

Bridge Inspection							
Bridge File Number	09271 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1968/1968			Lot No.	1		
Bridge or Town Name	ROCKYFORD			Inspector Name	Garry Roberts		
Located Over	SERVICEBERRY CREEK, 3.33.9, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	564:08 C1 4.088			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	11-Jan-2012		
Legal Land Location	SW SEC 6 TWP 26 RGE 23 W4M			Data Entry By	Erin Roberts		
Longitude, Latitude	-113:12:11, 51:10:60			Data Entry Date	07-Feb-2012		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Tom Carey		
Contract Main. Area	CMA30			Review Date	18-Jan-2012		
Clear Roadway/Skew	9.1 /			Dept. Reviewer Name	Tim Davies		
AADT/Year	420 / 2010 (A)			Dept. Review Date	09-Feb-2012		
Road Classification	RCU-209-110			Follow-Up By			
Detour Length (km)	5						
Allowable Load (t):	Single	CS1 30 GIRDER	Semi	CS2 49 GIRDER	Train	CS3 70 GIRDER	----> 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.						
Hazard Marker At Bridge (Y/N)	Yes						
Remarks							
Other Sign Types	ADVANCE SCHOOL BUS WARNING Railway Xing						

Utilities (Located at)			
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE		
Telephone	ATTACHED TO SOUTH CURB		Gas
Power	1 wire X-ing 100 m East, 1 wire North ditch		Municipal
Others			Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Railway xing 400m west SIGHT DISTANCE LIMITED TO THE EAST
Vertical Alignment		5	5	
Roadway Width (m)	9.600			Not thriebeam.
Approach Bump		7	7	
Guardrail (Y/N)	Yes			
Guardrail		8	7	
Length (m)	12.000			
Current Standard (Y/N)	No			
Termination Type	TURN DOWN			
Drainage		7	7	
Approach Road General Rating		5	5	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : HC, 3 Spans, Lengths(m): 8.5-10.1-8.5, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last					
Now	0.0	0.0	0.0	0.0	
Wearing Surface				6	6
(Material Type : ACP)					
(Thickness(mm) : 100)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	ACP Covered
Bump (Y/N)					
Deck Drainage			8	7	
Drains Clogged (Y/N)		No			
Curbs/Median			5	6	
(Curb Type : Standard)					
Scaling (Percent Area)		1			
Bridge Rail			6	7	2 layers
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			6	7	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	6	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Girders			4	4	Minor drift pin spalls.
Last Complete Inspection Date		11-Jan-2012			
Cracking (Y/N)		Yes		Wide cracks in sound concrete in AZ of both legs at Sp 1- G6, G10 and Sp 3-G2. Several other girders with wide cracks in sound concrete of 1 leg only.	
Spalling (Percent Area)		1			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 33)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			4	4	

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
Abutments					
(Extended Backwall Piles (Y/N) : Y)					
(Extended Backwall Piles Spacing(mm) : 1500)					
(Total Number of Caps/Corbels : 3:3)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Bearing Seats/Caps/Corbels				5	5
(Type : TREATED TIMBER)					
(Depth(mm) : 355)					
(Width(mm) : 305)					
Backwalls/Breastwalls			7	5	
Greatest Height (m)		1.10			
Wingwalls			7	6	
(Total Number of Bearing Piles : 7:7)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Piles				6	5
Paint/Coating				X	X
Abutment Stability				8	7
Scour/Erosion				5	6
Piers/Bents					
(Type : PIER-COLUMN)					
(Total Number of Caps/Corbels : 3:3)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Bearing Seats/Caps/Corbels				5	4
(Type : TREATED TIMBER)					
(Depth(mm) : 355)					
(Width(mm) : 305)					
(Total Number of Bearing Piles : 9:9)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Pier Shaft/Piles				5	5
Greatest Height (m)		4.80			
Bracing/Struts/Sheathing				5	5
Nose Plate				X	X
Paint/Coating				X	X
(Colour Description :)					
(Colour Code :)					
Pier Stability				5	5
Wide crack in South end of P2 cap. End of cap may have beginning rot.					
Wide crack in 3 piles but banded.					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		6	6	
Debris (Y/N)	Yes			Old piles in channel.
Substructure General Rating		5	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				STREAM FLOWS AGAINST WEST BANK AFTER IT EXITS THE BRIDGE. NO ACTION REQUIRED
(D/S Direction : N)				
Alignment		5	5	
Bank Stability		7	7	
HWM (m below Top of Curb)				Not visible
Drift (Y/N)	No			
Slope Protection		7	7	Class II rock - West bank
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		5	5	

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	2012	Core cap and piles due to age.					
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							
Structural Condition Rating (Last/Now) (%)	50.0/44.4	Sufficiency Rating (Last/Now) (%)	63.8/61.9	Est. Repl. Yr	2025	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	The bridge is quite high, measures 5.3m from deck to streambed - double layer of bracing. Monitor West pier cap. Moisture in cap at 9.8m from North end from previous coring.		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	William Reardon		Previous Assistant's Name				
Next Inspection Date	11-Apr-2015		Previous Inspection Date	27-Nov-2008			
Inspection Cycle (Default) (months)	39						
Comment							