							В	ridge Ir	nspecti	ion						
Bridge File Numb	er	7445	55 -1 I	Bridge					Form	Туре			SG			
Year Built/Year		1956	3/1956	6					Lot No	0.			1			
Supstr		0.4.0	<b>T</b> 00						Inspe	ctor N	ame		Owen Salav	a		
Bridge or Town N	ame			ODEEK	5.00.14	W.TEDO		O.T.	Inspe	ctor C	lass		BR CLS A			
Located Over				CREEK,	5.20, W	ATERC	RS-	51	Assist	tant N	ame					
Located On		12:14	4 C1	60.913					Assist	tant C	lass					
Water Body CI./Y									Inspe	ction [	Date		31-Aug-201	2		
Navigabil. Cl./Yea		NIE O	250.0	20 TMD (	77.005	4 4 10/40/			Data I	Entry	Ву		Marcia Chav	/ez		
Legal Land Locat				26 TWP :		14 VV4IV	1		Data I	Entry	Date		18-Sep-201	2		
Longitude, Latitud	ae			2, 52:12:		<b>-</b> \			Revie	wer N	lame		John O'Brie	n		
Road Authority				ansporta	ition (Al i	1)			Revie	w Dat	:e		06-Sep-201	2		
Contract Main. Ar		CMA							Dept.	Revie	wer N	ame	Andrew Smi	kles		
Clear Roadway/S	Kew	13.3		\dd (A)					Dept.	Revie	w Dat	e	22-Oct-2012	2		
AADT/Year				011 (A)					Follov	v-Up E	Зу					
Road Classification	-		-213.	.4-120					-							
Detour Length (kr		3	004	70		0	00	20.00		1.	<b>T</b> :		│ 33 115		00	
Allowable Load (t	).  Sin	gie	CS1 GIRD	73 DER		Semi		S2 96 RDER			Train		RDER		> On Criti	cai Spans ⁄lember
Design Loading:			HS20	)								'			> Primary	Span
							Po	sting Ir	nforma	tion					,	Ċ
Required Load Po	osting	(t)			Single					emi				Truc	k Train	
Posted Loading (t	t)				Single				S	emi				Truc	k Train	
Posted:	Lane	Е	В		At Junc	tion (Y/N	1)	No	In	n Adva	ance (\	Y/N)	No	At Bı	ridge (Y/N)	No
Posted:	Lane	W	√B		At Junc	tion (Y/N	1)	No	In	n Adva	ance (\	Y/N)	No	At Bı	ridge (Y/N)	No
Remarks	Not re	quire	d.													
Hazard Marker A	t Bridg	ge (Y/	N)	No												
Remarks				Not requ	uired.											
Other Sign Types	3															
							Ut	ilities (L	ocate	d at)						
Utility Attachment	ts Ti	ELEP	HON	E UTILIT	TIES-PH	ONE LIN	ΝE									
Telephone	South	side	unde	rside & N	1 & S r/w	<i>i</i> .			Gas							
Power :	5 wire	s 15m	n Nor	th and 2	wires Ea	ast end.			Munic	cipal						
Others	Fibre of	optic i	in N r	r/w. Cond hangers	duit betw	een G1/	/G2	length	Proble	em (Y	/N) \	Yes -				
				rackets		. ,	du iit									
remans	Dioke	man	iger b	rackets	along re	ido conc		Approa	ch Roa	ad						
						La	ast	Now			n of C	ondi	tion			
Horizontal Alignm	ent						6	6					mediately SE	of str	ucture.	
Vertical Alignmen							7	7	1				•			
Roadway Width (				13.200					Low a	rea at	t NW a	appro	ach along the	e trans	sition curb.	
Approach Bump							5	5					•			
Guardrail (Y/N)				Yes					East 6	end gu	uardrai	il turr	s into approa	ich en	trance - 7.6m	NE & SE
Guardrail							3	4	(type)	VI) 30	1 @ m(	NW. :	38m @ SW.		erail, insuffici	
Length (m)				34.300					NW te	a guar ermina	al end i	not la	apped correct	bridge ly.	ciali, IlibulliCl	on rongui.
Current Standa	rd (Y/l	N)		No												
Termination Typ	•			Turn Do	wn											
Drainage							4	4	7, 200	)9 CP	insped	ction)	er could caus } . 28Aug2010)	-	ding onto traf	fic lanes. May
Approach Road	Gene	ral Ra	ating	l			6	6		<u> </u>				•		

