Bridge Inspection																	
Bridge File Number 85091 -1 Bridge							_ ŭ		Form Type			PSR					
Year Built/Year 2011/2011								Lot No.			2						
Supstr							Ins	Inspector Name			Randy Bredo						
Bridge or Town Name 216 / 127 Street Interchange							Ins	Inspector Class			BR CLS A						
Located Over		_	:08 R1 10.8	21;21	16:08 L1	10.867	.867			Assistant Name							
Located On		LOC	CAL ROAD						Ass	Assistant Class							
Water Body Cl./										Inspection Date			17-Apr-2012				
Navigabil. Cl./Ye	ear									Data Entry By			Jill Potts				
Legal Land Loca	tion	NE	SEC 1 TWF	54 R	RGE 25 \	N4M	łM			Data Entry Date			03-May-2012				
Longitude, Latitu	ıde	-113	3:32:42, 53:	38:19	10					Reviewer Name			Dave Lam				
Road Authority		Albe	erta Transp	rtatio	tion (AIT)				Review Date			28-Apr-2012					
Contract Main. A	rea	UNI	DEFINED C	MA						ot. Rev	iewer I	Name	Brent Herricl				
Clear Roadway/	Skew	33.1	1 /							pt. Rev			12-Jun-2012				
AADT/Year										low-Up							
Road Classificat	ion	RF	D-414.1-110								,						
Detour Length (F	(m)																
Allowable Load ((t): Sir	ngle	CS1 28		S	emi	CS2	2 49			Train	CS	3 62		> On Critical Spans		ns
Danisa I andiam			01.000												>Critical Member		
Design Loading:			CL800				Day	Allerson I	no form	dian					> Primary	Span	
Required Vert. C	looror	200 F	Posting (m)				Pos	sung	mon	mation							
				Ve													
Posted Vertical (EB		On Bridge (Υ Ε		N du an a	· · · / ·	//NI\	No	Lane	e WB		n Bridge (m)	F F	In Advance	/\//NI\	No
Remarks			/C signs red			Advanc	e (i	(/IN)	INO	Lane	; VVD	U	in bridge (m)	5.5	In Advance	(1 / IN)	INO
			/C signs rec							0			Truck Train				
Required Load F) (t)			ingle					Semi							
Posted Loading	<u>`</u>	Ι.	\		Single					Semi			Truck Train				
Posted:	Lane		NB		t Junction		` '			In Advance (Y/N) In Advance (Y/N)		No	At Bridge (Y/N) No At Bridge (Y/N) No				
	Posted: Lane SB At Junction			n (Y/N)) P	No		In Adv	/ance ((Y/N)	No	At B	ridge (Y/N)	No			
Remarks	Not re																
Hazard Marker A	At Brid	ge (Y															
Remarks			Not r	equire	ed.												
Other Sign Type	S									4 1 4							
LIGHT Attackers	. 4 -						Util	ities (Loca	ted at)							
Utility Attachmer	าเร																
Telephone									Gas								
Power	1:	_1-	-ll-							Municipal Problem (V/N) Voc							
Others	Light			.1	ا- مدر					Problem (Y/N) Yes							
Remarks	Light	stand	dard base n	ot gro	outed.		^	10 10 H C	a a b - E) a a d							
						Las		Now		ch Road Explanation of Condition							
Horizontal Aligni	nent					La	J.	7	-^	Explanation of Condition							
								7									
	Vertical Alignment																
Roadway Width (m) 33.100					7												
Approach Bump Guardrail (Y/N) Yes						30	5m on										
Guardrail (17N) Yes					7	30.	JIII JII	OAIL.									
Length (m) 72.00 Current Standard (Y/N) Yes			<u> </u>														
		11)		uatio	n												
Drainage	Termination Type Attenuation						3	Fin	al nrad	ina rea	ujred :	each corner.					
										ui giau	y 160	lan Gu					
Approach Road	l Gene	eral F	Rating					7					<u> </u>		<u> </u>		

