

Bridge Inspection									
Bridge File Number	73877 -1 Bridge				Form Type	SG			
Year Built/Year Supstr	1991/1991				Lot No.	1			
Bridge or Town Name	RYCROFT				Inspector Name	Brian Pientsch			
Located Over	SADDLE RIVER, 8.10.72, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	49:06 C1 10.806				Assistant Name	Russel Vanderschaaf			
Water Body Cl./Year					Assistant Class	BR CLS B			
Navigabil. Cl./Year					Inspection Date	25-Jul-2011			
Legal Land Location	SW SEC 10 TWP 78 RGE 4 W6M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-118:32:00, 55:44:29				Data Entry Date	04-Oct-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA05				Review Date	29-Sep-2011			
Clear Roadway/Skew	11.8 / -10 deg. (LHF)				Dept. Reviewer Name	Steve Pasquan			
AADT/Year	1,080 / 2010 (A)				Dept. Review Date	18-Nov-2011			
Road Classification	RAU-211.8-110				Follow-Up By				
Detour Length (km)	70								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	CS750						----> 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	Not on bridgerail.								
Other Sign Types	Curve, hill.								
Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone					Gas				
Power	50m North - 3 line.				Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			5	5	Est 6% grades both sides. bridge built on sag at bottom of horizontal "S" curve.				
Vertical Alignment			5	5					
Roadway Width (m)	11.800								
Approach Bump			5	5					
Guardrail (Y/N)	Yes								
Guardrail			6	6					
Length (m)	50.000								
Current Standard (Y/N)	Yes								
Termination Type	TURNED DOWN ENDS								
Drainage			6	3	30mWx15mLx6mD slough SE corner along shoulder. 18mWx8mL slough NE wall. Void under West approach.-photo				
Approach Road General Rating			5	5					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : WG, 2 Spans, Lengths(m): 70-70, A-Ident Number: A1166-01)						
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	1.0		
Wearing Surface			4	3	Random transverse & longitudinal cracks. 200mm dia pothole EBL near curb at W approach. 5mx1m area in WBL near W. abut. deteriorating.-photo	
(Material Type : ACP)						
(Thickness(mm) : 90)						
Deck Top			N	N		
Deck Rideability			7	3	7mLx1mW pothole NE corner near approach.-photo	
Deck Joints			4	4	Cover plate in WBL @ East abut. makes noise under traffic. NW cover plate protruding 20mm, 1 bolt head sheared off.-photo	
Temperature (deg. C)		22				
(Expansion Type : ARMoured GLAND (WABO UNDER FINGER OR SLIDING PLATES))						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
25			E. abut			
35			W. abut			
Deck Drainage			8	8		
Drains Clogged (Y/N)		No				
Curbs/Median			6	6	Tranverse cracks spaced evenly 2m on curbs, typical. SW horizontal wide crack 150mm off bottom of curb.-photo	
(Curb Type : Standard)						
Scaling (Percent Area)		1				
Bridge Rail			4	4	4 splice bolts missing in E. rail, 6 W. rail.-photo	
(Type : GALVANIZED STEEL BRIDGE TUBE)						
Bridge Rail Posts			8	8		
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating			7	7		
(Type : GALVANIZED)						
Sidewalk			X	X		
Girder/Beam						
Cover Plate			X	X		
Flange			8	8		
Web			8	8		
Stiffeners			8	8		
Splice			8	8		
Weld			8	8		
Diaphragms/Cross Frame			8	8		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : WG, 2 Spans, Lengths(m): 70-70, A-Ident Number: A1166-01)				
Paint Condition		5	5	weathering steel
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings		7	7	Pier bearings inspected from banks.
Temperature (deg. C)	20			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type :)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		5	3	Hairline tranverse cracks @ 1.5m O.C 1.2mx0.3m spall, 0.8mx70mm spall and wide wide crack with rust staining WBL Span 2, near West abut. at curb.-photos
Stains (Percent Area)	1			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		5	3	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		5	3	West roof slab support has 1.2mLx0.5mW spall @ NE corner.-photo
(Type : CONCRETE)				
Backwalls/Breastwalls		8	8	
Wingwalls		5	3	0.15mW x 0.8mL spall NE wingwall.-photo
Piles		N	N	
Paint/Coating		X	X	
Abutment Stability		6	6	
Scour/Erosion		5	4	Fill has settled under North abutment 150mm.
Piers/Bents				
(Type : PIER-SOLID)				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0)				
Pier Shaft/Piles		8	8	
Bracing/Struts/Sheathing		X	X	
Nose Plate		8	8	
Paint/Coating		8	8	
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		8	8	
Debris (Y/N)	No			

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		5	3	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		7	7	
Bank Stability		5	5	
HWM (m below Top of Curb)	14.0			Drift in grass 25-Jul-2011
Drift (Y/N)	Yes			
Slope Protection		6	6	
(Type : RIP RAP)				
Guidebank/Spurs		7	7	
Adequacy of Opening		9	9	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	7	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012	Install 10 missing BR splice bolts.					
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS	2012	Repair SE coverplate and install missing bolt.					
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2012	Patch potholes.					
OTHER ACTION	2012	Repair spalls on deck underside, cap and wingwalls.					
OTHER ACTION	2012	Repair void under West approach.					
OTHER ACTION	2012	Repair sloughing @ SE corner and NE bank.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	55.6/33.3	Sufficiency Rating (Last/Now) (%)	60.3/48.6	Est. Repl. Yr	2051	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	Arnold Assenheimer		Previous Assistant's Name	Shane Hall			
Next Inspection Date	25-Apr-2013		Previous Inspection Date	11-Nov-2009			
Inspection Cycle (Default) (months)	21						
Comment							