

Bridge Inspection									
Bridge File Number	70626 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1965/1965				Lot No.	4			
Bridge or Town Name	ROCKYFORD				Inspector Name	Jason Rusu			
Located Over	CNR				Inspector Class	BR CLS A			
Located On	21:12 C1 15.106				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	09-Aug-2012			
Legal Land Location	SW SEC 35 TWP 25 RGE 24 W4M				Data Entry By	Lauren Korte			
Longitude, Latitude	-113:15:34, 51:10:22				Data Entry Date	05-Sep-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts			
Contract Main. Area	CMA30				Review Date	19-Aug-2012			
Clear Roadway/Skew	11 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	2,360 / 2011 (A)				Dept. Review Date	06-Sep-2012			
Road Classification	RAU-211.8-110				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 Vert. Clearance Posting (m)										
Posted Vertical Clearance (Y/N)		No								
Posted:	Lane	NB	On Bridge (m)		In Advance (Y/N)		Lane	SB	On Bridge (m)	In Advance (Y/N)
Remarks	Not required.									
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	200 m North.				Gas				
Power					Municipal				
Others	Telegraph lines under bridge.				Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			5	5	At end of horizontal curve, limited sight distance. No passing.				
Vertical Alignment			7	7					
Roadway Width (m)		11.000							
Approach Bump			6	4	Settled 30mm @ NE shoulder.				
Guardrail (Y/N)		Yes			Several posts leaning @ NE.				
Guardrail			5	5					
Length (m)		80.000			Not thriebeam.				
Current Standard (Y/N)		No							
Termination Type		TURNED DOWN							
Drainage			6	6					
Approach Road General Rating			5	5					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PM, 5 Spans, Lengths(m): 16.8-16.8-16.8-16.8-15.2, 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			5	5	Longitudinal hairline & moderate map cracking @ random locations, predominantly NB lane. All epoxy filled cracks.
(Material Type : CONCRETE)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			6	6	
Deck Joints			4	6	Wershocrete paving lips at pier joint. Glands @ Piers & Tar seal joints @ Abuts. Pier and abutment joints repaired.
Temperature (deg. C)		25			
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
82		South pier			
74		Center pier			
88		Center pier			
80		North pier			
Deck Drainage			5	5	
Drains Clogged (Y/N)		No			
Curbs/Median			5	5	Corrosion stains @ curb faces @ all spans.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			7	7	
(Type : GALVANIZED STEEL VERTICAL BAR)					
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	0	
Now	0	0	0	0	
Girders			7	7	
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
(Number Of Girders : 65)					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : PM, 5 Spans, Lengths(m): 16.8-16.8-16.8-16.8-15.2, A-Ident Number:)				
Diaphragms/Cross Frame		X	X	
Bearings		7	7	
Temperature (deg. C)	25			
(Expansion Type : NEOPRENE STRIP BEARING)				
(Fixed Type : NEOPRENE STRIP BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	
Stains (Percent Area)	0			
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				
Bearing Seats/Caps		4	4	Delamination crack @ Top of North abut - 50mm from top. 4 med vertical cracks at South Abut.
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		7	7	
Piles		N	N	
Paint/Coating		X	X	
Abutment Stability		8	8	
Scour/Erosion		6	6	
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		4	4	Minor cracks & corrosion stains @ all pier caps. Pier cap #1 has corrosion stain with crack at SW face. Pier cap #2 has corrosion stain on North face at SW. Pier #3 footing has 2 - 2mm to 3mmwide vertical cracks. Pier cap #3 has wide cracks and staining on S face at NE. Pier cap #4 has wide cracks and staining on North face at NE.
(Type : CONCRETE)				
(Total Number of Bearing Piles : 3:3:3:3)				
Pier Shaft/Piles		5	5	
Bracing/Struts/Sheathing		X	X	
Nose Plate		6	6	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		N	N	
Debris (Y/N)	No			
Substructure General Rating		4	4	

Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		X	X	CNR under span 2. Creek under spans 3 & 4.
Traffic Safety Features		X	X	
Type				
Slope Protection		6	6	
(Type : CONCRETE; CONCRETE)				
Bank Stability		6	6	
Drainage		7	7	
Grade Separation General Rating		6	6	

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							
Structural Condition Rating (Last/Now) (%)	61.1/61.1	Sufficiency Rating (Last/Now) (%)	64.4/64.9	Est. Repl. Yr	2028	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	09-May-2014		Previous Inspection Date	12-Nov-2010			
Inspection Cycle (Default) (months)	21						
Comment							