							Bridge I	nspec	ction							
Bridge File Number 07622 -1 Bridge									Form Type			PCS				
Year Built/Year 1965/1965							Lot N	Lot No.			2					
Supstr							Insp	Inspector Name			Kris Bosters					
Bridge or Town Name DARWELL								Inspector Class			BR CLS A					
Located Over			ON RIVE	R, 6.65	, WAII	=RCI	RS-ST	Assistant Name			Brian Cote					
Located On		765:02 C	1 11.140					Assistant Class								
Water Body Cl./Year								Inspection Date			20-Jul-2012					
Navigabil. Cl./Ye								Data	Data Entry By Theresa Lacusta							
Legal Land Location NW SEC 19 TWP 54 RGE 4 W5					VI		Data Entry Date 13-Aug-2012									
Longitude, Latitu	ıde		29, 53:41: -					Revi	Reviewer Name Eric Carcoux							
Road Authority			ransporta	ation (Al	1)			Revi	iew Dat	te		31-Jul-2012				
Contract Main. A		CMA12						Dept	t. Revie	ewer Na	ame	Brent Herric	k			
Clear Roadway/	Skew	9.1 /						Dept	t. Revie	w Date	)	16-Aug-201	2			
AADT/Year		540 / 201	. ,					Follo	w-Up I	Зу						
Road Classificat		RCU-209	9-110					-								
Detour Length (I		10					00.40			<b>.</b> .	00	33 65 RDER		0.0:::	1.0	
Allowable Load	(t): Sin	ngle   CS1   GIR	DER		Semi		S2 49 IRDER			Train				> On Critical Spans >Critical Member		
Design Loading:		HS2	20											> Primary Span		
						Р	osting I	nform	ation							
Required Load F	Posting	(t)		Single				:	Semi			Tr		k Train		
Posted Loading	sted Loading (t)							:	Semi			Truck Train				
Posted:	Lane	NB		At Junc	tion (Y	Y/N) No			In Advance (Y/N)		No	At Bridge (Y/N)		No		
Posted:	Lane	SB		At Junc	tion (Y	/N)	No		In Adva	ance (Y	/N)	No	At Bridge (Y/N)		No	
Remarks																
Hazard Marker	At Brid	ge (Y/N)	Yes													
Remarks																
Other Sign Type	s		File tag	on NW a	abutme	ent c	ар.									
							tilities (l	Locate	ed at)							
Utility Attachme	nts T	ELEPHO	NE UTILI	ΓΙΕS-PH	ONE L	INE										
Telephone	In cor	nduit on W	est outsid	de girder				Gas								
Power									icipal							
Others								Problem (Y/N) Yes								
Remarks	Broke	n conduit	@ SW co	orner - pl	hoto.											
						14		ach Road								
Horizontal Alica	mont					Last		Explanation of Condition  Curve 200m North. Looking North.								
Horizontal Align						6	7	Curv	/e 200N	ιι ΙΝΟΓίΠ	. LU	JAIIY NOITI.				
Vertical Alignme			0.200			7	/									
Roadway Width			9.200			7	7									
Approach Bump			Voc			- /	/	Dom	2222 -	oil ot T	D 0"	ad at CIM atil	l funct	ioning, - photo		
Guardrail (Y/N) Yes				4	5	Dain	iaged f	an at 1.	er ט.	iu ai SVV, Stil	i iunct	ioning, - photo	J			
Guardrail					4	J										
Length (m) 15.200																
Current Standard (Y/N) Yes  Termination Type Turn Down																
Termination T	ype		Turri DC	74411		7	7									
Approach Road General Rating					6	6										

				9	Supers	tructure					
Bridge Com	ponent			Last		Explanation of Condition					
		ns, Lengths(	m): 6.1-8.5-6.1			•					
Special Feat		•	,	•							
Special Feat	ure				Х						
(Type:)											
Special Feat	ure				Х						
(Type:)											
Wearing Surf	face/Deck Top	Detail Rating	IS .								
	N (%)	1 (%)	2 (%)	3 (%)							
Last											
Now											
Wearing Sur	face			4	4	Asphalt overlay. Crack in ACP over abutment/pier joints, hole in ACP					
(Material T	ype : <b>ACP</b> )					over P1 NBL - photo. ACP stops 0.4m from curb .					
(Thickness	(mm) : <b>50</b> )					Longitudinal cracking in ACP at girder joint between G8, G9, G10 in					
Lateral Conn (Y/N)	ection Probler	n No				S2, S3.					
Deck Top				4	N						
Deck Rideab	ility			7	7	Potholes on deck at 3 spots Patched					
Deck Joints				N	N	Paved over.					
Bump (Y/N		Yes									
Deck Draina				6	6						
Drains Clo	gged (Y/N)	Yes									
Curbs/Media				4	6	New curb girders on S2.					
	: Standard)										
	ercent Area)	1									
Bridge Rail				4	6	Double layer. Minor spall around anchor bolts on West curb.					
` • •	LVANIZED S	TEEL FLEX E	BEAM)		_						
Bridge Rail F				4	5						
STEEL)		OST STEEL;	GALVANIZED		I						
	Posts Coating			7	7						
	LVANIZED)			1							
Sidewalk				X	X						
Girder Detail	Ratings										
Jiidoi Botaii	N (count)	1 (count)	2 (count)	3 (cou	int)	S1 (G10,G11) S2 (G7,G9,G10) S3 (G6) all have spans or wide					
Last	(	(3.22)	(3.23.11)	(350	,	cracks in anchor zone but G11 is curb unit.					
Now	11	0	0		0						
Girders				4	4	Drift pin popout in 4 girder ends North abutment. Span 1 G2,G6,G7,					
Last Comple	te Inspection [	Date 20-Jul	-2012			G9 has wide crack in two leg in outside AZ. Insufficient girder bearing at P1. S2 viewed from S1 & S3. Wide crack in AZ one leg					
Cracking (	· ·	Yes				G10 S2.					
	ercent Area)	2				Spall outside AZ one leg G10, G7,G1 on S2. S2G7/G9/G10, S3G6 all have spall in AZ 1 leg photo #5. In one leg.					
Lift or Connector Pocket Yes Grouted (Y/N)						All sound concrete confirmed.					
(Number Of Girders : 33)											
Span Alignn	nent Problem	s									
	Vertical (Y/N) No					(100mm brg @ P1). Drift pins very close to cap edge.					
Horizontal		No									
	ure General F			4	4						

