							Bridge	Inspe	ction							
Bridge File Nun	nber	00599 -1 Bridge						For	Form Type Tł			ТН				
Year Built/Year		1924/1924						Lot	No.			1				
Supstr								Ins	Inspector Name			Jason Rusu				
Bridge or Town								Ins	Inspector Class			BR CLS A				
Located Over		HIGI ST	HWOOD RIVE	ER, 2.1	3.27, W	VATE	RCRS-	Ass	Assistant Name							
Located On		552:	02 C1 12.453						Assistant Class							
Water Body Cl.	/Year								pection			02-Mar-2013				
Navigabil. Cl./Y	ear							Dat	Data Entry By			Lauren Korte				
Legal Land Loc	ation	NE S	SEC 16 TWP	21 RGE	E 28 W	4M		Dat	Data Entry Date			22-Mar-2013				
Longitude, Latit	ude	-113	:49:18, 50:47:	:02					viewer N			Garry Rober	s			
Road Authority		Albe	rta Transporta	ation (A	IT)			Rev	view Da	te		07-Mar-2013				
Contract Main.	Area	CMA	\ 27					· · ·	ot. Revie			Tim Davies				
Clear Roadway	/Skew	5/							ot. Revie		;	25-Mar-2013				
AADT/Year		3,30	0 / 2011 (A)					Foll	low-Up	By						
Road Classifica	ition	RCL	J-209-110													
Detour Length ((km)	26														
Allowable Load	(t): Sir	gle	H 27 STRINGER		Sem		S 41 2L3			Train	CS	3 47		> On Critical Spans >Critical Member		
Design Loading	:		HS20											> Primary Span		
						P	osting	Inforr	nation							
Required Vert.	Clearar	nce P	osting (m)													
Posted Vertical	Cleara	nce (`	Y/N)	Yes												
Posted: Lane	EB	C	On Bridge (m)	4.6	In Adv	ance	(Y/N)	Yes	Lane	WB	0	n Bridge (m)	4.6	In Advanc	e (Y/N) Yes	
Remarks																
Required Load	Posting	(t)		Single			28		Semi		42	Truck Train 4		47		
Posted Loading	(t)			Single					Semi		42.0	Truck Train		46.0		
Posted:	Lane	E	B	At Junction (Y/N)		Y/N)	Yes		In Advance (Y/N)		Yes	At Br	ridge (Y/N)	Yes		
Posted:	Lane	V	VB	At Junction (Y/N)		Yes		In Advance (Y/N)		/N)	Yes	At Br	ridge (Y/N)	No		
Remarks	Drove	East	past 3 interse	ections	- Can't	confir	m WB	@ juno	ction.							
Hazard Marker	At Brid	ge (Y	/N) Yes													
Remarks																
Other Sign Type	es		65 km/h	nr. Narr	ow brid	lge, st	op for o	oncom	ning traff	ic. NE I	ane.					
						Ut	tilities	(Loca	ted at)							
Jtility Attachme	nts T	ELEF	HONE UTILI	TIES-P	HONE	LINE										
Felephone	Conn	ected	to stringer Sc	outh sid	e.			Gas	Gas 120.0 m East.							
Power	22.0 r	n Eas	st of East abut					Mu	Municipal							
Others	S R/V	/ & 1\	N 50m West.					Pro	Problem (Y/N) No							
Remarks	Water	gua	ge stn under s	pan 1												
							Appro									
						Last			Explanation of Condition							
Horizontal Aligr						4	4		Intersection 100 m East- curves to West. West.							
Vertical Alignme	ent					4	4	Wir	Winding grade down to the bridge. Speed must be reduced to prepare for possible oncoming traffic				ning traffic.			
Roadway Width	n (m)		9.000					Pat	ched.							
Approach Bump	0					6	6	_								
Guardrail (Y/N) Yes			Yes					Mo	derate t	o heavy	corr	osion at 50%	of ra	il.		
Guardrail (Y/N)	Guardrail					4	4									
									Not thrie beam. Wrong lap at NE and SE. Missing splice bolts.							
			26.700					_	Jing lap							
Guardrail	lard (Y/	N)	26.700 No						Jing lap		na o	g op	100 0			
Guardrail Length (m)		N)		DOWN			_									

