Bridge Inspection																
Bridge File Num	ber	0097	77 -1	Bridge				Ž	Form		pe SG					
Year Built/Year		1977	7/197	7					Lot No	٥.			2			
Supstr									Insped	ctor Na	ame		Jason Saly			
Bridge or Town I	Name	+						_	Insped	ctor C	lass		BR CLS A			
Located Over		1		R RIVE	R, 3, WA	TERCE	RS-S	Т	Assist	Assistant Name						
Located On		11:1	4 C1	8.884					Assist	ant Cl	ass					
Water Body Cl./		ſ							Insped	Inspection Date 14-Feb-2012						
Navigabil. Cl./Ye		1							Data E	Entry [Зу		Marcia Cha	/ez		
Legal Land Loca				13 TWP		26 W4	M		Data E	Entry [Date		08-Mar-201	2		
Longitude, Latitu	ıde			2, 52:16:					Revie	wer N	ame		John O'Brie	n		
Road Authority		Alberta Transportation (AIT)				Γ)			Revie	w Date	е		28-Feb-201	2		
Contract Main. A		CMA19							Dept.	Revie	wer Na	ame	Andrew Sm	kles		
	r Roadway/Skew 11 / 25 deg. (RHF)							Dept.	Revie	w Date	Э	09-Mar-201	2			
AADT/Year)10 (A)					Follow	Follow-Up By						
	d Classification RAU-211.8-110							-								
Detour Length (k																
Allowable Load ((t): Sir	ngle CS1 28 Semi			Semi	CS	S2 49			Train	CS	3 62		> On Critical M	cal Spans Iember	
Design Loading:	ding: HS25			l									> Primary			
_ co.gco.ug.							Po	sting Ir	nforma	tion					, i iiiiai	opa
Required Load F	osting	g (t)			Single					emi				Truc	k Train	
Posted Loading	(t)	Single						Semi			Truck Train					
Posted:	Lane	E	EB At Junction ()			tion (Y/I	N)	No	In Advance (Y/N) No		No	At Bridge (Y/N) No		No		
Posted:	Lane	V	WB At Junction (No			nce (Y				ridge (Y/N)	No
Remarks	Not re	equire	ed.			·					·					
Hazard Marker A	At Brid	lge (Y	/N)	No												
Remarks Not required.																
Other Sign Types Curves (both direction			ections)). Sli	ppery R	load.										
							Ut	ilities (L	Located	d at)						
Utility Attachmer	nts															
Telephone								Gas								
Power	One wire OH 30m South of c/l; 1 OH c			OH cro	sses	road	Munic	ipal								
Othern	~20m	n E of	briag	e					Proble	em (Y/	N) N	10				
Others																
Remarks								Approa	ch Boo	ad.						
						1	.ast	Now			n of Co	ondi	tion			
Horizontal Alignr	nent						5	5			n of Condition & curves both ends. Approaches both ends all corners.					all corners
Vertical Alignme							5	5	Climbing lanes in both directions.							
Roadway Width				11.000				, ,								
Approach Bump	` '						6	5								
Guardrail (Y/N)				Yes				, ,	2 wror	ng lan	s on a	uardı	ail at NW & s	SE at	terminal ends	(buried, no
Guardrail (Y/N) Yes Guardrail				4	4	2 wrong laps on guardrail at NW & SE at terminal ends (buried, n problem).					(
Length (m)				87.000												
Current Standa	ard (Y	/N)		No					Not th	rie be	am.					
Termination Ty		,		Turn Do	wn											
Drainage	,,,,,						4	4	Minor	spallii	ng to ti	rough	30Mar2010) n drains. NE wingwall.			
Approach Road	l Gen	eral R	atino	1			5	5				.g 🗻 i	9			

