Number of Bearing Piles : 7:7)						
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		
Pier Shaft/Piles				5	5	
Greatest Height (m)		4.10				
Bracing/Struts/Sheathing				7	7	
Nose Plate				X	X	
Paint/Coating				X	X	
(Colour Description : )						
(Colour Code : )						
Steel shims @ N pier N. Pier tied to N. abut w/steel cables 150x355 top caps on 350x350 main caps Split but all banded Can't confirm due to ice.						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		5	5	
Scour		N	N	iced over
Debris (Y/N)	No			
<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>W</b> )				Some cut banks
(D/S Direction : <b>E</b> )				
Alignment		7	7	
Bank Stability		4	4	Scour @ N. Headslope
HWM (m below Top of Curb)	1.5			Debris and grass on pier tie back cables.
Drift (Y/N)	No			
Slope Protection (Type : )		4	4	Scour at N. headslope - no rock/protection.
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>4</b>	<b>4</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>50.0/50.0</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>66.8/66.8</b>	Est. Repl. Yr	2020	Maint. Req. (Y/N)	No
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							