						В	ridge Ir	nspe	ction							
Bridge File Num	nber	73666 -1	Bridge					For	т Туре)		PCS				
Year Built/Year		1973/197	'3					Lot	No.			1				
Supstr	Nama	CACTOR	<u> </u>					Insp	ector I	Name		Owen Salav	а			
Bridge or Town	Name			<i>F</i> 20 M	/ATEDO	DC (Insp	ector (Class		BR CLS A				
Located Over				, 5.20, VV	ATERC	RCRS-ST Assistant Name										
Located On	Λ/	861:02 C	1 2.248			Assistant Class										
Water Body Cl./							Inspection Date 13-Sep-2012									
Navigabil. Cl./Y		NE OFO	0. TIMP 0	0.005.4	4 10/484	Data Entry By Marcia Chavez										
Legal Land Loc		NE SEC			4 VV4IVI			Dat	a Entry	Date		03-Oct-2012				
Longitude, Latit	uae	-111:54:4			- \	Reviewer Name John O'Brien										
Road Authority	^	Alberta T	ransporta	ation (AI	1)			Rev	view Da	ate		27-Sep-2012	2			
Contract Main.		CMA21						Dep	ot. Revi	ewer N	ame	Andrew Smi	kles			
Clear Roadway	Skew	9.1 /	4 (4)					Dep	ot. Revi	ew Dat	е	22-Oct-2012				
AADT/Year 200 / 2011 (A)								Foll	ow-Up	Ву						
	Road Classification RCU-208-110															
Detour Length (Allowable Load		3	20		C =:	00	2.40			T		22.05		On Critic	al Casas	
Allowable Load	(i). Sin	gle CS1 GIRI			Semi		2 49 RDER			Train		3 65 RDER		> On Critic >Critical M	ai Spans ember	
Design Loading	:	HS2	0											> Primary S	Span	
						Po	sting Ir	nforn								
Required Load		(t)		Single					Semi				Truck Train			
Posted Loading	(t)			Single					Semi				Truck Train			
Posted:	Lane	NB		At Junc	tion (Y/N	1)	No		In Adv	Advance (Y/N)		No	At Bridge (Y/N) No		No	
Posted:	Lane	SB		At Junc	tion (Y/N	1)	No	In Advance (Y/N)		Y/N)	No	At Bridge (Y/N) No		No		
Remarks																
Hazard Marker	At Brido	ge (Y/N)	Yes													
Remarks				ocation,												
Other Sign Type	es		Bridge I	Varrows	100m Sc											
						Uti	lities (L	_oca	ted at)							
Utility Attachme	T	_						T -								
Telephone	East r							Gas		(Cross	es road 75m	South	າ.		
Power	150m	East of c/	1.						nicipal		_					
Others								Pro	blem (\	//N) N	No					
Remarks																
							Approa			(C	1	···				
Horizontal Alianmont				Lā	ast	Now	_		on of C							
Horizontal Alignment						5 5	5	to S	Farm entrance North side of bridge. Bridge in sag, hill to North, curve o South. Poor sight distance in both directions.							
Vertical Alignment		10.100			5	5		, count. I doi digiti dictalice in both directions.								
Roadway Width (m) 10.100					5	6										
Approach Bump	,		Yes			5	6	Too	ır @ NII	N/ brida	0.00	ner - photo.				
Guardrail (Y/N) Guardrail			162			4	4	l ea	u ₩ IVI\	iv bilag	e cor	n e i - piiolo.				
Length (m)			11.550			4	4									
Current Stand	lard (V/	NI)	No					Insu	ufficient	t length	& po	sts.				
Termination T	•	IN)	Turn Do)WD												
Drainage	уре		Tulli DC	74411		3	3	Ros	ad slone	es to br	idae	both abutme	nts. c	ausing headsle	ope erosion	
									- Giopi			abatine				
Approach Roa	d Gene	ral Rating	g			5	5									
								1								