					Supers	tructure
Bridge Component					Now	Explanation of Condition
(Primary Spa	an : WG, 4 Spa	ns, Lengths	(m): 45.7-56.4-	56.4-4	5.7, A-I	dent Number: A0808-01)
Special Fea	tures				_	
Special Feat	ture				X	
(Type:)				_		
Special Feature					X	
(Type:)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
Last						Gutters covered by dirt & snow.
Now	2.0	0.0	0.0	C	0.0	
Wearing Surface (Material Type : CONCRETE - CONVENTIONAL CHIFCOAT)				6 IP SEA	6 L	HDOL. (Chipseal stops 0.3m short of curb, typical. 30Mar2010). Spot delam of chipseal totalling 2m2 on top of epoxy deck protection on HDOL.
(Thickness(mm): 50)						
Deck Top				N	N	
Deck Rideability				7	7	
Deck Joints				4	4	EBL paving lip failing/spalled.
Temperature (deg. C) -5						Cold mix patch in 300 x 200 pothole @ SE joint failing.
(Expansion Type : FINGER PLATES)						
(Fixed Type :)						
Gap Size (mm) Gap Location						
85 Abutment 1						
100 Abutment 2						
Deck Draina	-			7	7	No conditional defects other than galvanizing at bottom of trough is now rusted.
Drains Clogged (Y/N) No				Suspect overflow during icing conditions. Stains on abut seat.		
Curbs/Media	an			4	4	Vertical cracks in curb face.
(Curb Type	e : Standard)					Curbs patched and sealed. Some corrosion staining, exposed rebar.
Scaling (P	ercent Area)	1				Small spalls S curb.
Bridge Rail				7	7	
(Type : GA	ALVANIZED ST	TEEL BRIDG	E TUBE)			2% of AB's not long enough.
Bridge Rail F	Posts			4	4	
(Type : GA STEEL)	ALVANIZED PO	OST STEEL;	SALVANIZED	POST		
Bridge Rail/F	Posts Coating			7	7	
(Type : GA	ALVANIZED)					
Sidewalk			Х	X		
Girder/Bean						
Cover Plat	te			X	X	Looked through binoculars from bank and appears o.k.
Flange				7	7	-
Web				7	7	
Stiffeners				7	7	
Splice				7	7	-
Weld				7	7	
Diaphragms	/Cross Frame			7	7	

