Bridge Inspection															
Bridge File Num	ber	72638 -1	Bridge					Form	Туре			PCS			
Year Built/Year		1958/195	8					Lot N	0.			1			
Supstr		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	DON					Inspe	ctor N	lame		Owen Salav	а		
Bridge or Town	Name			/EDN411.1	ON 50 //		0.5.00	Inspe	Inspector Class BR CLS A						
Located Over		TRIBUTA	RY 10 V CRS-ST	/ERIVIILI	ON RIVI	EK,	6.5.30,	Assis	Assistant Name						
Located On		29:04 C1	20.516					Assis	Assistant Class						
Water Body CI./	Year							Inspection Date 09-Nov-2012							
Navigabil. Cl./Ye	ear							Data Entry By Marcia Chavez							
Legal Land Loca	ation	SE SEC	28 TWP :	55 RGE	14 W4N	VV4IVI			Entry	Date		20-Nov-2012	2		
Longitude, Latitu	ıde	-112:01:1	5, 53:46:	:25				Revie	Reviewer Name John O'Brien						
Road Authority		Alberta T	ransporta	ation (Al	T)	Review Date 14-Nov-2012 Dept. Reviewer Name Andrew Smik				2					
Contract Main. A	Area	CMA14						Dept.	Revie	ewer N	ame	Andrew Smi	kles		
Clear Roadway/	Skew	10.1 /								ew Dat	е	26-Nov-2012	2		
AADT/Year 1,000 / 2011 (A)							Follov	w-Up	Ву						
Road Classification RCU-209-110															
Detour Length (km) 5										<u> </u>					
Allowable Load	(t): Sir	Single CS1 28					S2 49				3 62		> On Critic	cal Spans	
		GIRDER			GI	RDER				GIF	RDER		>Critical N		
Design Loading: HS20				D-	adina le	of 0,000	vii ara					> Primary	Span		
Required Load Posting (t) Single					Pc	osting Ir		euon Semi				Truc	k Train		
Posted Loading (t) Single							Semi					k Train			
Posted:	Lane	EB At Junction		tion (Y/N	(Y/N) No				ance (\	//NI)	No		At Bridge (Y/N) No		
Posted:	Lane	WB At Junction (Advance (Y/N)		No	At Bridge (Y/N) No			
Remarks Not required.			1011 (171	1)	110	In Advance (Y/N) No At Bridge (Y/N) No				140					
Hazard Marker At Bridge (Y/N) Yes															
Remarks Some are leaning.			na												
Other Sign Types 80 kph around curve.				on s	sian. Ch	evrons	in Fa	st emb	@ N	JE & SE corn	ers fo	r NB traffic.			
Guille Gigit Type			oo npii				ilities (L						0.0.0	TTD trainer	
Utility Attachmer	nts						, i								
Telephone								Gas							
Power	3 wire	wire O/H 10m South crossing 60m V			0m Wes	st.		Munio	cipal						
Others							Proble		/N) N	No					
Remarks															
							Approa	ch Ro	ad						
					L	ast	Now	Explanation of Condition							
Horizontal Aligni						5	5	Bridge	Bridge in curve. Bridge superelevated. No passing both directions. Field approaches at N & S, W of bridge.					n directions.	
Vertical Alignme	nt					8	8	rield	аррго	acries	al IN	a o, w oi bii	uye.		
Roadway Width			9.700												
Approach Bump						4	6								
Guardrail (Y/N)			Yes					Splice	e bolts	s missii	ng at	turned down	ends.		
Guardrail						4	4								
Length (m)			19.300					Short	i, not e	enough	post	s; not thrie be nissing bolts,	eam.	ıl - nhoto	
Current Stand		(N)	No					1 61111	ıı ıaı Cl	14 350l		noonig buito,	урка	ii prioto.	
Termination Ty	уре		Turned	Down											
Drainage						8	8								
Approach Road	d Gene	eral Rating	g			5	5								
	Approach Road General Rating														

