Bridge Inspection & Maintenance System (Web 2005)

	_					Bridge	Inspec	ction					
Bridge File Nun	nber	13767 -1	Bridge				Forr	n Type		PCS			
Year Built/Year	•	1962/196	62				Lot I	No.		1			
Supstr		004100					Insp	ector Nam	е	Russel Var	ndersc	haaf	
Bridge or Town	Name	1			(===		Insp	ector Clas	5	BR CLS B			
Located Over		TRIBUTA 8.10.58.1	8.2.2, W	ATERCE	VER, RS-ST		Assi	Assistant Name					
Located On		670:02 C					Assi	istant Class	\$				
Water Body Cl.	/Year						Insp	ection Dat	Э	17-Jan-201	13		
Navigabil. CI./Y	′ear						Data	a Entry By		Theresa La	acusta		
Legal Land Loc		SE SEC	4 TWP 72	2 RGE 5	W6M		Data	a Entry Dat	е	02-Feb-207	13		
Longitude, Latit	tude	-118:41:4	6, 55:11	:59			Rev	iewer Nam	е	Eric Carco	ux		
Road Authority		Alberta T	ransporta	ation (AI	Г)		Rev	iew Date		23-Jan-201	13		
Contract Main.	Area	CMA05	•				Dep	t. Reviewe	r Name	David Morr	ison		
Clear Roadway	//Skew	10 /					Dep	t. Review [Date	21-Mar-207	13		
AADT/Year		2,140 / 2	011 (A)				Follo	ow-Up By					
Road Classifica	ation	RCU-209	-110										
Detour Length	(km)	6											
Allowable Load	l (t): Sir					CS2 49		Tra		S3 62		> On Criti	ical Spans
<u> </u>		GIR				GIRDE	2		G	RDER		>Critical I	
Design Loading	g:	HS2	0									> Primary	/ Span
Dequired Lood	Decting	(4)		Cincela		Posting	Inform	Semi			Truck	ck Train	
Required Load Posted Loading		(1)		Single				Semi				k Train	
Posted:	1.	ED		Single	tion (V/NI)	No		In Advance	> (V/NI)	No			No
Posted:	Lane						III Auvance	3 (T/IN)	No At Bridge (Y			INO	
					tion (V/NI)	No				No			No
	Lane	WB		At Junc	tion (Y/N)	No		In Advance		No		ridge (Y/N)	No
Remarks			Voo	At Junc	tion (Y/N)	No				No			No
Remarks Hazard Marker			Yes	1				In Advance	e (Y/N)		At B	ridge (Y/N)	-
Remarks Hazard Marker Remarks	At Brid			1				In Advance	e (Y/N)		At B		-
Remarks Hazard Marker Remarks	At Brid			1	& NE ma	irker no	: lined u	In Advance	e (Y/N)		At B	ridge (Y/N)	
Remarks Hazard Marker Remarks Other Sign Typ	At Brid			1	& NE ma	irker no		In Advance	e (Y/N)		At B	ridge (Y/N)	
Remarks Hazard Marker Remarks Other Sign Typ Utility Attachme	At Bridges	ge (Y/N)	Installed	1	& NE ma	irker no	i lined u (Locat	In Advance p with bride	e (Y/N)		At B	ridge (Y/N)	
Remarks Hazard Marker Remarks Other Sign Typ Utility Attachme Telephone	At Bridge	ge (Y/N)	Installed	d too low	& NE ma	irker no	i lined u (Locat	In Advance p with bride red at)	e (Y/N)		At B	ridge (Y/N)	
Remarks Hazard Marker Remarks Other Sign Typ Utility Attachme Telephone Power	At Bridge	ge (Y/N) / and nort	Installed h R/W OF ROA	d too low	& NE ma	irker no	lined u (Locate Gas Mur	In Advance p with bridg red at)	ge.Plac		At B	ridge (Y/N)	
Remarks Hazard Marker Remarks Other Sign Typ Utility Attachme Telephone Power Others	At Bridge	ge (Y/N)	Installed h R/W OF ROA	d too low	& NE ma	irker no	lined u (Locate Gas Mur	In Advance p with bride red at)	e (Y/N)		At B	ridge (Y/N)	
Remarks Hazard Marker Remarks Other Sign Typ Utility Attachme Telephone Power Others	At Bridge	ge (Y/N) / and nort	Installed h R/W OF ROA	d too low	& NE ma	rker no	Clined u (Locati Gas Mun Prot	In Advance p with bride red at) hicipal olem (Y/N)	ge.Plac		At B	ridge (Y/N)	
