							Bridge	Insp	ection							
Bridge File Number 76615 -1 Bridge								Form Type			PSR					
Year Built/Year 1969/1969								Lot No.			3					
Supstr								- Ins	spector Name			Garry Roberts				
Bridge or Town Name CANMORE									Inspector Class			BR CLS A				
			15 676·1·02 1 15 505·HTH -					ı As	Assistant Name							
							Assistant Class									
Located On		25130:02	2 L1 0.20	3;25130):02 R1	0.20	7	Ins	Inspection Date			08-Feb-2012				
Water Body Cl./Y	'ear							Da	Data Entry By			Lauren Korte				
Navigabil. Cl./Yea	ar			1					Data Entry Date			14-Mar-2012				
Legal Land Locat	tion	SW SEC							Reviewer Name			Tom Carey				
Longitude, Latitud	de	-115:15:2	21, 51:02:	:22				Re	Review Date			22-Feb-2012				
Road Authority		Alberta T	ransporta	ation (A	IT)			_De	ept. Revi	ewer N	ame	Tim Davies				
Contract Main. Ar	rea	CMA28						De	ept. Revi	ew Dat	е	22-Mar-2012				
Clear Roadway/S	Skew	9.1 / -8 d	eg. (LHF))				Fc	llow-Up	Ву						
AADT/Year		120 / 198	38 (E)													
Road Classification	on	RLU-208	G-90													
Detour Length (kr	m)	16														
Allowable Load (t	:): Sin		56 DER		Semi					Train		3 75		> On Critical Spans		
Docian Loading:						G	IRDER				GII	RDER		>Critical Member		
Design Loading:		HS2	20			В	ostina	Info	mation					> Primary Span		
Required Vert. CI	learan	ce Postin	a (m)	LINDE	R· 1 I 1											
Posted Vertical C			9 (111)	Yes	IX. I LI	1 5.2m, 1 R1 5		J. T II	9. 4 111							
	EB		ridge (m)	5.4	In Adv	ance (Y/N)		Yes	res Lane WB			On Bridge (m) 5.2		In Advance (Y/N) Yes		
Remarks		On D	nage (III)	0.4	III / tav		(1/14)	100	Lanc	VVD		ni Briage (iii)	0.2	III / tavarioo	(1/14) 103	
Required Load Po	nstina	(t)		Single					Semi				Truc	k Train		
Posted Loading (1		(1)	Single						Semi			Truck Train				
	Lane	NB		At Junction (/NI)	No			ance (\	//NI)	No		Bridge (Y/N) No		
_	Lane	SB		At Junction ()					In Advance (. ,			Bridge (Y/N) No		
		equired		The Continuous (1711)					minavaries (int) inte				711	nago (1/14)	110	
Hazard Marker A			No													
Remarks	LBIIG	(1/14)	110													
Other Sign Types	 }		35 KM /	M / HR, ROUTE, CURVE												
Guillor Gigit Types			00 1 1111 7	,	· · _ ;			(Loc	ated at)							
Utility Attachment	ts TE	ELEPHOI	NE UTILI	ΓIES-PI	HONE I				,							
	-	and Sout	h r/w at p	ier.				Ga	 as							
		Om west	•				Municipal									
Others I	Fibre o	optics loc	ated in m	edian.			Problem (Y/N) No									
Remarks									,	,						
							Appro	ach	Road							
						Last	Now	Ex	Explanation of Condition							
Horizontal Alignm	nent					5	5		Sharp corners and limits site.							
Vertical Alignment				5	5 5		Distance - posted advisory 35 km/hr.									
Roadway Width (m)		9.100	9.100													
Approach Bump					6 6											
Guardrail (Y/N)		Yes					3 Broken posts at SE and 4 at NE.									
Guardrail					5 3		Missing 2 splice bolts at NE and 1 at SE. Rail is not attached to SW turndown bracket.									
Length (m)		61.000														
Current Standard (Y/N)		No					INC	Not Thriebeam.								
