

Bridge Inspection									
Bridge File Number	80889 -1 Bridge				Form Type	PT			
Year Built/Year Supstr	1908/1938				Lot No.	1			
Bridge or Town Name	CANMORE				Inspector Name	Garry Roberts			
Located Over	SMUTS CREEK, 2.13.73.10, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	LOCAL ROAD				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	16-Dec-2011			
Legal Land Location	SE SEC 5 TWP 22 RGE 10 W5M				Data Entry By	Erin Roberts			
Longitude, Latitude	-115:20:36, 50:50:16				Data Entry Date	24-Jan-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey			
Contract Main. Area	CMA28				Review Date	21-Dec-2011			
Clear Roadway/Skew	6.1 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	20 / 2011 (E)				Dept. Review Date	06-Feb-2012			
Road Classification	RLU-207G-60				Follow-Up By				
Detour Length (km)	999								
Allowable Load (t):	Single	CS 130 STRINGER	Semi	CS2 48 U1L2	Train	CS3 62 LOL1	----> On Critical Spans ---->Critical Member		
Design Loading:	HS15						----> Primary Span		
Posting Information									
Required Load Posting (t)	Single				Semi		Truck Train		
Posted Loading (t)	Single				Semi		48.0		Truck Train
Posted:	Lane	EB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	WB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	Yes	
Remarks									
Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types	Narrow bridge, 45 km/hr, one lane, advisory, creek id. Max one truck in bridge.								
Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			4	4	Tight radius corner to West - posted 45 km/hr advisory. O.K. for speed posted.				
Vertical Alignment			6	6					
Roadway Width (m)	8.000								
Approach Bump			6	5					
Guardrail (Y/N)	No								
Guardrail			X	X					
Length (m)									
Current Standard (Y/N)									
Termination Type									
Drainage			5	6					
Approach Road General Rating			4	4					

Superstructure							
Bridge Component		Last	Now	Explanation of Condition			
(Primary Span : PT, 1 Spans, Lengths(m): 24.4, A-Ident Number: A0032-05;A0032-20)							
Special Features							
Special Feature			X				
(Type :)							
Special Feature			X				
(Type :)							
Wearing Surface/Deck Top Detail Ratings							
	N (%)	1 (%)	2 (%)	3 (%)			
Last	60						
Now	100.0	0.0	0.0	0.0			
Wearing Surface/Deck Top				N	N	Ice, snow, gravel covered	
(Material Type : UNTREATED TIMBER)							
(Plank Thickness(mm) : 75)							
(Plank Width(mm) : 300)							
Deck Rideability			8	7			
Deck Joints			X	X			
Temperature (deg. C)							
(Expansion Type :)							
(Fixed Type :)							
Gap Size (mm)		Gap Location					
Curbs/Wheel Guards			6	4	1 split block and 5 are turned.		
(Curb Type : Standard)							
(Type : TREATED TIMBER)							
(Thickness(mm) : 150)							
(Width(mm) : 350)							
Bridge Rail			5	6	Double layer.		
(Type : FLEX BEAM)							
Bridge Rail Posts/Blocking			5	6			
(Type : POST STEEL;POST STEEL)							
Bridge Rail/Posts Coating			8	7			
(Type : PAINT)							
Sidewalk			X	X			

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PT, 1 Spans, Lengths(m): 24.4, A-Ident Number: A0032-05;A0032-20)					
Wide Load Damage (Y/N)	Yes			Slight wave on top chord - 20mm Batter post U5-L6N, 20mm bend & U1L2S @ inside truss. L4-U5S minor bend - 20 mm - L3-U2S bend out - 20 mm.	
Top Chord		5	6		
Batter Posts		5	6		
Diagonals		5	3	Grader damage to 2 inside diagonals U1-L2 and U2-L3 of South truss with visible cracks at 2 rivets of both inside diagonals of U1 and 1 rivet at U2.	
Verticals		5	6		
Connections		5	3		
Floor Beams		8	8	19/ 6 Bays	
Bottom Chord		8	8		
Lateral Bracings		8	8		
(No. of Stringers : 114)					
Stringer Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Stringers		8	7		
(Type : STEEL)					
(Width(mm) : 100)					
(Depth(mm) : 205)					
(Spacing(mm) : 320)					
Paint Condition		8	7		
(Colour Description : BROWN)					
(Colour Code : 30252)					
Touchup Required (Y/N)	No				
Bearings		7	7		
Temperature (deg. C)	-5				
(Expansion Type : SLIDING PLATE)					
(Fixed Type : PINNED BEARING)					
Functioning (Y/N)	Yes				
Sub Deck/Deck Underside		8	7		
(Material Type : TREATED TIMBER)					
(Plank Thickness(mm) : 75)					
(Plank Width(mm) : 240)					
Defects (Percent Area)	0				
Span Alignment Problems					
Vertical (Y/N)	No				
Horizontal (Y/N)	No				
Superstructure General Rating		5	3		
Substructure					
Bridge Component		Last	Now	Explanation of Condition	
Abutments					
(Extended Backwall Piles (Y/N) : Y)				Corbels 305 x 305 mm @ middle of abutment.	
(Extended Backwall Piles Spacing(mm) : 1000)				Bearing cluster corbels 340 x 300 subcaps @ mid.	

Substructure							
Bridge Component					Last	Now	Explanation of Condition
(Total Number of Caps/Corbels : 18:17)							Backwall cap split off horizontaly @ top @ SE SE exterior corbel is split at end.
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now	0	0	0	0			
Bearing Seats/Caps/Corbels					7	6	
(Type : TREATED TIMBER)							
(Depth(mm) : 300)							
(Width(mm) : 340)							
Backwalls/Breastwalls					5	5	
Greatest Height (m)		2.20					
Wingwalls					5	6	
(Total Number of Bearing Piles : 18:18)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now	0	0	0	0			
Piles					8	7	
Paint/Coating					X	X	
Abutment Stability					8	8	
Scour/Erosion					8	8	
Piers/Bents							
(Type :)							
(Total Number of Caps/Corbels :)							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now							
Bearing Seats/Caps/Corbels					X	X	
(Type :)							
(Total Number of Bearing Piles :)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now							
Pier Shaft/Piles					X	X	
Greatest Height (m)							
Bracing/Struts/Sheathing					X	X	
Nose Plate					X	X	
Paint/Coating					X	X	
(Colour Description :)							
(Colour Code :)							
Pier Stability					X	X	
Scour					X	X	
Debris (Y/N)		No					
Substructure General Rating					7	6	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				Stream meanders @ South.
(D/S Direction : N)				
Alignment		5	5	
Bank Stability		6	7	
HWM (m below Top of Curb)				HWM not visible
Drift (Y/N)	No			
Slope Protection		5	6	Rock at SW corner & NW, natural @ East.
(Type : RIP RAP; NATURAL; RIP RAP; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		5	5	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
PATCH DECK							
REPLACE SUB DECK							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS	2012	Replace 2 inside diagonals at U1-L2 and 1 inside diagonal at U2-L3 all at South truss.					
WASHING							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2012	Replace 1 - 150x305x400 TT block - straighten others.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/50.0	Sufficiency Rating (Last/Now) (%)	51.0/44.1	Est. Repl. Yr	2037	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	Tom Carey		Previous Assistant's Name				
Next Inspection Date	16-Mar-2015		Previous Inspection Date	29-Oct-2008			
Inspection Cycle (Default) (months)	39						

Comment	
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