Remarks Hazard Marker Remarks Other Sign Typ Utility Attachme Telephone Power Others Remarks	At Bridge	ge (Y/N) / and nort	Installed h R/W OF ROA	d too low	& NE ma	rker no Utilities	(Locate (Locate Gas Mun Prot	In Advance p with bride red at) hicipal olem (Y/N)	ge.Plac	ed on 3rd ga	At B	ridge (Y/N)	
Remarks Hazard Marker Remarks Other Sign Typ Utility Attachme Telephone Power Others Remarks	At Brid	ge (Y/N) / and nort	Installed h R/W OF ROA	d too low	& NE ma	Utilities Appr St Nov	(Locat Gas Mun Prot Dach Ro BOT	In Advance p with bride ed at) icipal olem (Y/N) oad lanation o	ge.Plac	ed on 3rd ga	At B	post east of	
Remarks Hazard Marker Remarks Other Sign Typ Utility Attachme Telephone Power Others Remarks Horizontal Aligr	At Bridges ents S R/V 20M N Fibre	ge (Y/N) / and nort	Installed h R/W OF ROA	d too low	& NE ma	Appr st Nov 8 8	(Locat Gas Mun Prot Dach Ro BOT	In Advance p with bride ed at) icipal olem (Y/N) oad lanation o	ge.Plac	ed on 3rd ga	At B	post east of	bridge.
Remarks Hazard Marker Remarks Other Sign Typ Utility Attachme Telephone Power Others Remarks Horizontal Align Vertical Alignm	At Brid	ge (Y/N) / and nort	Installed h R/W OF ROA	d too low	& NE ma	Appr st Nov 8 8	(Locat Gas Mun Prot Dach Ro BOT	In Advance p with bride ed at) icipal olem (Y/N) oad lanation o	ge.Plac	ed on 3rd ga	At B	post east of	bridge.
Remarks Hazard Marker Remarks Other Sign Typ Utility Attachme Telephone Power Others Remarks Horizontal Aligr Vertical Alignm Roadway Width	At Brid es ents S R/V 20M N Fibre	ge (Y/N) / and nort	h R/W OF ROA th R/W	d too low	& NE ma	Appr st Nov 7 7	Clocat (Locat Gas Mun Prot Dach R v Exp BOT end	In Advance p with bride ed at) icipal olem (Y/N) oad lanation o	ge.Plac	ed on 3rd ga	At B	post east of	bridge.
Remarks Hazard Marker Remarks Other Sign Typ Utility Attachme Telephone Power Others Remarks Horizontal Aligr Vertical Alignm Roadway Width Approach Bum	At Bridges ents S R/V 20M N Fibre	ge (Y/N) / and nort	h R/W OF ROA th R/W	d too low	& NE ma	Appr st Nov 7 7	Clocat (Locat Gas Mun Prot Dach R v Exp BOT end Acci	In Advance p with bride red at) accipal blem (Y/N) oad lanation o rTOM OF s of structure	ge.Plac No f Cond SAG. N e. ge NE	ed on 3rd ga ition o passing we sectiojn. 4 pi	At B	nd to passing	bridge. E&W @ Eas
Remarks Hazard Marker Remarks Other Sign Typ Utility Attachme Telephone Power Others Remarks Horizontal Aligr Vertical Alignm Roadway Width Approach Bum Guardrail (Y/N)	At Bridges ents S R/V 20M N Fibre	ge (Y/N) / and nort	Installed h R/W OF ROA th R/W	d too low	& NE ma	Appr St Nov 8 7 7 7 7	Ined u (Locat Gas Mun Prot Coach Ro V Exp BOT end Acci	In Advance p with bride red at) nicipal olem (Y/N) oad lanation o rTOM OF S of structure	ge.Plac No f Cond SAG. N e. ge NE	ed on 3rd ga ition o passing we sectiojn. 4 pi	At B	nd to passing	bridge. E&W @ Eas
Remarks Hazard Marker Remarks Other Sign Typ Utility Attachme Telephone Power Others Remarks Horizontal Aligr Vertical Alignm Roadway Width Approach Bum Guardrail (Y/N)	At Bridges ents S R/V 20M N Fibre	ge (Y/N) / and nort	Installed h R/W OF ROA th R/W	d too low	& NE ma	Appr St Nov 8 7 7 7 7	ilined u (Locat Gas Mun Prot Dach R v Exp BOT end BOT end	In Advance p with bride (ed at) (ident dama (ident dama (ident dama	ge.Place f Cond SAG. N e. ge NE epaired	ed on 3rd ga ition o passing we sectiojn. 4 pi	At B	nd to passing	E&W @ Eas