Termination Typ	ре		TURNE	D DOW	/N											
Drainage						6	7									
Approach Road General Rating			5	5												

Bridge Component							Supers	structure					
Special Feature	Bridge Com	ponent											
Special Feature	(Primary Spa	an : FC, 2 Spa r	ns, Length	hs(m	n): 35.1-35.1,	A-Iden	t Numl	per:)					
Type :	Special Fea	Special Features											
Special Feature	Special Feat	ure					X						
Type: Wearing Surface/Deck Top Detail Ratings	(Type:)												
Wearing Surface Detail Ratings	Special Feat	Special Feature											
N (%)	(Type:)												
Last	Wearing Sur	face/Deck Top	Detail Rat	tings									
Last		N (%)	1 (%)		2 (%)	3 (%)							
Wearing Surface 5 5 5	Last	0	0		0		0						
Charles Char	Now	0.0	0.0	0.0 0.0			0.0						
Charles Char	Wearing Sur	face				5	5	4 concrete patches to grade at Sp. 2					
Chickness(mm) : 50	(Material T	ype : ACP - CO	ONVENTIO	ONA	L CHIP SEAI	L COA	Γ)	Chipcoat 10 % worn off.					
Lateral Connection Problem No No No No No No No N													
Deck Rideability	Lateral Conr		n No										
Deck Joints	Deck Top					N	N						
Temperature (deg. C)	Deck Rideat	pility				7	7						
(Expansion Type : ARMOURED GLAND (WABO UNDER FINGER OR SLIDING PLATES))	Deck Joints					7	7						
Compage	Temperatu	ıre (deg. C)	-8										
Compage	(Expansion	n Type : ARMO	URED GL	LANI	D (WABO UN	DER F	INGER						
Gap Size (mm) Gap Location	OR SLIDIN	NG PLATES))						_					
60	(Fixed Typ	e:)						_					
To North	Gap Size (mm)	G	ap L	ocation								
Deck Drainage	60 South												
Deck Drainage Drains Clogged (Y/N) No Curbs/Median (Curb Type : JERSEY/F SHAPE) Scaling (Percent Area) Sridge Rail Good (Type : BRIDGE TUBE) Bridge Rail Bridge Rail Bridge Rail Bridge Rail Posts Good (Type : PAINT) Sidewalk X X Girder Detail Ratings N (count) Last O O O Girders Cracking (Y/N) Yes Spalling (Percent Area) 6 6 6 6 6 6 7 Plow scrapes at base water stop exposed @ base. Light scaling several rust stains. Minor spall at SE fascia. Sy Superficial corrosion. Sy Superficial corrosion. Medium & narrow typical chamfer and longit web cracks. Wide width vertical crack @ ends of West fascia girders @ pier & @ South abut and North Abut.	75		C.	. pier	ſ								
Drains Clogged (Y/N) No Curbs/Median 5 5 5 (Curb Type : JERSEY/F SHAPE) Scaling (Percent Area) 5 Bridge Rail 6 6 (Type : BRIDGE TUBE) Bridge Rail Posts 6 6 (Type : POST STEEL; POST STEEL) Bridge Rail/Posts Coating 4 4 (Type : PAINT) Sidewalk X X X Girder Detail Ratings N (count) 1 (count) 2 (count) 3 (count) Last 0 0 0 0 0 Now 0 0 0 0 0 Girders 4 4 Cracking (Y/N) Yes Spalling (Percent Area) 0	70		No	orth									
Drains Clogged (Y/N) No Curbs/Median 5 5 5 (Curb Type : JERSEY/F SHAPE) Scaling (Percent Area) 5 Bridge Rail 6 6 (Type : BRIDGE TUBE) Bridge Rail Posts 6 6 (Type : POST STEEL; POST STEEL) Bridge Rail/Posts Coating 4 4 (Type : PAINT) Sidewalk X X X Girder Detail Ratings N (count) 1 (count) 2 (count) 3 (count) Last 0 0 0 0 0 Now 0 0 0 0 0 Girders 4 4 Cracking (Y/N) Yes Spalling (Percent Area) 0													