				Ş	Supers	rstructure				
Bridge Compone	ent			Last	Now	Explanation of Condition				
(Primary Span : H	IC, 3 Span	s, Lengths(n	n): 6.1-8.5-6.1	, A-Ide	nt Nun	nber:)				
Special Features	i									
Special Feature					X					
(Type:)										
Special Feature					Х					
(Type:)										
Wearing Surface/[Deck Top I	Detail Ratings	5							
N (9	%)	1 (%)	2 (%)	3 (%)						
Last	10				5	Gravel along curbs.				
Now	10.0	0.0	0.0	0	.0	Graver along curbs.				
Wearing Surface				3	5	Minor wear in travel lane.				
(Material Type :	ACP)									
(Thickness(mm)	· · · · · · · · · · · · · · · · · · ·									
Lateral Connection		No								
(Y/N)		110								
Deck Top				3	N	(3 girders SP2 spalls @ buffer angles - photo. 28Aug2009) - Paved over.				
Deck Rideability				4	5					
Deck Joints				4	N	(Buffer angles damaged on 3 girders. 28Aug2009) - Paved over.				
Bump (Y/N)		No								
Deck Drainage				5	5	Gravel built up along curbs, not blocking drains.				
Drains Clogged	(Y/NI)	No				Graver balle up along carbs, flot blocking drains.				
Curbs/Median	(1/14)	110		3	3	Spall curb top S2, S end - photo.				
	ondord\			<u> </u>	<u> </u>	Spalls or cracking behind posts @ W - photo.				
(Curb Type : Sta	•									
Scaling (Percent	t Area)	5								
Bridge Rail				3	3	Single layer; collision damage throughout West side.				
(Type : GALVAI	NIZED ST	EEL FLEX BI	EAM)	1	1					
Bridge Rail Posts				3	3	Front bolts/washers bent/damaged at 9/13 posts on West curb.				
(Type : GALVAI STEEL)		ST STEEL;G	ALVANIZED	1						
Bridge Rail/Posts				6	6					
(Type : GALVAI	NIZED)			1						
Sidewalk				X	X					
Girder Detail Ratings										
		1 (count)	2 (count)	3 (cou	int)					
Last	,	()	- (200)	<u> </u>	7					
Now	0	0	0	1	<i>.</i> ∣1					
Girders	,			3	3					
Last Complete Ins	enection D	ate 13-Sep	-2012	3						
·	SPECIALITY D	·	LU 1 L			Narrow shear cracks in several girders.				
Cracking (Y/N) Yes						S2G2-4,7-10 wide cracks, 2 legs in AZ; unable to verify concrete,				
Spalling (Percent Area) 5 Lift or Connector Pocket No						looks ok. S3G3-7,10 cracks in AZ, looks ok.				
Grouted (Y/N)	UCKEL	No				S2G1,11 & S3G1,10 spalling in AZ.				
(Number Of Girde	ers : 33)									
Span Alignment										
Vertical (Y/N)		No								
Horizontal (Y/N)		Yes				30mm misalign over both piers - photo.				
Superstructure G				3	3					

					ructure					
Bridge Com	onent			Last	Now	Explanation of Condition				
Abutments										
(Extended I	Backwall Piles	s (Y/N) : Y)								
(Extended I	Backwall Piles	Spacing(mm) : 1600)							
(Total Numbe	er of Caps/Cor	rbels : 5:5)				145 x 280 spacer on top of caps.				
Bearing Seat	s/Caps/Corbe	ls Detail Ratir	ngs							
	N (count)	1 (count)	2 (count)	3 (cou	ınt)					
Last	1									
Now	1	0	0		0					
Bearing Seat	s/Caps/Corbe	ls		7	7					
	EATED TIMBI									
(Depth(mm		,								
(Width(mm)	•									
Backwalls/Br	·			7	7	Old backwall in place at North abutment 0.3m high.				
Greatest He		1.00				Old Sackwall in place at North assument old in high				
Wingwalls	Signi (III)	1.00		6	6					
Tringwalls										
(Total Number	er of Bearing F	Piles : 0:0)				Headslope to underside of cap.				
Piles Detail R	atings									
	N (count)	1 (count)	2 (count)	3 (cou	ınt)					
Last	100									
Now	100	0	0		0					
Piles				N	N					
Paint/Coating	J			Х	Х					
Abutment Sta	ability			5	5	South headslope steep, filter fabric exposed.				
Scour/Erosio	n			3	3	1m x 1m x 3m erosion @ SW; 0.7m x 0.9m x 4.0m erosion @ NE - photo.				
Piers/Bents										
(Type : PIE	R-COLUMN)					P1 - HP310. P2 - TT with 145 x 280 spacer.				
(Total Number	er of Caps/Cor	rbels : 1:5)				·				
Bearing Seat	s/Caps/Corbe	ls Detail Ratir	ngs							
_	N (count)	1 (count)	2 (count)	3 (cou	ınt)					
Last					·					
Now	0	0	0		0					
Bearing Seat	s/Caps/Corbe	ls		7	7					
	EATED TIMBI									
(Depth(mm										
(Width(mm)										
	er of Bearing F	Piles : 6:8)				P1 - HP310 black steel.				
Piles Detail Ratings						P2 - TT.				
	N (count)	1 (count)	2 (count)	3 (cou	ınt)					
Last										
Now	0	0	0		0					
Pier Shaft/Pil	es			7	7					
Greatest Ho	eight (m)	4.00								
Bracing/Strut				6	6	P1 - 150 x 150 square tubing. P2 - TT planks 68 x 280.				
Nose Plate				X	X	1 2 - 1 1 piants 00 x 200.				
Paint/Coating	1			Х	Х					
(Colour Des										
	de :)									

