

Bridge Inspection										
Bridge File Number	82407 -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 11.399;201:08 L1 11.228					Inspector Class	BR CLS A			
Located On	SARCEE TRAIL					Assistant Name				
Water Body Cl./Year						Assistant Class				
Navigabil. Cl./Year						Inspection Date	13-Aug-2011			
Legal Land Location	NE SEC 23 TWP 25 RGE 2 W5M					Data Entry By	Erin Roberts			
Longitude, Latitude	-114:09:57, 51:09:05					Data Entry Date	06-Sep-2011			
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Tom Carey			
Contract Main. Area	DEERFOOT/STONEYP					Review Date	24-Aug-2011			
Clear Roadway/Skew	28.7 / 30 deg. (RHF)					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 6.4m, 201 R1 5.8m										
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	4 wires to North					Municipal			
Others	Light standards					Problem (Y/N)	No		
Remarks				Conduit @ South Backwall					

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Traffic lights both ends
Vertical Alignment		6	6	
Roadway Width (m)	30.200			Jersey Barrier 80m at NW
Approach Bump		7	7	
Guardrail (Y/N)	No			
Guardrail		8	8	
Length (m)	18.000			
Current Standard (Y/N)	Yes			
Termination Type	Sloped			
Drainage		7	7	
<b>Approach Road General Rating</b>		<b>6</b>	<b>6</b>	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>NU, 2 Spans, Lengths(m): 52.5-52.5, A-Ident Number: )</b>					
<b>Special Features</b>					
Special Feature			X		
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0.0	0.0	0.0	0.0	
Wearing Surface			8	8	
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>90</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	Paved over.
Deck Rideability			8	8	
Deck Joints			8	4	At abuts. only 4 missing plow guards at SBL of North abut.
Temperature (deg. C)		25			
(Expansion Type : )					
(Fixed Type : )					
Gap Size (mm)		Gap Location			
75		N Abut			
70		S Abut			
Deck Drainage			8	8	
Drains Clogged (Y/N)		No			
Curbs/Median			9	8	
(Curb Type : <b>SINGLE SLOPE CONCRETE BARRIER</b> )					
Scaling (Percent Area)		0			
Bridge Rail			8	8	Pedestrian Rail at East Bridgerail on Jersey Barrier at West  Isolated corrosion at NW
(Type : <b>PARAPET RAIL</b> )					
Bridge Rail Posts			8	8	
(Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			5	5	
(Type : )					
Sidewalk			7	7	Med-wide transverse cracks
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0	0	0	0	
Girders			7	8	Continuous spans.
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
(Number Of Girders : <b>11</b> )					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : <b>NU, 2 Spans, Lengths(m): 52.5-52.5, A-Ident Number: )</b>				
Diaphragms/Cross Frame		8	8	
Bearings		8	8	
Temperature (deg. C)	25			
(Expansion Type : <b>REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL</b> )				
(Fixed Type : )				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		8	8	
Stains (Percent Area)	0			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>7</b>	<b>8</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		8	8	
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls		8	8	
Wingwalls		6	6	Wide diagonal cracks at NE
Piles		N	N	Buried.
Paint/Coating		6	6	Minor leaching and isolated peeling @ Wings
Abutment Stability		9	9	
Scour/Erosion		8	8	
<b>Piers/Bents</b>				
(Type : <b>PIER-COLUMN</b> )				
Bearing Seats/Caps		9	8	
(Type : <b>CONCRETE</b> )				
(Total Number of Bearing Piles : <b>0</b> )				
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		8	8	
Scour		X	X	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>8</b>	<b>8</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Grade Separation</b>				
Road Alignment		7	7	
Traffic Safety Features		X	X	
Type	None			
Slope Protection		7	8	
(Type : <b>CONCRETE; CONCRETE</b> )				
Bank Stability		8	8	
Drainage		8	8	
<b>Grade Separation General Rating</b>		<b>7</b>	<b>7</b>	

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							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS	2011	Replace 4 plow guards at North abut- check others.					
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							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>83.3/88.9</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>76.3/74.6</b>	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	13-May-2013		Previous Inspection Date	21-Nov-2009			
Inspection Cycle (Default) (months)	21						
Comment							