

Bridge Inspection										
Bridge File Number	82409 -1 Bridge					Form Type	PSR			
Year Built/Year Supstr	2008/2008					Lot No.	2			
Bridge or Town Name						Inspector Name	Garry Roberts			
Located Over	201:08 R1 14.966;201:08 L1 14.776;RAMP 2826-1 C					Inspector Class	BR CLS A			
Located On	BEDDINGTON TRAIL NW					Assistant Name				
Water Body Cl./Year						Assistant Class				
Navigabil. Cl./Year						Inspection Date	19-Aug-2011			
Legal Land Location	SW SEC 29 TWP 25 RGE 1 W5M					Data Entry By	Erin Roberts			
Longitude, Latitude	-114:07:02, 51:09:25					Data Entry Date	06-Sep-2011			
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Tom Carey			
Contract Main. Area	DEERFOOT/STONE Y					Review Date	24-Aug-2011			
Clear Roadway/Skew	39.6 / -24 deg. (LHF)					Dept. Reviewer Name	Tim Davies			
AADT/Year						Dept. Review Date	08-Sep-2011			
Road Classification						Follow-Up By				
Detour Length (km)	0									
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: 201 L1 5.9m, 201 R1 5.7m									
Posted Vertical Clearance (Y/N)			Yes									
Posted:	Lane	EB	On Bridge (m)	5.4	In Advance (Y/N)	Yes	Lane	WB	On Bridge (m)	5.4	In Advance (Y/N)	Yes
Remarks												
Required Load Posting (t)			Single				Semi				Truck Train	
Posted Loading (t)			Single				Semi				Truck Train	
Posted:	Lane	WB	At Junction (Y/N)				In Advance (Y/N)				At Bridge (Y/N)	
Posted:	Lane	EB	At Junction (Y/N)				In Advance (Y/N)				At Bridge (Y/N)	
Remarks			Not req'd									
Hazard Marker At Bridge (Y/N)		No										
Remarks		Not req'd										
Other Sign Types												

Utilities (Located at)									
Utility Attachments									
Telephone						Gas			
Power	Lighting under deck and NE					Municipal			
Others	Light standards					Problem (Y/N)	No		
Remarks									

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		6	6	Controlled intersections both ends. 6
Vertical Alignment		6	6	
Roadway Width (m)	40.000			Approx. 70mm settlement at South abut in both directions and at NE.
Approach Bump		8	4	
Guardrail (Y/N)	Yes			Concrete barriers
Guardrail		8	8	
Length (m)	20.000			
Current Standard (Y/N)	Yes			
Termination Type	sloped			
Drainage		7	7	
Approach Road General Rating		6	6	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : NU, 2 Spans, Lengths(m): 44-56, 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			8	4	Pothole developing at North abut joint in SBL- 2 locations.
(Material Type : ACP)					
(Thickness(mm) : 90)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	Paved over.
Deck Rideability			8	8	
Deck Joints			4	4	Plow guards over stripseals. Missing plow guards- A2 - SBL - 3, A1 - SBL - 3, A1 - NBL - 3.
Temperature (deg. C)		23			
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
50			Abut. 1- South		
65			Abut.2- North		
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			8	8	
(Curb Type : JERSEY/F SHAPE)					
Scaling (Percent Area)		0			
Bridge Rail			8	8	Bridge rail on jersey barrier @ East Pedestrian rail @ West
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			8	8	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			8	7	
(Type : GALVANIZED)					
Sidewalk			8	4	ACP is 60mm low at South end and 30mm low at North.
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Girders			8	8	
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
(Number Of Girders : 14)					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : NU, 2 Spans, Lengths(m): 44-56, A-Ident Number:)				
Diaphragms/Cross Frame		8	8	
Bearings		7	7	Viewed with binoculars.
Temperature (deg. C)	23			
(Expansion Type : POT BEARING)				Integral at pier
(Fixed Type :)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		8	8	
Stains (Percent Area)	2			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		8	8	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
Backwalls/Breastwalls		8	8	
Wingwalls		7	7	some narrow cracks
Piles		N	N	Buried.
Paint/Coating		8	7	Pigmented sealer.
Abutment Stability		9	8	
Scour/Erosion		8	8	
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		9	8	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0)				
Pier Shaft/Piles		9	8	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		8	7	Pigmented sealer.
(Colour Description :)				
(Colour Code :)				
Pier Stability		9	8	
Scour		8	8	
Debris (Y/N)	No			
Substructure General Rating		8	8	

Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		7	7	
Traffic Safety Features		8	8	Double sided thriebeam at North side. Concrete barrier at NW.
Type	Thriebeam			
Slope Protection		8	8	
(Type : CONCRETE; CONCRETE)				
Bank Stability		8	8	
Drainage		8	8	
Grade Separation General Rating		7	7	

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	2011	Potholes at North abut SBL and South and NE approaches					
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS	2011	Replace 9 broken plow guards.					
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2011	Patch ACP at sidewalk ends					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	88.9/88.9	Sufficiency Rating (Last/Now) (%)	78.9/75.8	Est. Repl. Yr	2078	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	19-May-2013		Previous Inspection Date	22-Nov-2009			
Inspection Cycle (Default) (months)	21						
Comment							