

Bridge Inspection									
Bridge File Number	13882 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1957/1957				Lot No.	3			
Bridge or Town Name	CHANCELLOR				Inspector Name	Jon Davies			
Located Over	TRIBUTARY TO CROWFOOT CREEK, 2.13.14.2, WATERCRS-ST				Inspector Class	BR CLS B			
Located On	561:02 C1 22.891				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	23-Jan-2012			
Legal Land Location	SE SEC 17 TWP 24 RGE 20 W4M				Data Entry By	Kelsey Roberts			
Longitude, Latitude	-112:45:31, 51:02:17				Data Entry Date	08-Mar-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts			
Contract Main. Area	CMA30				Review Date	03-Feb-2012			
Clear Roadway/Skew	10.1 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	700 / 2010 (A)				Dept. Review Date	11-Mar-2012			
Road Classification	RCU-208-110				Follow-Up By				
Detour Length (km)	3								
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	SOUTH DITCH				Gas				
Power	3 WIRE NORTH ROW				Municipal				
Others	Fibre Optics N. Ditch				Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			8	7	Intersection at East				
Vertical Alignment			7	6					
Roadway Width (m)	8.000				Minor settlement at West and East approach				
Approach Bump			7	5					
Guardrail (Y/N)	Yes				SW Turndown damage. Not attached.				
Guardrail			7	5	Not thriebeam				
Length (m)	12.200								
Current Standard (Y/N)	No								
Termination Type	TURNDOWN								
Drainage			8	7					
Approach Road General Rating			7	6					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : HC, 1 Spans, Lengths(m): 8.5, A-Ident Number:)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)	Partially snow covered	
Last						
Now	30.0	0.0	0.0	0.0		
Wearing Surface				5	N	Minor Cracks in ACP btwn girders
(Material Type : ACP)						
(Thickness(mm) : 50)						
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				6	6	Draining thru girders
Drains Clogged (Y/N)		No				
Curbs/Median				5	5	South curb G1 had cracks at top of curb at posts 2 and 4 from West
(Curb Type : Standard)						
Scaling (Percent Area)		20				
Bridge Rail				5	5	1 layer Missing splicebolts at lap splices between posts at NW and SE
(Type : GALVANIZED STEEL FLEX BEAM)						
Bridge Rail Posts		7	4			
(Type : POST STEEL;POST STEEL)						
Bridge Rail/Posts Coating				7	6	
(Type : GALVANIZED)						
Sidewalk				X	X	
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Girders				5	4	Narrow width shear crks on 50% of legs 50 mm dim popout s. curb girder G2, G4 and G9 have wide crks/spalls in (1) leg with unsound concrete. And narrow shear cracks on same leg. 3 center girders are new - 2005 G5,6&7
Last Complete Inspection Date		23-Jan-2012				
Cracking (Y/N)		Yes				
Spalling (Percent Area)		1				
Lift or Connector Pocket Grouted (Y/N)		Yes				
(Number Of Girders : 12)						
Span Alignment Problems						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				
Superstructure General Rating				5	4	

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
Abutments					
(Extended Backwall Piles (Y/N) : Y)					
(Extended Backwall Piles Spacing(mm) : 1800)					
(Total Number of Caps/Corbels : 7:7)				Stacked caps	
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Bearing Seats/Caps/Corbels				7	6
(Type : TREATED TIMBER)					
(Depth(mm) : 850)					
(Width(mm) : 305)					
Backwalls/Breastwalls			7	6	
Greatest Height (m)		2.90			
Wingwalls			7	5	
(Total Number of Bearing Piles : 8:8)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Piles				5	4
Paint/Coating				X	X
Abutment Stability				8	8
Scour/Erosion				6	5
Minor erosion at bottom of backwall at D/S					
Piers/Bents					
(Type :)					
(Total Number of Caps/Corbels :)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
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)	
Last					
Now					
Pier Shaft/Piles				X	X
Greatest Height (m)					
Bracing/Struts/Sheathing			5	5	
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			
Substructure General Rating		5	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				
(D/S Direction : S)				
Alignment		7	7	
Bank Stability		8	7	
HWM (m below Top of Curb)				NO HWM VISIBLE
Drift (Y/N)	No			
Slope Protection		7	4	RipRap incomplete at D/S Backwall
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	4	

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	Replace SW T.D. end and reattach to post					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	55.6/44.4	Sufficiency Rating (Last/Now) (%)	71.5/63.5	Est. Repl. Yr	2017	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	William Reardon		Previous Assistant's Name				
Next Inspection Date	23-Apr-2015		Previous Inspection Date	28-Nov-2008			
Inspection Cycle (Default) (months)	39						
Comment							