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

				ļ	Approa	ich Road
				Last	Now	Explanation of Condition
Approach R	oad General I	Rating		4	4	
					Supers	structure
Bridge Com	ponent			1		Explanation of Condition
(Primary Spa	an : TH, 2 Spa i	ns, Lengths	(m): 61-61, A-I	dent Nu	mber:	A0075-01;A0075-02)
Special Feat	tures				_	
Special Feat	ure				X	
(Type :)						
Special Feat	ure				X	
(Type :)						
Wearing Sur	face/Deck Top	Detail Ratin	gs			
	N (%)	1 (%)	2 (%)	3 (%)		_
Last	0	0	0		0	
Now	0.0	0.0	0.0	0	.0	
Wearing Sur	face/Deck Top			4	5	Damaged planks have been replaced/repaired.
(Material T	ype : UNTREA		R)			_
(Plank Thio	ckness(mm) : 7	'5)				_
(Plank Wid	lth(mm) : 250)					
Deck Rideab	oility			5	5	
Deck Joints				X	X	
Temperatu	re (deg. C)					
(Expansior	n Type :)					
(Fixed Typ	e:)					
Gap Size (mm)	Gap	Location			
						_
Curbs/Whee				3	5	Damaged WG's have been repaired/replaced.
	e : Standard)					-
	EATED TIMBE	ER)				-
	(mm) : 100)					-
(Width(mm	i) : 300)				1	
Bridge Rail				4	4	Incorrect laps missing 8 bolts @ each splice.
	EX BEAM)					-
	Posts/Blocking			5	5	-
	LVANIZED PO	DST STEEL)				Guardrail is rusting-50% superficial.
	Posts Coating			4	4	-
(Type :)						
Sidewalk				X	X	

			Supers	structure				
Bridge Component		Last		Explanation of Condition				
(Primary Span : TH, 2 Spans, Length	s(m): 61-61, A-	Ident Nu		•				
Wide Load Damage (Y/N) Yes				See UT report for details.				
High Load Damage (Y/N) Yes								
Top Chord		7	7	-				
Batter Posts		7	7	-				
Sway Bracings		6	6	-				
Diagonals		4	4					
Verticals		4	4					
Portals		3	3	Wide Load damage-25mm distortion at S2 U4L5 South truss. S1U9U9 & S2U1U1, S2U9U9 - bottom flanges torn and cracked @				
Connections		3	3	Holes, bends up to 40mm				
Floor Beams		6	6	3 broken Hanger bolts @ S2 Bays 1, 2, 9 loos @ S1 bay 3				
Bottom Chord		6	6	-				
(No. of Stringers : 13;13)		0	0					
Stringer Detail Ratings				- 13/bay x 20				
N (count) 1 (count)	2 (count)	3 (cou	int)	-				
Last			<i></i>	-				
Now				-				
Stringers		6	6	6 lines of unpainted strengthen stringers 250 x 120.				
(Type : STEEL)			Ű					
(Width(mm) : 130)				-				
(Depth(mm) : 310)				-				
(Spacing(mm) : 432)				-				
Paint Condition		3	2	FOO(correction at an lack more				
		3	3	50% corrosion at splash zone. Corrosion is worst on span 2 as salt gets tracked onto the bridge.				
(Colour Description :)								
(Colour Code :)				-				
Touchup Required (Y/N) No								
Bearings		5	5	Over expanded 75 mm @ A1 15mm @ A2. Truss jammed tight to backwalls.				
Temperature (deg. C)5								
(Expansion Type : ROLLER BEARI	,			At abutments.				
(Fixed Type : REINFORCED NEOP TEFLON AND STAINLESS STEEL		G WITH						
Functioning (Y/N) Yes			1					
Sub Deck/Deck Underside		5	5	300 & 250 mix.				
(Material Type : TREATED TIMBER	2)							
(Plank Thickness(mm) : 100)								
(Plank Width(mm) : 250)								
Defects (Percent Area) 2								
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		_401						
(Extended Backwall Piles (Y/N) : N)								
(Extended Backwall Piles Spacing(n	ama) .)			Tie wires between A1 front and back row of piles drooping due to no interpile blocking				

