Bridge Inspection																	
Bridge File Number 74596 -1 Bridge								Form Type			SG						
Year Built/Year 1966/1966 Supstr									No.			2					
Bridge or Town Name COCHRANE									pector N			Garry Roberts					
Located Over	- tarrio			06 R1 15	06 D1 15 567				Inspector Class			BR CLS A					
Located On		25123:02			3.001				Assistant Name								
Water Body Cl./	Voor	20120.02	. 01 0.14						sistant C								
Navigabil. Cl./Ye								Ins	pection l	Date		12-Feb-2012					
Legal Land Loca		SW SEC	22 T\//D	24 PCE	: 1\//51	1		Da	ta Entry	Ву		Anne Roberts					
					4 7751	/1		Data Entry Date				13-Mar-2012					
Longitude, Latitu	ide	-114:32:0			T\				Reviewer Name			Tom Carey					
Road Authority	\	Alberta T	ransport	alion (Al	1)			Re	Review Date			21-Feb-2012					
Contract Main. A		CMA28	// / / / =	<u> </u>				De	Dept. Reviewer Name			Tim Davies					
Clear Roadway/	Skew	9.1 / -9 d)				De	Dept. Review Date			22-Mar-2012					
AADT/Year		100 / 200						- Fol	low-Up I	Ву							
Road Classificat		RLU-208	-100					_									
Detour Length (I	<u> </u>	2			1.												
Allowable Load	(t): Sin	gle			Semi					Train				> On Critic		าร	
Design Loading:		HS2	0											> Primary	Span		
Deguina d.V. ()	No	P- "	o. /w-\	LINIDES	2.4.1.4				mation								
Required Vert. C			g (m)	UNDEF	k: 1 L1 :	5.3m	ı, 1 K1	5.3M									
Posted Vertical				Yes			0.400	.,		Ī					0.70.0	.,	
Posted: Lane	EB		idge (m)		In Adva		· ,	Yes	Lane	WB	(On Bridge (m)	5.3	In Advance	(Y/N)	Yes	
Remarks		med posti	ng is acc		ept 14, 2	2010			1								
Required Load F		(t)		Single					Semi		_	Truck Train					
Posted Loading	(t)			Single					Semi			Truck Train					
Posted:	Lane	NB		At Junction (Y/N)		No		In Adva	ance	(Y/N) No		At Bridge (Y/N) No		No			
Posted:	Lane	SB At Junction (tion (Y	Y/N) No			In Adva	ance	(Y/N)	/N) No		ridge (Y/N)	No			
Remarks	Not re	quired															
Hazard Marker A	At Bridg	ge (Y/N)	No														
Remarks																	
Other Sign Type	:S																
						Ut	ilities	(Loca	ited at)								
Utility Attachmer	· ·																
Telephone	All thre	ough this	area.						S								
Power									Municipal								
Others									Problem (Y/N) No								
Remarks	Fibre	Optics Ca	ble.														
							Appro			n -f	Ca	ition					
Horizontal Aligni	ment					L ast 6	Now 6		planatio			, crest curve					
Vertical Alignme						5	5	typ	ical of gr	rade s	separ	ations.					
			9.100			3	5	-									
Roadway Width	` '		9.100			6											
Approach Bump			Ves			6	6	N 4:		lota -	orl:-	halta \\/	las :	1 NIC 222 014			
, ,	Guardrail (Y/N) Yes						IVIIS	ssing iso	iated	splice	e bolts. Wrong	iap a	INE and SW				
Guardrail				4	4	- No	t thriebe	am									
Length (m) 68.000																	
Current Standard (Y/N) No			N.														
Termination Type TURNED DOWN ENDS				N													
Drainage						7	7										
Approach Road	d Gene	ral Rating	9			5	5										