Remarks Hazard Marker Remarks Other Sign Typ Utility Attachme Telephone Power Others Remarks Horizontal Aligr Vertical Alignm Roadway Width Approach Bum Guardrail (Y/N)	At Bridges	ge (Y/N) / and norti N. OF C/L optics Nor	Installed h R/W OF ROA th R/W 10.000 Yes	d too low	& NE ma	Appr St Nov 8 7 7 7 7	ilined u (Locat Gas Mun Prot Dach R v Exp BOT end BOT end	In Advance p with bride (ed at) (ident dama (ident dama (ident dama	ge.Place f Cond SAG. N e. ge NE epaired	ed on 3rd ga ition o passing we sectiojn. 4 pi	At B	nd to passing	E&W @ Eas
Remarks Hazard Marker Remarks Other Sign Typ Utility Attachme Telephone Power Others Remarks Horizontal Aligr Vertical Alignm Roadway Width Approach Bum Guardrail (Y/N) Guardrail Length (m)	At Brid	ge (Y/N) / and norti N. OF C/L optics Nor	Installed h R/W OF ROA th R/W 10.000 Yes 7.500 No	d too low	& NE ma & NE ma Las 2 2 3 3 4 3 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5	Appr St Nov 8 7 7 7 7	ilined u (Locat Gas Mun Prot Dach R v Exp BOT end BOT end	In Advance p with bride (ed at) (ed at	ge.Place f Cond SAG. N e. ge NE epaired	ed on 3rd ga ition o passing we sectiojn. 4 pi	At B	nd to passing	E&W @ Eas
Remarks Hazard Marker Remarks Other Sign Typ Utility Attachme Telephone Power Others Remarks Horizontal Aligr Vertical Alignm Roadway Width Approach Bum Guardrail (Y/N) Guardrail Length (m) Current Stand	At Brid	ge (Y/N) / and norti N. OF C/L optics Nor	Installed h R/W OF ROA th R/W 10.000 Yes 7.500 No	d too low	& NE ma & NE ma Las 2 2 3 3 4 3 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5	Appr st Nov 3 8 7 7 3 4	Locat (Locat Gas Mun Prot Dach R v Exp BOT end BOT end Acci brok	In Advance p with bride (ed at) (ed at	ge.Place f Cond SAG. N e. ge NE epaired	ed on 3rd ga ition o passing we sectiojn. 4 pi	At B	nd to passing	E&W @ Eas

Duislas Osaa							Structure
Bridge Com			n ath a (ma), C.1. A Ida		Now	Explanation of Condition
		ans, Le	ngths(m): 6.1, A-Ide	ent Num	ber:)	
Special Feat						X	
	lie					^	
(Type :)						V	-
Special Feat	lie					X	
(Type:)		Dete:	Deting	-			
Wearing Surf					2 (0/)		Parthy analyzand
Last	N (%)	1 (%)		2 (%)	3 (%)		Partly snow covered.
Now	25.0		0.0	0.0		0.0	
			0.0	0.0	4		Lota of patabaa
Wearing Surf					4	4	Lots of patches. Wide longitudial cracks between girder joints (0.9m apart).
	/pe : MIX TY I	PETA	5P)				
(Thickness	· / /		Vaa				-
Lateral Conn (Y/N)	ection Proble	m	Yes				
Deck Top					N	N	
Deck Rideab	ility				7	7	
Deck Joints					N	4	Deck joints covered with ACP, wide cracking at abutments.
Bump (Y/N)		No				
Deck Draina	je				7	7	
Drains Clog	ged (Y/N)		No				
Curbs/Media	n				6	N	Lift pockets filled with tar03-May-2010
(Curb Type	: Standard)						Under snow
Scaling (Pe	rcent Area)		1				
Bridge Rail					7	7	
	LVANIZED S	TEEL P	LEX B	BEAM)			Snow covered
Bridge Rail P				,	7	N	
(Type : GA STEEL)	LVANIZED P	OST S	TEEL;C	GALVANIZED	POST		
Bridge Rail/P	osts Coating				7	7	
	LVANIZED)					· ·	
Sidewalk					Х	X	
Girder Detail	Ratings						
Sindor Dotain	N (count)	1 (co	unt)	2 (count)	3 (cou	unt)	Could not access due to water & ice level. Ratings carried over.
