

Bridge Inspection											
Bridge File Number	78908 -1 Bridge					Form Type	PSR				
Year Built/Year Supstr	1981/1981					Lot No.	2				
Bridge or Town Name	CALGARY					Inspector Name	Garry Roberts				
Located Over	8:07 R1 15.040;8:07 L1 15.043;RAMP 4095-2 H;RAMP 4095-2 B					Inspector Class	BR CLS A				
Located On	2:15 L1 25.220;2:15 C1-1OL 25.227;2:15 R1 25.120					Assistant Name					
Water Body Cl./Year						Assistant Class					
Navigabil. Cl./Year						Inspection Date	20-Jan-2013				
Legal Land Location	NE SEC 26 TWP 23 RGE 1 W5M					Data Entry By	Lauren Korte				
Longitude, Latitude	-114:02:06, 50:59:34					Data Entry Date	06-Feb-2013				
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Tom Carey				
Contract Main. Area	DEERFOOT/STONE Y					Review Date	29-Jan-2013				
Clear Roadway/Skew	33.5 /					Dept. Reviewer Name	Tim Davies				
AADT/Year	120,330 / 2011 (A)					Dept. Review Date	21-Feb-2013				
Road Classification	RFD-616.6-130					Follow-Up By					
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Detour Length (km)	6					Follow-Up By					
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: 8 L1 5.3m, 8 R1 6.2m										
Posted Vertical Clearance (Y/N)		No										
Posted:	Lane	EB	On Bridge (m)		In Advance (Y/N)	No	Lane	WB	On Bridge (m)		In Advance (Y/N)	No
Remarks												
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)		No										
Remarks												
Other Sign Types												

Utilities (Located at)				
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE; POWER UTILITIES-POWER LINE			
Telephone	In area.		Gas	In area.
Power	Crosses North.		Municipal	
Others	Light Standards.		Problem (Y/N)	No
Remarks				

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		5	5	Curve @ North. B2142
Vertical Alignment		5	5	Grade down @ North. Bridge on curve.
Roadway Width (m)	3.000			
Approach Bump		6	6	
Guardrail (Y/N)	Yes			Parapets-at NW West lane is offset 100mm against traffic with bridge barrier.
Guardrail		5	3	
Length (m)	28.000			
Current Standard (Y/N)	No			
Termination Type	TURNDOWN			
Drainage		7	5	

Approach Road				
		Last	Now	Explanation of Condition
<b>Approach Road General Rating</b>		5	5	
Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : <b>PB, 3 Spans, Lengths(m): 26.7-27.3-25, A-Ident Number: )</b>				
Special Features				
Special Feature		7	7	At West side of bridge over EBL Glenmore trail.
(SType : <b>LRGE SIGN PANEL</b> )				
Special Feature			X	
(Type : )				
Wearing Surface/Deck Top Detail Ratings				
	N (%)	1 (%)	2 (%)	3 (%)
<b>Last</b>	0	0	0	1
<b>Now</b>	10.0	0.0	0.0	0.0
Wearing Surface		3	4	1.5m <sup>2</sup> spall in previous patch at north end of SBL. Currently patched with ACP.
(Material Type : <b>CONCRETE</b> )				
(Thickness(mm) : <b>50</b> )				
Lateral Connection Problem (Y/N)	No			
Deck Top		N	N	
Deck Rideability		7	7	
Deck Joints		6	6	Minor spalling @ anchors.
Temperature (deg. C)		-7		
(Expansion Type : <b>GLAND (WABO-MAUER, TRANSFLEX, ETC)</b> )				
(Fixed Type : )				
Gap Size (mm)		Gap Location		
70		N abut		
70		S abut		
Deck Drainage		7	7	
Drains Clogged (Y/N)		No		
Curbs/Median		3	3	Corrosion, spalling, cracks @ low cover rebar through out at inside Parapets and exterior of parapets Some patching done @ center. 50% snow and dirt covered. Some areas spalled over tunnel lanes.
(Curb Type : <b>NEW JERSEY;JERSEY/F SHAPE</b> )				
Scaling (Percent Area)		40		
Bridge Rail		X	X	
(Type : )				
Bridge Rail Posts		X	X	
(Type : )				
Bridge Rail/Posts Coating		X	X	
(Type : )				
Sidewalk		X	X	
Girder Detail Ratings				
	N (count)	1 (count)	2 (count)	3 (count)
<b>Last</b>	0	0	0	0
<b>Now</b>	0	0	0	0

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : <b>PB, 3 Spans, Lengths(m): 26.7-27.3-25, A-Ident Number: )</b>				
Girders		4	4	High load damage and exposed rebar 0.3m <sup>2</sup> at Sp.3-G10 and high load scrapes at G8 and G9.
Cracking (Y/N)	No			
Spalling (Percent Area)	0			
(Number Of Girders : <b>10</b> )				
Diaphragms/Cross Frame		7	7	
Bearings		5	5	South pier masonry plates not cast in line with some brgs. Only pier bearing seen. Expanded metal barrier in front of abut bearing.
Temperature (deg. C)	-7			
(Expansion Type : <b>POT BEARING</b> )				
(Fixed Type : <b>POT BEARING</b> )				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		5	5	Majority of deck underside rate "7" other than at SE and NE, some expose rebar and corrosion stains. Also corrosion staining and spall cracks under center median joint at North end. Patch fallen off @ SW.
Stains (Percent Area)	1			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>4</b>	<b>4</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		7	7	
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls		7	7	
Wingwalls		7	5	Minor cracks and spalls.
Piles		N	N	Buried.
Paint/Coating		4	4	Pigmented sealer is peeling at isolated areas at wingwalls at SW, SE and NE.
Abutment Stability		7	7	
Scour/Erosion		X	X	
<b>Piers/Bents</b>				
(Type : <b>PIER-SOLID</b> )				
Bearing Seats/Caps		7	7	
(Type : <b>CONCRETE</b> )				
(Total Number of Bearing Piles : <b>0:0</b> )				
Pier Shaft/Piles		6	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		4	4	Scaling @ piers.
(Colour Description : )				Worst is West column at North pier Pigmented sealer.
(Colour Code : )				
Pier Stability		7	7	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		X	X	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>6</b>	<b>7</b>	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		7	7	On large radius curve.
Traffic Safety Features		7	7	Thriebeam at median.
Type	PARAPETS			
Slope Protection (Type : <b>CONCRETE; CONCRETE</b> )		5	5	Cracks at SW & SE.
Bank Stability		7	7	
Drainage		7	7	
<b>Grade Separation General Rating</b>		<b>7</b>	<b>7</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS	2013	Patch & seal parapets approx 60m2.					
PATCH DECK	2013	Repair deck spalls 1.5m².					
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS	2013	Seal longitudinal joint.					
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2013	Patch and seal piers and wings.					
OTHER ACTION	2013	Install V.C. signs both directions- see 2009 Level 2 for details.					
OTHER ACTION	2013	Repair high load damage Sp.3- G8-9-10.					
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>55.6/61.1</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>50.4/52.9</b>	Est. Repl. Yr	2043	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	20-Oct-2014		Previous Inspection Date	20-Apr-2011			
Inspection Cycle (Default) (months)	21						
Comment							