						В	ridge I	nspe	ction							
Bridge File Num	ile Number 79210 N-1 Bridge								Form Type			PSR				
Year Built/Year 1982/1982								Lot No.			2					
Supstr						Inspector Name			Garry Roberts							
Bridge or Town Name CALGAR				Inspector Class			BR CLS A									
Located Over RAMP 409 WATERC			? 4097-1 F;B :RCRS-ST	097-1 F;BOW RIVER, 2.13, CRS-ST					Assistant Name							
Located On 2:15 R1 19.9									Assistant Class							
Water Body Cl./Year								Inspection Date				27-Jan-2013				
Navigabil. Cl./Year									Data Entry By			Lauren Korte				
Legal Land Location SW SEC			EC 13 TWP	23 RGE	1 W5N	5M			Data Entry Date			15-Feb-2013	3			
			1:07, 50:57:	.08				Rev	Reviewer Name			Tom Carey				
			a Transporta	ation (AIT	_)				view Dat	te		30-Jan-2013				
Contract Main. A	rea	DEER	FOOT/STO	NEY				Dep	ot. Revie	ewer l	Name	Tim Davies				
Clear Roadway/	Skew	10.5 /						_	ot. Revie		te	21-Feb-2013	3			
AADT/Year		117,76	60 / 2011 (A	)				Fol	low-Up I	Зу						
Road Classificat	ion		112.4-130													
Detour Length (F	km)	1														
Allowable Load (	(t): Sin	igle C	S1 28		Semi CS2 49			Т		Train	CS	S3 62		> On Critical Spans >Critical Member		าร
Design Loading:		Н	S25											> Primary Span		
						Po	sting I	nforr	nation							
Required Vert. C	Clearar	ice Pos	sting (m)	UNDER	: 4097-	-1-F	4.5m									
Posted Vertical (	Cleara	nce (Y/	N)													
Posted: Lane	NB	On	Bridge (m)	In Advance		nce (	Y/N)		Lane	SB	C	n Bridge (m)		In Advance (Y/N)		
Remarks	Not re	quired.	•						ı							
Required Load F	Posting	(t)		Single					Semi				Truck Train			
Posted Loading	(t)			Single					Semi			Truck Train				
Posted:	Lane	NB	}	At Junction (Y/N)				In Advance (Y/N)			At Bridge (Y/N)					
Posted:	Lane	SB		At Junction (Y/N)		N)			In Adva	ance (	Y/N)		At Br	ridge (Y/N)		
Remarks	Not R	equired	d													
Hazard Marker A	At Brid	ge (Y/N	l) No													
Remarks			Not requ	uired.												
Other Sign Type	S		Route N	lerge.												
						Ut	ilities (	Loca	ted at)							
Utility Attachmer	ī		UTILITIES-	POWER	LINE			T -								
Telephone	In are							Gas								
Power		tation to							Municipal  Drakters (VAN) No.							
Others		standa						Problem (Y/N) No								
Remarks	Condi	uits at c	deck undersi	ae - Iight	ing at u											
						_ast	Now	Explanation of Condition								
Horizontal Aligni	ment					-ası 7	7	<del></del>	Curves both ends B3121B							
Vertical Alignme						8	8				-	2012	-			
			13.000					Anr	Approach slabs cracked. Potholes in South approach s			th approach sla	ab natr	hed		
Approach Bump			. 5.555			4	4	with	with ACP.  Potholes at South approach A.C.P.							
Guardrail (Y/N) Yes								arapets.								
Guardrail					4	4	Spa	Spalling from low cover rebar @ SE and NE approach para			arapet	S.				
Length (m) 10.500																
Current Standard (Y/N) No																
Termination Ty	Termination Type TURNDOWN															
Drainage						7	7									
Approach Road General Rating					7	7										

					Ş	Supers	tructure						
Bridge Component							Explanation of Condition						
	n : <b>PB, 5 Spa</b> r	ns, Len	gths(n	n): 35-48-48-4									
Special Feat			<del>*                                    </del>	•									
Special Feat						Х	Access hatch to North roof slab at NE and SW wings.						
(Type : )													
Special Feat	ure					Х							
(Type:)	-					-							
	face/Deck Top	Detail F	Ratings										
Trouming Cum	N (%)	1 (%)	· · · · · · · · · · · · ·	2 (%)	3 (%)								
Last	0	(,,,,	 )	0		0							
Now	20.0	0.		0.0		0.0							
Wearing Sur	20.0 0.0				6	6	Deck viewed from 4-1/4 points.						
(Material T							No visible problem.						
(Thickness													
	ection Problem	n N	No										
` '					N	l NI							
Deck Top					IN	N							
Deck Rideability						7							
Deck Joints					3	3	Suspect leakage at both abuts from staining.						
Temperatu	re (deg. C)	-	7				North abut seal is out of extrusion near center for approx 2m. Open gap in South seal at center.						
(Expansion	Type : <b>GLAN</b>	D (WAE	30-MA	UER, TRANS	FLEX,	ETC))	4 gland-all gaps @ 45mm at North abut.						
(Fixed Type	e:)						3 gland joint 40mm-40mm-50mm at South abut. Surface spalls @ anchors.						
Gap Size (	mm)		Gap L	ocation			·						
45			N abu	t			North joint bangs excessively loud and is loose at underside of joint at center line.						
50			S abu	t			South abutment joint makes noise also.						
							]						
Deck Draina	ge				4	4	Suspect leakage at both abutments.						
Drains Clo		N	No										
Curbs/Media					4	4	Isolated spalled areas - Worst at SE at S1.						
	: JERSEY/F	SHAPE	)				Spalled for 6m.						
	ercent Area)	2					New center parapet.						
Bridge Rail	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		_		Х	Х							
(Type:)													
Bridge Rail F	Posts				Х	Х							
(Type:)	0010						-						
	Posts Coating				Х	Х							
(Type:)	Joto Coating						-						
Sidewalk					Х	Х							
Girder Detail	Ratings												
N (count) 1 (count) 2 (count)					3 (cou	ınt)							
Last	0	Ò	<u> </u>	0		0							
Now	0	C	)	0		0							
Girders					6	4	Narrow longitudinal cracks @ fascia.						
Cracking (	Y/N)	Y	/es				1						
	ercent Area)	C					2x 5 continuous. Delam cracks at pt grout of Sp.1-G2 over path.						
(Number Of													
					7	7							
Diaphragms/Cross Frame						'							

