

Bridge Inspection										
Bridge File Number	82008 -1 Bridge					Form Type	PSR			
Year Built/Year Supstr	2004/2004					Lot No.	2			
Bridge or Town Name	CALGARY					Inspector Name	Garry Roberts			
Located Over	2:15 R1 15.608;2:15 L1 15.707					Inspector Class	BR CLS A			
Located On	130 AVENUE SOUTH IN CALGARY:02 R1 0.206;130 AVENUE SOUTH IN CALGARY:02 L1 0.206					Assistant Name				
Water Body Cl./Year						Assistant Class				
Navigabil. Cl./Year						Inspection Date	02-Feb-2013			
Legal Land Location	NW SEC 3 TWP 23 RGE 29 W4M					Data Entry By	Erin Roberts			
Longitude, Latitude	-113:58:34, 50:55:55					Data Entry Date	28-Feb-2013			
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Tom Carey			
Contract Main. Area	DEERFOOT/STONE Y					Review Date	07-Feb-2013			
Clear Roadway/Skew	19.3 / 1 deg. (RHF)					Dept. Reviewer Name	Tim Davies			
AADT/Year	23,500 / 2006 (E)					Dept. Review Date	04-Mar-2013			
Road Classification						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)												
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	WB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No				
Posted:	Lane	EB	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					Not required							
Other Sign Types					Pedestrian, Max 60. Bump sign EB.							

Utilities (Located at)										
Utility Attachments										
Telephone						Gas				
Power	4 line OH xing East abut					Municipal	storm / sewer			
Others	Light standard all 4 corners					Problem (Y/N)	No			
Remarks										
Lighting at Piers & Abuts										

Approach Road										
					Last	Now	Explanation of Condition			
Horizontal Alignment					7	7	Intersection at both ends controlled by signal lights.			
Vertical Alignment					6	6				
Roadway Width (m)					19.000		Sealant in NW and NE sawcuts of EBL is debonded and causing staining at exterior wing and parapet. 2 potholes at West approach and 2 staining at East both in EBL.			
Approach Bump					7	3				
Guardrail (Y/N)					Yes		Parapets at NW, NE and SW. HSS rail st SE not connected to bridge parapet.			
Guardrail					7	7				
Length (m)					30.000					
Current Standard (Y/N)					No					
Termination Type					sloped					
Drainage					6	6	Minor 60mm settlement along wingwall trough drains			

Approach Road				
		Last	Now	Explanation of Condition
Approach Road General Rating		6	6	
Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : PB, 2 Spans, Lengths(m): 38-38, 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		7	7	PMA
(Material Type : ACP)				
(Thickness(mm) : 50)				
Lateral Connection Problem (Y/N)	No			
Deck Top		N	N	Paved over.
Deck Rideability		8	8	
Deck Joints		X	X	Integral. Sawcuts in PMA
Temperature (deg. C)		-7		
(Expansion Type :)				
(Fixed Type : OTHER)				
Gap Size (mm)		Gap Location		
Deck Drainage		7	7	
Drains Clogged (Y/N)		No		
Curbs/Median		7	4	Random vertical cracking at concrete jersey barrier. Caulking debonded at NE. Spall at NW lower exterior parapet. Center median and 30% of South parapet snow/ gravel covered.
(Curb Type : SINGLE SLOPE CONCRETE BARRIER)				
Scaling (Percent Area)		0		
Bridge Rail		8	8	Continuous round tube on top of North jersey barrier. Pedestrian rail at South Steel panels railing alternating with concrete panels South side.
(Type : GALVANIZED STEEL PARAPET RAIL)				
Bridge Rail Posts		3	3	North rail grout pads are spalled at 11 locations 8 are over S/B Deerfoot Trail. Also 2 spalls at SE at ped. rail grout pads.
(Type : GALVANIZED POST STEEL)				
Bridge Rail/Posts Coating		6	6	
(Type : GALVANIZED)				
Sidewalk		7	7	
Girder Detail Ratings				
	N (count)	1 (count)	2 (count)	3 (count)
Last	0	0	0	0
Now	0	0	0	0

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : PB, 2 Spans, Lengths(m): 38-38, A-Ident Number:)				
Girders		8	8	6 continuous lines.
Cracking (Y/N)	No			
Spalling (Percent Area)	0			
(Number Of Girders : 12)				
Diaphragms/Cross Frame		8	8	
Bearings		N	N	Cast into abut / pier
Temperature (deg. C)				
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
Coating Adequate (Y/N)				
Functioning (Y/N)				
Deck Underside		7	7	Cracks in deck u/s with efflorescence staining @ NE.
Stains (Percent Area)	5			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		7	7	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		N	N	Integral
(Type : CONCRETE)				
Backwalls/Breastwalls		8	8	
Wingwalls		4	4	Isolated spall at 0.5m ² at top of NW wingwall.
Piles		N	N	Buried.
Paint/Coating		6	6	
Abutment Stability		8	8	
Scour/Erosion		8	X	
Piers/Bents				
(Type : PIER-SOLID)				Cast into girders.
Bearing Seats/Caps		N	N	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0)				
Pier Shaft/Piles		8	8	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		6	6	Pigmented sealer.
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		X	X	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Debris (Y/N)	No			
Substructure General Rating		8	8	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		8	8	
Traffic Safety Features		4	7	Concrete barrier at median.
Type	Concrete Barrier			
Slope Protection		8	8	
(Type : CONCRETE; CONCRETE)				
Bank Stability		8	8	
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	2013	Repair 11 North rail grout pads over S/B Deerfoot and 2 at SE ped rail.					
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS	2013	Replace caulking at NE and NW parapets - 6 LM.					
PATCH DECK	2013	Repair potholes both approaches EBL 3m2.					
SEAL DECK	2013	Replace sealant in NW and NE ACP sawcut - 20 LM.					
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	Repair 0.5m ² spall at NW wing and lower parapet.					
OTHER ACTION	2013	Replace caulking along NE drain trough 10 LM.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	83.3/83.3	Sufficiency Rating (Last/Now) (%)	66.5/66.5	Est. Repl. Yr	2076	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	02-Nov-2014		Previous Inspection Date	10-May-2011			
Inspection Cycle (Default) (months)	21						
Comment							