

Bridge Inspection													
Bridge File Number	79097 -1 Bridge					Form Type	PSR						
Year Built/Year Supstr	1998/1998					Lot No.	3						
Bridge or Town Name	CALGARY					Inspector Name	Garry Roberts						
Located Over	BEARSPAW-DAM ROAD NW;SCENIC BOW ROAD NW;CPR					Inspector Class	BR CLS A						
Located On	201:08 R1 2.737;201:08 L1 2.523					Assistant Name							
Water Body Cl./Year						Assistant Class							
Navigabil. Cl./Year						Inspection Date	16-Aug-2011						
Legal Land Location	SW SEC 4 TWP 25 RGE 2 W5M					Data Entry By	Erin Roberts						
Longitude, Latitude	-114:13:41, 51:06:07					Data Entry Date	07-Sep-2011						
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Tom Carey						
Contract Main. Area	DEERFOOT/STONE Y					Review Date	24-Aug-2011						
Clear Roadway/Skew	19.3 / 31 deg. (RHF)					Dept. Reviewer Name	Tim Davies						
AADT/Year	35,490 / 2010 (A)					Dept. Review Date	08-Sep-2011						
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:	CS750					----> Primary Span							
Posting Information													
Required Vert. Clearance Posting (m)													
Posted Vertical Clearance (Y/N)			No										
Posted:	Lane	SB	On Bridge (m)		In Advance (Y/N)	No	Lane	NB	On Bridge (m)		In Advance (Y/N)	No	
Remarks	Not posted												
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 req.												
Hazard Marker At Bridge (Y/N)		No											
Remarks													
Other Sign Types		City File 4320											
Utilities (Located at)													
Utility Attachments													
Telephone						Gas							
Power	In area					Municipal	Manhole at NE						
Others	Light standards					Problem (Y/N)	No						
Remarks	Irrigation control valves at NE and NW												
Approach Road													
			Last	Now	Explanation of Condition								
Horizontal Alignment			6	6	Grade and controlled intersection to South								
Vertical Alignment			6	6									
Roadway Width (m)		24.000			Estimate								
Approach Bump			7	4	Pothole at South and NBL 600 x 200								
Guardrail (Y/N)		Yes			6m at SW- continuous at NE and SE								
Guardrail			7	5	Concrete barriers. Minor spall at NW.								
Length (m)		75.000											
Current Standard (Y/N)		Yes											
Termination Type		Sloped end											
Drainage			7	7									
<b>Approach Road General Rating</b>			<b>6</b>	<b>6</b>									

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : DBC, 4 Spans, Lengths(m): 32.4-43.548-33.586-32.4, A-Ident Number: )						
<b>Special Features</b>						
Special Feature			X			
(Type : )						
Special Feature			X			
(Type : )						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
<b>Last</b>	0	0	0	0		
<b>Now</b>	0.0	0.0	0.0	0.0		
Wearing Surface			7	7		
(Material Type : <b>POLYMER MODIFIED ACP</b> )						
(Thickness(mm) : <b>50</b> )						
Lateral Connection Problem (Y/N)		No				
Deck Top			N	N	Paved over.	
Deck Rideability			8	7		
Deck Joints			7	7	Open strip seal- 2 glands/ joint	
Temperature (deg. C)		21				
(Expansion Type : <b>GLAND (WABO-MAUER, TRANSFLEX, ETC)</b> )						
(Fixed Type : )						
Gap Size (mm)		Gap Location				
30		Abut. 1- South				
45		Abut. 1- South				
15		Abut. 2- North				
30		Abut. 2- North				
Deck Drainage			7	7		
Drains Clogged (Y/N)		No				
Curbs/Median			6	6	Vertical cracks and minor scaling Concrete barriers	
(Curb Type : <b>Standard</b> )						
Scaling (Percent Area)		3				
Bridge Rail			7	7	Steel pipe mounted on barriers	
(Type : <b>STEEL BRIDGE TUBE</b> )						
Bridge Rail Posts			7	7		
(Type : <b>POST STEEL;POST STEEL</b> )						
Bridge Rail/Posts Coating			5	5		
(Type : <b>PAINT</b> )						
Sidewalk			7	7	Pedestrian rail and sidewalk East side	
<b>Girder Detail Ratings</b>						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	0	0	0	0		
<b>Now</b>	0	0	0	0		
Girders			7	7	19/span x 4	
Cracking (Y/N)		No				
Spalling (Percent Area)		0				
(Number Of Girders : <b>19</b> )						
Diaphragms/Cross Frame			7	7		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : DBC, 4 Spans, Lengths(m): 32.4-43.548-33.586-32.4, A-Ident Number: )				
Bearings		7	7	5 bearings per abut. and pier.
Temperature (deg. C)	21			
(Expansion Type : <b>POT BEARING</b> )				
(Fixed Type : )				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	Staining at grout keys and diaphragms may be from deck pour.
Stains (Percent Area)	5			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>7</b>	<b>7</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		8	8	
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls		8	8	
Wingwalls		7	6	Random cracks
Piles		N	N	Buried.
Paint/Coating		7	5	Pigmented sealer. Isolated minor peeling at wings.
Abutment Stability		8	8	
Scour/Erosion		8	8	
<b>Piers/Bents</b>				
(Type : <b>PIER-COLUMN</b> )				
Bearing Seats/Caps		8	8	
(Type : <b>CONCRETE</b> )				
(Total Number of Bearing Piles : <b>0:0:0</b> )				
Pier Shaft/Piles		8	8	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		7	6	Pigmented sealer
(Colour Description : )				
(Colour Code : )				
Pier Stability		8	8	
Scour		8	8	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>8</b>	<b>8</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Grade Separation</b>				
Road Alignment		7	7	Local roads under Span 1 and 3 CPR under Span 2.

Structure Usage				
		Last	Now	Explanation of Condition
Traffic Safety Features		7	7	Guardrail at South. Concrete barriers at North
Type	Guardrail			
Slope Protection		7	7	Light scaling at top of Abut.2 headslope
(Type : <b>CONCRETE; CONCRETE</b> )				
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							
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	2011	Patch pothole at South end NBL					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>83.3/83.3</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>65.2/59.0</b>	Est. Repl. Yr	2068	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	16-May-2013		Previous Inspection Date	18-Nov-2009			
Inspection Cycle (Default) (months)	21						
Comment							