

Bridge Inspection									
Bridge File Number	09224 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1976/1976				Lot No.	1			
Bridge or Town Name	STRATHMORE				Inspector Name	Jon Davies			
Located Over	TRIBUTARY TO CROWFOOT CREEK, 2.13.14.6, WATERCRS-ST				Inspector Class	BR CLS B			
Located On	561:02 C1 8.933				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	23-Jan-2012			
Legal Land Location	SW SEC 13 TWP 24 RGE 22 W4M				Data Entry By	Kelsey Roberts			
Longitude, Latitude	-112:57:28, 51:02:16				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	770 / 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 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	HS25						----> 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)	In Advance (Y/N)	At Bridge (Y/N)				
Posted:	Lane	SB	At Junction (Y/N)	In Advance (Y/N)	At Bridge (Y/N)				
Remarks	Not required								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types									

Utilities (Located at)									
Utility Attachments									
Telephone	SOUTH DITCH 1 x-ing 80m E				Gas				
Power	NORTH FENCE LINE. Crossing 40m West				Municipal				
Others	Fibre Optics N. Ditch				Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	Intersection 40m E + 40m W				
Vertical Alignment			5	5	Hill to W				
Roadway Width (m)	8.500				Not thriebeam				
Approach Bump			5	5					
Guardrail (Y/N)	Yes								
Guardrail			7	6					
Length (m)	12.000								
Current Standard (Y/N)	No								
Termination Type	TURN DOWN								
Drainage			7	7					
<b>Approach Road General Rating</b>			<b>5</b>	<b>5</b>					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : VS, 3 Spans, Lengths(m): 6.1-6.1-6.1, A-Ident Number: )						
<b>Special Features</b>						
Special Feature			X	File tags NE & SW		
(Type : )						
Special Feature			X			
(Type : )						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)	Partially covered by snow and ice at shoulders.	
<b>Last</b>						
<b>Now</b>	20.0	0.0	0.0	0.0		
Wearing Surface				5	4	Full width deck joint wide crack at East and West. Ravelled at NW 300mx400mmx500mm deep. Wide cracks in ACP at girder outline.
(Material Type : <b>ACP</b> )						
(Thickness(mm) : <b>50</b> )						
Lateral Connection Problem (Y/N)		No				
Deck Top				N	N	
Deck Rideability				6	6	
Deck Joints				N	N	ACP covered. Minor bump at west
Bump (Y/N)		Yes				
Deck Drainage				5	5	NO DRAINS, DECK ON GRADE, WATER DRAINS THROUGH GIRDERS
Drains Clogged (Y/N)		No				
Curbs/Median				6	6	
(Curb Type : <b>Standard</b> )						
Scaling (Percent Area)		1				
Bridge Rail				7	6	
(Type : <b>GALVANIZED STEEL FLEX BEAM</b> )						
Bridge Rail Posts				7	6	
(Type : <b>POST STEEL;POST STEEL</b> )						
Bridge Rail/Posts Coating				7	6	
(Type : <b>GALVANIZED</b> )						
Sidewalk				X	X	
<b>Girder Detail Ratings</b>						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>	0	0	0	4		
Girders				4	3	NE Curb gir numerous patches spalling & vertical crack @ (E span pier-possible fire damage) 050606 Asphalt in lift pockets. 1 Lift pocket not filled. Hairline to narrow longitudinal crack with no signs of corrosion stains from strand at 14 girders. Narrow to medium cracks at pier caps and abutments less than 0.5m in length. Sp.1 G3,4&6. Sp.2 G2. Sp.3 G4.  Previous grout repairs at pier caps and abutments where repair is cracked and de-laminated. Sp.1 G9, Sp.2 G8, Sp.3 G9 G5
Last Complete Inspection Date		23-Jan-2012				
Cracking (Y/N)		Yes				
Spalling (Percent Area)		5				
Lift or Connector Pocket Grouted (Y/N)		No				
(Number Of Girders : <b>27</b> )						
<b>Span Alignment Problems</b>						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				
<b>Superstructure General Rating</b>				<b>4</b>	<b>3</b>	

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
<b>Abutments</b>					
(Extended Backwall Piles (Y/N) : Y)					
(Extended Backwall Piles Spacing(mm) : 1000)					
(Total Number of Caps/Corbels : 15:5)					
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				6	5
(Type : TREATED TIMBER)					
(Depth(mm) : 660)					
(Width(mm) : 305)					
Backwalls/Breastwalls				7	6
Greatest Height (m)		1.90			
Wingwalls				7	6
(Total Number of Bearing Piles : 10:10)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	1			E. piles buried.	
<b>Now</b>	10	0	0	0	
Piles				N	5
Paint/Coating				N	X
Abutment Stability				7	7
Scour/Erosion				6	5
<b>Piers/Bents</b>					
(Type : PIER-COLUMN)					
W pier shimmed 0-40mm					
(Total Number of Caps/Corbels : 5:5)					
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				7	5
(Type : TREATED TIMBER)					
(Depth(mm) : 605)					
(Width(mm) : 305)					
(Total Number of Bearing Piles : 10:10)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>	0	0	0	0	
Pier Shaft/Piles				5	5
Greatest Height (m)		2.80			
Bracing/Struts/Sheathing				7	6
Nose Plate				X	X
Paint/Coating				X	X
(Colour Description : )					
(Colour Code : )					
Pier Stability				7	5

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		6	5	
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>S</b> )				Bends 90 D W. 30m U/S
(D/S Direction : <b>N</b> )				
Alignment		5	5	
Bank Stability		5	5	(Main channel excavated 0.5 - 1m below slopes. Slopes sluffing)
HWM (m below Top of Curb)				NO HWM VISIBLE
Drift (Y/N)	No			
Slope Protection		5	5	Pit run
(Type : <b>NATURAL; NATURAL</b> )				
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>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	2012	Seal cracks in acp between girders, over piers, and Abuts					
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	Grout 12 lift pockets at north and south curb					
OTHER ACTION	2012	Girder repair required at 8 girders					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>50.0/44.4</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>61.9/59.6</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	William Reardon		Previous Assistant's Name				
Next Inspection Date	23-Apr-2015		Previous Inspection Date	28-Nov-2008			
Inspection Cycle (Default) (months)	39						
Comment							