						В	Bridge In	nspectio	n									
Bridge File Num	ber	75338 S	-2 Bridge					Form Type			PSR							
Year Built/Year		1962/196	62					Lot No.			1							
Supstr								Inspect	or N	lame		Randy Bred	D					
Bridge or Town	Name					200	о от	Inspector Class			BR CLS A							
Located Over			AN RIVE	र, 3.78,	WATER	JRS	5-51	Assistant Name										
Located On		2:26 L1 4	4.841					Assistant Class										
Water Body CI./Year								Inspection Date			18-Oct-2012							
Navigabil. Cl./Ye					07.14/41			Data Er	Data Entry By Marcia Chavez				'ez					
Legal Land Location NW SEC 16 TWP 39 RGE 27 Wa Longitude, Latitude -113:50:08, 52:21:27						1		Data Entry Date 13-Nov-2012										
Longitude, Latitu	lae)			Reviewer Name Jo				John O'Brien						
Road Authority			Fransporta	ation (AI	1)			Review Date 01-				01-Nov-2012	2					
Contract Main. A		CMA19						Dept. Reviewer Name			Andrew Smi	kles						
Clear Roadway/	Skew	i	deg. (RH	IF)				Dept. R	levie	ew Date	;	19-Nov-2012	2					
AADT/Year		35,980 /						Follow-	Up E	Зу								
Road Classification RFD-412.4-130 Detour Length (km) 1																		
Allowable Load		gle CS1	I 44 DER		Semi		S2 55 RDER			Train		3 70 RDER						
Design Loading:		HS2			<u> </u>	01	NULN							> Primary				
Design Loading.		1102	_0			Pc	ostina Ir	nformati	on						Оран			
Required Load F	Posting	(t)		Single				Semi			Truc	k Train						
Posted Loading				Single				Ser	mi				Truck Train					
Posted:	Lane	NB			tion (Y/N)		In Advance (Y/N)		/N)		At Bridge (Y/N)						
Posted:	Lane	SB			tion (Y/N	·	No			ance (Y		No		ridge (Y/N)	No			
Remarks	Not re	quired.																
Hazard Marker			Yes															
Remarks On parapets.																		
Other Sign Types																		
						Ut	ilities (L	ocated	at)									
Utility Attachme	nts																	
Telephone								Gas										
Power								Municip	bal									
Others	Shaw	fibre opti	cs West r	/w.				Problem	n (Y	/N) N	0							
Remarks																		
							Approa	ch Road										
						st	Now	Explan				ion						
Horizontal Align						9	9	Gradual sag curve.										
Vertical Alignme						7	7											
Roadway Width			11.300				_	-										
Approach Bump)					7	7											
Guardrail (Y/N) Yes						_												
Guardrail				6	6													
Length (m)			99.000					-										
Current Stand		N)	No					None @) SE	∃; not q	uite a	a PL2 standa	rd.					
Termination T	уре		Turn Do	own														
Drainage						3	7	Repaire	ed.									
Approach Road	d Gene	eral Ratin	g			7	7											

Superstructure											
Bridge Com	ponent			Last	Now	Explanation of Condition					
(Primary Spa	an : PO, 4 Spa	ans, Lengths	(m): 18.3-23.8-	27.4-26	5.5, A-Io	dent Number:)					
Special Feat	ures										
Special Feat	ure				Х						
(Type :)											
Special Feat	ure				Х						
(Type :)											
	ace/Deck Top	o Detail Ratin	as								
	N (%)										
Last	0	0	0	3 (%) 0							
Now	0.0	0.0	0.0	C).0						
Wearing Surface					7						
		FTE - CONV	ENTIONAL CH	7 IIP SEA							
COAT)					· 	_					
(Thickness	(mm) : 50)					_					
Lateral Conn (Y/N)	ection Proble	m No									
Deck Top				N	N						
Deck Rideab	ility			7	7						
Deck Joints				3	3	P3 W end leaking @ SE corner onto pier seat.					
Temperatu	re (deg. C)	9				No joints at either abutment. Jnts leak above all gutters.					
(Expansion	Type : GLAN	ND (WABO-N	AUER, TRANS	SFLEX,	ETC))	P1 jnt missing gland & left at NW sideslope.					
(Fixed Type	e : WATER S	TOP)									
Gap Size (ı	mm)	Gap	Location								
62		N. p	ier								
57		Cen	ter								
64 S. pier											
						_					
Deck Drainag	70			3	3	Jnts leak onto girders, substructure & bearings.					
Drains Clog	•	No		5	5	Minor erosion channels down hslps.					
Curbs/Media		INU		4	4	Delam spall with rust staining SW curb. Heavy scaling East side					
	: Standard)			4	4	South span.					
	ercent Area)	1				- Spalls Ė curb, S1 - minor.					
	acent Alea)			6	6	Potrofit roll installed but suprefroit pot included at CE					
Bridge Rail				6	6	Retrofit rail installed but guardrail not included at SE. Minor bents in vertical @ #4 from NW - no action.					
	LVANIZED S	ICCL VERI	GAL DAK)	F	F	1/4 to 1/3 less than full bolt into nut, 2 @ East & 4 @ W.					
Bridge Rail P (Type : GA		OST STEEL;	GALVANIZED	5 POST	5	1/4 to 1/3 less than full doit into hut, 2 @ East & 4 @ W.					
STEEL)					5	Few rusty bars 1st panel NE.					
Bridge Rail/Posts Coating (Type : GALVANIZED)					Э						
	LVANIZED)			V	v						
Sidewalk				X	X						
Girder Detail											
	N (count)	1 (count)	2 (count)	3 (cou	unt)	-					
Last	0	0	0		0	_					
Now	0	0	0		1						

