							Bridge I	nspection						
Bridge File Numb	er 7	79208 -1 Bridge						Form Typ	е		CON			
Year Built/Year	1	1982/1982						Lot No.			1			
Supstr		ON CARY REFRESS TRAIL				O) (E		Inspector Name			Garry Roberts			
Bridge or Town N	Name CALGARY - DEERFOOT TRAIL ANDERSON ROAD				OVE	R	Inspector Class			BR CLS A				
Located Over					OAD:	RAMP	Assistant Name							
		097-1 E						Assistant Class						
Located On	2	2:15 R1	20.446;2:	15 L1 2	0.536			Inspection	n Date		26-Jan-2013	3		
Water Body Cl./Year						Data Entry By L			Lauren Korte	Э				
Navigabil. Cl./Year						Data Entry Date			15-Feb-2013					
Legal Land Location SE SEC 14 TWP 23 RGE 1 W5M				VI		Reviewer Name			Tom Carey					
Longitude, Latitude -114:01:33, 50:57:13						Review Date			30-Jan-2013					
Road Authority	P	Alberta 7	ransport	ation (A	T)			Dept. Rev	iewer N	lame	Tim Davies			
Contract Main. Ar	ea [DEERFO	OT/STO	NEY				Dept. Review Date			21-Feb-2013	3		
Clear Roadway/S	kew 4	2.6 /						Follow-Up By						
AADT/Year	1	31,410	/ 2011 (A)				_						
Road Classification	on F	RFD-412	2.4-130					_						
Detour Length (kn	1								1					
Allowable Load (t)): Sing	le CS1	28		Semi	C	S2 49		Train	CS	3 62		> On Critic	al Spans
Design Loading:		HS2	25										> Primary Span	
Doolgii Loddiiig.		1102	-0			P	ostina l	nformation					>1 Hillary	Оран
Required Vert. Cle	earanc	e Postin	ıa (m)	UNDE	R: 4097									
Posted Vertical C			.9 ()	Yes			0.0							
Posted: Lane E			ridge (m)		In Adv	ance	(Y/N)	No Lan	e WB	С	n Bridge (m)	5.8	In Advance	(Y/N) No
			-2" ALSC		-		(' /				- J - ()			(') -
Required Load Po				Single				Semi				Truc	k Train	
Posted Loading (t		'		Single								ruck Train		
	∠ane	NB		At June	ction (Y	Y/N) No		In Advance (Y/N)		No		: Bridge (Y/N) No		
_	_ane	SB		At June	•			In Advance (Y/N)		No		t Bridge (Y/N) No		
Remarks	Not req	uired.			(· /				· ,			- J - (·)	_
Hazard Marker At			No											
Remarks		((, , , ,)												
Other Sign Types			40KM/F	IR & 30	KM/HR	. @ R	AMP R	OUTE						
J J								Located at)					
Utility Attachment	s TEI	LEPHOI	NE UTILI	ΓIES-Pŀ	HONE I			R UTILITIE		ER LI	NE			
Telephone	Γο East	t.						Gas						
	Conduit	t East si	de.					Municipal Manhole @ East.						
Others Light standards.					Problem (Problem (Y/N) Yes								
Remarks L	Jnders	ide deck	lighting.	Open e	lectrica	al box	at Nortl	n West.						
							Approa	ch Road						
						Last	Now	Explanat	ion of C	ondi	tion			
Horizontal Alignm	ent					6	6	On curve & superelevation B2162						
Vertical Alignment						7	7							
vertical Alignmen	Roadway Width (m) 43.000					Pothole with exposed rebar at South approach at N/B lanes-						anes-4m2.		
	111)	Approach Bump			4	3	Pothole at North approach at N/B lanes- 1m2.							
Roadway Width (r	111)		_					Davasata	Parapets.					
Roadway Width (r Approach Bump			Yes					_ Parapets.						
Roadway Width (r Approach Bump			Yes			6	6	Parapets.						
Roadway Width (r Approach Bump Guardrail (Y/N)			Yes 34.000			6	6	Parapets.						
Roadway Width (r Approach Bump Guardrail (Y/N) Guardrail	,)				6	6	Parapets.						
Roadway Width (r Approach Bump Guardrail (Y/N) Guardrail Length (m)	rd (Y/N)	34.000	OWN		6	6	Parapets.						
Roadway Width (r Approach Bump Guardrail (Y/N) Guardrail Length (m) Current Standar	rd (Y/N)	34.000 No	OWN		5	6	Parapets.						