					Subst	ructure					
Bridge Com	ponent			Last	Now	Explanation of Condition					
Abutments	ipononi	<u> </u>		Luot	11011	Explanation of containon					
	Backwall Piles	s (Y/N) : <b>Y</b> )									
	Backwall Piles		n) · 1500)								
	er of Caps/Cor		1) . 1000)			Front sheathing installed to below					
	ts/Caps/Corbe		nas			cap.					
Boaring Coa	N (count)	1 (count)	2 (count)	3 (cou	ınt)						
Last	it (oddin)	i (oouni)	2 (000111)	0 (000	,						
Now											
	its/Caps/Corbe	ls		6	6						
	EATED TIMBI										
(Depth(mn		/									
(Width(mm	· · · · · · · · · · · · · · · · · · ·										
Backwalls/B	· · · · · ·			4	4	South abutment breastwall broken, about 5m long, backfill exposed -					
Greatest H		2.30				photo. North abutment breastwall no longer attached to piles.					
Wingwalls	leight (III)	2.50		6	6						
vviilgwalis											
(Total Numb	er of Bearing F	Piles : <b>7:7</b> )				Could not view all due to sheeting installed in front of piles.					
Piles Detail F	Ratings										
	N (count)	1 (count)	2 (count)	3 (cou	ınt)						
Last	100										
Now	10	0	0		0						
Piles				N	7						
Paint/Coatin	g			Х	Х						
Abutment St	tability			7	7						
Scour/Erosio	on			7	4	Minor gully (0.3m deep) gully forming on N headslopephoto					
Piers/Bents											
	ER-COLUMN)					Girder dowel pins close to cap edge.					
	er of Caps/Cor					Pier cap/piles are not centered over					
Bearing Sea	ts/Caps/Corbe					girders.					
_	N (count)	1 (count)	2 (count)	3 (cou	ınt)						
Last											
Now	. 10 10 1				I _	-					
	ts/Caps/Corbe			5	5						
	EATED TIMBI	EK)									
(Depth(mn	· · · · · · · · · · · · · · · · · · ·										
(Width(mm											
	er of Bearing F	riles : <b>7:7</b> )									
Piles Detail F		4 (====================================	0 (	0.4	4\						
Last	N (count)	1 (count)	2 (count)	3 (cou	int)						
Last											
Now					I -	-					
Pier Shaft/Pi				5	5						
Greatest Height (m) 2.50				4	T _						
Bracing/Struts/Sheathing					7						
Nose Plate					Х						
Paint/Coatin	a			X	X						
	escription : )			Λ							
(Colour Co											
Pier Stability				5	7	Broken sheathing planks.					
T ICI Glability				3	'	Protest streaming plantes.					

			Subst	ructure				
Bridge Component		Last	Now	Explanation of Condition				
Scour		7	7					
Debris (Y/N)	No							
Substructure General Rating		5	5					
			Structu	re Usage				
		Last	Now	Explanation of Condition				
Channel								
(U/S Direction : W)								
(D/S Direction : E)								
Alignment			7					
Bank Stability			7					
HWM (m below Top of Curb)				HWM not visible.				
Drift (Y/N)	No							
Slope Protection		N	5					
(Type : NATURAL)								
Guidebank/Spurs		X	Х					
Adequacy of Opening		7	7					
(Fish Compensation Measure 1	: NONE)							
(Fish Compensation Measure 2	: NONE)							
Channel General Rating		7	5					

					Maintenance R	ecommend	dations					
Inspector Recomm		Year	Inspecto	or Comments		Department Com	ments		Target Year	Est. Cost	Cat #	
REPAIR/REPLAC	E BRIDGE RAIL											
SEAL CURBS												
PATCH DECK												
OVERLAY DECK												
STRAIGHTEN/REPLACE MEMBERS												
WASHING												
SHOTCRETE REPAIRS												
CORE TIMBER CAPS/CORBELS												
REPAIR/REPLACE TIMBER CAPS												
REPAIR ABUTME	NT SCOUR/EROSI	ON										
PLACE ADDITION	NAL RIP RAP											
REMOVE DRIFT	ACCUMULATION											
INSTALL STRUTS	3											
OTHER ACTION			2012	Replace reattach	e broken backwall plank. 5m at abut.	n long and						
OTHER ACTION			2012	Inform 7	Telus to repair broken condu	uit.						
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/Now) (%)		ow)	50.0/50.	.0	Sufficiency Rating (Last/	Now)	63.5/63.1	Est. Repl. Yr	2020	Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection Monitor headslope erosion and girder crack					g.		Department Comments			,		
Maintenance Reviewed By							Date		E	Estimated Total	I 0	
Proposed Long-T	erm Strategy											
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspecto	r's Name	Jacob	Oresile			Previous	Assistant's Name					
			t-2015				revious Inspection Date 02-Feb-2009					
		39					•					

Alberta Transportation Bridge Inspection & Maintenance System (Web 2005)

07622 -1 Bridge

Comment