

Bridge Inspection									
Bridge File Number	77487 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1974/1974				Lot No.	1			
Bridge or Town Name	CANMORE				Inspector Name	Garry Roberts			
Located Over	ROCKY CREEK, 2.13.56.13, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	40:12 C1 15.551				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	01-Apr-2013			
Legal Land Location	NW SEC 3 TWP 22 RGE 9 W5M				Data Entry By	Lauren Korte			
Longitude, Latitude	-115:10:02, 50:50:49				Data Entry Date	11-Apr-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey			
Contract Main. Area	CMA28				Review Date	10-Apr-2013			
Clear Roadway/Skew	11.3 / 30 deg. (RHF)				Dept. Reviewer Name	Tim Davies			
AADT/Year	1,690 / 2012 (A)				Dept. Review Date	06-May-2013			
Road Classification	RAU-209-110				Follow-Up By				
Detour Length (km)	50								
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 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									

Utilities (Located at)									
Utility Attachments									
Telephone	Laying on West curb.				Gas				
Power	East ROW.				Municipal				
Others					Problem (Y/N)	Yes			
Remarks	3 Wire main transmission lines 100m East.								

Approach Road									
			<b>Last</b>	<b>Now</b>	<b>Explanation of Condition</b>				
Horizontal Alignment			5	5	Limited sight distance & curve to North.				
Vertical Alignment			6	6					
Roadway Width (m)	11.300								
Approach Bump			6	6					
Guardrail (Y/N)	Yes				Missing 4 splice bolts at SW and NW and missing bolt at SE T.D. bracket.				
Guardrail			3	3					
Length (m)	26.000				Not thriebeam.				
Current Standard (Y/N)	No				1 broken post at SE and NE and 2 broken posts and 1 damaged rail section at NW.				
Termination Type	TURNED DOWN								
Drainage			6	6					
<b>Approach Road General Rating</b>			<b>5</b>	<b>5</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : VSO, 3 Spans, Lengths(m): 6.1-9.1-6.1, 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>	5.0	0.0	0.0	0.0	
Wearing Surface			6	6	Narrow cracks over piers and map cracks- epoxy sealed.
(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	Buffer angles at abuts. Continuous over piers.
Bump (Y/N)		No			
Deck Drainage			5	5	No drains.
Drains Clogged (Y/N)		No			
Curbs/Median			5	4	Minor spalls. 0.5m2 spall at Sp.2 East curb over P2.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		1			
Bridge Rail			7	7	
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts			7	7	
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			6	5	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
<b>Girder Detail Ratings</b>					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	2	
<b>Now</b>	0	0	0	2	
Girders			3	3	4 girders have narrow longit cracks @ underside. Corrosion stain repaired at Sp.2-G2. 500mm long breakage at drilled holes at East curb-Sp.2. Delams in previous patch at Sp.1-G2. 25mm deep x 0.4m <sup>2</sup> delam. at Sp.1-G3. 150x150 spall at Sp.2-G1 over pier. Isolated minor rust spots from low cover.
Last Complete Inspection Date		01-Apr-2013			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : <b>30</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>3</b>	<b>3</b>	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : <b>N</b> )						
(Extended Backwall Piles Spacing(mm) : )						
(Total Number of Caps/Corbels : <b>1:1</b> )						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	0	0	0	0		
<b>Now</b>	0	0	0	0		
Bearing Seats/Caps/Corbels				6	6	
(Type : <b>CONCRETE</b> )						
(Depth(mm) : <b>500</b> )						
(Width(mm) : <b>350</b> )						
Backwalls/Breastwalls			N	N		
T.T. backwall visible only at ends.						
Greatest Height (m)		0.80				
Wingwalls			7	7		
(Total Number of Bearing Piles : <b>0:0</b> )						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	1	0	0	0		
<b>Now</b>	1	0	0	0		
Piles				N	N	
Paint/Coating				X	X	
Abutment Stability				7	7	
Scour/Erosion				7	7	
<b>Piers/Bents</b>						
(Type : <b>PIER-COLUMN</b> )						
(Total Number of Caps/Corbels : <b>1:1</b> )						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	0	0	0	0		
<b>Now</b>	0	0	0	0		
Bearing Seats/Caps/Corbels				5	5	
(Type : <b>CONCRETE</b> )						
(Depth(mm) : <b>630</b> )						
(Width(mm) : <b>510</b> )						
(Total Number of Bearing Piles : <b>6:6</b> )						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	0	0	0	0		
<b>Now</b>	0	0	0	0		
Pier Shaft/Piles				7	7	
Greatest Height (m)		2.00				
Bracing/Struts/Sheathing				X	X	
Nose Plate				X	X	
Paint/Coating				4	4	
Moderate corrosion.						
(Colour Description : <b>BROWN</b> )						
(Colour Code : <b>30252</b> )						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		7	7	
Scour		7	7	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>5</b>	<b>5</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>E</b> )				
(D/S Direction : <b>W</b> )				
Alignment		7	7	
Bank Stability		6	6	
HWM (m below Top of Curb)	1.0			(Ice within 900mm of bottom of gird)(2002)
Drift (Y/N)	Yes			No visible HWM. Minor scattered drift.
Slope Protection		7	7	
(Type : <b>RIP RAP; RIP RAP</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		5	5	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>5</b>	<b>5</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION							
OTHER ACTION	2013	Patch Sp.1 G2 and G3 underside approx. 0.6m <sup>2</sup> and Sp.2 G1 bearing fascia. Patch Sp.2-G10 curb fascia 0.5m <sup>2</sup> .					
OTHER ACTION	2013	Advise Telus to apply for utility attachment.					
OTHER ACTION	2013	Replace 4 T.T. posts and 1 flexbeam section at approaches. Install missing splice bolts.					
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>44.4/44.4</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>49.8/49.8</b>	Est. Repl. Yr	2023	Maint. Req'd. (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	01-Jan-2015		Previous Inspection Date	26-May-2011			
Inspection Cycle (Default) (months)	21						
Comment							