Superstructure											
Bridge Component				Explanation of Condition							
(Primary Span : PB, 5 Spans, Le											
Bearings		5	6								
Temperature (deg. C)	-7			Minor teflon displaced @ SW. 10% corrosion.							
(Expansion Type : POT BEAR	ING)		50% corrosion @ SW - bearing functions. ok - wear marks indicate								
(Fixed Type : POT BEARING)	·		movement.								
Coating Adequate (Y/N)	Yes										
Functioning (Y/N)	Yes										
Deck Underside		6	6	Corrosion stains @ parapet joints @ exteriors.							
Stains (Percent Area)	1			Constitution of participating of animals.							
Span Alignment Problems											
Vertical (Y/N)	No										
Horizontal (Y/N)	No										
Superstructure General Rating		5	4								
,											
				ructure							
Bridge Component		Last	Now	Explanation of Condition							
Abutments			T -								
Bearing Seats/Caps		8	8	New expanded metal to keep pigeons out is open at South abut.							
(Type : CONCRETE)	I										
Backwalls/Breastwalls		5	6								
Wingwalls		7	7								
Piles		N	N	Buried.							
Paint/Coating		4	4	Corrosion staining at abutments and cracks. Suspect leakage from deck joint.							
Abutment Stability		7	8								
Scour/Erosion		7	7								
Piers/Bents	l										
(Type : PIER-SOLID)											
Bearing Seats/Caps		8	8								
(Type : CONCRETE)											
(Total Number of Bearing Piles :	0:0:0:0)										
Pier Shaft/Piles	,	8	8								
Bracing/Struts/Sheathing		Х	Х								
Nose Plate		N	N	Majority is Submerged.							
Paint/Coating		5	5								
(Colour Description : )											
(Colour Code : )											
Pier Stability		7	7								
Scour			N	Water is too deep.							
Debris (Y/N)	No										
Substructure General Rating		7	7								

		5	re Usage	
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				
(D/S Direction : W)				
Alignment		7	7	
Bank Stability		5	6	Steep cut @ West - Mechanically stabilized.
HWM (m below Top of Curb)				No Visible HWM.
Drift (Y/N)	No			
Slope Protection		5	5	Natural @ banks with class 1m @ North headslope.
(Type : CONCRETE; CONCR	ETE)		_	Cracked at SE.
Guidebank/Spurs		X	X	
Adequacy of Opening		8	7	
(Fish Compensation Measure 1	: NONE)			
(Fish Compensation Measure 2	: NONE)		_	
Channel General Rating		5	5	
Grade Separation				
Road Alignment		5	5	Local road under Sp.1. Pathway at Sp.2 and 5.
Traffic Safety Features		Х	Х	
Туре				
Slope Protection		5	6	
(Type : CONCRETE; CONCR	ETE)			
Bank Stability		6	6	
Drainage			6	
Grade Separation General Rat	ing	5	5	

				Maintenan	ce Recommend	lations						
Inspector Recommendations		Year	Inspecto	r Comments		Department Co	ommer	nts		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL												
GALVANIZE/PAINT BRIDGE RAIL												
SEAL CURBS		2013	Patch NI	E and SE approach pa	arapets.							
PATCH DECK		2013	Seal cra	cks and patch pothole: hes.	s at both							
SEAL DECK												
OVERLAY DECK		2013	Replace	North roof slab.								
REPAIR/REPLACE DECK JOINTS		2013	May nee bearing s as require	gland @ North joint fir d steel shim btwn extr steel. Search noise at red and leakage @ So both abuts								
RESET/ PAINT BEARINGS												
WASHING												
SHOTCRETE REPAIRS												
REPAIR ABUTMENT SCOUR/EROS	ION											
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT ACCUMULATION												
OTHER ACTION		2013	Patch and coat breastwalls 5L capseal.									
OTHER ACTION		2013	Patch PT grout at Sp.1-G2.									
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/N (%)	low)	66.7/61	.1	Sufficiency Rating (	(Last/Now)	43.9/40.7	Es	st. Repl. Yr	2051	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection	'					Department Comments						
Maintenance Reviewed By						Date				Estimated Tota	1 0	
Proposed Long-Term Strategy												
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name Tor		arey			Previous	Assistant's Nam	е					
Next Inspection Date 27		-2014			Previous	Inspection Date		22-Apr-2011				
Inspection Cycle (Default) (months)	21											
Comment												