				9	Supers	structure		
Bridge Component					Now	Explanation of Condition		
	an : PG, 1 Spa	ns. Lenaths(m): 6.1. A-Ide					
Special Fea			, , , , , , , , , , , , , , , , , , , ,		,			
Special Feat					Х			
(Type:)								
Special Feat	ture				Х			
(Type:)						-		
	face/Deck Top	Detail Rating	<u> </u>					
vvealing out	N (%)	1 (%)	2 (%)	3 (%)				
Last	80	0	0		0	-		
Now	20.0	0.0	0.0		.0			
Wearing Sur		0.0	0.0	N	6	7 line long. crack between girders - photo. Mainly SB half.		
		ONVENTION	AL CHIRSEA			7 line long. Crack between gliders - prioto. Mainly SB Hall.		
	ype : ACP - Co	ONVENTION	AL CHIP SEA	LCOAT)	Cirdore not connected but keeper plates installed an cape at all		
	s(mm) : 50)	- N-				Girders not connected but keeper plates installed on caps at all corners.		
(Y/N)	nection Problen	n No						
Deck Top				N	N			
200								
Deck Rideat	oility			7	7			
Deck Joints				N	N	Paved over.		
Bump (Y/N	1)	No						
Deck Draina	ge			N	N	Snow/ice covered. No evidence of drainage problem.		
	gged (Y/N)	No						
Curbs/Media				N	N	(Grout pockets not filled - photo. 12Aug2009). Snow/ice covered.		
	e : Standard)					Poor patch at post 3 on S curb.		
Scaling (Percent Area) 0					-			
Bridge Rail	orderit 7 troay			7	7	Double layer.		
(Type : GALVANIZED STEEL FLEX BEAM)			,	,				
Bridge Rail Posts			4	5	Patch under 2nd post from SE not properly patched, suspect (photo).			
(Type: GALVANIZED POST STEEL;GALVANIZED STEEL)			-		Traterial and the post from 62 flot properly paterious, suspect (prioto).			
Bridge Rail/Posts Coating			7	7				
(Type : GALVANIZED)				,				
Sidewalk	ALVANIZED)				V			
Sidewalk				X	X			
Girder Detail	l Ratings							
	N (count)	1 (count)	2 (count)	3 (cou	nt)			
Last	0	0	0	0				
Now	0	0	0		0			
Girders				4	4	Girder rating gets 1 point increase due to PG type.		
Last Comple	ete Inspection D	Date 09-Nov	/-2012			7'		
Cracking (·	Yes				G11 wide longit. crack in AZ with cracking in other leg. Longit. crack in legs of G4,9,11. G4 spall in AZ with cracking in other		
	Percent Area)	3				leg - photo. Unable to confirm grouting.		
Lift or Conne Grouted (Y/N	ector Pocket	No				Onable to commit grouning.		
,	Girders : 12)			,				
	ment Problems	s						
Vertical (Y		No						
Horizontal		No						
	ture General R			4	4			
2	5 5011010111	g						

Substi						tructure			
Bridge Com	ponent			Last	Now	Explanation of Condition			
Abutments	•	<u> </u>							
(Extended	Backwall Piles	s (Y/N) : Y)							
(Extended	Backwall Piles	Spacing(mm) : 1500)						
_	er of Caps/Co		,,			Keeper plates installed on caps at all corners.			
	ts/Caps/Corbe		ngs						
J 2 2 2 2	N (count)	1 (count)	2 (count)	3 (cou	unt)				
Last	0	0	0		0				
Now	0	0	0		0				
Bearing Sea	its/Caps/Corbe			9	9				
	EATED TIMBI								
(Depth(mn		,							
(Width(mm	•								
Backwalls/B	•			5	5	Bowing from backwall earth pressure.			
Greatest F		3.30		3	<u> </u>	Breastwall sheeting installed & filled with gravel/rocks.			
Wingwalls	leight (III)	3.30		5	5				
vvirigwaiis				3	5				
(Total Numb	er of Bearing F	Piles : 8:8)							
Piles Detail Ratings									
					unt)				
Last									
Now	0	0	0		1				
Piles				3	3	Pile 6 @ W split, 25mm gap - photo. E piles bowing from backwall pressure (photo).			
Paint/Coating			X	X	E plies bowing nom backwall pressure (prioto).				
Fairly Coating			_ ^	^					
Abutment St	tability			5	5	E abut piles bowed and kicking in at bottoms from backwall pressure. Griders pushed into top planks at A1.			
Scour/Erosio	on			N	N	Iced over.			
Piers/Bents									
(Type:)									
(Total Numb	er of Caps/Cor	rbels:)							
Bearing Sea	ts/Caps/Corbe	ls Detail Ratin	igs						
	N (count)	1 (count)	2 (count)	3 (cou	unt)				
Last									
Now									
					X				
(Type:)									
(Depth(mm):)									
(Width(mm	n) :)								
(Total Number of Bearing Piles :)									
Piles Detail I	Ratings								
	N (count)	1 (count)	2 (count)	3 (cou	unt)				
Last									
Now									
Pier Shaft/P	iles			Х	X	Max deck to S/B 3.6m.			
Greatest F	leight (m)								
Bracing/Stru	ts/Sheathing			5	5	No scabs under 5 struts.			
Nose Plate				X	X				
Paint/Coatin	g			X	X				
	escription:)								
(Colour Co									
(Colour Oc	. ,								

