						Bridge	e Insp	ection						
Bridge File Num	ber	73429	-1 Bridge					orm Type)		SG			
Year Built/Year		1967/1	967				Lo	ot No.			1			
Supstr							— In	spector I	Name		Owen Salav	⁄a		
Bridge or Town	Name						— In	spector (Class		BR CLS A			
Located Over			RIVER, 6.	180, WA	TERCRS	-81	A	ssistant N	Name					
Located On		11:04 (C1 0.070				A:	ssistant (Class					
Water Body Cl./							— In	spection	Date		08-Feb-201	2		
Navigabil. Cl./Ye							D	ata Entry	Ву Ву		Marcia Cha	vez		
Legal Land Loca			C 10 TWP		18 W5M		D	ata Entry	Date		01-Mar-201	2		
Longitude, Latitu	ıde		8:50, 52:10				-R	eviewer l	Name		John O'Brie	n		
Road Authority			Transport	ation (Al	T)		-R	eview Da	ate		22-Feb-201	2		
Contract Main. A		CMA18					D	ept. Revi	ewer N	Name	Andrew Sm	ikles		
Clear Roadway/Skew 9.1 / 0 deg. AADT/Year 840 / 2010 (A)						_ D	ept. Revi	ew Da	te	21-Mar-201	2			
AADT/Year 840 / 2010 (A)						— Fo	Follow-Up By							
	Road Classification RAU-213.4-120													
	Detour Length (km) 300													
Allowable Load	Allowable Load (t): Single CS1 40 Sem			Semi	CS2 49			Train	CS	33 65> On Critical RDER> Critical Mer		cal Spans Jember		
Design Loading: GIRDER HS20				GIR			<u> </u>		> Primary					
Design Loading: HS20				Postino	Info	rmation					> i iiiiai y	Оран		
Required Load Posting (t) Single							Semi				Truc	k Train		
Posted Loading (t) Single Single						Semi					ruck Train			
Posted:				tion (Y/N) No					ridge (Y/N)	No			
									No	3 3 (1)		No		
Posted: Lane WB At Junction (Remarks Not required.			()	, , -		In Advance (Y/N) No At Bridge (Y/N)		- 3 - (-)						
Hazard Marker		•	Yes											
Remarks		9- ()	Too low	/.										
Other Sign Type	 S				rmation,	slipperv.	narro	ow bridge						
3 7				,	,			ated at)						
Utility Attachments TELEPHONE UTILITIES-PHONE					ONE LIN	E; POW	ER U	TILITIES	S-POW	ER LI	NE			
Telephone Steel conduit under deck. Between G3 8				en G3 & (G4 lengt		as							
of bridge.						unicipal								
Others							-P	Problem (Y/N) No						
	Rotwo	tugon C2 9 C4 longth of bridge			10									
Remarks Between G3 & G4 length of bridge. Approach Road														
					La			Explanation of Condition						
Horizontal Align	ment					6 6		Crest curve to the west. Sag curve to the east. No passing.						
Vertical Alignme						6 6					9 9		- F	J
Roadway Width			12.400											
Approach Bump						5 5	M	inor bum	p at ea	ach er	nd.			
Guardrail (Y/N)			Yes					inor dam	ages to	o rail a	at S end.			
Guardrail						5 5	-	reased in	sever	al pla	ces, function	al.		
Length (m)			91.200											
Current Stand	ard (Y/	N)	No						ed to b	ridge;	improper po	st spa	cing @ bridge	e; not thrie
Termination T	,	,	Turn Do	own			D6	eam.						
Drainage	, r -		. 3 5			7 7	G	ap betwe	en cur	b and	approach sla	ab at a	all corners.	
Approach Road	d Gene	ral Rat	ing			6 6		2.101010			C. T. C. INL	a.a.ii	၁૫५/10.	

