						B	ridge l	nspe	ection								
Bridge File Num	ber	79400 SR2-1 Bridge						Form Type			CON						
Year Built/Year		1982/1982						Lot No.			1						
Supstr								Inspector Name			Garry Roberts						
	e or Town Name CALGARY							Inspector Class				BR CLS A					
Located Over	10232:02 R1 0.536;10232:02 L1								Assistant Name								
Located On		RAMP 4097-1 B;RAMP 4097-1 I				L			Assistant Class								
	ater Body CI./Year					Inspection Date				26-Jan-2013							
v	igabil. Cl./Year					Data Entry By			Ву		Lauren Korte						
Legal Land Location NE SEC 11 TWP 23 RGE 1 W5				1 W5M	5M			Data Entry Date			15-Feb-2013						
Longitude, Latitude -114:01:36, 50:57:01								Reviewer Name			Tom Carey						
Road Authority			Transporta		T)				Review Date			30-Jan-2013					
Contract Main. A	rea	DEERF	OOT/STO	NEY				De	pt. Revi	ewer Na	ne	Tim Davies					
Clear Roadway/S	Skew	23 /							Dept. Reviewer Name Dept. Review Date			21-Feb-2013	,				
AADT/Year		20,000	/ 2007 (E)					Fol	Ilow-Up	By							
Road Classificati	-	RLU-20	08-100					_									
Detour Length (k	<u> </u>	6															
Allowable Load (t): Sin	gle			Semi					Train		> Or		> On Critical	On Critical Spans Critical Member		
Design Loading:														> Primary			
Design Loading.						Po	stina l	nfor	mation						Span		
Required Vert. C	learan	ce Posti	ina (m)		R: 10232			men	mation								
Posted Vertical (Yes	. 10202	(
	EB		Bridge (m)		In Adva	nce (V/NI)	No	Lane	WB		n Bridge (m)	70	In Advanc		No	
Remarks			Bhage (III)	0.1	in Auva		1/11)		Lane			In Bridge (III)	7.0	III Auvano	5 (1/1 N)		
							Semi				Truc	<pre>< Train</pre>					
Required Load Posting (t) Single Posted Loading (t) Single						Semi					ruck Train						
				Single			NIa	In Advance (Y/N)						No			
Posted: Posted:	Lane		NB At Junction (*		· · ·	-	No No				-			At Bridge (Y/N) At Bridge (Y/N)			
	Lane	SB At Junction (IN)	INO			ance (Y/	N)	INU		idge (1/in)	No		
		quired.	N														
Hazard Marker A	t Bridg	je (Y/N)	No														
Remarks			MEDOL														
Other Sign Type	S		MERGE	E , 80KM	1/HR, 40			_	o. ated at)								
Utility Attachmen	te D(UTILITIES-			Uti	inties (-002	ated at)								
			UTILITIES-	FUVER				Co									
	In area	a. es Soutl	h						Gas Municipal Manhole @				@ SW.				
		it @ SV							•		Manhole @ SW.						
		-	v. 1 - undersic	la daak l	lighting			Problem (Y/N) No									
nemarks	LIGUE	sanuard	a - undersio	IE UECK I	ngnung.		Approa	ch F	Poad								
					1	.ast	Now		Explanation of Condition								
Horizontal Alignr	nent					5	5	Ramps curve B2164									
Vertical Alignme						5	5	Ramps on downgrade.									
Roadway Width (m) 23.000					0	0	Po	Pothole at both approaches at middle lane at West bridge.					dae				
Approach Bump				4	4	Cra	acks in a	approach	sla	bs- up to 75m	im wi	de at South I	betweer	า			
							dges.			·	<u> </u>						
Guardrail (Y/N) Yes						NN	v parape	et - 130m	im n	nisalignment.	Proje	ects into traffi	с.				
Guardrail				4	4	-											
Length (m) 37.000						_											
Current Standard (Y/N) No						_											
Termination Ty	ре		TURND	OWN													
Drainage						5	6										
Approach Road General Rating					5	5	-										
Approach Dec-	Come																