						Supers	tructure				
Bridge Comp	onent				Last	Now	Explanation of Condition				
(Primary Spa	n : NU, 2 Spa	ns, Ler	ngths(n	n): 52.87-52.8	37, A-Io	dent Nu	mber:)				
Special Feat	ures										
Special Featu	ıre					X					
(Type:)											
Special Featu	ıre					Х					
(Type :)											
	ace/Deck Top	Detail	Ratings								
Trodg Carre	N (%) 1 (%) 2 (%)				3 (%))					
Last	(70)	. (/0/		_ (75)	(70)	<u>'</u>					
Now											
Wearing Surf	300					8	H2 with waterproofing system.				
							112 with waterproofing system.				
(Material Ty											
(Thickness)	` '	Ι.									
(Y/N)	ection Problen	n l	No								
Deck Top						N					
Deck Rideabi	lity					8					
Deck Joints						8					
Temperatur	re (deg. C)	2	2								
(Expansion	Type : ARMC	URED	GLAN	D (WABO UN	IDER F	INGER					
	G PLATES))										
(Fixed Type			1								
Gap Size (r	nm)		Gap L	ocation							
72 A1 - armoured gland					d - exp						
67			A2 - a	rmoured glan	d - exp						
Deck Drainag	je					8	No drains.				
Drains Clog	ged (Y/N)		No								
Curbs/Mediar						3	Occasional hairline vertical cracks East barriers. West side only - no				
	: SINGLE SL	OPF C	ONCRI	TE BARRIFI	R)		rail. 4 failed caulking locations.				
Scaling (Pe			0								
Bridge Rail	100111711047					8	East side only.				
	LVANIZED ST	reel b	PIDCE	: TUDE\			Last side only.				
Bridge Rail P		I EEL D	KIDGE	TOBE)		0					
		OT 0T				8					
	LVANIZED PO	251 51	EEL)		<u> </u>						
Bridge Rail/P						8					
	LVANIZED)										
Sidewalk						7	10% light scaling on deck.				
Girder Detail	Ratings										
N (count) 1 (count) 2			2 (count)	3 (co	unt)						
Last											
Now											
Girders						4	High load damage S2G12 approx 500mm long x 40mm deep.				
Cracking (Y	′/N)		No								
	ercent Area)		1								
(Number Of C											