							tructure					
Bridge Com	ponent						Explanation of Condition					
		ns, Len	gths(r	n): 15.2-18.3-			Number: A0244-04;A0245-01;A0242-02)					
Special Feat		·										
Special Featu						Х						
(Type:)												
Special Featu	ure					X						
(Type:)	<u></u>											
	ace/Deck Top	Detail F	Ratings	<u> </u>								
Wearing Carr	N (%)	1 (%)	tumige	2 (%)	3 (%)							
Last	14 (70)	1 (70)		2 (70)	(70)							
Now	0.0	0.	.0	0.0	C	0.0						
Wearing Surf	ace	<u> </u>			5	5	Random cracking throughout.					
	ype : <b>CONCRE</b>	ETE)			-1							
(Thickness		/										
Deck Top	(11111) : 33)				N	N						
					+							
Deck Rideab	ility				6	6						
Deck Joints					3	4	E abut joint missing 0.7m section of extension in WBL.					
Temperature (deg. C) 27							Staining @ abut indicates joints are leaking. Missing S curb 3 cover plate bolts @ P2.					
(Expansion Type : SLIDING PLATES;GLAND (WAB TRANSFLEX, ETC))					O-MAU	IER,						
(Fixed Type : BUFFER ANGLES)												
Gap Size (mm) Gap Location												
3 Abut #1				<b>‡1</b>								
75 Pier #1												
75 Pier #1 67 Pier #2				2								
24	7 Pier #2											
Deck Drainag	ge				5	5	(Deck joints leak water onto abuts -					
Drains Clogged (Y/N) No							photo. 02/06/25) - Old stains visible. Superficial corrosion on 100% of drains. (Bird baths along S curb don't discharge to deck drain and gland to above pier 2. 28Aug2010).					
Curbs/Median					3	3	Anchorage on S curb deteriorating at rail posts.					
	: Standard)						Patched N curb failed, heavy scaling - photo.					
Scaling (Pe		.3	80				Gap below curb to ACP at NE corner.					
Bridge Rail	, , , , , , , , , , , , , , , , , , , ,		-		4	6	Double layer; scrape to 1st S2 post a S curb, 4 posts on S1.					
	LVANIZED ST	reel el	FY P	FAM)								
Bridge Rail P		LLLII	D		3	4	Several anchor bolts with insufficient thread and/or no washers.					
(Type : GA	LVANIZED PO	OST ST	EEL;G	ALVANIZED		-						
STEEL) Bridge Rail/P	osts Coating				6	6						
	LVANIZED)											
Sidewalk	,				Х	Х						
Girder/Beam	1											
Cover Plate					3	N	{4 coverplate welds at ends are cracked. 7 coverplate stitch welds					
Flange					7	7	are cracked. May 7, 2009 CP inspection}					
Web					7	7						
Stiffeners					X	X	1					
Splice					7	7						
Weld					3	N	{There are numerous cracked welds. May 7, 2009 CP inspection}					
							1					

			Supers	tructure
Bridge Component				Explanation of Condition
	engths(m): 15.2-18.3-2	24.4, A	-Ident I	Number: A0244-04;A0245-01;A0242-02)
Diaphragms/Cross Frame		3	3	{There are 23 cracked welds on diaphragms, 1 broken bolt and 1 broken plate. All are marked on HC girders. May 7, 2009 CP inspection}
Paint Condition		6	6	
(Colour Description : )				Brown.
(Colour Code : )				Diowii.
Touchup Required (Y/N)	No			
Bearings		4	4	{East abutment bearings not accessible. Bearings are heavily
Temperature (deg. C)	27			corroded. Pier 2 North bearing bolt is cracked. Bearings displaced from design. OK as is. May 7, 2009 CP inspection}
(Expansion Type : ROCKER B	EARING)			W abut bearings are heavily corroded.
(Fixed Type : ROCKER BEAR	NG)			
Coating Adequate (Y/N)	No			
Functioning (Y/N)	Yes			
Deck Underside		4	4	Efflorescence through random cracking. Some delaminations @
Stains (Percent Area)	10			South side near East pier. Worst @ South side near West pier.
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		3	3	Cracked cover plate welds. GR was 3 from 07May2009.
			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		5	5	Minor scaling at bearing seat.
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls		5	5	
Wingwalls		6	6	Wide crack at SW near backwall.
Piles		N	N	
Paint/Coating		4	4	Parging is failing on W abut; E abut not accessible.
Abutment Stability		6	6	
Scour/Erosion		5	5	Minor run-off gullies at A1.
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		5	5	
(Type : CONCRETE)				
(Total Number of Bearing Piles :	4:4)			Vertical cracks on all concrete columns with delam (photo).
Pier Shaft/Piles		4	4	Check caps for shear capacity. (Heavy scaling below waterline of Epier. 07May2009 CP Inspection). Cracked base of East pier cap (photo).
Bracing/Struts/Sheathing		Х	Х	
Nose Plate		Х	Х	
Paint/Coating		Х	Х	Peeling.
(Colour Description : )				Tinted sealer.
(Colour Code : )				
Pier Stability		7	7	

			Subst	ructure					
Bridge Component		Last	Now	Explanation of Condition					
Scour		6	6						
Debris (Y/N)	No								
Substructure General Rating		4	4						
			Structu	re Usage					
		Last	Now	Explanation of Condition					
Channel									
(U/S Direction : S)				Sharp bend immediately U/S.					
(D/S Direction : N)									
Alignment			5						
Bank Stability			6						
HWM (m below Top of Curb)				HWM not visible.					
Drift (Y/N)	Yes			Beaver dam/rock dam 20m North of bridge.					
Slope Protection		7	7	Natural at West.					
(Type: NATURAL; NATURA	L)			Rock wall at East - natural.					
Guidebank/Spurs		Х	Х						
Adequacy of Opening		6	6						
(Fish Compensation Measure 1	· · · · · · · · · · · · · · · · · · ·								
(Fish Compensation Measure 2	: NONE)								
<b>Channel General Rating</b>		5	5						

