

Bridge Inspection													
Bridge File Number	82007 N-1 Bridge					Form Type	CON						
Year Built/Year Supstr	2000/2000					Lot No.	2						
Bridge or Town Name	CALGARY					Inspector Name	Garry Roberts						
Located Over	2:15 R1 16.991;2:15 L1 17.084;25199:02 L1 0.130;25199:02 R1 0.262					Inspector Class	BR CLS A						
Located On	RAMP 4318-1 B					Assistant Name							
Water Body Cl./Year						Assistant Class							
Navigabil. Cl./Year						Inspection Date	28-Jan-2013						
Legal Land Location	SW SEC 10 TWP 23 RGE 29 W4M					Data Entry By	Erin Roberts						
Longitude, Latitude	-113:58:51, 50:56:35					Data Entry Date	19-Feb-2013						
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Tom Carey						
Contract Main. Area	DEERFOOT/STONEV					Review Date	06-Feb-2013						
Clear Roadway/Skew	11.3 /					Dept. Reviewer Name	Tim Davies						
AADT/Year	9,600 / 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 5.5m, 2 R1 5.5m, 25199 L1 5.4m, 25199 R1 5.4m												
Posted Vertical Clearance (Y/N)	Yes												
Posted:	Lane	NB	On Bridge (m)	5.6	In Advance (Y/N)	No	Lane	SB	On Bridge (m)		In Advance (Y/N)	No	
Remarks	S/B posting on 82007 South												
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)	In Advance (Y/N)			At Bridge (Y/N)						
Remarks	Not required.												
Hazard Marker At Bridge (Y/N)	Yes												
Remarks	Hazard marker NW corner only												
Other Sign Types													
Utilities (Located at)													
Utility Attachments													
Telephone						Gas							
Power	East ROW					Municipal							
Others	Light Standards.					Problem (Y/N)	No						
Remarks													
Approach Road													
				Last	Now	Explanation of Condition							
Horizontal Alignment				5	5	Curves both ends B2174							
Vertical Alignment				5	5	Deck on Curve & super elevation							
Roadway Width (m)	11.300												
Approach Bump				6	6								
Guardrail (Y/N)	Yes					Concrete parapets							
Guardrail				6	4	NW Leaning 140mm against traffic.							
Length (m)	47.000												
Current Standard (Y/N)	Yes												
Termination Type	TURNDOWN												
Drainage				7	7								
Approach Road General Rating				5	5								

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : CX, 4 Spans, Lengths(m): 37-39-36-28, A-Ident Number:)					
Special Features					
Special Feature					
(Type :)					
Special Feature					
(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			7	7	PMA
(Material Type : ACP)					
(Thickness(mm) : 50)					
Deck Top			N	N	Paved over
Deck Rideability			7	7	
Deck Joints			6	6	One gland joint at East abut. 3 gland joint at West abut. 40mm-40mm-45mm gap at West abut.
Temperature (deg. C)		-5			
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
Gap Size (mm)		Gap Location			
45		E abut			
45		W abut			
Deck Drainage			8	7	No drains
Drains Clogged (Y/N)		No			
Curbs/Median			7	5	Curb at North Parapet at South. Minor spall at SE. South parapet 50% snow covered.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			8	8	Parapet rail grout pads- spalled 10% Approx.- 20 A/B nuts not fully engaged at West side
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			3	4	SW bridge rail grout pads spalled Galvanized.
(Type : GALVANIZED POST STEEL;POST STEEL)					
Bridge Rail/Posts Coating			5	5	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girders			7	7	
Diaphragms/Cross Frame			X	X	
Bearings			7	7	
Temperature (deg. C)		-5			
(Expansion Type : POT BEARING)					
(Fixed Type :)					
Coating Adequate (Y/N)		Yes			
Functioning (Y/N)		Yes			
Deck Underside			7	7	Isolated corrosion stain at West side at span 2
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, 4 Spans, Lengths(m): 37-39-36-28, A-Ident Number:)				
Superstructure General Rating		7	7	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats		7	7	
Backwalls/Breastwalls		7	7	
Wingwalls		6	6	Map cracking at SE
Piles		N	N	Buried
Paint/Coating		4	4	Cracked and peeling at NW end both abuts and at SE and NW wings.
Abutment Stability		8	8	
Scour/Erosion		7	7	
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	
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		7	7	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		6	6	On curve
Traffic Safety Features		7	7	
Type	PARAPET			
Slope Protection		7	7	Cracked at North bottom section
(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	2013	Repair East grout pads (12) and 2 West pads.					
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING	2013	Abutment seats.					
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) (%)	77.8/77.8	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							