

Bridge Inspection										
Bridge File Number	82018 EN2-3 Bridge				Form Type	PSR				
Year Built/Year Supstr	2007/2007				Lot No.	2				
Bridge or Town Name	STONEY TR				Inspector Name	Garry Roberts				
Located Over	1:09 L1 4.559;1:09 R1 4.549				Inspector Class	BR CLS A				
Located On	201:08 R1 0.856				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	14-Aug-2011				
Legal Land Location	SW SEC 33 TWP 24 RGE 2 W5M				Data Entry By	Alyssa Boynton				
Longitude, Latitude	-114:13:40, 51:05:15				Data Entry Date	07-Sep-2011				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey				
Contract Main. Area	DEERFOOT/STONEY				Review Date	24-Aug-2011				
Clear Roadway/Skew	12.4 / 52 deg. (RHF)				Dept. Reviewer Name	Tim Davies				
AADT/Year	35,490 / 2010 (A)				Dept. Review Date	08-Sep-2011				
Road Classification					Follow-Up By					
Detour Length (km)	1									
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 6.0m, 1 R1 8.0m										
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		Actual = 6.19 clearance @ NW corner in WB										
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)		At Bridge (Y/N)					
Remarks		Not req'd										
Hazard Marker At Bridge (Y/N)		No										
Remarks		Not req'd										
Other Sign Types		Cherrons mounted at east barrier										

Utilities (Located at)									
Utility Attachments									
Telephone	South East				Gas				
Power	In area				Municipal	Street lighting			
Others	RWIS station at South East.				Problem (Y/N)	No			
Remarks									

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		5	6	In horiz curve on N/B Stoney Trail.
Vertical Alignment		5	6	
Roadway Width (m)	12.400			3x2x80mm deep settlement at North East approach shoulder.
Approach Bump		6	4	
Guardrail (Y/N)		Yes		80mm settlement at NW corner barrier.
Guardrail		6	7	Continuous conc. barrier @ SE & SW, ties in to 82018EN1.
Length (m)	99.000			
Current Standard (Y/N)		Yes		
Termination Type		None		
Drainage		7	4	80x200 deep settlement at South East parapet interface.
Approach Road General Rating		5	6	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PB, 2 Spans, Lengths(m): 48-56, 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	5	Type H2 with waterproofing system. 1 isolated 200x100 pothole at South West corner.
(Material Type : ACP)					
(Thickness(mm) : 80)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	Paved over.
Deck Rideability			8	8	
Deck Joints			8	4	1 missing plow deflector at LH lane of A1 and A2.
Temperature (deg. C)		18			
(Expansion Type :)					
(Fixed Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
Gap Size (mm)		Gap Location			
55		A1			
65		A2			
Deck Drainage			8	7	Drains to North, on grade One deck drain @ NW corner under ACP
Drains Clogged (Y/N)		No			
Curbs/Median			8	8	Narrow vertical cracks. Concrete barriers. Parapets.
(Curb Type :)					
Scaling (Percent Area)		0			
Bridge Rail			X	X	Pigmented sealer on barriers. Light scaling at west side.
(Type :)					
Bridge Rail Posts			X	X	
(Type :)					
Bridge Rail/Posts Coating			7	6	
(Type :)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Girders			8	8	Cast in place.
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
(Number Of Girders : 0)					
Diaphragms/Cross Frame			X	X	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : PB, 2 Spans, Lengths(m): 48-56, A-Ident Number:)				
Bearings		9	9	A1 & A2
Temperature (deg. C)	18			
(Expansion Type : POT BEARING)				
(Fixed Type :)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		8	8	
Stains (Percent Area)	0			
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		9	9	
(Type : CONCRETE)				
Backwalls/Breastwalls		8	8	
Wingwalls		8	8	
Piles		N	N	Buried.
Paint/Coating		7	5	Isolated scaling at North West wing.
Abutment Stability		9	9	
Scour/Erosion		8	8	
Piers/Bents				
(Type : PIER-SOLID)				Integral
Bearing Seats/Caps		8	8	
(Type :)				
(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		8	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	

Structure Usage				
		Last	Now	Explanation of Condition
Traffic Safety Features		8	8	
Type	Concrete Barrier			
Slope Protection		4	8	South abutment gap filled.
(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	Patch 100 x 200 pothole at South West deck.					
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS	2011	Replace 2 plow deflectors.					
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2011	Fill 3x2x80mm deep settlement at North East and 200x80 at South East.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	88.9/88.9	Sufficiency Rating (Last/Now) (%)	80.4/70.9	Est. Repl. Yr	2080	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	14-May-2013		Previous Inspection Date	18-Nov-2009			
Inspection Cycle (Default) (months)	21						
Comment							