						=	Bridge I	nspe	ction									
Bridge File Number 74352 W-1 Bridge					Ĭ					CON								
Year Built/Year 1956/1956							Lot No.			1								
Supstr								Inspector Name			Garry Roberts							
Bridge or Town Name CANMOR								Inspector Class			BR CLS A							
				0.313;CPR				Assistant Name										
Located On 1:02 L1 8.435								Assistant Class										
Water Body Cl./Year								Inspection Date			06-Feb-2012	<u> </u>						
Navigabil. Cl./Year								Data Entry By			Anne Roberts							
3		NE SEC	10 W5M	W5M			Data Entry Date			12-Mar-2012								
Longitude, Latitude		-115:19:54, 51:04:30								Reviewer Name			Tom Carey					
			ransport	ation (AIT	)				Review Date			21-Feb-2012	2					
Contract Main. A		CMA28							ot. Rev	iewer	Name	Tim Davies						
Clear Roadway/	Skew		0 deg. (Ll	HF)				Dep	Dept. Review Date			22-Mar-2012	2					
AADT/Year			2010 (A)					Fol	low-Up	Ву								
Road Classificat		RAD-412	2.4-120					-										
Detour Length (k		1				T				Ι								
Allowable Load (	t):  Sin	ngle CS1			Semi		S2 62 FCK	Tı		Train		33 111 :CK	3 111 CK		> On Critical Spans >Critical Member			
Design Loading:		HS2				DECK			DE		- DE			> Primary				
z co.g.: zcaag.		1102				Po	osting I	nforr	nation					- 1 mmary	Оран			
Required Vert. C	learar	nce Postin	ıg (m)	UNDER	: 1A C1													
Posted Vertical (			<u> </u>	Yes														
	NB		ridge (m)		n Advan	се	(Y/N)	Yes	Lane	s SB	С	n Bridge (m)	6.1	In Advance	e (Y/N)	Yes		
Remarks	NB po		• • •				, ,	, 20°	10						, ,			
Remarks NB posting on 74352E. Confirmed a Required Load Posting (t) Single							Semi			Truck Train								
Posted Loading (t)				Single				Semi				Truck Train						
Posted:	Lane	EB			ion (Y/N	n (Y/N)		In Advance (Y/N)			At Bridge (Y/N)							
Posted:	Lane	WB		At Junct	`	_	No			/ance	` ,	No		At Bridge (Y/N)				
Remarks Not reg'd		ea'd		1 1 0 0 0 0 0 0 0	(171	,					( - , ,	1110		199 (1711)	No			
Hazard Marker A			No															
Remarks	•	<u> </u>																
Other Sign Type	S																	
9 7.						Ut	ilities (l	_oca	ted at)									
Utility Attachmer	nts T	ELEPHO	NE UTILI	TIES-PHO	ONE LIN	١E												
Telephone	S curl	0 & @ NE	&SE to N	l				Gas	S		Unde	r bridge.						
Power	Cond	uit @ N co	olumn pie	r 3					Municipal									
Others	Teleg	raph line	under brid	dge.				Problem (Y/N) No										
Remarks Fiber-optics North row																		
							Approa	ch R	oad									
					La	ast	Now	Exp	olanati	on of	Condi	tion						
Horizontal Alignr	nent					8	8	Lim	Limited site distance East.									
Vertical Alignment					6	6												
Roadway Width (m) 15.20		15.200																
Approach Bump			7	7														
Guardrail (Y/N) Yes																		
Guardrail			7		7													
Length (m)	Length (m) 30.500						Not	thrieb	eam									
	Current Standard (Y/N) No					INUI	. umeb	calli										
Termination Ty	ре		TURNE ENDS	D DOWN	1													
Drainage						7	7											
Approach Road	Gene	eral Ratin	g			6	6											