				ructure
Bridge Component		Last X	Now	Explanation of Condition
Pier Stability			X	
Scour		Х	Х	(1.0m deep scour hole under bridge. 00/10/24) Under water/ice.
Debris (Y/N)	No			
Substructure General Rating		3	3	
		5	Structu	re Usage
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				
(D/S Direction : S)				
Alignment			7	
Bank Stability		7	7	Low grassy banks 5-7m wide.
HWM (m below Top of Curb)				No visible HWM.
Drift (Y/N)	Yes		_	
Slope Protection			5	
(Type: NATURAL; NATURA	L)			
Guidebank/Spurs		X	X	
Adequacy of Opening			6	
(Fish Compensation Measure 1	: NONE)			
(Fish Compensation Measure 2	: NONE)			
Channel General Rating		5	5	

Alberta Transportation

				Maintenance Recommendations	nendations				
Inspector Recommendations	>	Year	Inspect	Inspector Comments	Department Comments	omments	Target Year	ear Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL									
SEAL CURBS									
PATCH DECK	2	2013	Seal lor	Seal Iongitudinal cracks.					
OVERLAY DECK									
STRAIGHTEN/REPLACE MEMBERS	0								
WASHING	2	2013							
SHOTCRETE REPAIRS									
CORE TIMBER CAPS/CORBELS									
REPAIR/REPLACE TIMBER CAPS									
REPAIR ABUTMENT SCOUR/EROSION	NOIS								
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL STRUTS									
OTHER ACTION	2	2013	Install s	Install scabs for 5 struts.					
OTHER ACTION	2	2013	Grout li	Grout lift pockets, if not yet done.					
OTHER ACTION	2	2013	Reset HMs.	HMs.					
OTHER ACTION	2	2013	Band A1P6.	V1P6.					
OTHER ACTION	- 7	2013	Add guar warrants.	Add guardrail splice bolts; review guardrail warrants.					
OTHER ACTION	2	2015	Replace	Replace bridge.					
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/Now) (%)		38.9/38.9	6	Sufficiency Rating (Last/Now) (%)	57.2/57.2	Est. Repl. Yr	2015 Maint.	Maint. Reqd. (Y/N)	Yes
Special Per AT, caps/piles cored in 2009. Comments for Monitor A1P6 annually until repaired/replaced	cored in 20 ually until r	009. epaired	//replace	.pe	Department Comments				
Maintenance Reviewed By					Date		Estimated Total	Fotal 0	
Proposed Long-Term Strategy	2004.06.	10 With	h careful il 2014.	2004.06.10 With careful monitoring brdige caps should be c could be ok until 2014.	ok until 2009. Consid	brdige caps should be ok until 2009. Consider replace 1 short cap off ice if needed. With repaired cap, bridge	ice if needed. W	ith repaired cap	, bridge
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Dave Lam	٤		Previ	Previous Assistant's Name	Φ			
Next Inspection Date	09-Aug-2014	2014		Previ	Previous Inspection Date	08-Dec-2010			
				r age 3 01 0					

21	
Inspection Cycle (Default) (months)	Comment

		Maintenance Recomme	ndations				
Inspector Recommendations	Year	Inspector Comments	Department Cor	mments	Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS							
PATCH DECK	2013	Seal longitudinal cracks.	When next on s	ite			
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING	2013						
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2013	Install scabs for 5 struts.	When next on s	ite			
OTHER ACTION	2013	Grout lift pockets, if not yet done.	When next on s	ite (low priority curbs)			
OTHER ACTION	2013	Reset HMs.	To operations				
OTHER ACTION	2013	Band A1P6.	When next on s	ite			
OTHER ACTION	2013	Add guardrail splice bolts; review guardrail warrants.	When next on s	ite			
OTHER ACTION	2015	Replace bridge.	Programmed		2015		
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	38.9/38	Sufficiency Rating (Last/Now) (%)	57.2/57.2	Est. Repl. Yr 2015	Maint. Re	eqd. (Y/N)	Yes
Special Comments for Next Inspection Per AT, caps/piles cored in 2009. Monitor A1P6 annually until repaired/replaced.			Department Comments	Replacement programmed	for 2015		
Maintenance Reviewed By Andre	w Smikle	es	Date 1	7-Dec-2012	Estimated Tota	al 0	

Proposed Long-Term Strategy	2004.06.10 With careful monitoring brdige caps shibridge could be ok until 2014.	ould be ok until 2009. Consider re	eplace 1 short cap off ice if needed. With repaired cap,
On 3-Year Program (Y/N)			
Proposed Action			
Previous Inspector's Name	Dave Lam	Previous Assistant's Name	
Next Inspection Date	09-Aug-2014	Previous Inspection Date	08-Dec-2010
Inspection Cycle (Default) (months)	21		
Comment			