

Bridge Inspection										
Bridge File Number	78898 -1 Bridge				Form Type	PSR				
Year Built/Year Supstr	1998/1998				Lot No.	4				
Bridge or Town Name	SPRING COULE				Inspector Name	Jason Rusu				
Located Over	ST MARY RIVER, 2.12.20, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	505:04 C1 14.874				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	10-Jun-2012				
Legal Land Location	SW SEC 12 TWP 5 RGE 24 W4M				Data Entry By	Erin Roberts				
Longitude, Latitude	-113:06:46, 49:21:53				Data Entry Date	25-Jul-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts				
Contract Main. Area	CMA25				Review Date	10-Jul-2012				
Clear Roadway/Skew	9 / -15 deg. (LHF)				Dept. Reviewer Name	Tim Davies				
AADT/Year	440 / 2011 (A)				Dept. Review Date	30-Jul-2012				
Road Classification	RAU-209-110				Follow-Up By					
Detour Length (km)	40									
Allowable Load (t):	Single	CS1 28		Semi	CS2 49		Train	CS3 62		---> On Critical Spans --->Critical Member
Design Loading:	CS750				---> 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)	No								
Remarks									
Other Sign Types	Curve 80km/hr,								

Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone	North R/W				Gas	300m West			
Power	3W 100m South				Municipal				
Others	Supernet South ROW.				Problem (Y/N)	No			
Remarks									

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		5	5	Curves both ends on grade up to hill @ East. No passing Dam 80m North-St Mary Dam.					
Vertical Alignment		5	5						
Roadway Width (m)		9.000							
Approach Bump		7	7						
Guardrail (Y/N)		Yes		Guardrail @ East 3 steel cables & steel I-beam post rail @ West. East rail length 99m Turnout NW					
Guardrail		7	7						
Length (m)		28.000		Not thriebeam.					
Current Standard (Y/N)		No							
Termination Type		TURNDOWN							
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 : CBT, 4 Spans, Lengths(m): 27-34-34-27, A-Ident Number: )						
<b>Special Features</b>						
Special Feature			7	Frost fence safety rail on bridge		
(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			7	7	Wide spread medium long and random cracks	
(Material Type : <b>CONCRETE</b> )						
(Thickness(mm) : <b>50</b> )						
Lateral Connection Problem (Y/N)		No				
Deck Top			N	N		
Deck Rideability			8	8		
Deck Joints			8	8	Armoured gland @ each abut	
Temperature (deg. C)		12				
(Expansion Type : <b>ARMOURED GLAND (WABO UNDER FINGER OR SLIDING PLATES)</b> )						
(Fixed Type : )						
Gap Size (mm)		Gap Location				
40		E abut				
54		W abut				
Deck Drainage			8	8		
Drains Clogged (Y/N)		No				
Curbs/Median			8	8		
(Curb Type : <b>Standard</b> )						
Scaling (Percent Area)		0				
Bridge Rail			9	9		
(Type : <b>GALVANIZED STEEL BRIDGE TUBE;STEEL BRIDGE TUBE</b> )						
Bridge Rail Posts			9	9		
(Type : <b>POST STEEL;POST STEEL</b> )						
Bridge Rail/Posts Coating			9	9		
(Type : <b>GALVANIZED</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	8		
Cracking (Y/N)		No				
Spalling (Percent Area)		0				
(Number Of Girders : <b>28</b> )						

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
<b>(Primary Span : CBT, 4 Spans, Lengths(m): 27-34-34-27, A-Ident Number: )</b>				
Diaphragms/Cross Frame		9	9	
Bearings		9	9	
Temperature (deg. C)	12			
<b>(Expansion Type : REINFORCED PAD BEARING)</b>				
<b>(Fixed Type : REINFORCED PAD BEARING)</b>				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		9	9	
Stains (Percent Area)	0			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>8</b>	<b>8</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		9	9	
<b>(Type : CONCRETE)</b>				
Backwalls/Breastwalls		9	9	
Wingwalls		9	9	
Piles		N	N	Buried.
Paint/Coating		X	X	
Abutment Stability		9	9	
Scour/Erosion		9	9	
<b>Piers/Bents</b>				
<b>(Type : PIER-SOLID)</b>				
Bearing Seats/Caps		9	9	
<b>(Type : CONCRETE)</b>				
<b>(Total Number of Bearing Piles : 0:0:0)</b>				3 massive piers.
Pier Shaft/Piles		9	9	
Bracing/Struts/Sheathing		X	X	
Nose Plate		9	9	
Paint/Coating		9	9	Galv.
<b>(Colour Description : )</b>				
<b>(Colour Code : )</b>				
Pier Stability		9	9	
Scour		N	N	Water too deep to see
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>9</b>	<b>9</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				Dam 80m north
(D/S Direction : <b>E</b> )				
Alignment		9	9	
Bank Stability		9	9	
HWM (m below Top of Curb)				No HWM visible
Drift (Y/N)	No			
Slope Protection		9	9	Class 1 & 2 mix
(Type : <b>RIP RAP; RIP RAP</b> )				
Guidebank/Spurs		9	9	
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>9</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>94.4/94.4</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>80.7/80.7</b>	Est. Repl. Yr	2081	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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	10-Sep-2015		Previous Inspection Date	19-Jun-2009			
Inspection Cycle (Default) (months)	39						
Comment							