

Bridge Inspection										
Bridge File Number	76615 -1 Bridge					Form Type	PSR			
Year Built/Year Supstr	1969/1969					Lot No.	3			
Bridge or Town Name	CANMORE					Inspector Name	Garry Roberts			
Located Over	1:02 R1 15.676;1:02 L1 15.595;UTIL-POWER, Fortis Underground Powerline April 2005					Inspector Class	BR CLS A			
Located On	25130:02 L1 0.206;25130:02 R1 0.207					Assistant Name				
						Assistant Class				
Water Body Cl./Year						Inspection Date	08-Feb-2012			
Navigabil. Cl./Year						Data Entry By	Lauren Korte			
Legal Land Location	SW SEC 18 TWP 24 RGE 9 W5M					Data Entry Date	14-Mar-2012			
Longitude, Latitude	-115:15:21, 51:02:22					Reviewer Name	Tom Carey			
Road Authority	Alberta Transportation (AIT)					Review Date	22-Feb-2012			
Contract Main. Area	CMA28					Dept. Reviewer Name	Tim Davies			
Clear Roadway/Skew	9.1 / -8 deg. (LHF)					Dept. Review Date	22-Mar-2012			
AADT/Year	120 / 1988 (E)					Follow-Up By				
Road Classification	RLU-208G-90									
Detour Length (km)	16									
Allowable Load (t):	Single	CS1 56 GIRDER		Semi	CS2 65 GIRDER		Train	CS3 75 GIRDER		----> On Critical Spans ---->Critical Member
Design Loading:	HS20									----> Primary Span

Posting Information												
Required Vert. Clearance Posting (m)			UNDER: 1 L1 5.2m, 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)	5.2	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			35 KM / HR, ROUTE, CURVE									

Utilities (Located at)										
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE									
Telephone	North and South r/w at pier.					Gas				
Power	4 W 30m west of c.l					Municipal				
Others	Fibre optics located in median.					Problem (Y/N)		No		
Remarks										

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		5	5	Sharp corners and limits site. Distance - posted advisory 35 km/hr.
Vertical Alignment		5	5	
Roadway Width (m)		9.100		3 Broken posts at SE and 4 at NE. Missing 2 splice bolts at NE and 1 at SE. Rail is not attached to SW turndown bracket. Not Thriebeam.
Approach Bump		6	6	
Guardrail (Y/N)		Yes		
Guardrail		5	3	
Length (m)		61.000		Not Thriebeam.
Current Standard (Y/N)		No		
Termination Type		TURNED DOWN		
Drainage		6	7	
Approach Road General Rating		5	5	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : FC, 2 Spans, Lengths(m): 35.1-35.1, 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	0.0	0.0	0.0	0.0	
Wearing Surface			5	5	4 concrete patches to grade at Sp. 2 Chipcoat 10 % worn off.
(Material Type : ACP - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			7	7	
Temperature (deg. C)		-8			
(Expansion Type : ARMoured GLAND (WABO UNDER FINGER OR SLIDING PLATES))					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
60		South			
75		C. pier			
70		North			
Deck Drainage			6	6	
Drains Clogged (Y/N)		No			
Curbs/Median			5	5	Plow scrapes at base water stop exposed @ base. Light scaling several rust stains. Minor spall at SE fascia.
(Curb Type : JERSEY/F SHAPE)					
Scaling (Percent Area)		5			
Bridge Rail			6	6	5% Superficial corrosion.
(Type : BRIDGE TUBE)					
Bridge Rail Posts			6	6	
(Type : POST STEEL;POST STEEL)					
Bridge Rail/Posts Coating			4	4	
(Type : PAINT)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Girders			4	4	Medium & narrow typical chamfer and longit web cracks. Wide width vertical crack @ ends of West fascia girders @ pier & @ South abut and North Abut.
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
(Number Of Girders : 12)					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : FC, 2 Spans, Lengths(m): 35.1-35.1, A-Ident Number:)				
Diaphragms/Cross Frame		6	6	Diaphragms have vertical cracks and 4 have wide horizontal cracks.
Bearings		7	7	Superficial corrosion on 5% - mostly at exterior. Exp @ pier.
Temperature (deg. C)	-8			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		5	5	Corrosion stains at 5% of weep drains. Corrosion repaired at pier.
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		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		7	7	
Piles		N	N	Buried.
Paint/Coating		5	5	
Abutment Stability		7	7	
Scour/Erosion		X	X	
Piers/Bents				
(Type : PIER-COLUMN)				Narrow to medium vertical crack at West end of pier cap.
Bearing Seats/Caps		7	6	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0)				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		5	5	
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		7	6	

Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		7	7	
Traffic Safety Features		3	3	1 broken post at median.
Type	Guardrail			
Slope Protection		5	5	Slope protection settled 350 mm and pulled away 120 mm at North abut sealed .
(Type : CONCRETE; CONCRETE)				
Bank Stability		6	6	
Drainage		6	6	
Grade Separation General Rating		3	3	

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	Replace 1 post at Hwy 1 median Guardrail and 7 approach posts. Install 3 splice bolts and 1 turn down bracket bolt.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	61.1/55.6	Sufficiency Rating (Last/Now) (%)	62.8/61.0	Est. Repl. Yr	2027	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	08-Nov-2013		Previous Inspection Date	28-Sep-2010			
Inspection Cycle (Default) (months)	21						
Comment							