					Subst	ructure					
Bridge Com	ponent			Last	Now	Explanation of Condition					
	er of Caps/Co	orbels : 6:6)				Concrete on 4-250mm HP piles at West.					
		els Detail Rati	ngs			7 caps at A2. T.T caps no longer load boaring.					
	N (count)	1 (count)	2 (count)	3 (co	unt)	3 steel corbels on steel caps at A2. T.T. top cap is split at North end.					
Last	0	0	0	0							
Now	0	0	0		0						
Bearing Seat	ts/Caps/Corbe	els		7	7						
(Type : ST I											
(Depth(mm	· · · · · · · · · · · · · · · · · · ·										
(Width(mm	· · · · · · · · · · · · · · · · · · ·										
Backwalls/Breastwalls					4	Breast wall & backwall sheeting, not low enough at West abut.					
Greatest H		3.50		4							
Wingwalls		0.00		5	5						
Wingwalls											
(Total Numbe	er of Bearing	Piles : 9:9)				4 H-piles and 8 T.T. piles at A1.					
Piles Detail F	Ratings					9 T.T. piles at A2. Front T.T. caps and piles no longer carry load at both abuts.					
	N (count)	1 (count)	2 (count)	3 (co	unt)						
Last	0	0	0		0						
Now	0	0	0		0						
Piles				5	5						
Paint/Coating	Paint/Coating										
Abutment Sta	ability			5	5						
Scour/Erosion					6						
Piers/Bents											
(Type : PIE	R-SOLID)										
(Total Numbe	er of Caps/Co	orbels : 1)									
Bearing Seat	ts/Caps/Corbe	els Detail Rati	ngs								
	N (count)	1 (count)	2 (count)	3 (co	unt)						
Last	0	0	0		0						
Now	0	0	0		0						
Bearing Seat	ts/Caps/Corbe	els		7	7						
(Type : CO	•					1					
	er of Bearing	Piles : 0)									
Piles Detail F		,				1					
	N (count)	1 (count)	2 (count)	3 (co	unt)	1					
Last	0	0	0		0	1					
Now	0	0	0		0	1					
Pier Shaft/Pi	-			7	7	1					
Greatest H		15.60									
Bracing/Strut	- · ·	10.00		X	X						
Nose Plate				6	6						
					5	Primer still intact.					
Paint/Coating (Colour Description :)					5						
(Colour De						-					
Pier Stability	· · · · · · · · · · · · · · · · · · ·			7	7						
Scour				5	5	Minor scour at base.					
Debris (Y/N)		No									

			ructure					
Bridge Component	Bridge Component L			Explanation of Condition				
Substructure General Rating		5	5	、 、				
				re Usage Explanation of Condition				
Channel		Lasi	NOW					
(U/S Direction : S)								
(D/S Direction : N)								
Alignment		7	7					
Bank Stability								
-	1							
HWM (m below Top of Curb)	9.0			(Top if deck to top of water 16.3 m) 94/08/04				
Drift (Y/N)	Yes		1	Minor drift at West headslope.				
Slope Protection		7	7	Concrete at West- shale at East.				
(Type :)								
Guidebank/Spurs		Х	X					
			-					
Adequacy of Opening		8	8					
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		7	7					

Alberta Transportation

			Maintenance Reco	ommend	ations					
Inspector Recommendations	Year	Inspector	Comments		Department Com	ments		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL	2015	Reset spl missing s	lice lap. Drill holes and install plice locations	bolts at						
RETROFIT BRIDGE RAIL										
SEAL CURBS										
PATCH DECK										
SEAL DECK										
OVERLAY DECK										
REPLACE STRIP DECK	2015									
REPLACE SUB DECK										
RESET/ PAINT BEARINGS										
REPAINT SUPERSTRUCTURE	2015	Recomm replacem	end paint assessment or bridgent due to narrow width.	ge						
STRAIGHTEN/REPLACE MEMBERS	2015	Replace 2	2 portals.							
WASHING										
SHOTCRETE REPAIRS										
CORE TIMBER CAPS/CORBELS										
REPAIR/REPLACE TIMBER CAPS										
REPAIR ABUTMENT SCOUR/EROSION	N									
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
OTHER ACTION	2013	Assess for	or major repairs vs. replaceme	ent.						
OTHER ACTION	2015	Replace a standards	all guardrails to meet current s.							
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/Nov (%)	v) 44.4/44.		Sufficiency Rating (Last/No (%)	ow) 3	80.5/23.0	Est. Repl. Yr	2023	Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection	·				Department Comments			·		
Maintenance Reviewed By					Date		E	stimated Total	0	
Proposed Long-Term Strategy					· · · · ·					
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Sarry Roberts		P	Previous Assistant's Name						
	2-Jun-2016				nspection Date	28-Sep-2009				
Inspection Cycle (Default) (months) 3										

Comment