Bridge Component							Supers	structure				
(Primary Span : FR, 3 Spans, Lengths(m): 29.6-11-29.6, A-Ident Number: A0510-01) Special Feature	Bridge Com	ponent										
Special Feature		•	ns. Lenath	hs(m):	29.6-11-29			•				
Special Feature				- (,		,						
Type : Special Feature							X					
Special Feature	•						- / .					
Type : Wearing Surface Detail Ratings		ture					X					
Wearing Surface/Deck Top Detail Ratings	•	luie										
N (%)		face/Deals Tax	Detail Det	···		<u> </u>						
Last 0 0 0 0 Now 0.0 0.0 0.0 0.0 Wearing Sufface 7 7 7 (Material Type : CONCRETE) (Thickness/mm): 50) N N Deck Top N N N Deck Deck Joints 6 6 Abut joints have no plumbing Femperature (deg. C) -12 4 Abut joints have no plumbing (Expansion Type : SLIDING PLATES) Gap Location 45 South 45 South 5 Joints allow drainage onto girder ends & bearings. For airs Clogged (Y/N) No Possible of the control of the cont	wearing Sur				(0/)	2 (0()						
New 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Last			2				-				
Wearing Surface		-			-		-					
(Material Type : CONCRETE) (Thickness(mm) : 50) Deck Top N N Deck Rideability 7 7 Deck Joints 6 6 6 Temperature (deg, C) -12 -12 (Expansion Type : SLIDING PLATES) (Fixed Type :)			0.0		0.0	1						
Thickness(mm) : 50 Deck Top						7	7					
Deck Top		• •	ETE)									
Deck Rideability		s(mm) : 50)										
Deck Joints	Deck Top					N	N					
Temperature (deg. C)	Deck Rideal	oility				7	7					
(Expansion Type : SLIDING PLATES) (Fixed Type :) Gap Size (mm) Gap Location 45 South 55 North South Sou	Deck Joints					6	6	Abut joints have no plumbing				
Circuit Circ	Temperatu	ıre (deg. C)	-12									
Gap Size (mm)	(Expansio	n Type : SLIDI I	NG PLATE	ES)								
A	(Fixed Typ	e:)										
Deck Drainage	Gap Size	(mm)	Ga	ap Loc	ation							
Deck Drainage	45		Sc	outh								
Deck Drainage			No	orth								
Drains Clogged (Y/N)												
Drains Clogged (Y/N)								-				
Drains Clogged (Y/N)								-				
Drains Clogged (Y/N)								-				
Drains Clogged (Y/N)	Dook Drains	20				E	E	lainte allow drainage ante girder ande 8 hagringe				
Curbs/Median 7 7 7 (Curb Type : Standard) Scaling (Percent Area) 1 Bridge Rail 4 3 1 panel has 2 bars with minor bends. missing 1 bottom bolt at SW 5% of anchor nuts have insufficient thread engaged 3% Corrosion Missing 2 post A/B nuts at West and 2 at East rails Girder/Beam Cover Plate 7 7 7 Flange 7 7 Splice 7 7 Splice 7 7 Weld 7 7 Weld 7 7 Vertical flex crack every 1.5m up to 1mm wide. 1 panel has 2 bars with minor bends. missing 1 bottom bolt at SW of anchor nuts have insufficient thread engaged 3% Corrosion Missing 2 post A/B nuts at West and 2 at East rails		_	No	No		5) 5	Retro drain @ E gutter				
Curb Type : Standard Scaling (Percent Area) 1 Bridge Rail 4 3 1 panel has 2 bars with minor bends. missing 1 bottom bolt at SW 5% of anchor nuts have insufficient thread engaged 3% Corrosion Grype : POST STEEL; POST STEEL) Bridge Rail/Posts Coating 4 4 (Type : PAINT) Sidewalk X X Girder/Beam Cover Plate 7 7 Flange 7 7 Web 7 7 Stiffeners 7 7 Splice 7 7 Weld 7 7 Weld 7 7 Weld 7 7 Weld 7 7 Topanel has 2 bars with minor bends. missing 1 bottom bolt at SW 5% of anchor nuts have insufficient thread engaged 3% of anchor nuts have and 2 at East rails			INO	NO				Drainage not causing any serious problem				
Scaling (Percent Area) 1						7	7	Vertical flex crack every 1.5m up to 1mm wide.				
Bridge Rail	, , , , , , , , , , , , , , , , , , ,											
Stiffeners 1	Scaling (P	ercent Area)	1									
Stiffeners 1	Bridge Rail					4	3	1 panel has 2 bars with minor bends. missing 1 bottom bolt at SW				
Bridge Rail Posts 3 3 3% Corrosion Missing 2 post A/B nuts at West and 2 at East rails Bridge Rail/Posts Coating 4 4 4 (Type : PAINT) X X Sidewalk X X Girder/Beam 7 7 Flange 7 7 Web 7 7 Stiffeners 7 7 Splice 7 7 Weld 7 7	(Type : ST	EEL VERTICA	AL BAR)					5% of anchor nuts have insufficient				
(Type : POST STEEL; POST STEEL) Bridge Rail/Posts Coating 4 4 (Type : PAINT) X X Sidewalk X X Girder/Beam 7 7 Flange 7 7 Web 7 7 Stiffeners 7 7 Splice 7 7 Weld 7 7						3	3	3% Corrosion				
Bridge Rail/Posts Coating 4 4 (Type : PAINT) X X Sidewalk X X Girder/Beam Cover Plate 7 7 Flange 7 7 Web 7 7 Stiffeners 7 7 Splice 7 7 Weld 7 7			OST STEE	L)				Missing 2 post A/B nuts at West and 2 at East rails				
(Type : PAINT) Sidewalk X X Girder/Beam Cover Plate 7 7 Flange 7 7 Web 7 7 Stiffeners 7 7 Splice 7 7 Weld 7 7						4	4					
Sidewalk X X Girder/Beam Cover Plate 7 7 Flange 7 7 Web 7 7 Stiffeners 7 7 Splice 7 7 Weld 7 7												
Cover Plate 7 7 Flange 7 7 Web 7 7 Stiffeners 7 7 Splice 7 7 Weld 7 7						Х	X					
Cover Plate 7 7 Flange 7 7 Web 7 7 Stiffeners 7 7 Splice 7 7 Weld 7 7	Girder/Bear	n										
Flange 7 7 Web 7 7 Stiffeners 7 7 Splice 7 7 Weld 7 7				7	7							
Web 7 7 Stiffeners 7 7 Splice 7 7 Weld 7 7												
Stiffeners 7 7 Splice 7 7 Weld 7 7								-				
Splice 7 7 Weld 7 7								-				
Weld 7 7								_				
								-				
Diaphragino, 01033 France		/Cross Framo				+						
	Diapriragins	- CIUSS FIAIIIE					<u> </u>					

