

Bridge Inspection										
Bridge File Number	78904 -1 Bridge					Form Type	CON			
Year Built/Year Supstr	1980/1980					Lot No.	3			
Bridge or Town Name	CALGARY					Inspector Name	Garry Roberts			
Located Over	2:15 R1 29.728					Inspector Class	BR CLS A			
Located On	34 AVENUE SOUTH IN CALGARY					Assistant Name				
Water Body Cl./Year						Assistant Class				
Navigabil. Cl./Year						Inspection Date	21-Jan-2013			
Legal Land Location	SW SEC 9 TWP 24 RGE 29 W4M					Data Entry By	Lauren Korte			
Longitude, Latitude	-114:00:05, 51:01:25					Data Entry Date	11-Feb-2013			
Road Authority	Alberta Transportation (AIT);CALGARY					Reviewer Name	Tom Carey			
Contract Main. Area	DEERFOOT/STONEV					Review Date	29-Jan-2013			
Clear Roadway/Skew	7.5 /					Dept. Reviewer Name	Tim Davies			
AADT/Year						Dept. Review Date	21-Feb-2013			
Road Classification						Follow-Up By				
Detour Length (km)										
Allowable Load (t):	Single	CS1 28			Semi	CS2 49		Train	CS3 62	----> On Critical Spans ---->Critical Member
Design Loading:	HS25									----> Primary Span

Posting Information												
Required Vert. Clearance Posting (m)					UNDER: 2 R1 6.1m							
Posted Vertical Clearance (Y/N)					Yes							
Posted:	Lane	NB	On Bridge (m)	6.8	In Advance (Y/N)	No	Lane	SB	On Bridge (m)	6.1	In Advance (Y/N)	No
Remarks												
Required Load Posting (t)					Single		Semi		Truck Train			
Posted Loading (t)					Single		Semi		Truck Train			
Posted:	Lane	WB	At Junction (Y/N)		In Advance (Y/N)		At Bridge (Y/N)					
Posted:	Lane	EB	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												
Telephone	In area.						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. Adequate for 50km. On grade to West. 2136
Vertical Alignment		5	5	
Roadway Width (m)	7.000			Minor damage and missing 2 blocks at SW still functional. Not thriebeam.
Approach Bump		4	6	
Guardrail (Y/N)	Yes			
Guardrail		5	5	
Length (m)	20.000			
Current Standard (Y/N)	No			
Termination Type	Turndown			
Drainage		7	7	
Approach Road General Rating		5	5	

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : CXP, 2 Spans, Lengths(m): 43.6-37.2, A-Ident Number:)						
Special Features						
Special Feature			7	2 signs mounted over SBL on North parapet.		
(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			7	7		
(Material Type : CONCRETE)						
(Thickness(mm) : 50)						
Deck Top			N	N		
Deck Rideability			7	7		
Deck Joints			7	7	Abut side of East joint is 15mm high.	
Temperature (deg. C)		-7				
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
65	West abut					
60	East abut					
Deck Drainage			7	7	No deck drains. Drains on grade.	
Drains Clogged (Y/N)		No				
Curbs/Median			4	4	Parapets have minor spalls.	
(Curb Type : Standard)						
Scaling (Percent Area)		1				
Bridge Rail			7	7		
(Type : BRIDGE TUBE)						
Bridge Rail Posts			7	7		
(Type : POST STEEL;POST STEEL)						
Bridge Rail/Posts Coating			5	5		
(Type : PAINT)						
Sidewalk			5	5	South side. Minor isolated spalls.	
Girders			X	7	Voided slab.	
Diaphragms/Cross Frame			X	X		
Bearings			7	7	Pier is integral.	
Temperature (deg. C)		-7				
(Expansion Type :)						
(Fixed Type :)						
Coating Adequate (Y/N)		Yes				
Functioning (Y/N)		Yes				
Deck Underside			7	7		
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 : CXP, 2 Spans, Lengths(m): 43.6-37.2, A-Ident Number:)				
Superstructure General Rating		7	7	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats		7	7	
Backwalls/Breastwalls		5	5	Spall crack at East breastwall not affecting bearings.
Wingwalls		7	7	
Piles		N	N	Buried.
Paint/Coating		6	6	
Abutment Stability		8	8	
Scour/Erosion		X	X	
Piers/Bents				
(Type : PIER-SOLID)				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Pier Shaft/Piles		4	4	(1m ² delam spall at North side of pier). Could not confirm.
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		4	4	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		7	7	
Traffic Safety Features		7	7	Guardrail at East- Parapet at median.
Type	Guardrail			
Slope Protection		7	7	
(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	2013	Patch pier spall (city).					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	61.1/61.1	Sufficiency Rating (Last/Now) (%)	68.5/67.5	Est. Repl. Yr	2057	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	City of Calgary is RRA. This inspection is for information only as requested by AT.			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	21-Oct-2014		Previous Inspection Date	19-Apr-2011			
Inspection Cycle (Default) (months)	21						
Comment							