Bridge Component				Supers	structure
(Primary Span : WG, 4 Spans, Lengths(m): 45.7-56.4-56.4-57, A-tdent Number: A9808-01) Paint Condition	Bridge Component				
Paint Condition 7		Lengths(m): 4			•
Colour Description Colour Code Touchup Required (V/N)					·
Colour Code :) Touchup Required (YN) No					
Touchup Required (Y/N)	. ,				
Bearings		No			
Temperature (deg. C. -5 Grout pad at ŠE corner in E abut is cracking/deteriorating. (Expansion Type : POT BEARING) (Costing Adequate (Y/N) Yes Functioning (Y/N) Yes Functioning (Y/N) Yes Functioning (Y/N) No Functioning (Y/N) No Foreign (Propert Area) 1 Foreign (Propert Area)		110	6	6	Viewed through hipoculars to piers, appears OK
(Expansion Type : POT BEARING) (Fried Type : PINNED BEARING) Coating Adequate (Y/N)	-	-5			Grout pad at SE corner in E abut is cracking/deteriorating.
Fixed Type : PINNED BEARING Yes					_
Coating Adequate (Y/N)					_
Deck Underside		· ·			_
Deck Underside 6					-
Stains (Percent Area) 1		res			
Stains (Fercent Area) 1			6	6	Some leaching under side of deck starting. Efflorescence at some cracks.
Vertical (Y/N) No Horizontal (Y/N) No Superstructure General Rating 6 6 Bridge Component Last Now Explanation of Condition Abutments Bearing Seats/Caps 7 7 T Crype : CONCRETE) Backwalls/Breastwalls 7 7 Some cracking, minor. Wingwalls 7 7 Some peeling. Piels N N N Paint/Coating 4 4 Some peeling. Abutment Stability 8 8 Scour/Erosion 4 4 A1 hslp subsided approx 0.3m - photo. SW wing 2.4m x 0.8m x 0.3m erosion. Also, erosion at teh NE wingwall. Piers/Bents (Type : PIER-SOLID) Bearing Seats/Caps 7 7 (Total Number of Bearing Piles : 0:0:0) Some wide cracking in shaft @ P1,2. Pier Shaft/Piles 7 7 Bracing/St		1			1
Horizontal (Y/N)					
Substructure Substructure					_
Substructure					
Last Now Explanation of Condition	Superstructure General Rati	ing	6	6	
Last Now Explanation of Condition				Subst	ructure
Abutments Seats/Caps 7 7	Bridge Component		Last		
Bearing Seats/Caps 7 7 7 Type: CONCRETE Backwalls/Breastwalls 7 7 7 7			Lust	11011	Explanation of Condition
Type : CONCRETE Backwalls/Breastwalls			7	7	
Backwalls/Breastwalls	· ·				-
Wingwalls 7 7 Some cracking, minor. Piles N N Paint/Coating 4 4 Some peeling. Abutment Stability 8 8 Scour/Erosion 4 4 A1 hslp subsided approx 0.3m - photo. SW wing 2.4m x 0.8m x 0.3m erosion. Also, erosion at teh NE wingwall. Piers/Bents (Type : PIER-SOLID) Total Number of Searing Piles : 0:0:0) Bearing Seats/Caps 7 7 (Total Number of Bearing Piles : 0:0:0) Some wide cracking in shaft @ P1,2. Pier Shaft/Piles 7 7 Bracing/Struts/Sheathing X X Nose Plate 7 7 Galvanized. Some cracking/peeling. (Colour Description :) (Colour Code :) (Colour Code :) Pier Stability 7 7 Scour 6 N			7	7	
Piles N N Paint/Coating 4 4 Some peeling. Abutment Stability 8 8 Scour/Ferosion 4 4 A1 hslp subsided approx 0.3m - photo. SW wing 2.4m x 0.8m x 0.3m erosion. Also, erosion at teh NE wingwall. Piers/Bents (Type : PIER-SOLID) Bearing Seats/Caps 7 7 (Type : CONCRETE) Cotal Number of Bearing Piles : 0:0:0) Some wide cracking in shaft @ P1,2. Pier Shaft/Piles 7 7 Bracing/Struts/Sheathing X X Nose Plate 7 7 Galvanized. Paint/Coating 6 6 Some cracking/peeling. (Colour Description :) (Colour Code :) Pier Stability 7 7 Scour 6 N	Dackwaiis/Dieastwaiis				
