							3	Bridge Ir	nspect	ion						
Bridge File Num	nber	715	04 -1 I	Bridge					Form				PSR			
Year Built/Year		195	8/1958	 B					Lot No.				2			
Supstr									Inspe	ctor N	lame		Wade Nanninga			
Bridge or Town	Name								Inspector Class			BR CLS A				
Located Over		BUC ST	CKLAR	KE CREI	ΞK, 6.13	2.2, W	ATER	RCRS-	Assistant Name							
Located On		616	:02 C1	1 5.565					Assistant Class							
Water Body Cl./	Year						·				10-Aug-2012					
Navigabil. Cl./Ye	ear									Data Entry By			Theresa Lacusta			
Legal Land Loca	ation	SW	SEC 4	4 TWP 4	8 RGE	6 W5M				Data Entry Date			15-Jan-2013			
Longitude, Latit	ude	-114	14:49:14, 53:06:19						Reviewer Name			Eric Carcoux				
-			Ilberta Transportation (AIT)						Review Date			17-Sep-2012				
Contract Main.	Area	CMA	411								ewer N		Paul Catt			
Clear Roadway	/Skew	7.9	/								ew Date	e	18-Jan-2013	3		
AADT/Year			/ 201						Follov	v-up i	Ву					
Road Classifica			J-209-	-110					-							
Detour Length (20														
Allowable Load	(t): Sir	ngle	CS1			Semi		S2 50 RDER			Train		3 66 RDER		> On Critic	al Spans Iember
Design Loading	:		HS20					- COLIN					<u> </u>		> Primary	
							Po	sting Ir	nforma	tion					, , , , , , , , , , , , , , , , , , , ,	- P
Required Load I	Posting	j (t)			Single					emi				Truc	k Train	
Posted Loading	(t)				Single				S	emi				Truck Train		
Posted:	Lane	E	В		At Junc	ction (Y	/N)	No	Ir	Adva	ance (Y	//N)	No	At Bridge (Y/N) No		No
Posted:	Lane	١	VB		At Junc	ction (Y	/N)	No	In Advance (Y/N)			No At Bridge (Y/N) No			No	
Remarks	Not re	equire	ed.													
Hazard Marker	At Brid	ge (Y	/N)	Yes												
Remarks				To low -	- not inst	talled @	g star	ndard lo	cation.							
Other Sign Type	Other Sign Types															
Livin And							Ut	ilities (L	_ocate	d at)						
Utility Attachme			- 6 1	-1 /	114\				0							
Telephone Power			th r/w.	dge (cor	iduit).				Gas	inal						
Others	I WIFE	NOI	.f1 f/W.						Munic	•						
Remarks	Talue	conc	luit br	oken in r	many nla	2000			Problem (Y/N) Yes							
Remarks	Telus	CONC	iuit bit	okenini	nany pia	10 0 5.		Approa	ch Roa	ad						
							Last				n of C	ondi	tion			
Horizontal Align	ment						7	7	No passing, farm access. At bottom of sag curve. Limited sign					ed sight		
Vertical Alignme							6	6	distance to West.				Ü			
Roadway Width	(m)			8.800					Wide	crack	F side	of F	ast naving lin			
Approach Bump				0.000			6 4		Wide crack E side of East paving lip. Posted for 80kmh- ruts @ approach.							
Guardrail (Y/N)			Yes	0				No blocks @ first 3 por		posts, insufficient length, not thrie heam type						
Guardrail				6 6		No blocks @ first 3 posts, insufficient length, not thrie beam type.				oan typo.						
Length (m) 15.400																
	Current Standard (Y/N) No															
Termination T	•	,		Turned	Down				1							
Drainage							N	4	Erosio	Erosion gully @ NE corner - photo. Windrows impeding drainage.						
Approach Road	d Gene	eral R	Rating	l			6	6		301		.g wit				

						Supers	structure			
Bridge Com	ponent				Last	Now	Explanation of Condition			
(Primary Spa	ın : PO, 2 Sp a	ans, Ler	ngths(m): 18.3-18.3,	A-Iden	t Num	ber:)			
Special Feat	ures									
Special Feat	ure					X				
(Type :)										
Special Feat	ure					X				
(Type:)										
Wearing Surf	face/Deck Top	o Detail	Rating	IS						
	N (%)	1 (%)		2 (%)	3 (%)					
Last										
Now										
Wearing Surf	face				4	4	Approx 4m2 peeled near East abutment and pier joint - photo.			
(Material T	ype : CONVE	NTIONA	AL CH	IP SEAL COA	T)		Small pothole near pier. thickness - 90mm			
(Thickness					·		- tillchiess - 9011111			
	ection Proble	m	No							
Deck Top					N	N				
·							<u> </u>			
Deck Rideab	ility				7	6				
Deck Joints					7	7	_			
Temperatu	· · · · ·		4							
· · · · · ·				AUER, TRANS	SFLEX,	ETC))				
	e : BUFFER A	ANGLES	3)				_			
Gap Size (mm) Gap Location										
70 E abut				ut			_			
65 Pier						_				
73			W ab	ut			_			
							_			
							_			
Deck Drainag	70				7	7	Bridge on slight grade & appears to drain to East.			
Drains Clog					'		bridge of slight grade & appears to drain to East.			
Curbs/Media					1		Madium applies as 50/ of such face			
					4	4	Medium scaling on 5% of curb face. South ext cracked, some local delams.			
	: Standard)		 5				SE accident damage @ post - beginning to affect pan.			
	ercent Area)		3		-		N. C. C. C. N.W. J. J. J.			
Bridge Rail					7	4	Not lapped correctly @ NW - double layer Missing 1 anchor bolt twisted off @ NE corner - photo.			
	LVANIZED S	IEELF	LEX E	SEAWI)						
		OST ST	EEL;	GALVANIZED	3 POST	3	Dirty.			
STEEL)	anta Cantina				7	7	-			
Bridge Rail/P					7	7				
Sidewalk	LVANIZED)				X	X				
Sidewalk					^					
Girder Detail	Ratings									
N (count) 1 (count) 2 (count)			3 (cou	unt)	SP1G2, SP2G1, 3 all have narrow long. crack b/w web and flange					
Last 0 0 0				10	extending into transition. SP1G2 has medium diagonal crack extending from haunch into top fla.					
Now										
Girders					3	4	S1G1 spalled @ West end - photo. All other girders with vertical			
Cracking (\	//N)		Yes				crack at ends.photo - typ. debonded patch over post-tension in ducts.			
Spalling (P	ercent Area)		15							
(Number Of 0	Girders : 10)									