Drains Clogged (Y/N) No Curbs/Median 5 5 5 (Curb Type : JERSEY/F SHAPE) Scaling (Percent Area) 5 Bridge Rail 6 6 (Type : BRIDGE TUBE) Bridge Rail Posts 6 6 (Type : POST STEEL; POST STEEL) Bridge Rail/Posts Coating 4 4 (Type : PAINT) Sidewalk X X X Girder Detail Ratings N (count) 1 (count) 2 (count) 3 (count) Last 0 0 0 0 0 Now 0 0 0 0 0 Girders 4 4 Cracking (Y/N) Yes Spalling (Percent Area) 0													
Drains Clogged (Y/N) No Curbs/Median 5 5 5 (Curb Type : JERSEY/F SHAPE) Scaling (Percent Area) 5 Bridge Rail 6 6 (Type : BRIDGE TUBE) Bridge Rail Posts 6 6 (Type : POST STEEL; POST STEEL) Bridge Rail/Posts Coating 4 4 (Type : PAINT) Sidewalk X X X Girder Detail Ratings N (count) 1 (count) 2 (count) 3 (count) Last 0 0 0 0 0 Now 0 0 0 0 0 Girders 4 4 Cracking (Y/N) Yes Spalling (Percent Area) 0													
Curbs/Median						6	6						
Curb Type : JERSEY/F SHAPE Scaling (Percent Area) 5	Drains Clo	gged (Y/N)	No										
Scaling (Percent Area) 5 Bridge Rail 6 6 (Type: BRIDGE TUBE) Bridge Rail Posts 6 6 6 (Type: POST STEEL; POST STEEL) Bridge Rail/Posts Coating 4 4 (Type: PAINT) Sidewalk X X X Girder Detail Ratings N (count) 1 (count) 2 (count) 3 (count) Last 0 0 0 0 0 Now 0 0 0 0 0 Girders 4 4 Cracking (Y/N) Yes Spalling (Percent Area) 0	Curbs/Media	เท				5	5	Light scaling several rust stains.					
Scaling (Percent Area) 5	(Curb Type	e : JERSEY/F \$	SHAPE)										
Superficial corrosion. Superficial corrosi	Scaling (P	ercent Area)	5					Thin opan at 01 labora.					
Superficial corrosion. Superficial corrosi	Bridge Rail					6	6						
Bridge Rail Posts 6 6 6		IDGE TUBE)						5% Superficial correction					
Count Coun						6	6						
Bridge Rail/Posts Coating			ST STEE	L)									
Cacking (Y/N) Yes Sidewalk X X X X X X X X X				,		4	4						
Sidewalk X X Girder Detail Ratings Spalling (Percent Area) X X X A (count) 1 (count) 2 (count) 3 (count) B (count) 4 (coun													
Girder Detail Ratings						У	У						
N (count) 1 (count) 2 (count) 3 (count)	oldowalk						^						
Last 0 0 0 0 Now 0 0 0 0 Girders 4 4 Medium & narrow typical chamfer and longit web cracks. Cracking (Y/N) Yes Wide width vertical crack @ ends of West fascia girders @ pier & @ South abut and North Abut. Spalling (Percent Area) 0	Girder Detail Ratings												
Now 0 0 0 0 0 Girders 4 4 Medium & narrow typical chamfer and longit web cracks. Cracking (Y/N) Yes Wide width vertical crack @ ends of West fascia girders @ pier & @ South abut and North Abut.		N (count)	1 (count)	ount) 2 (count)			unt)						
Girders 4 4 Medium & narrow typical chamfer and longit web cracks. Cracking (Y/N) Yes Wide width vertical crack @ ends of West fascia girders @ pier & @ South abut and North Abut.	Last	0	0		0		0						
Spalling (Percent Area) Spalling (Percent Area) South abut and North Abut.							0						
Spalling (Percent Area) Spalling (Percent Area) South abut and North Abut.	Girders					4	4	Medium & narrow typical chamfer and longit web cracks.					
Spalling (Percent Area) 0		Y/N)	Yes	S				Wide width vertical crack @ ends of West fascia girders @ pier &					
	-							South abut and North Abut.					
Trumpor of Onuclo . ILl	-	(Number Of Girders : 12)											

			tructure						
Bridge Component		Last	Now	Explanation of Condition					
(Primary Span : FC, 2 Spans, Le	ngths(m): 35.1-35.1, A	er:)							
Diaphragms/Cross Frame		6	6	Diaphragms have vertical cracks and 4 have wide horizontal cracks.					