					Supers	tructure					
Bridge Comp	onent					Explanation of Condition					
		s, Lengths(ı	n): 10.1-13.1-			-13.1-13.1-13.1-10.1, A-Ident Number: )					
Special Feat			•								
Special Featu	ıre				X						
(Type:)				'							
Special Featu	ıre				Х						
(Type:)				'							
Wearing Surfa	ace/Deck Top I	Detail Rating	S								
	N (%)	1 (%)	2 (%)	3 (%)							
Last	0	0	0		0						
Now	0.0	0.0	0.0	C	0.0						
Wearing Surf	ace			4	4	10% OF epoxy OVERLAY FAILED-					
(Material Ty	pe : CONCRE	TE - CONVE	NTIONAL CH	IP SEA	L	@ inside lane. Chipcoat covered epoxy on concrete with isolated delams.					
(Thickness)	(mm) : <b>50</b> )					Wide crack @ centerline @ east span					
Deck Top	. , ,			N	N						
Deck Rideabi	lity			6	6						
Deck Joints				4	4	Pier joint at 90 mm.					
Temperatur	e (deg. C)	-12				Plow guards @ outside lanes only. Missing 3 at A1 and A2 and 2 at pier joint.					
(Expansion	Type : GLAND	(WABO-MA	UER, TRANS	FLEX,	ETC))	prof joint.					
(Fixed Type	e:)										
Gap Size (r	nm)	Gap I	_ocation								
75 E. abut.											
70 W. abut.											
Deck Drainag	je			6	6						
Drains Clog	ged (Y/N)	No									
Curbs/Mediar	า			3	3	Spall at South fascia over Pier 3 and P8 and North fascia of Sp. 4					
(Curb Type	: Standard)					and 5. Isolated spalls at inside curb face.					
Scaling (Pe	rcent Area)	5				looked opane at molde out lace.					
Bridge Rail				7	7						
(Type : STE	EL BRIDGE T	UBE)									
Bridge Rail P	osts			7	7	SOME SURFACE CORROSION @ 5%					
(Type : <b>PO</b> \$	ST STEEL;PO	ST STEEL)									
Bridge Rail/P	osts Coating			4	4						
(Type : PAI	NT)										
Sidewalk				Х	Х						
Girders				Х	Х						
Diaphragms/0	Cross Frame			Х	Х						
Bearings					5	CORRODED @ ABUTS					
Temperatur	e (deg. C)	-12				Grout pads cracked and spalled  steel bearings @ Abuts					
(Expansion PLATE IN I	Type : <b>STEEL</b> <b>BETWEEN;NE</b>	SLIDING PL	ATES WITH I	BRONZ 3)	Έ	Additional concrete pads also					
(Fixed Type	e:)										
Coating Adequate (Y/N) No											
Functioning	(Y/N)	Yes									
Deck Undersi				3	3	Crack in underside of deck runs					
Stains (Per		10				entire length of bridge @ East span - crack is delaminated approx. 3 m <sup>2</sup> .					
,	,					Transverse cracks in Sp. 2 with staining.					

				tructure						
Bridge Component			Now	Explanation of Condition						
(Primary Span : CS, 9 Spans, Le	ngths(m): 10.1-13.1-1	10.1-13	3.1-10.1	-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							
			Subst	ructure						
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		Х	Х							
Abutment Stability		7	7							
Scour/Erosion			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		Х	Х							
Paint/Coating		Х	Х							
(Colour Description : )										
(Colour Code : )										
Pier Stability		7	7							
. 101 Claid			·							
Scour		X	X							
Debris (Y/N)	No									
Substructure General Rating		6	3							
			_	re Usage						
		Last	Now	Explanation of Condition						
Grade Separation		1	1							
Road Alignment		6	6							
Traffic Safety Features		6	6							
Туре	GUARDRAIL		_							
Slope Protection		7	7	Gabion baskets at West median.						
(Type: NATURAL; NATURAL	)									
Bank Stability		7	7							
Drainage		7	7							
Grade Separation General Rati	ng	6	6							

74352 W-1 Bridge

Bridge Inspection & Maintenance System (Web 2005)

			Maintenance Ro	ecommend	lations						
Inspector Recommendations	Year	Inspector Comn	nents		Department Com	nmen	ts		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL											
GALVANIZE/PAINT BRIDGE RAIL											
RETROFIT BRIDGE RAIL											
SEAL CURBS	2012	Patch @ span 3 North- approx. 5	3 and 4 south and sp 5m <sup>2</sup>	. 4 and 5							
PATCH DECK	2012	Partial depth to approx. 3 m <sup>2</sup> . P	deck underside, Eas atch chip coat 10 m2	st span 2							
SEAL DECK	2012	GFE crack at su	urface East span.								
OVERLAY DECK											
REPAIR/REPLACE DECK JOINTS	2012	replace 8 missir	ng plow guards.								
RESET/ PAINT BEARINGS											
WASHING											
SHOTCRETE REPAIRS											
REPAIR ABUTMENT SCOUR/EROSI	ON										
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
OTHER ACTION	2012	Chip and patch	pier pile delams app	orox. 4 m2							
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/N	ow) 50.0/33	3 Suffic	iency Rating (Last/	(Now)	67.8/61.6	Est	t. Repl. Yr	2020	Maint. Re	ad (V/N)	Yes
(%)	50.0/30	(%)	lency Rating (Last	ivow)	07.0701.0	LSI	і. Кері. П	2020	Maint. IXe	qu. (1/14)	163
Special Comments for Next Inspection					Department Comments						
Maintenance Reviewed By					Date			F	Estimated Total	1 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	06-Nov-2013			Previous	Inspection Date	Inspection Date					

Alberta Transportation Bridge Inspection & Maintenance System (Web 2005)

74352 W-1 Bridge

Inspection Cycle (Default) (months)	21
Comment	