Last			0		0		
Now	13		0	0	_	0	1
Girders		1	-		N	N	(WC& or spalls in AZ 2legs (9 girders)
Last Complet	e Inspection	Date	15-Api	-2008			Med shear cracks in girders 7.8 & 11.
Cracking (•		Yes				Level 2 girder inspection (2008). HH girders, no connector pockets15-Apr-2008)
	ercent Area)		15				
Lift or Conne Grouted (Y/N	ctor Pocket		Yes				1
(Number Of (1
Span Alignm	· · · · · ·	ns					
Vertical (Y/			No				
Horizontal			No				1
Superstruct	· · · · · ·	Pating			2	2	GR carried over 15-Apr-2008
Superstruct	are General	rating			2	2	GR carried over 15-Apr-2008

					Subst	ructure
Bridge Com	ponent			Last	Now	Explanation of Condition
Abutments						
(Extended	Backwall Pile	es (Y/N) : Y)				-
(Extended	Backwall Pile	es Spacing(mn	n) : 1500)			
(Total Numbe	er of Caps/Co	orbels : 3:3)				Cored 2008
Bearing Seat	s/Caps/Corbe	els Detail Rati	ngs			DOUBLE CAPS.W/sub.@ S end piles W Abut 2&3 / E Abut 3&4. Top caps 300 deep 350 width,. (both abut)
	N (count)	1 (count)	2 (count)	3 (cou	unt)	Bottom cap W. Abut 300x300 / E Abut 350 deepx 300 wide.Rolling
Last	0	0	0		2	behind piles @ 4-7 west abutphoto Rolling behind pile 5-8 east abutphoto
Now	0	0	0		6	
Bearing Seat	s/Caps/Corb	els		3	3	Rot in NE corner A2 - cap split in middle and beginning to bulge
(Type : TR	EATED TIME	BER)				_
(Depth(mm) : 300)					_
(Width(mm): 300)					
Backwalls/Br	eastwalls			4	4	15-Apr-2008 Cored
Greatest H	eight (m)	2.00				
Wingwalls				4	4	Plank sideways& broken @ top of east wingwallphoto
(Total Numbe	er of Bearing	Piles : 8:8)				E. abut piles 4-7 split. W. abut P3,P1
Piles Detail R	Ratings	,				P5-P7 split. W. abut P4 not bearing at all. E. abut
	N (count)	1 (count)	2 (count)	3 (cou	unt)	P4 bearing <1/3 & Split.
Last	0	0	0	1	11	Couldn't access to view piles due to water under bridge.
Now	16	0	0		0	- Couldn't access to view piles due to water under bruge.
Piles				3	N	
Paint/Coating	9			X	Х	
Abutment Sta	ability			5	4	West cap rolling bwhind piles.
Scour/Erosio	n			5	4	0.5 erosion scour under bridge.
Piers/Bents						
(Type :)						
(Total Numbe	er of Caps/Co	orbels :)				1
•	· · · · · · · · · · · · · · · · · · ·	els Detail Rati	nas			1
e car	N (count)	1 (count)	2 (count)	3 (cou	unt)	1
Last				(,	1
Now						
Bearing Seat	s/Caps/Corb	els		Х	X	1
(Type :)						
(Depth(mm):)					
(Width(mm						
(Total Numbe	er of Bearing	Piles :)				
Piles Detail R	Ratings					-
	N (count)	1 (count)	2 (count)	3 (cou	unt)	_
Last						-
Now						_
Pier Shaft/Pil				X	X	
Greatest H	eight (m)				_	
Bracing/Strut	s/Sheathing			5	5	ONLY 3 STRUTS

Alberta Transportation

			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Nose Plate		X	X	
Paint/Coating		X	Х	
(Colour Description :)				
(Colour Code :)				
Pier Stability		X	X	
Scour		X	Х	
Debris (Y/N)	Yes			6 old piles under bridge. Fridge in channel at u/s endphoto
Substructure General Rating		3	3	Gr carried over 15-Apr-2008
		5	Structu	re Usage
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				
(D/S Direction : S)				
Alignment		7	7	
Bank Stability		8	8	
HWM (m below Top of Curb)	0.5			Tall grass in trees. (U/S)
Drift (Y/N)	No			
Slope Protection		4	4	Scour beneath structure 0.5m deep.
(Туре :)				
Guidebank/Spurs		X	X	
Adequacy of Opening		4	4	Debris in struts & HWM indicate small opening.