					Supers	tructure
Bridge Comp	onent			Last	Now	Explanation of Condition
(Primary Spar	n : CV, 3 Spa i	ns, Lengths(n	n): 20-30-16 , <i>I</i>	A-Ident	Numb	er:)
Special Featu	ures					
Special Featu	ire				Х	
(Type:)						
Special Featu	ire				X	
(Type :)						
Wearing Surfa	ace/Deck Top	Detail Ratings	;			
	N (%)	1 (%)	2 (%)	3 (%)		
Last	0	0	0		0	
Now	10.0	0.0	0.0	0	0.0	
Wearing Surfa	ace			6	6	Hairline map cracks.
	pe : CONCRE	ETE)			-	
(Thickness(,				
Deck Top				N	N	
Deck Rideabil	lity			7	7	
Deck Joints				4	3	Corrosion and some minor spalling at anchors.
Temperatur	e (deg. C)	3				(Gland is out of extrusion at NBL at South abut joint - Gravel Covered).
(Expansion	Type:)					Active leakage at both abuts.
(Fixed Type	: GLAND (W	ABO-MAUER	, TRANSFLE	X, ETC)))	
· · · · · · · · · · · · · · · · · · ·	Gap Size (mm) Gap Location					
35						
65		S abu	t			
Deck Drainag	е			4	4	Leakage along center longitudinal joint causing spalling of deck
Drains Clogged (Y/N) No					underside. Worst at headslope. Over traffic is adequate.	
Curbs/Median			4	4	30% snow covered.	
(Curb Type : JERSEY/F SHAPE)						Corrosion & Cracks @ low cover rebar, worst at center parapet @
Scaling (Per		10				- NBL.
Bridge Rail		10		X	X	
(Type :)					~	
Bridge Rail Po	nete			X	X	
(Type :)	5515				~	
Bridge Rail/Po	nete Coating			X	X	
	Jois Coaling				~	
(Type :)				V	v	
Sidewalk				X	X	
Girders				X	6	Slab.
Diaphragms/C	Cross Frame			X	X	
Bearings				6	7	10% corrosion at 50% of bearing at piers abutments at masonary
Temperatur	e (deg, C)	3				plates mostly SW beraring 50% corrosion.
	Type : POT B	-				1
	: POT BEAR					1
	equate (Y/N)	No				1
Functioning		Yes				1
Deck Undersi		100		4	3	Corrosion stains and cracks at 50 mm gap between structures. Is
Stains (Perc		2		4	3	adequate over traffic . Worst areas at headslopes spalled at South
						and at North end.
Span Alignm						
Vertical (Y/N		No				-
Horizontal (Y/N)	No				

			Supers	structure
Bridge Component				Explanation of Condition
(Primary Span : CV, 3 Spans,	Lengths(m): 20-30-1			
Superstructure General Ratin	ng	4	3	
Dridge Component		Leet		ructure
Bridge Component Abutments		Last	Now	Explanation of Condition
Bearing Seats		4	6	
			0	
Backwalls/Breastwalls			4	Minor spall at South under median joint and at bearing #2- not affecting bearing.
MGranus II-				
Wingwalls		7	7	
Piles		N	N	Buried.
Paint/Coating		4	4	Corrosion staining at South.
Abutment Stability			8	
Scour/Erosion			X	
Piers/Bents				
(Type : PIER-SOLID)				
Bearing Seats/Caps		8	8	-
(Type : CONCRETE)		0	0	
Pier Shaft/Piles			8	
Nose Plate			X	
Paint/Coating		6	6	Pigmented sealer.
(Colour Description :)				-
(Colour Code :)				
Pier Stability		8	8	
Scour		X	Х	
Debris (Y/N)	No			
Substructure General Rating		4	6	
		Last	Now	re Usage Explanation of Condition
Grade Separation		Last	110 11	
Road Alignment		6	6	Curve.
Traffic Safety Features		7	7	
Туре	PARAPETS			1
Slope Protection		4	4	Cracked at piers and open gaps at wingwalls.
(Type : CONCRETE; CONC	RETE)			
Bank Stability	,	7	7	
Drainage		7	7	
Grade Separation General Ra	ating	6	6	

Alberta Transportation

			Maintenance Recommen	dations					
Inspector Recommendations	Year	Inspecto	or Comments	Department Com	ments		Target Year	Est. Cost	Cat
REPAIR/REPLACE BRIDGE RAIL	2013	Patch parapet.	arapets approx 10m2- reset NW						
GALVANIZE/PAINT BRIDGE RAIL									
RETROFIT BRIDGE RAIL									
SEAL CURBS									
PATCH DECK	2013	Under m	nedian at South and North 2m2.						
SEAL DECK									
OVERLAY DECK									
REPAIR/REPLACE DECK JOINTS	2013	Re-insta joint, rep	II gland @ NBL at South abut deck						
RESET/ PAINT BEARINGS									
WASHING									
SHOTCRETE REPAIRS									
REPAIR ABUTMENT SCOUR/EROSION									
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
OTHER ACTION	2013	Fabricat to preve	e and install cover for center parapets nt leakage.						
OTHER ACTION									
OTHER ACTION									
OTHER ACTION	2013	Seal approach cracks at South between bridges.							
OTHER ACTION	2013	Patch pothole at both approaches at middle lane at West bridge.							
OTHER ACTION	2013	Patch ar	nd seal South breastwall.						
OTHER ACTION	2013	Repair 2 NW 10L	2m2 slope protection and seal gaps at M.						
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/Now) (%)	44.4/50	.0	Sufficiency Rating (Last/Now) (%)	46.2/47.7	Est. Repl. Yr	2041	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		E	stimated Total	0	

Alberta Transportation	
------------------------	--

Bridge Inspection & Maintenance System (Web 2005)

79400 SR2-1 Bridge

Proposed Long-Term Strategy			
On 3-Year Program (Y/N)			
Proposed Action			
Previous Inspector's Name	Tom Carey	Previous Assistant's Name	
Next Inspection Date	26-Apr-2016	Previous Inspection Date	25-Apr-2011
Inspection Cycle (Default) (months)	39		
Comment			