				Supers	tructure		
Bridge Component			Last		Explanation of Condition		
(Primary Span : WG, 3 Spans, Lo	engths(m):	: 34.7-51.8-	27.7, A				
Special Features							
Special Feature				Х	Viewed from ground with binoculars, appears to be moving. Viewed		
(Type:)					from curb. Hanger and pins require snooper for access.		
Hinge			5	5			
(Hinge Type : PIN HANGER)							
Wearing Surface/Deck Top Detai	l Ratings						
N (%) 1 (%		(%)	3 (%)				
Last							
Now 0.0	0.0	0.0	C	0.0			
Wearing Surface			6	5	Chip seal missing in patches. (Concrete on approach slabs cracking.		
(Material Type : CONCRETE -	CONVENT	IONAL CHI	P SEA	L	28/July/2007). Delaminated areas along W curb.		
COAT)					- Detailinated areas along W Curb.		
(Thickness(mm) : 50)				_			
Deck Top			N	N			
D. J. D. J. 199				_			
Deck Rideability			5	5	Rough ride across entire bridge.		
Deck Joints			7	7	Chips were left in the joints.		
Temperature (deg. C)	-6				, super mare term and j ermen		
(Expansion Type : FINGER PL							
(Fixed Type : GLAND (WABO-		RANSFLE	(. ETC))			
Gap Size (mm)	Gap Loca		., ,	,,			
75	•	utment - fix	ed - ala	and			
120		er - exp - fin					
78		er - fixed - g	_				
73		outment - fix		and			
				-			
Deck Drainage	'		7	7	Drains to North abutment.		
Drains Clogged (Y/N)	No						
Curbs/Median	<u> </u>		6	6	Two spalls on E curb face, minor and from curb face at NW corner.		
(Curb Type : Standard)					,		
Scaling (Percent Area)	1						
Bridge Rail			7	7			
(Type : GALVANIZED STEEL	VERTICAL	BAR)			10-15% post grout pad delam/spalled - photo. Approx. 5% post A/B		
Bridge Rail Posts			4	4	have insufficient threads.		
(Type : GALVANIZED POST S	TEEL:GAL	VANIZED					
STEEL)	,,						
Bridge Rail/Posts Coating			7	7			
(Type : GALVANIZED)							
Sidewalk			X	X			
Girder/Beam							
Cover Plate			7	X	Viewed from ground with binoculars, appears good.		
			5	5	Girders bottom flange is twisted slightly with minor undulations &		
Flange Web			7	7	sag.		
Stiffeners			7				
			7	7	Bird dropping accumulating on bottom flange splice locations, inside & outside.		
Splice Weld			7	7	- 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		
Diaphragms/Cross Frame			7	7			
nannanns/Lines Frame			1	/	I and the second		

			Supers	tructure
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : WG, 3 Spans, L	engths(m): 34.7-51.8-			
Paint Condition	· · ·	5	5	Some peeling on bottom flange.
(Colour Description :)				
(Colour Code :)				Blue.
Touchup Required (Y/N)	Yes			
Bearings		5	5	One interior bearing @ S abut covered with rock/grass debris -
Temperature (deg. C)	-6			photo. S1G3. S3G2, G3 bearings covered with grass/twig debris -
(Expansion Type : STEEL SLII PLATE IN BETWEEN)	DING PLATES WITH I	BRONZ	ĽΕ	photo.
(Fixed Type : PINNED BEARIN	IG)			
Coating Adequate (Y/N)	No			Bearings rusty. SE bearing A/B missing top nut (2).
Functioning (Y/N)	Yes			
Deck Underside		5	5	4 shallow delams on SW soffit.
Stains (Percent Area)	1		_	
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		5	5	
			Oud-of	
Pridge Component		Last	Now	ructure Explanation of Condition
Bridge Component Abutments		Last	INOW	Explanation of Condition
Bearing Seats/Caps		7	7	Gravel buildup at abutment #1 and debris at abutment #2.
(Type : CONCRETE)		<u> </u>		Oraver buildup at abutment #1 and debns at abutment #2.
Backwalls/Breastwalls		5	5	
backwalls/bleastwalls		3	3	
Wingwalls		6	6	
Piles		N	N	
Paint/Coating		Х	X	
Abutment Stability		7	7	
Scour/Erosion		7	7	
Piers/Bents				
(Type : PIER-SOLID)				Hanger and pins require snooper for access.
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles :	0:0)			Single shafts.
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		Х	X	
Nose Plate		Х	Х	
Paint/Coating		Х	Х	
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		7	7	
Debris (Y/N)	No			

			ructure	
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		7	7	
		S	Structu	re Usage
			Now	Explanation of Condition
Channel				
(U/S Direction: W)				Slight meander U/S left bend to D/S into dam. Solid rock throughout.
(D/S Direction : E)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Yes			
Slope Protection		7	7	
(Type: NATURAL; NATURAL)			
Guidebank/Spurs		Х	X	
Adequacy of Opening		9	9	
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		7	7	

