

Bridge Inspection										
Bridge File Number	82007 S-2 Bridge					Form Type	CON			
Year Built/Year Supstr	2000/2000					Lot No.	3			
Bridge or Town Name	CALGARY					Inspector Name	Garry Roberts			
Located Over	2:15 R1 17.242;2:15 L1 17.333					Inspector Class	BR CLS A			
Located On	25199:02 R1 0.543					Assistant Name				
Water Body Cl./Year						Assistant Class				
Navigabil. Cl./Year						Inspection Date	28-Jan-2013			
Legal Land Location	NE SEC 9 TWP 23 RGE 29 W4M					Data Entry By	Erin Roberts			
Longitude, Latitude	-113:58:56, 50:56:43					Data Entry Date	19-Feb-2013			
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Tom Carey			
Contract Main. Area	DEERFOOT/STONEYP					Review Date	06-Feb-2013			
Clear Roadway/Skew	10.8 / 45 deg. (RHF)					Dept. Reviewer Name	Tim Davies			
AADT/Year	15,800 / 2003 (E)					Dept. Review Date	21-Feb-2013			
Road Classification	UAD-407.9-70					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:	CS750									----> Primary Span

Posting Information												
Required Vert. Clearance Posting (m)	UNDER: 2 L1 5.6m, 2 R1 5.6m											
Posted Vertical Clearance (Y/N)	Yes											
Posted:	Lane	NB	On Bridge (m)		In Advance (Y/N)	No	Lane	SB	On Bridge (m)	6.2	In Advance (Y/N)	No
Remarks	5.6m NB sign on 82007N - 6.2m Sign is hidden by sign structure. Bolt is pulled and may be loose at S/B.											
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)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No				
Remarks	Not req.											

Hazard Marker At Bridge (Y/N)	Yes										
Remarks											
Other Sign Types											

Utilities (Located at)									
Utility Attachments									
Telephone	to SE				Gas				
Power	North ROW and attached to column.				Municipal		Manhole to SE & NE		
Others	Light standards				Problem (Y/N)		No		
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			5	5	Deck on curve & super elevation B2173				
Vertical Alignment			5	5					
Roadway Width (m)	10.800				20mm difference at deck joint. Settled 100mm at West.				
Approach Bump			5	5					
Guardrail (Y/N)	Yes				Concrete parapets				
Guardrail			7	7					
Length (m)	99.000								
Current Standard (Y/N)	Yes								
Termination Type	TURNDOWN								
Drainage			6	7					
Approach Road General Rating			5	5					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : CX, 3 Spans, Lengths(m): 30-36-39, 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	10.0	0.0	0.0	0.0		
Wearing Surface			8	7	PMA	
(Material Type : ACP)						
(Thickness(mm) : 50)						
Deck Top			N	N	Paved over.	
Deck Rideability			8	8		
Deck Joints			6	6	West joint abut side sits 10mm higher than bridge side. East abut approach side is 20mm higher than @ bridge Minor spalling at East abut. joint. Transverse gap requires sealing.	
Temperature (deg. C)		-5				
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
55		E abut				
70		W abut				
Deck Drainage			7	7	No drains	
Drains Clogged (Y/N)		No				
Curbs/Median			7	6	Parapets are 20% snow covered. Minor spall at SW.	
(Curb Type : Standard)						
Scaling (Percent Area)		0				
Bridge Rail			7	7	5% of grout pads spalled	
(Type : GALVANIZED STEEL BRIDGE TUBE)						
Bridge Rail Posts			4	4	Galvanized	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating			6	6		
(Type : GALVANIZED)						
Sidewalk			X	X		
Girders			7	7		
Diaphragms/Cross Frame			X	X		
Bearings			8	8	Minor corrosion at South abut-2%	
Temperature (deg. C)		-5				
(Expansion Type : POT BEARING)						
(Fixed Type :)						
Coating Adequate (Y/N)		Yes				
Functioning (Y/N)		Yes				
Deck Underside			7	7	Some corrosion stains at North Exterior Uneven deck/curb ext casting lines	
Stains (Percent Area)		1				
Span Alignment Problems						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : CX, 3 Spans, Lengths(m): 30-36-39, A-Ident Number:)				
Superstructure General Rating		7	7	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats		8	8	Covered with pigeon crap.
Backwalls/Breastwalls		8	8	
Wingwalls		5	5	Wide cracks in NE and SE wings.
Piles		N	N	Buried
Paint/Coating		4	4	Cracked and peeling at all wings.
Abutment Stability		8	8	
Scour/Erosion		4	3	1x3m erosion at SW wing is beginning to go under slope protection.
Piers/Bents				
(Type : PIER-SOLID)				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
Pier Shaft/Piles		8	8	
Nose Plate		X	X	
Paint/Coating		5	5	Pigmented sealer- cracked but bonded
(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	On curve
Traffic Safety Features		7	7	
Type	PARAPET			
Slope Protection		8	8	
(Type : CONCRETE; CONCRETE)				
Bank Stability		7	7	
Drainage		7	7	
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	2013	Abut seats					
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION	2013	Fill Erosion @ SE wing wall 10m3 pit run.					
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION	2013	Check /tighten S/B V.C sign bolts or replace anchor bolts.					
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	83.3/83.3	Sufficiency Rating (Last/Now) (%)	64.9/64.9	Est. Repl. Yr	2066	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	28-Oct-2014		Previous Inspection Date	10-May-2011			
Inspection Cycle (Default) (months)	21						
Comment							