

Bridge Inspection										
Bridge File Number	78220 -1 Bridge				Form Type	PSR				
Year Built/Year Supstr	1973/1973				Lot No.	2				
Bridge or Town Name	CANMORE				Inspector Name	Garry Roberts				
Located Over	SPRAY LAKE CANAL, 2.13.67.1, 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	NE SEC 1 TWP 24 RGE 11 W5M				Data Entry By	Alyssa Boynton				
Longitude, Latitude	-115:24:03, 51:01:26				Data Entry Date	25-Jan-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey				
Contract Main. Area	CMA28				Review Date	21-Dec-2011				
Clear Roadway/Skew	5.5 /				Dept. Reviewer Name	Tim Davies				
AADT/Year	300 / 2011 (E)				Dept. Review Date	06-Feb-2012				
Road Classification	RLU-207G-60				Follow-Up By					
Detour Length (km)	150									
Allowable Load (t):	Single		Semi		Train		----> On Critical Spans ---->Critical Member			
Design Loading:	HS20						----> Primary Span			

Posting Information									
Required Load Posting (t)	Single				Semi		Truck Train		
Posted Loading (t)	Single				Semi		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)	No	
Remarks	Not required.								

Hazard Marker At Bridge (Y/N)	Yes								
Remarks	Fallen over at North East								
Other Sign Types									

Utilities (Located at)										
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE; POWER UTILITIES-POWER LINE									
Telephone	Under South curb.				Gas					
Power					Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			3	3	Curve at both approaches. Grade to the North. Very tight radius, almost 90 degree.				
Vertical Alignment			5	5					
Roadway Width (m)	7.000								
Approach Bump			5	5					
Guardrail (Y/N)	No								
Guardrail			X	X					
Length (m)									
Current Standard (Y/N)									
Termination Type									
Drainage			7	7					
Approach Road General Rating			3	3					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : PM, 2 Spans, Lengths(m): 18.3-18.3, A-Ident Number:)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)	Snow covered.	
Last						
Now	100.0	0.0	0.0	0.0		
Wearing Surface				7	N	PR.7
(Material Type : CONCRETE)						
(Thickness(mm) : 75)						
Lateral Connection Problem (Y/N)		No				
Deck Top				N	N	
Deck Rideability				8	7	
Deck Joints				5	N	(Chaulking @ pier joints.) Snow
Temperature (deg. C)		-3				
(Expansion Type :)						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
Deck Drainage				7	6	
Drains Clogged (Y/N)		No				
Curbs/Median				3	N	(Hole @ SE curb) Snow covered. P.R. 3
(Curb Type : Standard)						
Scaling (Percent Area)		5				
Bridge Rail				4	4	2 layer - end damaged @ NE.
(Type : GALVANIZED STEEL FLEX BEAM)						
Bridge Rail Posts				7	7	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating				7	6	
(Type : GALVANIZED)						
Sidewalk				X	X	
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Girders				4	4	Bottom of stirrups corroded. Spalled & cracked @ corroded areas. Low cover on bottom of stirrups of 3mm - typ @ corrosion. Corrosion stains and efflorescence. (area of concrete contaminated and porous). 6 girders @ East span. 6 girders @ West span with low cover. Corrosion does not appear active since concrete overlay installed.
Cracking (Y/N)		Yes				
Spalling (Percent Area)		2				
(Number Of Girders : 14)						

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : PM, 2 Spans, Lengths(m): 18.3-18.3, A-Ident Number:)				
Diaphragms/Cross Frame		X	X	
Bearings		7	7	
Temperature (deg. C)	-3			
(Expansion Type : NEOPRENE STRIP BEARING)				
(Fixed Type : NEOPRENE STRIP BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		4	4	Corrosion stains but no active leakage since concrete overlay installed.
Stains (Percent Area)	5			
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	7	
(Type : STEEL)				
Backwalls/Breastwalls		7	6	Extended backwalls.
Wingwalls		4	X	
Piles		8	6	7 timber piles / abutment.
Paint/Coating		X	X	No paint on caps
Abutment Stability		8	7	
Scour/Erosion		8	7	
Piers/Bents				
(Type : PIER-COLUMN)				
Double row of steel saps and piles.				
Bearing Seats/Caps		8	8	
(Type : STEEL)				
(Total Number of Bearing Piles : 12)				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		7	7	Steel sheathing
Nose Plate		7	7	
Paint/Coating		4	4	20% corrosion on pier. Caps not painted.
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	7	
Scour		N	7	
Debris (Y/N)	No			
Substructure General Rating		7	6	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				Canal.
(D/S Direction : N)				
Alignment		8	7	
Bank Stability		9	8	
HWM (m below Top of Curb)	2.5			No visible HWM.
Drift (Y/N)	No			
Slope Protection		9	7	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		8	7	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012	Replace North East wing end.					
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS	2012	Patch @ SE 0.01m3 NH. - If not already done.					
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	Reinstall North East H.M.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	61.1/55.6	Sufficiency Rating (Last/Now) (%)	47.5/44.9	Est. Repl. Yr	2025	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							