

Bridge Inspection										
Bridge File Number	78924 -2 Bridge				Form Type	PCS				
Year Built/Year Supstr	2003/2003				Lot No.	2				
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 33 TWP 4 RGE 23 W4M				Data Entry By	Erin Roberts				
Longitude, Latitude	-113:03:16, 49:20:52				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	7 /				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	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 loading as CS 750.									
Hazard Marker At Bridge (Y/N)	No									
Remarks										
Other Sign Types	Yield sign 20m North. Warning "T" intersection sign at South approach.									

Utilities (Located at)										
Utility Attachments	GAS UTILITIES-GAS LINE; TELEPHONE UTILITIES-PHONE LINE									
Telephone	SW corner				Gas					
Power	North ROW.				Municipal					
Others					Problem (Y/N)		No			
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			4	4	T intersection 40m North Road drops both ways. Road allowance - range road 234.				
Vertical Alignment			5	5					
Roadway Width (m)	6.300								
Approach Bump			7	6					
Guardrail (Y/N)	No								
Guardrail			X	X					
Length (m)									
Current Standard (Y/N)									
Termination Type									
Drainage			8	7					
Approach Road General Rating			4	4					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : SC, 4 Spans, Lengths(m): 9-9-9-9, 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			8	7		
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	6	Small spall at SW and SE from collision damage.	
(Curb Type : Standard)						
Scaling (Percent Area)		1				
Bridge Rail			4	4	Missing bolts in the lap connection 16 splices missing bolts. Wing end turn off at SW. Missing one nut at post bases at Sp3- G1 Post 5 and Sp4- G1 Post 1. Single layer.	
(Type : GALVANIZED STEEL FLEX BEAM)						
Bridge Rail Posts			8	3		
(Type : POST STEEL;POST STEEL)						
Bridge Rail/Posts Coating			5	5		
(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			8	4	Sp1 -G3 curb girder bottom corner crack/ spall 100x 100mm. Same at Sp3-G1 curb. Rated 4. Sp4-G3 hairline longitudinal crack on bottom of girder. No corrosion stains.	
Last Complete Inspection Date		02-Dec-2012				
Cracking (Y/N)		Yes				
Spalling (Percent Area)		1				
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			8	4		

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)		1.10			
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			7	6	
Abutment Stability			9	8	
Scour/Erosion			8	8	
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)		5.30			
Bracing/Struts/Sheathing			X	X	
Nose Plate			X	X	
Paint/Coating			7	6	
(Colour Description :)					
(Colour Code :)					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		9	8	
Scour		8	7	
Debris (Y/N)	No			
Substructure General Rating		8	8	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		9	9	
Bank Stability		8	8	
HWM (m below Top of Curb)				No HWM visible.
Drift (Y/N)	No			
Slope Protection		8	7	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		9	7	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2013	Drill holes and add 108 bolts. Add 2 nuts to post bases at West. Install North and West wing end at SW.					
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	Patch girder spalls Sp1- G8 and Sp3- G1					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	88.9/66.7	Sufficiency Rating (Last/Now) (%)	84.9/60.4	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	19-Nov-2007			
Inspection Cycle (Default) (months)	57						
Comment							