

Bridge Inspection							
Bridge File Number	09337 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1964/1964			Lot No.	1		
Bridge or Town Name	ROCKYFORD			Inspector Name	Jason Rusu		
Located Over	ROSEBUD RIVER, 3.33, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	21:12 C1 31.485			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	09-Aug-2012		
Legal Land Location	SE SEC 24 TWP 27 RGE 24 W4M			Data Entry By	Lauren Korte		
Longitude, Latitude	-113:14:37, 51:19:02			Data Entry Date	05-Sep-2012		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Garry Roberts		
Contract Main. Area	CMA29			Review Date	19-Aug-2012		
Clear Roadway/Skew	11 /			Dept. Reviewer Name	Tim Davies		
AADT/Year	1,800 / 2011 (A)			Dept. Review Date	06-Sep-2012		
Road Classification	RAU-211.8-110			Follow-Up By			
Detour Length (km)	38						
Allowable Load (t):	Single	CS1 38 GIRDER	Semi	CS2 61 GIRDER	Train	CS3 88 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	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.							
Hazard Marker At Bridge (Y/N)	No							
Remarks	Not required.							
Other Sign Types	Curve							

Utilities (Located at)			
Utility Attachments			
Telephone			Gas
Power	3 wires 20m East of c/l.		Municipal
Others			Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Passing allowed, good sight distance.
Vertical Alignment		7	7	Long gradual sag curve with curves near tops of both hills.
Roadway Width (m)	11.000			New ACP overlay.
Approach Bump		8	8	
Guardrail (Y/N)	Yes			1/2 post section only @ bolted connection @ NE.
Guardrail		7	4	Not thriebeam.
Length (m)	30.500			
Current Standard (Y/N)	No			
Termination Type	TURNED DOWN ENDS			
Drainage		7	7	
Approach Road General Rating		7	7	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PE, 3 Spans, Lengths(m): 12.8-12.8-12.8, 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			8	7	
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			8	N	
Deck Rideability			8	8	
Deck Joints			N	N	Paved over.
Bump (Y/N)		No			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			7	7	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			7	7	
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			7	7	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	3	
Now	0	0	0	3	
Girders			3	3	(Leakage between girders @ 2 locations @ South span.) Wide cracks in both legs, 1st interior North span, East side. Several girders spalled @ East and South.
Last Complete Inspection Date		09-Aug-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		15		3 Girders @ North Center span have wide cracks that are in both webs in AZ- concrete soundness not confirmed. 26 girders in total with cracks or spalls in AZ.	
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 39)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			3	3	

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				5	5	
(Type : CONCRETE)						
(Depth(mm) :)						
(Width(mm) :)						
Backwalls/Breastwalls			5	5	Both abutment breastwalls have corrosion stains & isolated cracking. Stained from joint leakage.	
Greatest Height (m)		1.50				
Wingwalls			7	7		
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	1	0	0	0		
Now	1	0	0	0		
Piles				N	N	
Paint/Coating				X	X	
Abutment Stability			8	8		
Scour/Erosion			7	7		
Piers/Bents						
(Type : PIER-SOLID)						
(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				6	6	
(Type : CONCRETE)						
(Depth(mm) :)						
(Width(mm) :)						
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Pier Shaft/Piles				7	7	
Greatest Height (m)		4.50				
Bracing/Struts/Sheathing			X	X		
Nose Plate			6	6		
Paint/Coating			4	4	70% superficial corrosion @ nose plate.	
(Colour Description :)						
(Colour Code :)						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		7	7	
Scour		6	6	Minor scour behind North pier.
Debris (Y/N)	No			
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				Meandering through wide valley.
(D/S Direction : E)				
Alignment		6	6	
Bank Stability		5	5	Scour D/S on both banks. No action @ this time. 2m deep cutbanks @ SE.
HWM (m below Top of Curb)				None visible.
Drift (Y/N)	No			
Slope Protection		6	6	Concrete apron @ North.
(Type : CONCRETE)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		6	6	

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	2015	Replace superstructure - type PC. Place on 5 year superstructure replacement list.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	44.4/44.4	Sufficiency Rating (Last/Now) (%)	61.6/61.8	Est. Repl. Yr	2015	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	Jason Rusu			
Next Inspection Date	09-May-2014		Previous Inspection Date	12-Nov-2010			
Inspection Cycle (Default) (months)	21						
Comment							