			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Pier Stability			7	
Scour			7	
Debris (Y/N)	No			
Substructure General Rating			5	
		5	Structu	re Usage
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				
(D/S Direction : W)				
Alignment		7	7	
Bank Stability		6	6	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection			6	
(Type : RIP RAP; NATURAL)			
Guidebank/Spurs			Х	
Adequacy of Opening			7	
(Fish Compensation Measure 1	: NONE)			
(Fish Compensation Measure 2	2 : NONE)			
Channel General Rating		6	6	

Alberta Transportation

				Maintenance Recommendations	ecommend	tions					
Inspector Recommendations	Year		Inspecto	Inspector Comments		Department Comments	ments		Target Year	Est. Cost	Cat#
REPAIR/REPLACE BRIDGE RAIL	2012	12	Replace required.	Replace West side including post anchors, as required.	nchors, as						
			6 rail pie	6 rail pieces, 18 anchor bolts c/w washers.	ashers.						
SEAL CURBS	2012	12	Patch ba	Patch backside & face 1m3 OH-V.							
PATCH DECK	2012	12	Grout po	Grout pockets as required.							
OVERLAY DECK											
STRAIGHTEN/REPLACE MEMBERS											
WASHING											
SHOTCRETE REPAIRS											
CORE TIMBER CAPS/CORBELS											
REPAIR/REPLACE TIMBER CAPS											
REPAIR ABUTMENT SCOUR/EROSION	NOI										
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL STRUTS											
OTHER ACTION	2012	12	Move ha	Move hazard markers to standard location.	cation.						
OTHER ACTION	2012	12	Replace	Replace 1 guardrail piece @ NW.							
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)		55.6/44.4	4	Sufficiency Rating (Last/Now) (%)		62.3/59.5	Est. Repl. Yr	2020	Maint. Reqd. (Y/N)		Yes
Special Monitor girders Comments for Next Inspection	ure problems	ý.				Department Comments					
Maintenance Reviewed By						Date		Ш	Estimated Total	0	
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	Owen Salava	ava			Previous A	Previous Assistant's Name					
Next Inspection Date	13-Dec-2015	115			Previous Ir	Previous Inspection Date	28-Aug-2009				
Inspection Cycle (Default) (months)	39										
Comment											

				Maintenance Re	ecommend	lations							
Inspector Recommendations	Y	/ear	Inspector	r Comments		Department C	Comme	nts		Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2	2012	required.	West side including post a		Programmed		2013					
SEAL CURBS	2	2012	Patch ba	ckside & face 1m3 OH-V.		Programmed				2013			
PATCH DECK	2	2012	Grout po	ckets as required.		Programmed				2013			
OVERLAY DECK													
STRAIGHTEN/REPLACE MEMBERS													
WASHING													
SHOTCRETE REPAIRS													
CORE TIMBER CAPS/CORBELS													
REPAIR/REPLACE TIMBER CAPS													
REPAIR ABUTMENT SCOUR/EROSIG	NC												
PLACE ADDITIONAL RIP RAP													
REMOVE DRIFT ACCUMULATION													
INSTALL STRUTS													
OTHER ACTION		2012		zard markers to standard l	ocation.	To operations	i			0040			
OTHER ACTION	2	2012	Replace	1 guardrail piece @ NW.		Programmed				2013	2013		
OTHER ACTION													
OTHER ACTION													
Structural Condition Rating (Last/No. (%)	ow) 5	5.6/44.		Sufficiency Rating (Last	/Now)	62.3/59.5	Es	t. Repl. Yr	2020	Maint. Re	qd. (Y/N)	Yes	
Special Monitor girders Comments for Next Inspection	re proble	ems.				Department Comments	Repla	cement progra	ammed fo	or 2019			
Maintenance Reviewed By	Andrew	Smikles	S			Date	05-De	c-2012		Estimated Tota	I 0		
Proposed Long-Term Strategy													
On 3-Year Program (Y/N)													
Proposed Action													
Previous Inspector's Name	Owen Sa	alava			Previous	Assistant's Nar	ne						
Next Inspection Date	13-Dec-2	2015			Previous	Inspection Date	e	28-Aug-2009					
Inspection Cycle (Default) (months)	39												

Daider de la caractica d	NA-:	0	(\M-L 000E)
Bridge Inspection &	iviaintenance	System	(vveb 2005)

73666 -1 Bridge

Alberta Transportation
Comment