

Bridge Inspection											
Bridge File Number	79471 -1 Bridge					Form Type	SG				
Year Built/Year Supstr	2008/2008					Lot No.	2				
Bridge or Town Name						Inspector Name	Jason Rusu				
Located Over	1:12 R1 0.004;1:12 L1 0.004;1:10 L1 20.151;1:10 R1 20.149;RAMP 159-2 C;RAMP 159-2 H					Inspector Class	BR CLS A				
Located On	9:02 R1 0.000;9:02 L1 0.000;797:04 R1 6.424;797:04 L1 6.423					Assistant Name					
Water Body Cl./Year						Assistant Class					
Navigabil. Cl./Year						Inspection Date	03-Mar-2012				
Legal Land Location	NW SEC 11 TWP 24 RGE 27 W4M					Data Entry By	Anne Roberts				
Longitude, Latitude	-113:40:46, 51:02:14					Data Entry Date	28-Mar-2012				
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Garry Roberts				
Contract Main. Area	CMA30					Review Date	12-Mar-2012				
Clear Roadway/Skew	19.8 /					Dept. Reviewer Name	Tim Davies				
AADT/Year	2,120 / 2011 (A)					Dept. Review Date	29-Mar-2012				
Road Classification	RAU-209-110					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:	CL800										----> Primary Span

Posting Information													
Required Vert. Clearance Posting (m)			UNDER: 1 L1 6.1m, 1 R1 5.7m, 1 L1 6.1m, 1 R1 5.7m										
Posted Vertical Clearance (Y/N)													
Posted:	Lane	EB	On Bridge (m)	5.5	In Advance (Y/N)	Yes	Lane	WB	On Bridge (m)	5.5	In Advance (Y/N)	Yes	
Remarks													
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)		In Advance (Y/N)	No	At Bridge (Y/N)	No					
Remarks			Not required										
Hazard Marker At Bridge (Y/N)		No											
Remarks													
Other Sign Types		Route, Speed											

Utilities (Located at)			
Utility Attachments			
Telephone			Gas
Power	Overhead throughout area		Municipal
Others	Light Standards		Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		6	6	Bumps at all 4 corners. South end recently patched but still approx 150mm settlement a SBL
Vertical Alignment		5	5	
Roadway Width (m)	19.600			
Approach Bump		4	4	
Guardrail (Y/N)	Yes			Minor settlement at NE and NW trough drains. Minor mower damage to NW drain
Guardrail		8	8	
Length (m)	70.000			
Current Standard (Y/N)	Yes			
Termination Type	wing end			
Drainage		5	5	

Approach Road					
			Last	Now	Explanation of Condition
Approach Road General Rating			5	5	
Superstructure					
Bridge Component			Last	Now	Explanation of Condition
(Primary Span : WG, 2 Spans, Lengths(m): 57-57, A-Ident Number: A1743-01)					
Special Features					
Special Feature					
(Type :)					
Special Feature					
(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	8	
(Material Type : MIX TYPE 1 ACP)					
(Thickness(mm) : 80)					
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			8	N	At abuts only, sand/water filled
Temperature (deg. C)		7			
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
80		North Abut			
78		South Abut			
Deck Drainage			8	N	Snow and gravel covers curbs
Drains Clogged (Y/N)		Yes			
Curbs/Median			7	N	Medium width transverse cracks throughout west curb top - epoxy sealed Medium width transverse crack at curb exterior at West over pier
(Curb Type : Standard)					
Scaling (Percent Area)					
Bridge Rail			9	8	
(Type : BRIDGE TUBE)					
Bridge Rail Posts			9	8	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			8	8	
(Type :)					
Sidewalk			X	X	
Girder/Beam					
Cover Plate			X	X	
Flange			9	9	
Web			9	9	
Stiffeners			9	9	
Splice			9	9	
Weld			9	9	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : WG, 2 Spans, Lengths(m): 57-57, A-Ident Number: A1743-01)				
Diaphragms/Cross Frame		9	9	
Paint Condition		X	X	Weathering steel
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings		8	8	only partially seen @ abuts at abuts
Temperature (deg. C)	5			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				at pier
(Fixed Type : ROCKER BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	Widespread narrow transverse cracks & Efflorescence @ south Span
Stains (Percent Area)	5			
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		9	9	
(Type : CONCRETE)				
Backwalls/Breastwalls		8	8	
Wingwalls		8	8	
Piles		N	N	Buried
Paint/Coating		8	8	Decorative paint @ wingwalls
Abutment Stability		8	8	
Scour/Erosion		X	X	
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		9	9	
(Type :)				
(Total Number of Bearing Piles : 0)				
Pier Shaft/Piles		9	9	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		8	8	Decorative paint @ pier shafts
(Colour Description :)				
(Colour Code :)				
Pier Stability		9	9	
Scour		X	X	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Debris (Y/N)	No			
Substructure General Rating		9	9	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		8	8	Collector lanes both sides
Traffic Safety Features		X	X	
Type	None			
Slope Protection		9	9	Straw mats in place
(Type : CONCRETE; CONCRETE)				
Bank Stability		8	8	
Drainage		8	8	
Grade Separation General Rating		8	8	

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							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2012	Repair approach road settlement at 4 corners- may require excavation					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	88.9/88.9	Sufficiency Rating (Last/Now) (%)	70.4/70.6	Est. Repl. Yr	2070	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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	03-Dec-2013		Previous Inspection Date	17-Jul-2010			
Inspection Cycle (Default) (months)	21						
Comment							