

Bridge Inspection											
Bridge File Number	82406 -1 Bridge					Form Type	PSR				
Year Built/Year Supstr	2008/2008					Lot No.	3				
Bridge or Town Name						Inspector Name	Garry Roberts				
Located Over	201:08 R1 8.523;201:08 L1 8.323					Inspector Class	BR CLS A				
Located On	COUNTRY HILLS BLVD NW					Assistant Name					
Water Body Cl./Year						Assistant Class					
Navigabil. Cl./Year						Inspection Date	17-Aug-2011				
Legal Land Location	SW SEC 22 TWP 25 RGE 2 W5M					Data Entry By	Alyssa Boynton				
Longitude, Latitude	-114:12:15, 51:08:42					Data Entry Date	09-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	30 /					Dept. Reviewer Name	Tim Davies				
AADT/Year						Dept. Review Date	16-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 6.2m, 201 R1 6.7m									
Posted Vertical Clearance (Y/N)			Yes									
Posted:	Lane	NB	On Bridge (m)	5.4	In Advance (Y/N)	Yes	Lane	SB	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)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No				
Posted:	Lane	EB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No				
Remarks			Not Required.									

Hazard Marker At Bridge (Y/N)	No											
Remarks												
Other Sign Types			Exit 20km/h route									

Utilities (Located at)												
Utility Attachments												
Telephone						Gas						
Power	Under deck and at East abut					Municipal						
Others	Light standards					Problem (Y/N)	No					
Remarks												

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		6	6	Ramps and on slight crest
Vertical Alignment		6	6	
Roadway Width (m)	30.000			Jersey Barriers
Approach Bump		7	7	
Guardrail (Y/N)	No			
Guardrail		8	8	
Length (m)	16.000			
Current Standard (Y/N)	Yes			
Termination Type	Sloped			
Drainage		8	8	
Approach Road General Rating		6	6	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : NU, 2 Spans, Lengths(m): 48-48, 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	8	
(Material Type : ACP)					
(Thickness(mm) : 90)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	Paved over.
Deck Rideability			8	8	
Deck Joints			8	8	
Temperature (deg. C)		25			
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
80		East Abut			
75		West Abut			
Deck Drainage			8	8	
Drains Clogged (Y/N)		No			
Curbs/Median			8	8	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			8	8	Rail on top of jersey barrier @ South Galvanized pedestrian rail @ North
(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			7	7	Transverse cracks
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Girders			8	8	No evidence of cracks and no marked cracks from 2008 Level 2 inspection.
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
(Number Of Girders : 12)					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : NU, 2 Spans, Lengths(m): 48-48, A-Ident Number:)				
Diaphragms/Cross Frame		8	8	
Bearings		7	7	Main bolts @ upper plate fully engaged. 4 smaller ones backed out up to 20mm. Integral at pier.
Temperature (deg. C)	25			
(Expansion Type : POT BEARING)				
(Fixed Type :)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		8	8	
Stains (Percent Area)	1			
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		8	8	
(Type : CONCRETE)				
Backwalls/Breastwalls		8	8	
Wingwalls		9	8	
Piles		N	N	Buried.
Paint/Coating		8	7	
Abutment Stability		9	8	
Scour/Erosion		9	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		7	7	Pigmented sealer.
(Colour Description :)				
(Colour Code :)				
Pier Stability		9	8	
Scour		X	X	
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	X	
Type				
Slope Protection		8	8	
(Type : CONCRETE; CONCRETE)				
Bank Stability		8	8	
Drainage		8	8	
Grade Separation General Rating		8	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							
SEAL DECK	2012	GFE at sidewalk cracks.					
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							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	83.3/83.3	Sufficiency Rating (Last/Now) (%)	79.0/74.5	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	17-May-2013		Previous Inspection Date	20-Nov-2009			
Inspection Cycle (Default) (months)	21						
Comment							