Paint/Coating	Wingwalls		7	7	Some cracking, minor.
Abutment Stability 8 8 8 Scour/Erosion 4 4 4 A1 hslp subsided approx 0.3m - photo. SW wing 2.4m x 0.8m x 0.3m erosion. Also, erosion at teh NE wingwall. Piers/Bents (Type : PIER-SOLID) Bearing Seats/Caps 7 7 (Type : CONCRETE) (Total Number of Bearing Piles : 0:0:0) Pier Shaft/Piles 7 7 Bracing/Struts/Sheathing X X X Nose Plate 7 7 Galvanized. Paint/Coating 6 6 6 Colour Description :) (Colour Code :) Pier Stability 7 7 Scour 6 N	Piles		N	N	
A 1 hslp subsided approx 0.3m - photo. SW wing 2.4m x 0.8m x 0.3m erosion. Also, erosion at teh NE wingwall. Piers/Bents	Paint/Coating		4	4	Some peeling.
SW wing 2.4m x 0.8m x 0.3m erosion. Also, erosion at teh NE wingwall.	Abutment Stability		8	8	
(Type : PIER-SOLID) Bearing Seats/Caps 7 7 (Type : CONCRETE) (Total Number of Bearing Piles : 0:0:0) Some wide cracking in shaft @ P1,2. Pier Shaft/Piles 7 7 Bracing/Struts/Sheathing X X Nose Plate 7 7 Galvanized. Some cracking/peeling. (Colour Description :) (Colour Code :) Pier Stability 7 7 Scour 6 N	Scour/Erosion		4	4	SW wing 2.4m x 0.8m x 0.3m erosion.
Bearing Seats/Caps 7 7	Piers/Bents				
(Type : CONCRETE) (Total Number of Bearing Piles : 0:0:0) Pier Shaft/Piles 7 7 Bracing/Struts/Sheathing X X Nose Plate 7 7 Galvanized. Paint/Coating (Colour Description :) (Colour Code :) Pier Stability 7 7 Scour 6 N	(Type : PIER-SOLID)				
(Total Number of Bearing Piles : 0:0:0) Pier Shaft/Piles 7 Bracing/Struts/Sheathing X X Nose Plate 7 Paint/Coating (Colour Description :) (Colour Code :) Pier Stability 7 Scour Some wide cracking in shaft @ P1,2. Fall P1,2. Some wide cracking in shaft @ P1,2. Fall P1,2. Some wide cracking in shaft @ P1,2. Fall P1,2. Some wide cracking in shaft @ P1,2. Fall P1,2. Some wide cracking in shaft @ P1,2. Fall P1,2.	Bearing Seats/Caps		7	7	
Pier Shaft/Piles 7 7 Bracing/Struts/Sheathing X X Nose Plate 7 7 Galvanized. Paint/Coating 6 6 Some cracking/peeling. (Colour Description:) (Colour Code:) 7 7 Pier Stability 7 7 Scour 6 N	(Type : CONCRETE)				
Bracing/Struts/Sheathing X X Nose Plate 7 7 Galvanized. Paint/Coating 6 6 Some cracking/peeling. (Colour Description:) (Colour Code:) Pier Stability 7 7 Scour 6 N	(Total Number of Bearing Pile	s : 0:0:0)			Some wide cracking in shaft @ P1,2.
Nose Plate 7 7 Galvanized. Paint/Coating 6 6 Some cracking/peeling. (Colour Description :) (Colour Code :) 7 7 Pier Stability 7 7 Scour 6 N	Pier Shaft/Piles		7	7	
Paint/Coating 6 6 Some cracking/peeling. (Colour Description:) (Colour Code:) Pier Stability 7 7 Scour 6 N	Bracing/Struts/Sheathing		Х	Х	
(Colour Description :) (Colour Code :) Pier Stability 7 7 Scour 6 N	Nose Plate		7	7	Galvanized.
(Colour Description :) (Colour Code :) Pier Stability 7 7 Scour 6 N	Paint/Coating		6	6	Some cracking/peeling.
(Colour Code :) Pier Stability 7 7 Scour 6 N					
Pier Stability 7 7 Scour 6 N					
			7	7	
Debris (Y/N) Yes Minor drift caught at P3.	Scour		6	N	
	Debris (Y/N)	Yes			Minor drift caught at P3.

