

Bridge Inspection									
Bridge File Number	01245 -1 Bridge				Form Type	SG			
Year Built/Year Supstr	1952/1952				Lot No.	2			
Bridge or Town Name	ROSSINGTON				Inspector Name	Eric Carcoux			
Located Over	PEMBINA RIVER, 8.11.84, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	18:10 C1 21.117				Assistant Name	Wade Nanninga			
Water Body Cl./Year					Assistant Class	BR CLS B			
Navigabil. Cl./Year					Inspection Date	02-Sep-2011			
Legal Land Location	SE SEC 9 TWP 60 RGE 1 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-114:05:17, 54:10:01				Data Entry Date	27-Sep-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer			
Contract Main. Area	CMA10				Review Date	26-Sep-2011			
Clear Roadway/Skew	8.5 / 7 deg. (RHF)				Dept. Reviewer Name	Brent Herrick			
AADT/Year	1,800 / 2010 (A)				Dept. Review Date	28-Sep-2011			
Road Classification	RAU-211.8-110				Follow-Up By				
Detour Length (km)	22								
Allowable Load (t):	Single	CS1 56 GIRDER	Semi	CS2 68 GIRDER	Train	CS3 82 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	Information, River ID - NE & SW.								
Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power	2 wire N r/w, crosses 20m West.				Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	5	Curve @ East end, ok sight distance. No passing on bridge.				
Vertical Alignment			7	7					
Roadway Width (m)	11.400								
Approach Bump			7	7					
Guardrail (Y/N)	Yes				NW & SE - 51.5m; NE & SW - 55.1m.				
Guardrail			7	7					
Length (m)	51.500								
Current Standard (Y/N)	Yes								
Termination Type	Turned Down								
Drainage			N	4					
Approach Road General Rating			6	5					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : RB, 4 Spans, Lengths(m): 26.8-33.5-33.5-26.8, A-Ident Number: A0230-01;A1460-01)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
Last	40	0	0	0		
Now						
Wearing Surface			4	4	Seal coat on SF concrete overlay. Ploughs have worn off chips 15%.	
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)						
(Thickness(mm) : 60)						
Deck Top			N	N		
Deck Rideability			8	8		
Deck Joints			7	7		
Temperature (deg. C)		12				
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
70		West abutment				
75		East abutment				
Deck Drainage			7	7		
Drains Clogged (Y/N)		No				
Curbs/Median			6	6	Random transverse cracking. Shrinkage cracking.	
(Curb Type : Standard)						
Scaling (Percent Area)						
Bridge Rail			7	7		
(Type : GALVANIZED STEEL BRIDGE TUBE)						
Bridge Rail Posts			6	6		
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating			7	7		
(Type : GALVANIZED)						
Sidewalk			X	X		
Girder/Beam						
Cover Plate			5	5	Inspected from banks only. Cover plates stitch weld only along edges.	
Flange			7	7		
Web			7	7		
Stiffeners			X	X		
Splice			7	7		
Weld			7	7		
Diaphragms/Cross Frame			5	5		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : RB, 4 Spans, Lengths(m): 26.8-33.5-33.5-26.8, A-Ident Number: A0230-01;A1460-01)				
Paint Condition		5	5	Interior girders paint only. Green. Exterior are weathering steel.
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings		7	7	Steel plate superficial rusting.
Temperature (deg. C)	12			
(Expansion Type : REINFORCED PAD BEARING)				
(Fixed Type : PINNED BEARING)				
Coating Adequate (Y/N)	No			
Functioning (Y/N)	Yes			
Deck Underside		6	5	Transverse cracks at 2.0 m o.c, some with efflor. Inspected end spans only.
Stains (Percent Area)	1			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		6	5	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		7	7	
Piles		N	N	
Paint/Coating		6	6	1% peeling @ E. abut.
Abutment Stability		7	7	
Scour/Erosion		7	4	Erosion gulleys both abutments- East filled with Class 1m
Piers/Bents				
(Type : PIER-SOLID)				Shotcrete on west pier falling away at water level.
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0:0:0)				
Pier Shaft/Piles		5	5	
Bracing/Struts/Sheathing		X	X	
Nose Plate		6	6	
Paint/Coating		6	6	
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		N	N	
Debris (Y/N)	Yes			Small logs caught @ piers.
Substructure General Rating		5	5	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		8	8	
Bank Stability		6	6	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		6	4	Erosion gulleys in headslope - East filled with 1m rock.
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	5	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		6	4	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
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	2011	Fill erosion holes @ 4 corners; 1 on headslopes. Construct concrete drain troughs, if not done.					
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	61.1/55.6	Sufficiency Rating (Last/Now) (%)	60.1/54.1	Est. Repl. Yr	2035	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Bridge rehabilitated in 2005.		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	Eric Carcoux		Previous Assistant's Name				

Next Inspection Date	02-Jun-2013	Previous Inspection Date	17-Dec-2009
Inspection Cycle (Default) (months)	21		
Comment			