

Bridge Inspection										
Bridge File Number	74353 E-2 Bridge				Form Type	CON				
Year Built/Year Supstr	1970/1970				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 R1 9.946				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	-115:19:23, 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 47 GIRDER	Semi	CS2 58 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 UTILITIES-PHONE LINE									
Telephone	THRU N CURB-LAYING ON E HSLOPE				Gas	S R/W				
Power					Municipal	Manhole @ median @ E				
Others					Problem (Y/N)	Yes				
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	West end only. Not thriebeam.				
Vertical Alignment			7	7					
Roadway Width (m)	15.200								
Approach Bump			7	7					
Guardrail (Y/N)			Yes						
Guardrail			7	7					
Length (m)			80.000						
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	Galvanized 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		5	5	Chipcoat & epoxy abraded @ W finger joint. CHIPCOAT ON EPOXY Some lifting @ N gutter	
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Deck Top		N	N		
Deck Rideability		7	7		
Deck Joints		7	7		
Temperature (deg. C)		-8			
(Expansion Type : FINGER PLATES)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
43	E. abut.				
40	W. abut.				
Deck Drainage		7	7		
Drains Clogged (Y/N)		No			
Curbs/Median		5	5	SOME CORROSION STAINING @ NE	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail		5	5	Minor bows. Isolated grout pad spalls. Approx 20 posts A/b with insufficient thread	
(Type : VERTICAL BAR)					
Bridge Rail Posts		4	4		
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating		5	5		
(Type :)					
Sidewalk		X	X		
Girders		5	5	Corrosion stains @ NW Vertical narrow flex cracks NARROW SHEAR CRACKS @ EAST & West spans	
Diaphragms/Cross Frame		7	7		
Bearings		7	7	Rocker Brgs also at piers 1 and 3 Some cracks @ grout pads	
Temperature (deg. C)		-8		10% SURFACE CORROSION ON MASONRY PLATES @ W ABUT. 20% corrosion @ ext brg @ SW-NW rehabed rollers	
(Expansion Type : ROLLER BEARING;ROCKER BEARING)					
(Fixed Type : PINNED BEARING)					
Coating Adequate (Y/N)		No			
Functioning (Y/N)		Yes			
Deck Underside		5	5	Underside has medium transverse cracks every est. 1.5 m with 1/3 having leaching stains. Corr @ crks @ deck underside @ span 2	
Stains (Percent Area)		2			

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-SOLID)				
Bearing Seats/Caps		6	6	
(Type : CONCRETE)				
Pier Shaft/Piles		6	6	Massive peir. Wide cracks @ east pier
Nose Plate		6	6	
Paint/Coating		4	4	Corrosion @ Nose plate
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		N	N	Water too deep to see
Debris (Y/N)	No			
Substructure General Rating		6	6	
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 visable HWM Tree at P2 and P3.
Drift (Y/N)	Yes			
Slope Protection		6	6	
(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		6	6	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS	2012	Blast and recoat abut. bearings.					
WASHING	2012	Clean backwall trough drains					
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION	2012	Ditch in AGt line					
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	61.1/61.1	Sufficiency Rating (Last/Now) (%)	63.5/63.4	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							