			Supers	tructure				
Bridge Component				Explanation of Condition				
(Primary Span : PO, 2 Spans, Lo	engths(m): 18.3-18.3,			·				
Diaphragms/Cross Frame	<u> </u>	6	6					
1 3								
Bearings		4	4	Shoe plates over bearings have caused minor chips at bearings.				
Temperature (deg. C)	-6			Scaling rust on all bearings. Appears frozen @ 4 corners.14-Feb-11 AB at SW twisted.				
(Expansion Type : SLIDING PI	LATE)			AB twisted at G5 SP1 over pierphoto				
(Fixed Type : SLIDING PLATE	E)							
Coating Adequate (Y/N)	No							
Functioning (Y/N)	No		_					
Deck Underside		4	4	4 local delam patches.				
Stains (Percent Area)	1			3 cracks with effloresence East side of pier between G4/5.				
Span Alignment Problems								
Vertical (Y/N)	No							
Horizontal (Y/N)	No							
Superstructure General Rating	1	3	4					
Pridge Component		Loct		ructure Explanation of Condition				
Bridge Component Abutments		Last	Now	Explanation of Condition				
Bearing Seats/Caps		6	6					
(Type : CONCRETE)		1 0	0					
Backwalls/Breastwalls		6	6					
Dackwalls/ Dreastwalls								
Wingwalls		6	6					
		N	N					
Piles	Piles							
Paint/Coating		X	X					
· · · · · · · · · · · · · · · · · · ·		1						
Abutment Stability		7	7					
Scour/Erosion		5	5					
SCOUI/E10SIOI1			3					
Piers/Bents								
(Type : PIER-SOLID)								
Bearing Seats/Caps		7	7					
(Type : CONCRETE)								
(Total Number of Bearing Piles :	0)			Medium-Narrow Map cracking along nose of S face.				
Pier Shaft/Piles		5	5					
Bracing/Struts/Sheathing			Х					
Nose Plate		X	X					
Paint/Coating			5	Beginning to peel.				
(Colour Description :)		5 5		grey				
(Colour Code :)								
Pier Stability		7	7					
Scour		N	N					
Dobrio (V/N)	Vaa			Consult down we down beiders				
Debris (Y/N)	Yes			Small dam under bridge.				

			ructure					
Bridge Component L			Now	Explanation of Condition				
Substructure General Rating		5	5					
			·					
			Now	re Usage				
Channel		Lasi	INOW	Explanation of Condition				
(U/S Direction : S)								
(D/S Direction : N)								
Alignment		7	7					
Bank Stability			4	Vertical cut bank West side, typical U/S & D/S.				
HWM (m below Top of Curb)				HWM not visible.				
Drift (Y/N)	No							
Slope Protection		5	5	Concrete bags @ East & riprap @ West.				
(Type: RIP RAP; CONCRETE	()							
Guidebank/Spurs			X					
Adequacy of Opening			7					
(Fish Compensation Measure 1 :	NONE)	l						
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		4	4					

			Maintenance Ro	ecommendations				
Inspector Recomm	nendations	Year	Inspector Comments	Department Cor	nments	Target Yea	r Est. Cost	Cat #
REPAIR/REPLAC	E BRIDGE RAIL	2013	Replace sheared NE post A/B.					
GALVANIZE/PAIN	IT BRIDGE RAIL							
SEAL CURBS								
PATCH DECK		2013	Patch chipseal where bare deck exp	oosed.				
SEAL DECK								
OVERLAY DECK								
REPAIR/REPLAC	E DECK JOINTS							
RESET/ PAINT BI	EARINGS							
WASHING								
SHOTCRETE RE	PAIRS							
REPAIR ABUTME	NT SCOUR/EROSI	NC						
PLACE ADDITION	NAL RIP RAP							
REMOVE DRIFT	ACCUMULATION							
OTHER ACTION		2013	Relocate utility to South ditch & rem conduit/hardware.	nove				
OTHER ACTION		2013	Patch approach bumps.					
OTHER ACTION		2013	Patch curb @ SE.					
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
Structural Condi (%)	tion Rating (Last/No	ow) 44.4/50	0.0 Sufficiency Rating (Last/	Now) 52.2/53.2	Est. Repl. Yr	2024 Maint.	Reqd. (Y/N)	Yes
Special Comments for Next Inspection	Monitor pier scaling Monitor girder crack	Ss.		Department Comments				
Maintenance Reviewed By				Date		Estimated To	otal 0	
Proposed Long-Te	erm Strategy							
On 3-Year Progra	m (Y/N)							
Proposed Action								
Previous Inspecto	r's Name	Arnold Assenh	eimer	Previous Assistant's Name	Wade Nannir	nga		
Next Inspection Date 10-No		10-Nov-2015		Previous Inspection Date	14-Feb-2011			
•	Default) (months)	39						

Alberta Transportation Bridge Inspection & Maintenance System (Web 2005)

71504 -1 Bridge

Comment