

Bridge Inspection													
Bridge File Number	82005 S-2 Bridge					Form Type	CON						
Year Built/Year Supstr	2000/2000					Lot No.	4						
Bridge or Town Name	CALGARY - DEERFOOT TRAIL OVER 96 AVENUE					Inspector Name	Garry Roberts						
						Inspector Class	BR CLS A						
Located Over	25289:02 L1 0.222;25289:02 R1 0.223					Assistant Name							
Located On	2:15 L1 44.188					Assistant Class							
Water Body Cl./Year						Inspection Date	07-Jan-2013						
Navigabil. Cl./Year						Data Entry By	Lauren Korte						
Legal Land Location	SE SEC 23 TWP 25 RGE 1 W5M					Data Entry Date	28-Jan-2013						
Longitude, Latitude	-114:02:07, 51:08:28					Reviewer Name	Tom Carey						
Road Authority	Alberta Transportation (AIT)					Review Date	17-Jan-2013						
Contract Main. Area	DEERFOOT/STONEV					Dept. Reviewer Name	Tim Davies						
Clear Roadway/Skew	16 / 19 deg. (RHF)					Dept. Review Date	29-Jan-2013						
AADT/Year	80,390 / 2011 (A)					Follow-Up By							
Road Classification	RFD-616.6-130												
Detour Length (km)	1												
Allowable Load (t):	Single	CS1 28			Semi	CS2 49			Train	CS3 62			----> On Critical Spans ---->Critical Member
Design Loading:	CS750											----> Primary Span	
Posting Information													
Required Vert. Clearance Posting (m)													
Posted Vertical Clearance (Y/N)			Yes										
Posted:	Lane	EB	On Bridge (m)	5.4	In Advance (Y/N)	No	Lane	WB	On Bridge (m)		In Advance (Y/N)	No	
Remarks													
Required Load Posting (t)			Single			Semi			Truck Train				
Posted Loading (t)			Single			Semi			Truck Train				
Posted:	Lane	NB	At Junction (Y/N)			In Advance (Y/N)			At Bridge (Y/N)				
Posted:	Lane	SB	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													
Utilities (Located at)													
Utility Attachments	POWER UTILITIES-POWER LINE												
Telephone						Gas							
Power	Main transmission to West. Underside deck lighting.					Municipal	Manhole to SW.						
Others	Light standards.					Problem (Y/N)	No						
Remarks			Open trench and utility installation underway at SW.										
Approach Road													
			Last	Now	Explanation of Condition								
Horizontal Alignment			7	7	Hill to South.								
Vertical Alignment			7	7									
Roadway Width (m)			16.000										
Approach Bump			4	6									
Guardrail (Y/N)			Yes		Wrong lap at SE and SW. 76m at North end. Not thriebeam.								
Guardrail			3	4									
Length (m)			30.000										
Current Standard (Y/N)			No										
Termination Type			TURNDOWN										
Drainage			7	7									
Approach Road General Rating			7	7									

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : CS, 2 Spans, Lengths(m): 20.1-22.8, A-Ident Number:)						
Special Features						
Special Feature			7	At pier - decorative wing.		
(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			7	7		
(Material Type : ACP)						
(Thickness(mm) : 50)						
Deck Top			N	N	Paved.	
Deck Rideability			7	7		
Deck Joints			X	X		
Temperature (deg. C)						
(Expansion Type :)						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
Deck Drainage			7	7		
Drains Clogged (Y/N)		No				
Curbs/Median			7	7		
(Curb Type : Standard)						
Scaling (Percent Area)		0				
Bridge Rail			6	6	All posts have no back washers. 22 posts A/B nuts not fully engaged.	
(Type : BRIDGE TUBE)						
Bridge Rail Posts			4	4		
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating			7	7		
(Type :)						
Sidewalk			X	X		
Girders			X	X		
Diaphragms/Cross Frame			X	X		
Bearings			X	X	Integral at pier & abutments.	
Temperature (deg. C)						
(Expansion Type :)						
(Fixed Type :)						
Coating Adequate (Y/N)						
Functioning (Y/N)						
Deck Underside			7	7		
Stains (Percent Area)		2				
Span Alignment Problems						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : CS, 2 Spans, Lengths(m): 20.1-22.8, A-Ident Number:)				
Superstructure General Rating		7	7	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats		X	N	Integral.
Backwalls/Breastwalls		8	8	
Wingwalls		6	6	
Piles		N	N	Buried.
Paint/Coating		5	5	Staining at exteriors at corners.
Abutment Stability		7	7	
Scour/Erosion		X	X	
Piers/Bents				
(Type : PIER-SOLID)				Integral.
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
Pier Shaft/Piles		8	8	
Nose Plate		X	X	
Paint/Coating		7	7	
(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		6	6	Controlled intersection & 90 deg turn @ West.
Traffic Safety Features		7	7	Hazard marker at pier.
Type	PARAPETS			
Slope Protection		7	7	MSE panel at abut. Natural at sides at headslope.
(Type :)				
Bank Stability		7	7	
Drainage		6	6	
Grade Separation General Rating		6	6	

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							
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) (%)	62.1/62.1	Est. Repl. Yr	2071	Maint. Req. (Y/N)	No
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	07-Oct-2014		Previous Inspection Date	10-Apr-2011			
Inspection Cycle (Default) (months)	21						
Comment							