

Bridge Inspection											
Bridge File Number	09511 -1 Bridge				Form Type	PSR					
Year Built/Year Supstr	1984/1984				Lot No.	2					
Bridge or Town Name	ROSALIND				Inspector Name	Jason Saly					
Located Over	BATTLE RIVER, 5, WATERCRS-ST				Inspector Class	BR CLS A					
Located On	854:01 C1 13.943				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	16-Jun-2010					
Legal Land Location	NE SEC 7 TWP 43 RGE 17 W4M				Data Entry By	Jill Potts					
Longitude, Latitude	-112:26:58, 52:41:48				Data Entry Date	02-Jul-2010					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien					
Contract Main. Area	CMA16				Review Date	24-Jun-2010					
Clear Roadway/Skew	8.6 /				Dept. Reviewer Name	Chris Black					
AADT/Year	100 / 2009 (A)				Dept. Review Date	06-Jul-2010					
Road Classification	RLU-210G-90				Follow-Up By						
Detour Length (km)	20										
Allowable Load (t):	Single	CS1 28			Semi	CS2 49			Train	CS3 62	----> On Critical Spans ---->Critical Member
Design Loading:	MS300									----> 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										
Hazard Marker At Bridge (Y/N)	Yes									
Remarks										
Other Sign Types										

Utilities (Located at)										
Utility Attachments										
Telephone					Gas					
Power					Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road					
		Last	Now	Explanation of Condition	
Horizontal Alignment		5	5	Curves both ends. Bottom of long sag, limited sight distance.	
Vertical Alignment		5	5		
Roadway Width (m)	10.000				
Approach Bump		5	5		
Guardrail (Y/N)	Yes	Insufficient length. Damaged terminal end @ SW.			
Guardrail		5	4		
Length (m)	11.600				
Current Standard (Y/N)	No				
Termination Type	Turn Down				
Drainage		6	3	NE ditch repairs failed.	
Approach Road General Rating		5	5		

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : DBT, 2 Spans, Lengths(m): 26-38, 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						
Wearing Surface			X	X		
(Material Type :)						
(Thickness(mm) :)						
Lateral Connection Problem (Y/N)		No				
Deck Top			7	6		
Deck Rideability			7	7		
Deck Joints			7	5	SE curb cover plate missing 1 A/B.	
Temperature (deg. C)		19				
(Expansion Type : ARMoured GLAND (WABO UNDER FINGER OR SLIDING PLATES))						
(Fixed Type : COMPRESSION SEAL (ACME SEALS))						
Gap Size (mm)		Gap Location				
95		N. Abutment - A2				
33		Pier				
65		S. Abutment - A1				
Deck Drainage			8	8	Drains to South.	
Drains Clogged (Y/N)		No				
Curbs/Median			8	7		
(Curb Type : Standard)						
Scaling (Percent Area)		0				
Bridge Rail			9	8	Insufficient threads at several locations.	
(Type : GALVANIZED STEEL BRIDGE TUBE)						
Bridge Rail Posts			4	5		
(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						
Girders			4	4	Narrow diagonal cracks at girder ends extend from transition to narrow portion of web. Girders are tied at pier.	
Cracking (Y/N)		Yes				
Spalling (Percent Area)		0				
(Number Of Girders : 14)						

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : DBT, 2 Spans, Lengths(m): 26-38, A-Ident Number:)				
Diaphragms/Cross Frame		9	8	
Bearings		9	8	
Temperature (deg. C)	19			
(Expansion Type :)				
(Fixed Type :)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		9	7	
Stains (Percent Area)	0			
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				
Bearing Seats/Caps		9	8	
(Type : CONCRETE)				
Backwalls/Breastwalls		9	8	
Wingwalls		9	8	
Piles		N	N	
Paint/Coating		X	X	
Abutment Stability		9	8	
Scour/Erosion		9	8	
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 4)				
Pier Shaft/Piles		8	8	
Bracing/Struts/Sheathing		8	8	
Nose Plate		X	X	
Paint/Coating		8	8	
(Colour Description : YELLOW)				
(Colour Code : 13538)				
Pier Stability		9	8	
Scour		8	8	
Debris (Y/N)	No			
Substructure General Rating		8	8	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				
(D/S Direction : S)				
Alignment		7	6	
Bank Stability		4	4	90 degree cut banks @ South bank U/S, D/S & @ headslope.
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		6	6	Class I at North slope, stream banks natural.
(Type :)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		4	4	

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	2010	Re-install ditch erosion protection.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	61.6/61.6	Est. Repl. Yr	2051	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor cracks in girders marked and dated at NW. Monitor bank erosion.		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	16-Sep-2013		Previous Inspection Date	11-Feb-2009			
Inspection Cycle (Default) (months)	39						
Comment							