			Subst	ructure
Bridge Component La			Now	Explanation of Condition
Substructure General Rating			7	
			Y	
			Now	re Usage Explanation of Condition
Channel		Lasi	INOW	Explanation of Condition
(U/S Direction : N)				
(D/S Direction : S)				
Alignment			7	
Bank Stability			5	Large vertical bank to NE.
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Yes			Clump of drift caught in P3.
Slope Protection		6	6	
(Type: NATURAL; NATURAL)			
Guidebank/Spurs		X	X	
Adequacy of Opening			8	
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		6	6	

Alberta Transportation

		Maintenance Recommendations	Recommend:	ations					
Inspector Recommendations	Year	Inspector Comments		Department Comments	nents	Та	Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL									
GALVANIZE/PAINT BRIDGE RAIL									
RETROFIT BRIDGE RAIL									
SEAL CURBS									
PATCH DECK	2012	Patch delam chipseal areas.							
SEAL DECK									
OVERLAY DECK									
REPAIR/REPLACE DECK JOINTS									
RESET/ PAINT BEARINGS									
REPAINT SUPERSTRUCTURE									
STRAIGHTEN/REPLACE MEMBERS									
WASHING									
SHOTCRETE REPAIRS									
REPAIR ABUTMENT SCOUR/EROSION	7								
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
OTHER ACTION	2012	Patch curb spalls 0.1m3 OH-V.							
OTHER ACTION	2012	Fill SW wingwall erosion 1.0m3 pitrun.	trun.						
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/Now) (%)	v) 72.2 <i>1</i> 72.2	.2 Sufficiency Rating (Last/Now) (%)		61.9/61.9	Est. Repl. Yr	2050	Maint. Reqd. (Y/N)		Yes
Special 2008 CSE report esti Comments for Next Inspection	mates major re	2008 CSE report estimates major rehab required btwn 2032-2037.		Department Comments					
Maintenance Reviewed By				Date		Estir	Estimated Total	0	
Proposed Long-Term Strategy	3SE 2008 pred	CSE 2008 predicts rehab 2035. Readings ok. minor repairs required. RS	or repairs requ	ired. RS					
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Owen Salava		Previous A	Previous Assistant's Name	Chris Black				
Next Inspection Date	14-Nov-2013		Previous II	Previous Inspection Date	30-Mar-2010				
Inspection Cycle (Default) (months)	21								
Comment									

		Maintenance Recomme	ndations					
Inspector Recommendations	Year	Inspector Comments	Department (Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL								
GALVANIZE/PAINT BRIDGE RAIL								
RETROFIT BRIDGE RAIL								
SEAL CURBS								
PATCH DECK	2012	Patch delam chipseal areas.	programmed					
SEAL DECK								
OVERLAY DECK								
REPAIR/REPLACE DECK JOINTS								
RESET/ PAINT BEARINGS								
REPAINT SUPERSTRUCTURE								
STRAIGHTEN/REPLACE MEMBERS								
WASHING								
SHOTCRETE REPAIRS								
REPAIR ABUTMENT SCOUR/EROSION								
PLACE ADDITIONAL RIP RAP								
REMOVE DRIFT ACCUMULATION								
OTHER ACTION	2012	Patch curb spalls 0.1m3 OH-V.	defer					
OTHER ACTION	2012	Fill SW wingwall erosion 1.0m3 pitrun.	defer					
OTHER ACTION								
OTHER ACTION								
Structural Condition Rating (Last/Now) (%)	72.2/72	2.2 Sufficiency Rating (Last/Now) (%)	61.9/61.9	Est. Repl. Yr 2050	Maint. Re	qd. (Y/N)	Yes	
Special 2008 CSE report estimated to the comments for Next Inspection	ates major	rehab required btwn 2032-2037.	Department Comments	DA				
Maintenance Reviewed By Dar	ron Ahlste	dt	Date	22-Nov-2012	Estimated Tota	I 0		
_	CSE 2008 predicts rehab 2035. Readings ok. minor repairs required. RS							
On 3-Year Program (Y/N)								
Proposed Action								
Previous Inspector's Name Ow	en Salava	Previou	s Assistant's Na	me Chris Black				

Bridge Inspection	ጲ	Maintenance S	vstem	(Web 200	5)
Driuge mapeonom	Œ	Maintenance C	youdin	(* * E D 2 O O	J)

Alberta Transportation

00977 -1 Bridge

Next Inspection Date	14-Nov-2013	Previous Inspection Date	30-Mar-2010
Inspection Cycle (Default) (months)	21		
Comment			