

Bridge Inspection											
Bridge File Number	82058 -1 Bridge					Form Type	SG				
Year Built/Year Supstr	1999/1999					Lot No.	3				
Bridge or Town Name	CANMORE					Inspector Name	Garry Roberts				
Located Over	1:02 R1 11.046;1:02 L1 10.983					Inspector Class	BR CLS A				
Located On	742:02 C1 9.638					Assistant Name					
Water Body Cl./Year						Assistant Class					
Navigabil. Cl./Year						Inspection Date	07-Feb-2012				
Legal Land Location	SE SEC 22 TWP 24 RGE 10 W5M					Data Entry By	Lauren Korte				
Longitude, Latitude	-115:18:50, 51:03:20					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	11.4 / 9 deg. (RHF)					Dept. Reviewer Name	Tim Davies				
AADT/Year	1,180 / 2010 (A)					Dept. Review Date	22-Mar-2012				
Road Classification	RLU-208-100					Follow-Up By					
Detour Length (km)	20										
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 6.0m, 1 R1 5.7m									
Posted Vertical Clearance (Y/N)			Yes									
Posted:	Lane	EB	On Bridge (m)	5.8	In Advance (Y/N)	Yes	Lane	WB	On Bridge (m)	5.9	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)	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	Not required							
Other Sign Types	CURVE 30KM/HR ROUTE							

Utilities (Located at)				
Utility Attachments	GAS UTILITIES-GAS LINE; OTHER UTILITIES-OTHER LINES; TELEPHONE UTILITIES-PHONE LINE; POWER UTILITIES-POWER LINE			
Telephone	North RW.		Gas	Oilline 20m West.
Power			Municipal	Manhole @ SW & NE.
Others			Problem (Y/N)	No
Remarks				

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		5	5	Curves both ends.
Vertical Alignment		6	6	
Roadway Width (m)	12.000			
Approach Bump		6	7	
Guardrail (Y/N)	Yes			Not thriebeam.
Guardrail		7	7	
Length (m)	26.000			
Current Standard (Y/N)	No			
Termination Type	TURNDOWN ENDS			
Drainage		4	N	(0.5m void developing at SW) Ice and Snow- could not confirm.
Approach Road General Rating		5	5	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : WG, 2 Spans, Lengths(m): 40-44, A-Ident Number: A1297-01)					
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	0.0	0.0	0.0	0.0	
Wearing Surface		6	6	Widespread transverse and longitudinal narrow cracks.	
(Material Type : CONCRETE)					
(Thickness(mm) : 50)					
Deck Top		N	N		
Deck Rideability		8	7		
Deck Joints		8	8		
Temperature (deg. C)		-8			
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
77	S abut				
95	N abut				
Deck Drainage		7	7	No drains.	
Drains Clogged (Y/N)		No			
Curbs/Median		7	7	Narrow cracks across curb tops & vertical face spaced randomly from 0.5-2m. Also cracked at each control joint (at 3m spacing)	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail		8	8		
(Type : BRIDGE TUBE)					
Bridge Rail Posts		8	8		
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating		6	6		
(Type :)					
Sidewalk		X	X		
Girder/Beam					
Cover Plate		X	X		
Flange		8	8		
Web		8	8		
Stiffeners		8	8		
Splice		8	8		
Weld		8	8		
Diaphragms/Cross Frame		8	8		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : WG, 2 Spans, Lengths(m): 40-44, A-Ident Number: A1297-01)				
Paint Condition		X	X	Weathering steel.
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings		8	8	
Temperature (deg. C)	-8			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type : ROCKER BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		5	5	Transverse cracks extend through to deck underside with staining - entire length of deck.
Stains (Percent Area)	20			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		5	5	
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		X	X	
Abutment Stability		8	8	
Scour/Erosion		X	X	
Piers/Bents				
(Type : PIER-SOLID)				2 concrete shafts.
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0)				
Pier Shaft/Piles		8	8	
Bracing/Struts/Sheathing		8	8	Decorative steel bracing between pier columns.
Nose Plate		X	X	
Paint/Coating		X	X	Weathering steel bracing.
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		X	X	
Debris (Y/N)	No			

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		8	8	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		6	6	Curve to West.
Traffic Safety Features		5	5	Minor Damage.
Type	Median Guardrail			
Slope Protection		7	7	Rock Inlay.
(Type : CONCRETE; CONCRETE)				
Bank Stability		8	8	
Drainage		8	8	
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							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION	2012	Fill SW void approx. 0.3m3 ACP- if not already done.					
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	72.2/72.2	Sufficiency Rating (Last/Now) (%)	55.9/54.9	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	07-Nov-2013		Previous Inspection Date	28-Sep-2010			
Inspection Cycle (Default) (months)	21						
Comment							