			Supers	tructure				
Bridge Component		Last		Explanation of Condition				
(Primary Span : PO, 4 Spans, L	engths(m): 18.3-23.8-2	27.4-26	5, A-Id	lent Number:)				
Girders		4	3					
Cracking (Y/N)	Yes							
Spalling (Percent Area)	1							
(Number Of Girders : 26)				S4G6 has narrow longit. cracks from transition section to web 1.8m				
(long (staggered intermittent).				
		1		Fascia girder ends have rust stains & some shallow delam cracks.				
Diaphragms/Cross Frame		4	3	18 bolts & spacer plates missing at mids on diaphragms. 20% superficial corrosion.				
				Diaphragm spall at G3G4 above P1.				
Bearings		4	4	Bent A/B at S3/S4 G1 over P3.				
Temperature (deg. C)	9			Some minor chipping at shoe plates - monitor both.				
(Expansion Type : STEEL SLI PLATE IN BETWEEN)		BRONZ	Έ					
(Fixed Type : PINNED BEARI	NG)			Corrosion pitting on ext abutment bearings & pier bearings 90%.				
Coating Adequate (Y/N)	No			on osion plaing on ext abaument bearings α plet bearings 30%.				
Functioning (Y/N)	No							
Deck Underside		7	7	Form work from patching left attached S2.				
Stains (Percent Area)	0							
Span Alignment Problems								
Vertical (Y/N)	No							
Horizontal (Y/N)	No							
Superstructure General Rating	-	4	3					
Superstructure General Rating		4						
Dridge Component		Leet		ructure				
Bridge Component Abutments		Last	Now	Explanation of Condition				
Bearing Seats/Caps		7	7					
(Type : CONCRETE)		1	,					
Backwalls/Breastwalls		7	7					
Dackwalls/Dieastwalls		· ·	· '					
Wingwalls		7	7					
Piles		N	N					
Paint/Coating		Х	Х					
Abutment Stability		7	7					
Scour/Erosion		3	5	Erosion gully at SE has been filled but still subject to erosion & settlement.				
Piers/Bents								
(Type : PIER-COLUMN)				Corrosion stains, surface spalls & delamination cracks on North pier				
Bearing Seats/Caps		5	4	cap & center pier cap, minor. Vertical cracks in center & South pier base 1 to 1.5mm wide.				
(Type : CONCRETE)								
(Total Number of Bearing Piles :	0:0:0)							
Pier Shaft/Piles	,	6	6					
Bracing/Struts/Sheathing			X					
Nose Plate		5	5					
Paint/Coating		4	4	90% corrosion with pitting on nose plate - monitor.				
(Colour Description :)								
(Colour Code :)								
Pier Stability		7	7					
, <u> </u>								

Alberta Transportation

			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Scour			6	
Debris (Y/N)	I) Yes			Drift on P1 & 2 base.
Substructure General Rating		5	4	
		S	Structu	re Usage
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment			7	
Bank Stability	Bank Stability			
HWM (m below Top of Curb)				HWM above nose plates.
Drift (Y/N)	Yes			Large drift on P1-2 bases.
Slope Protection		6	6	Riprap at NW bank @ pier only, Class 1/2.
(Type : NATURAL; NATURA	L)			
Guidebank/Spurs		X	Х	
Adequacy of Opening			8	
(Fish Compensation Measure 1	: NONE)	-		
(Fish Compensation Measure 2	: NONE)			
Channel General Rating			6	

				Maintenance	Recommend	lations					
Inspector Recommendations		Year	Inspecto	r Comments		Department Com	Target Year	Est. Cost	Cat #		
REPAIR/REPLACE BRIDGE RAIL											
GALVANIZE/PAINT BRIDGE RAIL											
SEAL CURBS		2012	Patch sp	alled areas, SE curb.							
PATCH DECK											
SEAL DECK											
OVERLAY DECK											
REPAIR/REPLACE DECK JOINTS	4	2012	Reinstall Investiga repair.	gland in P1. te which glands are active	ely leaking &						
RESET/ PAINT BEARINGS		2012	Paint bea	arings.							
WASHING											
SHOTCRETE REPAIRS											
REPAIR ABUTMENT SCOUR/EROSI	NC										
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION	2	2012	Remove	drift.							
OTHER ACTION	2	2012	Remove glands from sideslope.								
OTHER ACTION	2	2012	Repair delams & spalls.								
OTHER ACTION	2	2012	Add bolts & spacer plates at diaphragms.								
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/No. (%)	ow) +	50.0/38.	9	Sufficiency Rating (Las (%)	st/Now)	57.4/50.4	7.4/50.4 Est. Repl. Yr 2042		Maint. Reqd. (Y/N)		Yes
Special Comments for Next Inspection Monitor girder crack Hslps previously rep drainage issues.	ting with baired wit	measure th drains	ements. s added af	each corner to address o	deck	Department Comments					
Maintenance Reviewed By						Date		E	Estimated Total	0	
Proposed Long-Term Strategy	2008.01	1.29 Reh	hab or repl	ace in 2040. QE2 six lani	ng will probal	y drive replacemen	t/widening sooner				
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name Owen		Salava			Previous	us Assistant's Name					
Next Inspection Date	18-Jul-2	2014			Previous	Inspection Date 14-Sep-2011					
Inspection Cycle (Default) (months)	21										
Comment											