(Fish Compensation Measure 1	: NONE)	1		
(Fish Compensation Measure 2	: NONE)			
Channel General Rating		4	4	

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		Maintenance Recommendations	iendations				
Inspector Recommendations	Year	Inspector Comments	Department Comments	nments	Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION	7						
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2013	Replacement of structure					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	ı) 27.8/27.8	8 Sufficiency Rating (Last/Now) (%)	46.6/47.9	Est. Repl. Yr 2013		Maint. Reqd. (Y/N)	Yes
Special Assessment complete Comments for complete replacemer Next Inspection Low Rating Advisory	ed in July of 20 t. sent 17-Jan-20	Assessment completed in July of 2008. Design complete and waiting for funding to complete replacement. Low Rating Advisory sent 17-Jan-2013 to Alan Saunders.	to Department Comments				
Maintenance Reviewed By			Date		Estimated Total	0	
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Russel Vanderschaaf		Previous Assistant's Name				
	17-Apr-2014	Prev	Previous Inspection Date	03-May-2010			
Cycle (Modified) (months)	15						
Comment							

					Mainten	ance Recommend	lations						
Inspector Recorr	mendations	Yea	ar	Inspecto	or Comments		Department Corr	nmer	nts		Target Year	Est. Cost	Cat #
REPAIR/REPLA	CE BRIDGE RAIL												
SEAL CURBS													
PATCH DECK													
OVERLAY DECH	κ												
STRAIGHTEN/R	EPLACE MEMBERS												
WASHING													
SHOTCRETE RE	EPAIRS												
CORE TIMBER	CAPS/CORBELS												
REPAIR/REPLA	CE TIMBER CAPS												
REPAIR ABUTM	ENT SCOUR/EROSIO	NC											
PLACE ADDITIC	NAL RIP RAP												
REMOVE DRIFT	ACCUMULATION												
INSTALL STRUT	ſS												
OTHER ACTION	<u> </u>	201	13	Replace	ement of structure								
OTHER ACTION	<u> </u>												
OTHER ACTION													
OTHER ACTION	l i i i i i i i i i i i i i i i i i i i												
OTTIER ACTION													
	lition Rating (Last/No	ow) 27.8	.8/27.3	8	Sufficiency Ratir (%)	ng (Last/Now)	46.6/47.9	Est	t. Repl. Yr	2013	Maint. Re	qd. (Y/N)	Yes
Structural Cond		ted in July	/ of 20	008. Desi	(%) ign complete and w	,	46.6/47.9 Department Comments	Est	t. Repl. Yr	2013	Maint. Re	qd. (Y/N)	Yes
Structural Conc (%) Special Comments for Next Inspection	lition Rating (Last/No Assessment comple to complete replacer Low Rating Advisory	ted in July	/ of 20	008. Desi	(%) ign complete and w	,	Department	Est	t. Repl. Yr		Maint. Re		Yes
Structural Conc (%) Special Comments for	lition Rating (Last/No Assessment comple to complete replacer Low Rating Advisory viewed By	ted in July	/ of 20	008. Desi	(%) ign complete and w	,	Department Comments	Est	t. Repl. Yr				Yes
Structural Conc (%) Special Comments for Next Inspection Maintenance Re	Iition Rating (Last/No Assessment comple to complete replacer Low Rating Advisory viewed By Ferm Strategy	ted in July	/ of 20	008. Desi	(%) ign complete and w	,	Department Comments	Est	t. Repl. Yr				Yes
Structural Cond (%) Special Comments for Next Inspection Maintenance Re Proposed Long-	Iition Rating (Last/No Assessment comple to complete replacer Low Rating Advisory viewed By Ferm Strategy am (Y/N)	ted in July	/ of 20	008. Desi	(%) ign complete and w	,	Department Comments	Est	t. Repl. Yr				Yes
Structural Cond (%) Special Comments for Next Inspection Maintenance Re Proposed Long- On 3-Year Progr	Iition Rating (Last/No Assessment comple to complete replacer Low Rating Advisory viewed By Ferm Strategy am (Y/N)	ted in July	/ of 20 Jan-20	008. Desi 013 to Ala	(%) ign complete and w	raiting for funding	Department Comments		t. Repl. Yr				Yes
Structural Cond (%) Special Comments for Next Inspection Maintenance Re Proposed Long- On 3-Year Progr Proposed Action	Iition Rating (Last/No Assessment complete replacer to complete replacer Low Rating Advisory viewed By Ferm Strategy am (Y/N) or's Name	ted in July ment. v sent 17-J	v of 20 Jan-20	008. Desi 013 to Ala	(%) ign complete and w	Previous	Department Comments Date		t. Repl. Yr 03-May-2010	E			Yes

Comment