

Bridge Inspection										
Bridge File Number	80449 -2 Bridge				Form Type	PCS				
Year Built/Year Supstr	2003/2003				Lot No.	4				
Bridge or Town Name	SPRING COULE				Inspector Name	Jon Davies				
Located Over	SMR - IRRIGATION C, WATERCRS-IC				Inspector Class	BR CLS B				
Located On	LOCAL ROAD				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	24-Nov-2012				
Legal Land Location	SW SEC 30 TWP 4 RGE 22 W4M				Data Entry By	Kelsey Roberts				
Longitude, Latitude	-112:57:18, 49:19:26				Data Entry Date	03-Jan-2013				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts				
Contract Main. Area	UNDEFINED CMA				Review Date	02-Dec-2012				
Clear Roadway/Skew	7.2 /				Dept. Reviewer Name	Tim Davies				
AADT/Year	15 / 2003 (E)				Dept. Review Date	08-Jan-2013				
Road Classification	RLU-207G-60				Follow-Up By					
Detour Length (km)	2									
Allowable Load (t):	Single		Semi		Train		----> On Critical Spans ---->Critical Member			
Design Loading:								----> 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 req. Confirmed loading information. Assumed CS 750 due to girder type.									
Hazard Marker At Bridge (Y/N)	No									
Remarks										
Other Sign Types										

Utilities (Located at)										
Utility Attachments										
Telephone					Gas					
Power					Municipal					
Others					Problem (Y/N)	No				
Remarks	None visible									

Approach Road										
		Last	Now	Explanation of Condition						
Horizontal Alignment		8	5	Field access						
Vertical Alignment		8	5							
Roadway Width (m)	7.200									
Approach Bump		6	6							
Guardrail (Y/N)	No									
Guardrail		X	X							
Length (m)										
Current Standard (Y/N)										
Termination Type										
Drainage		7	7							
<b>Approach Road General Rating</b>		<b>8</b>	<b>5</b>							

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>SC, 4 Spans, Lengths(m): 10-8-8-10, 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)					
Deck Top			8	8	
Deck Rideability			8	8	
Deck Joints			8	8	
Bump (Y/N)		No			
Deck Drainage			8	8	Drains off to the sides of the bridge. No drains.
Drains Clogged (Y/N)		No			
Curbs/Median			X	X	
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)					
Bridge Rail			8	8	
(Type : <b>FLEX BEAM</b> )					
Bridge Rail Posts			8	8	
(Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			8	8	
(Type : <b>PAINT</b> )					
Sidewalk			X	X	
<b>Girder Detail Ratings</b>					
	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	Spalls in G-3 S-2, G-3 S3, G-4 S-3 all minor spalls from installation. Hairline D-crack at P3 Sp4-G1. No corrosion stains.
Last Complete Inspection Date		24-Nov-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		1			
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) : 1400)					
(Total Number of Caps/Corbels : 1:1)					
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			8	8	
(Type : STEEL)					
(Depth(mm) : 305)					
(Width(mm) : 305)					
Backwalls/Breastwalls			8	7	
Greatest Height (m)		0.60			
Wingwalls			8	X	
(Total Number of Bearing Piles : 5:5)					
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			8	8	
Paint/Coating			6	6	
Abutment Stability			8	8	
Scour/Erosion			8	7	
<b>Piers/Bents</b>					
(Type : PIER-COLUMN)					
(Total Number of Caps/Corbels : 1:1:1)					
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			9	8	
(Type : STEEL)					
(Depth(mm) : 350)					
(Width(mm) : 380)					
(Total Number of Bearing Piles : 5:5:5)					
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			9	8	
Greatest Height (m)		5.10			
Bracing/Struts/Sheathing			X	X	
Nose Plate			X	X	
Paint/Coating			6	6	
(Colour Description : )					
(Colour Code : )					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		8	8	
Scour		7	7	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>8</b>	<b>8</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				
(D/S Direction : <b>E</b> )				
Alignment		9	9	
Bank Stability		7	7	
HWM (m below Top of Curb)	2.3			No HWM visible
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : <b>RIP RAP; RIP RAP</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	9	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>9</b>	<b>7</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>83.3/83.3</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>91.7/77.2</b>	Est. Repl. Yr	2043	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	Tim Davies		Previous Assistant's Name				
Next Inspection Date	24-Aug-2017		Previous Inspection Date	12-Sep-2007			
Inspection Cycle (Default) (months)	57						
Comment							