Bearings		7	7	Superficial corrosion on 5% - mostly					
Temperature (deg. C)	-8			at exterior.					
	reel)		/ITH	Exp @ pier.					
(Fixed Type : REINFORCED N TEFLON AND STAINLESS ST	EOPRENE BEARING EEL)	WITH							
Coating Adequate (Y/N)	Yes								
Functioning (Y/N)	Functioning (Y/N) Yes								
Deck Underside		5	5	Corrosion stains at 5% of weep drains.					
Stains (Percent Area)	2			Corrosion repaired at pier.					
Span Alignment Problems									
Vertical (Y/N)	No								
Horizontal (Y/N)	No								
Superstructure General Rating		4	4						
			Subst	ructure					
Bridge Component		Last	Now	Explanation of Condition					
Abutments									
Bearing Seats/Caps		7	7						
(Type : CONCRETE)									
Backwalls/Breastwalls		7	7						
Wingwalls		7	7						
Abutments Bearing Seats/Caps (Type: CONCRETE) Backwalls/Breastwalls Wingwalls Piles Paint/Coating Abutment Stability Scour/Erosion		N	N	Buried.					
Paint/Coating		5	5						
TEFLON AND STAINLESS STEEL) (Fixed Type : REINFORCED NEOPRENE BEARING VALUE TEFLON AND STAINLESS STEEL) Coating Adequate (Y/N) Yes Functioning (Y/N) Yes Deck Underside Stains (Percent Area) 2 Span Alignment Problems Vertical (Y/N) No Horizontal (Y/N) No Superstructure General Rating Bridge Component Abutments Bearing Seats/Caps (Type : CONCRETE) Backwalls/Breastwalls Wingwalls Piles Paint/Coating Abutment Stability		7	7						
Wingwalls Piles Paint/Coating Abutment Stability Scour/Erosion Piers/Bents (Type: PIER-COLUMN) Bearing Seats/Caps		Х	X						
Piers/Bents									
(Type : PIER-COLUMN)				Narrow to medium vertical crack at West end of pier cap.					
Bearing Seats/Caps		7	6						
(Type : CONCRETE)									
(Total Number of Bearing Piles :	0)								
Pier Shaft/Piles		7	7						
Bracing/Struts/Sheathing		X	X						
Nose Plate		Х	X						
Paint/Coating		5	5						
(Colour Description :)									
(Colour Code :)									
Pier Stability		7	7						
Scour		Х	X						
Debris (Y/N)	No								
Substructure General Rating		7	6						

		re Usage					
		Last	Now	Explanation of Condition			
Grade Separation							
Road Alignment			7				
Traffic Safety Features			3	1 broken post at median.			
Туре	Guardrail						
Slope Protection		5	5	Slope protection settled 350 mm and			
(Type : CONCRETE; CONCRE	TE)		pulled away 120 mm at North abut sealed .				
Bank Stability			6				
Drainage			6				
Grade Separation General Ratio	ng	3	3				

			Maintenance Red	commend	ations						
Inspector Recommendations		Year	Inspector Comments		Department Co	mmen	ts		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL			·								
GALVANIZE/PAINT BRIDGE RAIL											
SEAL CURBS											
PATCH DECK											
SEAL DECK											
OVERLAY DECK											
REPAIR/REPLACE DECK JOINTS											
RESET/ PAINT BEARINGS											
WASHING											
SHOTCRETE REPAIRS											
REPAIR ABUTMENT SCOUR/EROSI	ON										
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
OTHER ACTION		2012	Replace 1 post at Hwy 1 median Gua 7 approach posts. Install 3 splice bolt turn down bracket bolt.	rdrail and s and 1							
OTHER ACTION											1
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/N (%)	ow)	61.1/55.	6 Sufficiency Rating (Last/N	ow) 6	2.8/61.0	Est	t. Repl. Yr	2027	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection			,		Department Comments	<u> </u>					
Maintenance Reviewed By					Date			E	Estimated Tota	1 0	
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name Ga		Roberts		Previous A	Assistant's Name)					
Next Inspection Date 0		/-2013		Previous I	nspection Date		28-Sep-2010				
Inspection Cycle (Default) (months)	21										
Comment											