

Bridge Inspection										
Bridge File Number	81801 -1 Bridge					Form Type	CON			
Year Built/Year Supstr	2001/2001					Lot No.	3			
Bridge or Town Name	CALGARY					Inspector Name	Garry Roberts			
Located Over	2:15 L1 4.448;2:15 R1 4.339					Inspector Class	BR CLS A			
Located On	25151:02 R1 0.586;25151:02 L1 0.585					Assistant Name				
Water Body Cl./Year						Assistant Class				
Navigabil. Cl./Year						Inspection Date	19-Dec-2012			
Legal Land Location	NE SEC 32 TWP 21 RGE 29 W4M					Data Entry By	Lauren Korte			
Longitude, Latitude	-113:58:42, 50:50:02					Data Entry Date	11-Jan-2013			
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Tom Carey			
Contract Main. Area	DEERFOOT/STONE Y					Review Date	02-Jan-2013			
Clear Roadway/Skew	21.5 / -22 deg. (LHF)					Dept. Reviewer Name	Tim Davies			
AADT/Year	5,000 / 2002 (E)					Dept. Review Date	22-Jan-2013			
Road Classification	RLU-208-100					Follow-Up By				
Detour Length (km)	8									
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 5.3m, 2 R1 5.3m									
Posted Vertical Clearance (Y/N)				Yes									
Posted:	Lane	NB	On Bridge (m)	5.4	In Advance (Y/N)	No	Lane	SB	On Bridge (m)	5.4	In Advance (Y/N)	No	
Remarks													
Required Load Posting (t)				Single				Semi				Truck Train	
Posted Loading (t)				Single				Semi				Truck Train	
Posted:	Lane	EB	At Junction (Y/N)		In Advance (Y/N)		At Bridge (Y/N)						
Posted:	Lane	WB	At Junction (Y/N)		In Advance (Y/N)		At Bridge (Y/N)						
Remarks				Not Required.									

Hazard Marker At Bridge (Y/N)	No												
Remarks													
Other Sign Types													

Utilities (Located at)													
Utility Attachments	POWER UTILITIES-POWER LINE												
Telephone	In area.					Gas							
Power						Municipal							
Others	Light Standards. Fiber optics East ROW.					Problem (Y/N)			No				
Remarks													

Approach Road					
		Last	Now	Explanation of Condition	
Horizontal Alignment		6	6	Dunbow Road.	
Vertical Alignment		6	6		
Roadway Width (m)		18.000			
Approach Bump		6	5		
Guardrail (Y/N)		Yes		Incorrect lap at NE and SW. 1 loose bolt at NE.	
Guardrail		4	4		
Length (m)		14.000			
Current Standard (Y/N)		Yes			
Termination Type		FLARE ENDS			
Drainage		4	5		
Approach Road General Rating		6	6		

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : CX, 2 Spans, Lengths(m): 36-36, A-Ident Number:)					
Special Features					
Special Feature			7	Galvanized pedestrian rail at top of MSE walls.	
(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	Some uneven areas @ WBL.
(Material Type : CONCRETE)					
(Thickness(mm) : 70)					
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			X	X	Integral @ abuts & continuous @ piers.
Temperature (deg. C)		-4			
(Expansion Type :)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			7	7	1.4m to 5m wide median. Narrow cracks in curb face between control joints.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			8	8	Pedestrian rail @ South. Isolated corrosion at SW transition.
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			7	7	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			6	6	
(Type : GALVANIZED)					
Sidewalk			8	7	Isolated narrow cracks.
Girders			7	7	High load scrapes at South girder of SBL.
Diaphragms/Cross Frame			8	8	
Bearings			8	8	Integral @ abuts. At pier.
Temperature (deg. C)		-4			
(Expansion Type :)					
(Fixed Type : POT BEARING)					
Coating Adequate (Y/N)		Yes			
Functioning (Y/N)		Yes			
Deck Underside			7	7	Isolated cracking with staining at East under center median.
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, 2 Spans, Lengths(m): 36-36, A-Ident Number:)				
Superstructure General Rating		7	7	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats		N	N	
Backwalls/Breastwalls		8	8	
Wingwalls		6	6	Random cracking.
Piles		N	N	Buried.
Paint/Coating		7	7	
Abutment Stability		8	8	
Scour/Erosion		7	7	
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		X	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		7	7	
Traffic Safety Features		X	X	
Type				
Slope Protection		8	8	MSE Retaining walls.
(Type : CONCRETE; CONCRETE)				
Bank Stability		7	7	
Drainage		7	7	
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							
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	2013	Install vertical clearance signs in advance.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	83.3/83.3	Sufficiency Rating (Last/Now) (%)	66.3/66.3	Est. Repl. Yr	2072	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	Jason Rusu			
Next Inspection Date	19-Sep-2014		Previous Inspection Date	12-Feb-2011			
Inspection Cycle (Default) (months)	21						
Comment							