			Ş	Supers	structure					
Bridge Component					Explanation of Condition					
(Primary Span : CV, 3 Spa	ns, Lengths(n	n): 11.3-16.9			-					
Special Features										
Special Feature				5	At East side signs & 4 lights.					
(Type:)					Gap at anchor bolt plate at 2nd leg is exposing anchor bolts.					
Special Feature				Х]					
(Type:)										
Wearing Surface/Deck Top	Detail Ratings	3								
N (%)	1 (%)	2 (%)	3 (%)							
Last 0	0	0		0	20% snow covered at gutters.					
Now 20.0	20.0 0.0 0.0		0	0.0	2070 S.I.O.I. 0070104 di guitolo.					
Wearing Surface			6	6	Map cracking @ Lafarge lane.					
(Material Type : CONCR	ETE)									
(Thickness(mm): 50)										
Deck Top			N	N						
Deck Rideability			7	7						
Deck Joints			3	3	Leaking @ South abut @ gap between structures.					
Temperature (deg. C)	1		3 3		South abut. seal has been 60% removed and replaced with AIFB and					
(Expansion Type : GLAN		HED TOAN	SELEY	ETC\\	Koch oil is missing for 2m at East. Active leakage at North abut full length.					
(Fixed Type :)	ID (WADO-INA	OLIX, TIXAIN	oi LLX,	L10 <i>)</i>)	Active leakage at North abut full length.					
Gap Size (mm)	Gan I	ocation								
60	N abu									
50 S abut					-					
Deck Drainage	O aba		4	4	Open joint at center median causing isolated corrosion.					
Drains Clogged (Y/N)	No		7		Open joint at center median causing isolated conosion.					
				4	Corrosion stains & cracks @ center only - isolated areas with					
Curbs/Median (Curb Type : JERSEY/F SHAPE)				4	exposed rebar.					
Scaling (Percent Area)	2				New East Parapet.					
Bridge Rail			X	Х						
(Type:)										
Bridge Rail Posts			X	X						
(Type:)										
Bridge Rail/Posts Coating			X	X						
(Type:)										
Sidewalk			X	Х						
Gluewalk			^							
Girders				X	Slab.					
Diaphragms/Cross Frame			Х	Х						
Bearings				7						
Temperature (deg. C) 1										
(Expansion Type : POT E	BEARING)									
(Fixed Type : POT BEAF	·									
Coating Adequate (Y/N)	Yes									
Functioning (Y/N)	Yes									
Deck Underside			3	3	Slab.					
Stains (Percent Area)	5				Corrosion stains @ 50mm gap. Spalling 2m2 at North abut at N/B.					

				tructure				
Bridge Component			Now	Explanation of Condition				
(Primary Span : CV, 3 Spans, Le	ngths(m): 11.3-16.9-1	12, A-I	dent Nu	ımber:)				
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		4	6	Wide vertical crack at North abut under longitudinal joint.				
Backwalls/Breastwalls		4	4	Spall/crack at North West abutment at breastwall- 0.5m2. 1m2 delam. at South under SBL.				
Wingwalls		7	7					
Piles		N	N					
Paint/Coating		3	3	Scaling at NW and NE abutment. Staining and corrosion staining at South abutment.				
Abutment Stability		8	8					
Scour/Erosion		Х	Х					
Piers/Bents								
(Type : PIER-SOLID)								
Bearing Seats/Caps		8	8					
(Type : CONCRETE)								
Pier Shaft/Piles		8	8					
Nose Plate		Х	Х					
Paint/Coating		8	7	Pigmented sealer.				
(Colour Description :)								
(Colour Code :)								
Pier Stability		8	8					
Scour		X	X					
Debris (Y/N)	No	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \						
Dobiis (1/14)	140							
Substructure General Rating		4	6					
				re Usage				
		Last	Now	Explanation of Condition				
Grade Separation		5	1					
Road Alignment			5	Curve.				
Traffic Safety Features		7	7					
Туре	PARAPETS		_					
Slope Protection		5	5	Concrete.				
(Type : CONCRETE; CONCRE	TE)							
Bank Stability		7	7					
Drainage		7	7					
Grade Separation General Rating			5					

			Maintenance Recom	mend	ations					
Inspector Recommendations	Year	Inspector	Comments		Department Cor	nments		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL										
GALVANIZE/PAINT BRIDGE RAIL										
RETROFIT BRIDGE RAIL										
SEAL CURBS										
PATCH DECK	2013	Deck und	lerside at North abut approx 4m2	2						
SEAL DECK										
OVERLAY DECK										
REPAIR/REPLACE DECK JOINTS	2013	Install 2 r	new deck joints.							
RESET/ PAINT BEARINGS										
WASHING										
SHOTCRETE REPAIRS										
REPAIR ABUTMENT SCOUR/EROSIO	N									
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
OTHER ACTION	2013	Seal gap	at sign mounting plate with caull	king.						
OTHER ACTION	2013	Fabricate seal oper	e and install parapet cover plate to joint at median barrier.	to						
OTHER ACTION	2013	Patch ap	proach spalls approx 4m2.							
OTHER ACTION	2013	Patch and back wall	d recoat abutments at breast wal approx 2m2.	ll and						
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/Nov (%)	v) 38.9/50.	.0	Sufficiency Rating (Last/Now) (%)	4	44.1/49.0	Est. Repl. Yr	2046	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date			Estimated Total	al O	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Fom Carey		Pre	vious /	Assistant's Name					

Bridge Inspection & Maintenance System (Web 2005

Alberta Transportation

em (Web 2005)	79208 -1 Bridge
(=)	

Next Inspection Date	26-Oct-2014	Previous Inspection Date	22-Apr-2011
Inspection Cycle (Default) (months)	21		
Comment			