

Bridge Inspection										
Bridge File Number	79564 -1 Bridge					Form Type	PSR			
Year Built/Year Supstr	1982/1982					Lot No.	2			
Bridge or Town Name	CANMORE					Inspector Name	Garry Roberts			
Located Over	1:02 R1 6.619;1:02 L1 6.563					Inspector Class	BR CLS A			
Located On	25133:02 L1 0.118;25133:02 R1 0.117					Assistant Name				
Water Body Cl./Year						Assistant Class				
Navigabil. Cl./Year						Inspection Date	06-Feb-2012			
Legal Land Location	NW SEC 33 TWP 24 RGE 10 W5M					Data Entry By	Erin Roberts			
Longitude, Latitude	-115:20:41, 51:05:23					Data Entry Date	14-Mar-2012			
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Tom Carey			
Contract Main. Area	CMA28					Review Date	22-Feb-2012			
Clear Roadway/Skew	22.1 /					Dept. Reviewer Name	Tim Davies			
AADT/Year	120 / 1988 (E)					Dept. Review Date	22-Mar-2012			
Road Classification	RLU-209G-90					Follow-Up By				
Detour Length (km)	3									
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: 1 L1 5.6m, 1 R1 5.4m									
Posted Vertical Clearance (Y/N)			Yes									
Posted:	Lane	EB	On Bridge (m)	5.4	In Advance (Y/N)	Yes	Lane	WB	On Bridge (m)	5.7	In Advance (Y/N)	Yes
Remarks												
Required Load Posting (t)			Single			Semi			Truck Train			
Posted Loading (t)			Single			Semi			Truck Train			
Posted:	Lane	NB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No				
Posted:	Lane	SB	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												
Other Sign Types			ROUTE									

Utilities (Located at)												
Utility Attachments												
Telephone	THROUGHOUT AREA					Gas						
Power	3 CONDUITS @ West U/S BRIDGE					Municipal						
Others						Problem (Y/N)	No					
Remarks			LIGHT STANDARDS									

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		5	5	Controlled intersections both ends
Vertical Alignment		5	5	
Roadway Width (m)	21.200			175 x 175 HSS ON 80 mm I BEAM POSTS None @ NE Not thriebeam
Approach Bump		7	7	
Guardrail (Y/N)	Yes			
Guardrail		7	6	
Length (m)	57.000			
Current Standard (Y/N)	No			
Termination Type	TURN-DOWN			
Drainage		7	7	
Approach Road General Rating		5	5	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : CBT, 2 Spans, Lengths(m): 41-42, A-Ident Number:)					
Special Features					
Special Feature					
(Type :)					
Special Feature					
(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		6	6	LONGITUDINAL CRACKING IN OVERLAY 3 @ S/B LANES, 5 @ N/B LANES @ 1.2 m SPACING Cracks have been sealed with GFE	
(Material Type : CONCRETE)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	Yes				
Deck Top		N	N		
Deck Rideability		8	7		
Deck Joints		5	5	Some minor broken bolt heads @ North - plates secure	
Temperature (deg. C)		-12			
(Expansion Type :)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
50		S. ABUT.			
95		N. ABUT.			
Deck Drainage		6	4	SE retrofit drain is displaced.	
Drains Clogged (Y/N)		No			
Curbs/Median		6	6	1 minor break @ SE	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail		7	7	@ East side only. Concrete parapets @ roadway	
(Type : BRIDGE TUBE)					
Bridge Rail Posts		7	7		
(Type : GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating		6	6		
(Type :)					
Sidewalk		5	5	10% scaling + minor spalling	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Girders		4	4	NARROW CRACKS EXTEND TO NARROW WEB SECTION OF GIRDERS @ NBL girders Same type cracks @ Hariline width @ S/B lane girders	
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
(Number Of Girders : 21)					
Diaphragms/Cross Frame		8	8		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : CBT, 2 Spans, Lengths(m): 41-42, A-Ident Number:)				
Bearings		6	6	A/B's BENT 40mm TO S WITH 60mm EXP REMAINING @ original GIRDERS. - N/B Lanes girders. Pots at original East side of pier.
Temperature (deg. C)	-12			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL;POT BEARING)				
(Fixed Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	4	Staining @ girders under Median and sidewalk Not corrosion staining significantly yet
Stains (Percent Area)	2			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		4	4	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
Backwalls/Breastwalls		8	8	
Wingwalls		8	8	
Piles		N	N	Buried
Paint/Coating		6	6	
Abutment Stability		8	8	
Scour/Erosion		X	X	
Piers/Bents				
(Type : PIER-SOLID)				Random settlement cracks in massive pier.
Bearing Seats/Caps		8	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0)				
Pier Shaft/Piles		8	8	
Bracing/Struts/Sheathing		8	X	
Nose Plate		X	X	
Paint/Coating		6	6	Pigmented sealer.
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		8	7	

Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		7	7	
Traffic Safety Features		5	5	Wrong lap at NW and SE but off of roadway
Type	GUARDRAIL			
Slope Protection		6	5	Some rock has broken out-worst @ SW Rundlestone in lay is extremely slippery when wet or ice
(Type : CONCRETE; CONCRETE)				
Bank Stability		7	7	
Drainage		7	7	
Grade Separation General Rating		5	5	

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	2012	Reattach SW retrofit drain extension.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/61.1	Sufficiency Rating (Last/Now) (%)	64.6/61.7	Est. Repl. Yr	2045	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Continue deck and crack sealing with GFE on regular sealing cycle.		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	06-Nov-2013		Previous Inspection Date	24-Sep-2010			
Inspection Cycle (Default) (months)	21						
Comment							