			Supare	tructure
Bridge Component			<u> </u>	Explanation of Condition
(Primary Span : FR, 3 Spans, Lo	 enaths(m): 29.6-11-29		· · · · · · · · · · · · · · · · · · ·	· •
Paint Condition	ogo()o.oo	4	4	Rust appearing at bolts and bottom flange
(Colour Description : GREEN)			'	1% of total area.
(Colour Code : 14090)				
Touchup Required (Y/N)	No			
Bearings	11.0	6	6	Minor Corrosion @ South
Temperature (deg. C)	-12			Willion Contosion & Count
(Expansion Type : PINNED BI				
(Fixed Type : ROLLER NEST	•	EARIN	G)	
Coating Adequate (Y/N)	Yes		_,	
Functioning (Y/N)	Yes			
Deck Underside		5	4	CONCRETE SPALLING @ TOP FLANGE at isolated areas over
Stains (Percent Area)	1			pier. SEVERAL AREAS HAVE RUST STAINS @ WEEP TUBES.
				Spalled areas not over hwy 1
Span Alignment Problems	 			
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating	9	5	4	
			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		6	6	
(Type : CONCRETE)				
Backwalls/Breastwalls		6	6	
Wingwalls		7	7	
Piles		N	N	Buried
Paint/Coating		Х	Х	
Abutment Stability		7	7	
Scour/Erosion		Х	Х	
Piers/Bents				
(Type : PIER-TRESTLE)				
Bearing Seats/Caps		7	7	
(Type : STEEL)				1
(Total Number of Bearing Piles :	0:0)			
Pier Shaft/Piles	,	7	7	
Bracing/Struts/Sheathing		Х	Х	
Nose Plate		Х	Х	
Paint/Coating		6	6	
(Colour Description : GREEN)				
(Colour Code : 14090)				
Pier Stability			7	
Scour		Х	Х	
Debris (Y/N)	No			
Substructure General Rating	_	6	6	

Structure Usage										
		Last	Now	Explanation of Condition						
Grade Separation										
Road Alignment			6							
Traffic Safety Features			3	Median only						
Туре	GUARDRAIL			Wrong lap at NW and SW. 1 broken post at East median						
Slope Protection		6	6	200mm heave @ bot @ N						
(Type : CONCRETE; CONCRE	TE)									
Bank Stability			6							
Drainage			7							
Grade Separation General Rati	ng	3	3							

74596 -1 Bridge

			Maintenance Re	commend	ations					
Inspector Recommendations		Year	Inspector Comments		Department Comm		Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL		2012	Replace 4 missing post A/B nuts and bridgerail bolt nut	1						
GALVANIZE/PAINT BRIDGE RAIL										
RETROFIT BRIDGE RAIL										
SEAL CURBS										
PATCH DECK										
SEAL DECK										
OVERLAY DECK										
REPAIR/REPLACE DECK JOINTS										
RESET/ PAINT BEARINGS										
REPAINT SUPERSTRUCTURE										
STRAIGHTEN/REPLACE MEMBERS										
WASHING										
SHOTCRETE REPAIRS										
REPAIR ABUTMENT SCOUR/EROSI	ON									
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
OTHER ACTION		2012	Replace 1 post at median							
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/No. (%)	ow)	61.1/55.0	.6 Sufficiency Rating (Last/N	low)	61.9/59.4	Est. Repl. Yr	2025	Maint. Red	d. (Y/N)	Yes
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		E	Estimated Total	0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name Gara		Roberts		Previous /	Assistant's Name					
Next Inspection Date	12-Nov	v-2013		Previous I	Previous Inspection Date 14-Sep-2010					
Inspection Cycle (Default) (months)	21									
Comment										