

Bridge Inspection							
Bridge File Number	74352 W-1 Bridge			Form Type	CON		
Year Built/Year Supstr	1956/1956			Lot No.	1		
Bridge or Town Name	CANMORE			Inspector Name	Garry Roberts		
Located Over	1A:02 C1 0.313;CPR			Inspector Class	BR CLS A		
Located On	1:02 L1 8.435			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	06-Feb-2012		
Legal Land Location	NE SEC 28 TWP 24 RGE 10 W5M			Data Entry By	Anne Roberts		
Longitude, Latitude	-115:19:54, 51:04:30			Data Entry Date	12-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 / -20 deg. (LHF)			Dept. Reviewer Name	Tim Davies		
AADT/Year	12,750 / 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 43 DECK	Semi	CS2 62 DECK	Train	CS3 111 DECK	----> On Critical Spans ---->Critical Member
Design Loading:	HS20				----> Primary Span		

Posting Information												
Required Vert. Clearance Posting (m)				UNDER: 1A C1 6.1m								
Posted Vertical Clearance (Y/N)				Yes								
Posted:	Lane	NB	On Bridge (m)	In Advance (Y/N)	Yes	Lane	SB	On Bridge (m)	6.1	In Advance (Y/N)	Yes	
Remarks		NB posting on 74352E. Confirmed accurate Sept. 24, 2010										
Required Load Posting (t)				Single		Semi		Truck Train				
Posted Loading (t)				Single		Semi		Truck Train				
Posted:	Lane	EB	At Junction (Y/N)		In Advance (Y/N)		At Bridge (Y/N)					
Posted:	Lane	WB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No				
Remarks		Not req'd										

Hazard Marker At Bridge (Y/N)	No
Remarks	
Other Sign Types	

Utilities (Located at)			
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE		
Telephone	S curb & @ NE&SE to N	Gas	Under bridge.
Power	Conduit @ N column pier 3	Municipal	
Others	Telegraph line under bridge.	Problem (Y/N)	No
Remarks	Fiber-optics North row		

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		8	8	Limited site distance East.
Vertical Alignment		6	6	
Roadway Width (m)	15.200			
Approach Bump		7	7	
Guardrail (Y/N)	Yes			
Guardrail		7	7	
Length (m)	30.500			
Current Standard (Y/N)	No			Not thriebeam
Termination Type	TURNED DOWN ENDS			
Drainage		7	7	
Approach Road General Rating		6	6	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : CS, 9 Spans, Lengths(m): 10.1-13.1-10.1-13.1-10.1-13.1-13.1-13.1-10.1, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
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	10% OF epoxy OVERLAY FAILED- @ inside lane. Chipcoat covered epoxy on concrete with isolated delams. Wide crack @ centerline @ east span
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Deck Top			N	N	
Deck Rideability			6	6	
Deck Joints			4	4	Pier joint at 90 mm. Plow guards @ outside lanes only. Missing 3 at A1 and A2 and 2 at pier joint.
Temperature (deg. C)		-12			
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
75	E. abut.				
70	W. abut.				
Deck Drainage			6	6	
Drains Clogged (Y/N)		No			
Curbs/Median			3	3	Spall at South fascia over Pier 3 and P8 and North fascia of Sp. 4 and 5. Isolated spalls at inside curb face.
(Curb Type : Standard)					
Scaling (Percent Area)		5			
Bridge Rail			7	7	SOME SURFACE CORROSION @ 5%
(Type : STEEL BRIDGE TUBE)					
Bridge Rail Posts			7	7	
(Type : POST STEEL;POST STEEL)					
Bridge Rail/Posts Coating			4	4	
(Type : PAINT)					
Sidewalk			X	X	
Girders			X	X	
Diaphragms/Cross Frame			X	X	
Bearings			5	5	CORRODED @ ABUTS -Grout pads cracked and spalled @ steel bearings @ Abuts Additional concrete pads also
Temperature (deg. C)		-12			
(Expansion Type : STEEL SLIDING PLATES WITH BRONZE PLATE IN BETWEEN;NEOPRENE STRIP BEARING)					
(Fixed Type :)					
Coating Adequate (Y/N)		No			
Functioning (Y/N)		Yes			
Deck Underside			3	3	Crack in underside of deck runs entire length of bridge @ East span - crack is delaminated approx. 3 m ² . Transverse cracks in Sp. 2 with staining.
Stains (Percent Area)		10			

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : CS, 9 Spans, Lengths(m): 10.1-13.1-10.1-13.1-10.1-13.1-13.1-13.1-10.1, A-Ident Number:)				
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		3	3	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats		6	6	
Backwalls/Breastwalls		6	6	
Wingwalls		5	5	
Piles		N	N	Buried.
Paint/Coating		X	X	
Abutment Stability		7	7	
Scour/Erosion		X	7	
Piers/Bents				
(Type : PIER-COLUMN)				Cracks at ends of P 4, 5, 7 and 8
Bearing Seats/Caps		5	5	
(Type : CONCRETE)				
Pier Shaft/Piles		6	3	P2 - pile 5 spall crack 3 m2 and P3 - pile 1 spall crack 1 m2.
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		6	3	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		6	6	
Traffic Safety Features		6	6	
Type	GUARDRAIL			
Slope Protection		7	7	Gabion baskets at West median.
(Type : NATURAL; NATURAL)				
Bank Stability		7	7	
Drainage		7	7	
Grade Separation General Rating		6	6	

Inspection Cycle (Default) (months)	21
Comment	