

Bridge Inspection									
Bridge File Number	74353 W-1 Bridge				Form Type	CON			
Year Built/Year Supstr	1958/1958				Lot No.	2			
Bridge or Town Name	CANMORE				Inspector Name	Garry Roberts			
Located Over	BOW RIVER, 2.13, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	1:02 L1 9.908				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	07-Feb-2012			
Legal Land Location	NW SEC 22 TWP 24 RGE 10 W5M				Data Entry By	Lauren Korte			
Longitude, Latitude	-115:19:22, 51:03:47				Data Entry Date	13-Mar-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey			
Contract Main. Area	CMA28				Review Date	21-Feb-2012			
Clear Roadway/Skew	15.2 / -30 deg. (LHF)				Dept. Reviewer Name	Tim Davies			
AADT/Year	16,520 / 2010 (A)				Dept. Review Date	22-Mar-2012			
Road Classification	RAD-412.4-120				Follow-Up By				
Detour Length (km)	1								
Allowable Load (t):	Single	CS1 42 GIRDER	Semi	CS2 57 GIRDER	Train	CS3 64 GIRDER	----> 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)	No								
Remarks									
Other Sign Types	Curve								
Utilities (Located at)									
Utility Attachments									
Telephone	Attached to N curb & @ NW				Gas	S RW			
Power	& @ E headslope				Municipal	Manhole @ median @ E			
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7					
Vertical Alignment			7	7					
Roadway Width (m)	15.200								
Approach Bump			7	7					
Guardrail (Y/N)	Yes				Not thriebeam				
Guardrail			6	6					
Length (m)	65.000								
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN ENDS								
Drainage			7	7					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : CT, 4 Spans, Lengths(m): 29.3-39.6-39.6-29.3, A-Ident Number:)					
Special Features					
Special Feature		7	7	Galv. plates at deck underside Sp1 and 4	
(SType : EXT SHEAR STIRRUP)					
Special Feature		7	7		
(Type : DK UNDER REINF)					
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		4	4	CHIP COAT ON EPOXY Approx. 30m2 failed.	
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Deck Top		N	N		
Deck Rideability		7	6		
Deck Joints		4	4	Missing 3 plow gaurds at A1. and 2 at A2.	
Temperature (deg. C)		-8			
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
75	West				
85	East				
Deck Drainage		7	7		
Drains Clogged (Y/N)		No			
Curbs/Median		3	3	CORROSION STAINING @ 5% Spalled at 9 areas of fascia and 3 inside curb at south and 1 area at North fascia	
(Curb Type : Standard)					
Scaling (Percent Area)		2			
Bridge Rail		5	5	Minor damage @ 6 vertical @ NW Isolated and minor post spalls.	
(Type : VERTICAL BAR)					
Bridge Rail Posts		4	4		
(Type : CONCRETE;CONCRETE)					
Bridge Rail/Posts Coating		5	5		
(Type :)					
Sidewalk		X	X		
Girders		5	5	NARROW SHEAR CRACKS @ WEST & EAST.	
Diaphragms/Cross Frame		7	7		
Bearings		8	7	bearings rehabed	
Temperature (deg. C)		-8			
(Expansion Type : ROLLER BEARING;ROCKER BEARING)					
(Fixed Type : PINNED BEARING)					
Coating Adequate (Y/N)		Yes			
Functioning (Y/N)		Yes			
Deck Underside		5	5	NARROW TRANSVERSE CRACKS WITH LEACHING @ DECK underside Light scaling @ exterior	
Stains (Percent Area)		1			

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : CT, 4 Spans, Lengths(m): 29.3-39.6-39.6-29.3, A-Ident Number:)				
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		7	7	
Backwalls/Breastwalls		6	6	
Wingwalls		6	6	
Piles		N	N	Buried
Paint/Coating		X	X	
Abutment Stability		7	7	
Scour/Erosion		7	7	
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Pier Shaft/Piles		7	7	
Nose Plate		7	7	
Paint/Coating		4	4	Corrosion @ nose plate
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		6	6	
Debris (Y/N)	No			
Substructure General Rating		7	7	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)	5.5			No visible HWM
Drift (Y/N)	Yes			Minor drift along banks
Slope Protection		7	7	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	

Structure Usage				
		Last	Now	Explanation of Condition
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	7	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012	Repair 3 post spalls approx 3m2.					
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS	2012	Patch curb spalls - approx 15m2.					
PATCH DECK	2012	30m2 chip coat repair..					
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS	2012	Replace 5 plow gaurds.					
RESET/ PAINT BEARINGS							
WASHING	2012	Clean backwall trough drains.					
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION	2012	Ditch in AGT line.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	66.7/66.7	Est. Repl. Yr	2029	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	25-Sep-2010			
Inspection Cycle (Default) (months)	21						
Comment							