Bridge Component Cast Now Explanation of Condition (Primary Span ; NU, 2 Spans, Longther(m); 52.87-52.87, A-Ident Number ;					tructure
Bearings					
Bearing	(Primary Span: NU, 2 Spans, Lo	engths(m): 52.87-52.8	7, A-Id	ent Nu	mber:)
Temperature (deg. C)	Diaphragms/Cross Frame			8	
Expansion Type : ReINFORCED NEOPRENE BEANING WITH FEFLON AND STANLESS STELLY Fixed Type : Post Stanless Stelly	Bearings			8	Both abutments have bearings. Pier is integral.
TEPLON AND STANLESS STEEL Fixed Type :	Temperature (deg. C)	2			
Coating Adequate (Y/N) Yes	(Expansion Type : REINFORC TEFLON AND STAINLESS ST	ED NEOPRENE BEAR ΓΕΕL)	ING W	/ITH	
Functioning (Y/N) Yes	(Fixed Type :)				
Deck Underside	Coating Adequate (Y/N)	Yes			
Stains (Percent Area) 0	Functioning (Y/N)	Yes			
Span Alignment Problems	Deck Underside			8	
Vertical (Y/N)	Stains (Percent Area)	0			
Horizontal (V/N)	Span Alignment Problems				
Substructure Substructure	Vertical (Y/N)	No			
Substructure	Horizontal (Y/N)	No			
Last Now Explanation of Condition	Superstructure General Rating	ı		4	
Abutments 9 9				Subst	ructure
Bearing Seats/Caps	Bridge Component		Last	Now	Explanation of Condition
Colour Description:	Abutments				
Backwalls/Breastwalls 9	Bearing Seats/Caps			9	
Wingwalls Wingwalls typically have 4 stress cracks with efflorescence. Piles N Paint/Coating 7 Abutment Stability 9 Scour/Erosion X Piers/Bents (Type: PIER-COLUMN) Bearing Seats/Caps (Type: CONCRETE) (Total Number of Bearing Piles: 26) Pier Shaft/Piles 9 Bracing/Struts/Sheathing X Nose Plate X Paint/Coating (Colour Description:) (Colour Code:) Pier Stability 9 Scour X Wingwalls typically have 4 stress cracks with efflorescence. N Buried. Buried. Tan. (Colour Code:) Pier Stability 9 Scour X Debris (Y/N) No	(Type : CONCRETE)				
Piles	Backwalls/Breastwalls			9	
Paint/Coating 7	Wingwalls			8	Wingwalls typically have 4 stress cracks with efflorescence.
Abutment Stability 9	Piles			N	
Scour/Erosion	Paint/Coating			7	
Piers/Bents (Type : PIER-COLUMN) 5 columns. Bearing Seats/Caps 9 (Type : CONCRETE) 8 (Total Number of Bearing Piles : 26) Buried. Pier Shaft/Piles 9 Bracing/Struts/Sheathing X Nose Plate X Paint/Coating 8 Tan. (Colour Description :) (Colour Code :) Pier Stability 9 Scour X Debris (Y/N) No	Abutment Stability			9	
(Type : PIER-COLUMN) 5 columns. Bearing Seats/Caps 9 (Type : CONCRETE) 8 (Total Number of Bearing Piles : 26) Buried. Pier Shaft/Piles 9 Bracing/Struts/Sheathing X Nose Plate X Paint/Coating 8 Tan. (Colour Description :) (Colour Code :) Pier Stability 9 Scour X Debris (Y/N) No	Scour/Erosion			Х	
Bearing Seats/Caps 9	Piers/Bents				
(Type : CONCRETE) (Total Number of Bearing Piles : 26) Buried. Pier Shaft/Piles 9 Bracing/Struts/Sheathing X Nose Plate X Paint/Coating 8 Tan. (Colour Description :) (Colour Code :) Pier Stability 9 Scour X Debris (Y/N) No	(Type : PIER-COLUMN)				5 columns.
(Type : CONCRETE) (Total Number of Bearing Piles : 26) Buried. Pier Shaft/Piles 9 Bracing/Struts/Sheathing X Nose Plate X Paint/Coating 8 Tan. (Colour Description :) (Colour Code :) Pier Stability 9 Scour X Debris (Y/N) No	Bearing Seats/Caps			9	
Pier Shaft/Piles 9 Bracing/Struts/Sheathing X Nose Plate X Paint/Coating 8 Tan. (Colour Description:) (Colour Code:) Pier Stability 9 Scour X Debris (Y/N) No					
Bracing/Struts/Sheathing X Nose Plate X Paint/Coating 8 Tan. (Colour Description :) (Colour Code :) Pier Stability 9 Scour X Debris (Y/N) No	(Total Number of Bearing Piles :	26)			Buried.
Nose Plate X Paint/Coating (Colour Description:) (Colour Code:) Pier Stability 9 Scour X Debris (Y/N) No	Pier Shaft/Piles			9	
Paint/Coating 8 Tan. (Colour Description :) (Colour Code :) Pier Stability 9 Scour X Debris (Y/N) No	Bracing/Struts/Sheathing			Х	
(Colour Description :) (Colour Code :) Pier Stability 9 Scour X Debris (Y/N) No	Nose Plate			Х	
(Colour Description :) (Colour Code :) Pier Stability 9 Scour X Debris (Y/N) No	Paint/Coating			8	Tan.
(Colour Code :) Pier Stability 9 Scour X Debris (Y/N) No					
Pier Stability 9 Scour X Debris (Y/N) No					
Debris (Y/N) No				9	
Debris (Y/N) No	-			X	
	Debris (Y/N)	No			
				9	

Structure Usage									
		Last	Now	Explanation of Condition					
Grade Separation									
Road Alignment			7						
Traffic Safety Features			8						
Туре	Lighting								
Slope Protection			8	SE slope protection slid 35mm.					
(Type : CONCRETE; CONCRE	TE)								
Bank Stability			7						
Drainage			7						
Grade Separation General Rati	ng		7						

85091 -1 Bridge

		Maintenance Re	ecommend	ations					
Inspector Recommendations	Year	Inspector Comments		Department Com	iments		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/EROSIG	NC								
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
OTHER ACTION	2012	Finish setting handrail and grout pos	its.						
OTHER ACTION	2012	Patch high load damage.							
OTHER ACTION	2012	Finish grading at all 4 corners.							
OTHER ACTION	2012	Install advance vertical clearance sig	gns.						
OTHER ACTION	2012	Repair 4 failed curb caulking location	าร.						
OTHER ACTION	2012	Grout bases of light standards.							
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/No (%)	ow) /72.2	Sufficiency Rating (Last/I	Now) /	66.1	Est. Repl. Yr	2087	Maint. Red	ąd. (Y/N)	Yes
Special	'			Department					
Comments for				Comments					
Next Inspection									
Maintenance Reviewed By				Date		E	Estimated Total	0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
T Topocou Tionon									
Previous Inspector's Name			Previous /	Assistant's Name					
Next Inspection Date	17-Jan-2014		Previous I	nspection Date					
Inspection Cycle (Default) (months)	21								
Comment									