Alberta Transportation

Inspector Recommendations	nendations	Year	Inspector Comments	Department Comments	ments	_	Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL	E BRIDGE RAIL								
GALVANIZE/PAINT BRIDGE RAIL	JT BRIDGE RAIL								
RETROFIT BRIDGE RAIL	3E RAIL								
SEAL CURBS		2012	Repair or replace curbs.						
PATCH DECK									
SEAL DECK		2012							
OVERLAY DECK									
REPAIR/REPLACE DECK JOINTS	E DECK JOINTS								
RESET/ PAINT BEARINGS	EARINGS								
REPAINT SUPERSTRUCTURE	STRUCTURE								
STRAIGHTEN/RE	STRAIGHTEN/REPLACE MEMBERS								
WASHING									
SHOTCRETE REPAIRS	PAIRS								
REPAIR ABUTME	REPAIR ABUTMENT SCOUR/EROSION								
PLACE ADDITIONAL RIP RAP	VAL RIP RAP								
REMOVE DRIFT ACCUMULATION	ACCUMULATION								
OTHER ACTION		2012	Install missing bolt on S curb cover plate at P2.						
OTHER ACTION		2012	Notify utility company of broken conduit hangers.						
OTHER ACTION		2012	Seal substructure concrete.						
OTHER ACTION		2012	Consider for rehab - curbs, piers, misc.						
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condit (%)	Structural Condition Rating (Last/Now) (%)	38.9/38.9	Sufficiency Rating (Last/Now) (%)	64.3/65.2	Est. Repl. Yr	2020	Maint. Reqd. (Y/N)		Yes
Special Comments for Next Inspection	(Very poor diaphragm & cover plate welds; reduce covery 5yrs. 07May2009 CP Inspection).	ver plate ction).	welds; reduce coverplate inspection to every	Department Comments					
			Page 5 of 6						

Alberta Transportation

Maintenance Reviewed By		Date	Estimated Total 0	0 1
Proposed Long-Term Strategy	2005.03.10 Bridge will most likely require rehab in 2020 when it is 64 years old. Should be good until 2040.	20 when it is 64 years old. Shoo	uld be good until 2040.	
On 3-Year Program (Y/N)				
Proposed Action				
Previous Inspector's Name	Randy Bredo	Previous Assistant's Name	Bryce Clayton	
Next Inspection Date	31-May-2014	Previous Inspection Date	28-Aug-2010	
Inspection Cycle (Default) (months) 21	21			
Comment				

		Maintenance Recommen	dations			
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL						
GALVANIZE/PAINT BRIDGE RAIL						
RETROFIT BRIDGE RAIL						
SEAL CURBS	2012	Repair or replace curbs.	Defer, Replacement programmed	2022		
PATCH DECK						
SEAL DECK	2012					
OVERLAY DECK						
REPAIR/REPLACE DECK JOINTS						
RESET/ PAINT BEARINGS						
REPAINT SUPERSTRUCTURE						
STRAIGHTEN/REPLACE MEMBERS						
WASHING						
SHOTCRETE REPAIRS						
REPAIR ABUTMENT SCOUR/EROSION						
PLACE ADDITIONAL RIP RAP						
REMOVE DRIFT ACCUMULATION						
OTHER ACTION	2012	Install missing bolt on S curb cover plate at P2.	Next time on site			
OTHER ACTION	2012	Notify utility company of broken conduit hangers.	Defer			
OTHER ACTION	2012	Seal substructure concrete.	Completed 2011			
OTHER ACTION	2012	Consider for rehab - curbs, piers, misc.	Defer, Replacement programmed	2022		
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						

				dations								
OTHER ACTION												
Structural Condi	ition Rating (Last/N	low) 38.9	9/38.9	Sufficiency Rating (Last/N	low)	64.3/65.2	Est. Repl. Yr	2020	Maint. Re	eqd. (Y/N)	Yes	
Special Comments for Next Inspection	(Very poor diaphra 5yrs. 07May2009 C	gm & cover   P Inspection	plate welds; r n).	educe coverplate inspection	to every	Department Comments	Currently programmed for replacement in 2022.					
Maintenance Rev	riewed By	Andrew Sm	nikles		Date	19-Nov-2012 Estimated Total 0						
Proposed Long-T	2005.03.10 Bridge will most likely require rehab in 2020 when it is 64 years old. Should be good until 2040.											
On 3-Year Progra	am (Y/N)											
Proposed Action												
Previous Inspector's Name Randy Bredo				dy Bredo Previous A			ne Bryce Claytor	/ce Clayton				
Next Inspection D	ate	31-May-20	14		Inspection Date 28-Aug-2010							
Inspection Cycle	(Default) (months)	21										
Comment												