Alberta Transportation

	-	Maintenance Recommendations	Idations		-	-	
Inspector Recommendations	Year	Inspector Comments	Department Comments	nments	Target Year	ear Est. Cost	st Cat#
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS	2012	Patch spalled curbs & seal.					
PATCH DECK							
SEAL DECK							
OVERLAY DECK	2012	Redo chip seal.					
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING	2012	Wash & remove debris on S1G3, S3G2/G3 abutment bearings.					
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2012	Patch spalled South approach/roof slab NB. If not done.					
OTHER ACTION	2012	Patch deterioratred drain troughs at NW & NE.					
OTHER ACTION	2012	Upgrade approach rail to meet standard.					
OTHER ACTION	2012	Clean bottom flange splice locations (15).					
OTHER ACTION	2012	Level 2 inspection of hanger/pins with snooper.	ر. ا				
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	54.0/54.0	Est. Repl. Yr	2038 Mair	Maint. Reqd. (Y/N)	Yes
Special (Lvl 2 inspection of hang Comments for 23Jun 1996). Schedule for the comments for t	ger & piers i or next insp	(Lvl 2 inspection of hanger & piers required every 2nd inspection, 42mths. 23Jun1996). Schedule for next inspection.	Department Comments				
Maintenance Reviewed By			Date		Estimated Total	Total 0	
Proposed Long-Term Strategy Chi	ip seal place	Chip seal placed in 2007. CSE still rising. Deck should be ok until 2016 (rehab before corrosion reaches reinforcement level). RS	ntil 2016 (rehab bet	ore corrosion reaches	reinforcement le	evel). RS	
On 3-Year Program (Y/N)							
Proposed Action Dat	ta suggests	Data suggests that transverse cracks which were repaired are failing and allowing corrosion to re-establish. Check next CSE for trend. RS	failing and allowing	corrosion to re-establ	ish. Check next (SSE for trend.	RS

Alberta Transportation

Previous Inspector's Name	Owen Salava	Previous Assistant's Name	
Next Inspection Date	08-Nov-2013	Previous Inspection Date	05-May-2010
Inspection Cycle (Default) (months) 21	21		
Comment			

		Maintenance Recommend	lations					
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	2012	Patch spalled curbs & seal.	At next rehab			2015		
PATCH DECK								
SEAL DECK								
OVERLAY DECK	2012	Redo chip seal.	At next rehab			2015		
REPAIR/REPLACE DECK JOINTS								
RESET/ PAINT BEARINGS								
REPAINT SUPERSTRUCTURE								
STRAIGHTEN/REPLACE MEMBERS								
WASHING	2012	Wash & remove debris on S1G3, S3G2/G3 abutment bearings.	To Operations					
SHOTCRETE REPAIRS								
REPAIR ABUTMENT SCOUR/EROSION								
PLACE ADDITIONAL RIP RAP								
REMOVE DRIFT ACCUMULATION								
OTHER ACTION	2012	Patch spalled South approach/roof slab NB. If not done.	At next rehab			2015		
OTHER ACTION	2012	Patch deterioratred drain troughs at NW & NE.	At next rehab			2015		
OTHER ACTION	2012	Upgrade approach rail to meet standard.	To Operations					
OTHER ACTION	2012	Clean bottom flange splice locations (15).	At next rehab			2015		
OTHER ACTION	2012	Level 2 inspection of hanger/pins with snooper.	Defer					
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
Structural Condition Rating (Last/Now) (%)	66.7/66	.7 Sufficiency Rating (Last/Now) (%)	54.0/54.0	Est. Repl. Yr	2038	Maint. Re	eqd. (Y/N)	Yes

Special (Lvl 2 Comments for Next Inspection	inspection of 1996). Sched	hanger & piers required every 2nd inspection, 42mth lule for next inspection.	Department Comments	Currently programmed for b	ridge deck rehab in 2015.				
Maintenance Reviewed	Ву	Andrew Smikles	Date	30-Oct-2012	Estimated Total 0				
Proposed Long-Term Strategy		Chip seal placed in 2007. CSE still rising. Deck should be ok until 2016 (rehab before corrosion reaches reinforcement level). RS							
On 3-Year Program (Y/N)		Υ							
Proposed Action		Data suggests that transverse cracks which were re	paired are failing and allo	owing corrosion to re-establish	h. Check next CSE for trend. RS				
Previous Inspector's Name		Owen Salava	Previous Assistant's Nar	ne					
Next Inspection Date		08-Nov-2013	Previous Inspection Date	e 05-May-2010					
Inspection Cycle (Defau	lt) (months)	21							
Comment									