

Bridge Inspection									
Bridge File Number	80442 -2 Bridge				Form Type	PCS			
Year Built/Year Supstr	2003/2003				Lot No.	3			
Bridge or Town Name	SPRINGCOULE				Inspector Name	Jon Davies			
Located Over	PINEPOUND CREEK, 2.12.20.4, WATERCRS-ST				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 32 TWP 4 RGE 23 W4M				Data Entry By	Erin Roberts			
Longitude, Latitude	-113:04:11, 49:20:49				Data Entry Date	02-Jan-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts			
Contract Main. Area	UNDEFINED CMA				Review Date	07-Dec-2012			
Clear Roadway/Skew	8 /				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:	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. Confirm loading at CS 750.								

Hazard Marker At Bridge (Y/N)	No								
Remarks									
Other Sign Types									

Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power	North ROW.				Municipal				
Others	AB environment gauge at NE junction box.				Problem (Y/N)	No			
Remarks	And conduit on North curb.								

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			4	5	Sharp curve at each end with a steep hill at both ends.				
Vertical Alignment			4	5					
Roadway Width (m)		6.000			Collision damage at SW. Not thriebeam. Turndown on the West end and round out on the East end.				
Approach Bump			7	7					
Guardrail (Y/N)		Yes							
Guardrail			7	4					
Length (m)		6.000							
Current Standard (Y/N)		No							
Termination Type		turndown							
Drainage			8	5	Drains at A1 and A2 headslopes.				
Approach Road General Rating			4	5					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SC, 4 Spans, Lengths(m): 10-10-10-10, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	0	0	0	0	
Now	0.0	0.0	0.0	0.0	
Wearing Surface		X	X		
(Material Type :)					
(Thickness(mm) :)					
Lateral Connection Problem (Y/N)					
Deck Top		6	6	Minor edge spalls. Worst at Sp2 G6. 300x250x50mm deep.	
Deck Rideability		8	7		
Deck Joints		8	7		
Bump (Y/N)		No			
Deck Drainage		8	7	No drains.	
Drains Clogged (Y/N)		No			
Curbs/Median		8	7		
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail		8	7	2 layers.	
(Type : GALVANIZED STEEL W-BEAM)					
Bridge Rail Posts		8	7		
(Type : POST STEEL;POST STEEL)					
Bridge Rail/Posts Coating		6	6		
(Type : PAINT)					
Sidewalk		X	X		
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Girders		7	7	Hairline d-cracks with no corrosion stains at pier faces. Sp 1- G5 and 6. Sp 2- G6.	
Last Complete Inspection Date		02-Dec-2012			
Cracking (Y/N)		Yes		Hairline longitudinal cracks on bottom of girder no corrosion stains. Sp 1 - G 2, and 6, Sp 2 - G2 and Sp 4- G7.	
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 32)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating		7	7		

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
Abutments					
(Extended Backwall Piles (Y/N) : N)					
(Extended Backwall Piles Spacing(mm) :)					
(Total Number of Caps/Corbels : 1:1)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	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)		1.70			
Wingwalls			8	7	
(Total Number of Bearing Piles : 6:6)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Piles			8	8	
Paint/Coating			6	6	
Abutment Stability			8	8	
Scour/Erosion			8	7	
Piers/Bents					
(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)	
Last	0	0	0	0	
Now	0	0	0	0	
Bearing Seats/Caps/Corbels			8	8	
(Type : STEEL)					
(Depth(mm) : 305)					
(Width(mm) : 305)					
(Total Number of Bearing Piles : 6:6:6)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Pier Shaft/Piles			8	8	
Greatest Height (m)		6.90			
Bracing/Struts/Sheathing			8	8	
Nose Plate			8	8	
Paint/Coating			6	6	
Grey.					
(Colour Description :)					
(Colour Code :)					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		9	7	
Scour		8	4	4m wide x 6m long scour at pier 2 D/S piles 4, 5 and 6. Unable to confirm depth. Caused by old concrete pad D/S of span 2.
Debris (Y/N)	Yes			Minor drift caught at pier piles.
Substructure General Rating		8	7	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		8	8	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	9	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		8	7	

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	2013	Replace TT post at SW guardrail.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	83.3/77.8	Sufficiency Rating (Last/Now) (%)	74.4/78.7	Est. Repl. Yr	2043	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	Tim Davies		Previous Assistant's Name				
Next Inspection Date	02-Sep-2017		Previous Inspection Date	11-Sep-2007			
Inspection Cycle (Default) (months)	57						
Comment							