

Bridge Inspection										
Bridge File Number	80443 -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	02-Dec-2012				
Legal Land Location	NW SEC 34 TWP 4 RGE 23 W4M				Data Entry By	Erin Roberts				
Longitude, Latitude	-113:01:53, 49:20:50				Data Entry Date	02-Jan-2013				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts				
Contract Main. Area	UNDEFINED CMA				Review Date	08-Dec-2012				
Clear Roadway/Skew	8 / 40 deg. (RHF)				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)	3									
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	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. Confirm design loading is CS 750.								
Hazard Marker At Bridge (Y/N)	No								
Remarks									
Other Sign Types	Yield sign 80m North.								

Utilities (Located at)										
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE									
Telephone	West ROW. Through girder conduit.				Gas					
Power	West ROW.				Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	5	T intersection 80m North				
Vertical Alignment			6	5					
Roadway Width (m)	7.200								
Approach Bump			7	6	Not thriebeam.				
Guardrail (Y/N)	Yes								
Guardrail			8	7					
Length (m)	4.000								
Current Standard (Y/N)	No								
Termination Type	ROUNDOUT								
Drainage			8	7					
<b>Approach Road General Rating</b>			<b>6</b>	<b>5</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>SC, 4 Spans, Lengths(m): 11-11-11-11, 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	7	
Deck Rideability			8	7	
Deck Joints			8	7	
Bump (Y/N)		No			
Deck Drainage			8	7	
Drains Clogged (Y/N)		No			
Curbs/Median			8	7	Narrow vertical cracks at post bases.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			8	7	Single layer.
(Type : <b>GALVANIZED STEEL FLEX BEAM</b> )					
Bridge Rail Posts			8	7	
(Type : <b>POST STEEL;POST STEEL</b> )					
Bridge Rail/Posts Coating			8	6	
(Type : <b>PAINT</b> )					
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			8	7	Hairline d-cracks at pier faces. No sign of corrosion stain at 7 of 32 girders.
Last Complete Inspection Date		02-Dec-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : <b>32</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>8</b>	<b>7</b>	

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
<b>Abutments</b>					
(Extended Backwall Piles (Y/N) : <b>N</b> )					
(Extended Backwall Piles Spacing(mm) : )					
(Total Number of Caps/Corbels : <b>1:1</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			8	8	
(Type : <b>STEEL</b> )					
(Depth(mm) : <b>305</b> )					
(Width(mm) : <b>305</b> )					
Backwalls/Breastwalls			8	7	
Greatest Height (m)		0.90			
Wingwalls			8	7	
(Total Number of Bearing Piles : <b>0:0</b> )					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	12	0	0	0	
Piles			8	N	
Paint/Coating			6	6	
Abutment Stability			8	8	
Scour/Erosion			8	8	
<b>Piers/Bents</b>					
(Type : <b>PIER-COLUMN</b> )					
(Total Number of Caps/Corbels : <b>1:1:1</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			8	8	
(Type : <b>STEEL</b> )					
(Depth(mm) : <b>305</b> )					
(Width(mm) : <b>305</b> )					
(Total Number of Bearing Piles : <b>6:6:6</b> )					
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			8	8	
Greatest Height (m)		4.70			
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		8	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>E</b> )				
(D/S Direction : <b>W</b> )				
Alignment		8	8	
Bank Stability		8	8	
HWM (m below Top of Curb)				No HWM visible.
Drift (Y/N)	No			
Slope Protection		8	8	
(Type : <b>RIP RAP; RIP RAP</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>8</b>	<b>8</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>88.9/83.3</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>92.4/77.9</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	02-Sep-2017		Previous Inspection Date	11-Sep-2007			
Inspection Cycle (Default) (months)	57						
Comment							