						В	ridge Ir	nspec	tion							
Bridge File Number 74954 -1 Bridge						J		туре		PSR						
Year Built/Year		1959/195	59						10.			2				
Supstr									Inspector Name Kris Boste			Kris Bosters	ers			
Bridge or Town	Name					TEDODO			Inspector Class			BR CLS A				
Located Over		WHITE E	ARTH C	REEK, 6	5.45, WA ⁻	TER	RCRS-	Assistant Name								
Located On		28:08 C1	22.829						Assistant Class							
Water Body Cl./	Year								Inspection Date 27-Mar-2012							
Navigabil. Cl./Ye								Data	Entry							
Legal Land Loca		NE SEC	22 TWP	59 RGE	16 W4M			Data	Data Entry Date 04-Apr-2012							
Longitude, Latitu	ıde	-112:18:0	04, 54:06:	60					Reviewer Name Eric Carcoux							
Road Authority Alberta Transportation (AIT)				T)	-			Review Date 04-Apr-2012								
Contract Main. Area CMA07							Dept. Reviewer Name			Brent Herrick						
Clear Roadway/Skew 11 /							Dept. Review Date			11-Apr-2012	2					
AADT/Year		3,140 / 2	011 (A)						Follow-Up By							
Road Classificat	ion	RAU-213														
Detour Length (I	km)	3														
Allowable Load			40 DER				32 50 RDER			Train					On Critical Spans ritical Member	
Design Loading:	<u> </u>	HS2	0		'									> Primary	Span	
						Ро	sting Ir	nform	ation							
Required Load F	Posting	(t)		Single				5	Semi				Truck Train			
Posted Loading	(t)			Single				Semi				Truck Train				
Posted:	Lane	EB		At Juno	tion (Y/N	l)	No	I	n Adv	ance (Y	//N)	No	At Bridge (Y/N) No		No	
Posted:	Lane	WB		At Junc	tion (Y/N	l)	No	In Adva		ance (Y	′/N) No		At Bridge (Y/N)		No	
Remarks	Not re	equired.														
Hazard Marker	At Brid	ge (Y/N)	No													
Remarks																
Other Sign Type	:S															
						Uti	lities (L	ocate	ed at)							
Utility Attachme	nts															
Telephone	North	& South r	/w.					Gas								
Power		s North r/						Muni								
Others	WSC	- SE, Fibe	r North r	W.				Prob	lem (Y	′/N) N	lo_					
Remarks																
							Approa					(!				
Horizontal Aliena	mont				La	est	Now	Explanation of Condition								
Horizontal Alignma						6	7		Intersections to East & West. Crest curve each way, no passing.							
Vertical Alignme			12 000			7	/		Wide cracks in ACP at ap			۸۵۵	at iointa ia a	acked and		
Roadway Width Approach Bump	` '		13.000			5	4		e сгаск lingр		r at	approaches.	ACP	at joints is Cr	acked and	
Guardrail (Y/N)			Yes			J	4				ficion	nt length & po	nete no	ar hridaa		
Guardrail (17/N)			169			6	4							· ·		
Length (m)			28.000			U	-	Missing 7 bolts NE corner, posts leaningphoto								
Current Stand	ard (V	NI)	No					Missing 3 bolts SW corner. Turndown end at NE and SE , set too highphoto								
	,	11)		Down				Turn	down	end at l	NE a	nd SE , set to	oo higl	nphoto		
Drainage	Termination Type Turned Down Drainage				6	6	23/Sept/08 L2 inspection indicated a 24mm dia hole allowing wonto the West abutment22-Dec-2008				owing water					
		. = .					_	-								
Approach Road	d Gene	eral Rating	9			6	6									

			5	Supers	tructure
Bridge Component					Explanation of Condition
(Primary Span : PO, 2 Spans, Le	ngths(r	n): 18.9-18.9	, A-Iden	t Numb	per:)
Special Features					
Special Feature				Х	Dewidag bars added.
(Type:)					Girder strengthening has been installed.
Special Feature				X	
(Type:)					
Wearing Surface/Deck Top Detail	Ratings	5			
N (%) 1 (%)		2 (%)	3 (%)		
Last					
Now					
Wearing Surface			5	5	Chipseal over epoxy over HDOL.
(Material Type : CONCRETE - 0	CONVE	NTIONAL CH	HIP SEA	L	Minor loss of seal coat along deck joints.
COAT)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	No				
Deck Top			N	N	
Dock 10p			.,	.,	
Deck Rideability			6	6	
Deck Joints			5	3	(25mm dia hole on approach side of the West abutment joint allows water onto the abutment22-Dec-2008)
Temperature (deg. C)	1				
(Expansion Type : GLAND (WA	BO-MA	UER, TRAN	SFLEX,	ETC))	Pier joint between G1 & 2, East abutment joint between G3 & 4 is leaking causing spalling on backwall and deck undersidephotos
(Fixed Type :)					
Gap Size (mm)	<u> </u>	ocation			
43		abutment			
40	Pier				
43	East a	butment			
2 1 2 1					
Deck Drainage			6	3	Pier and East joints leaking.
Drains Clogged (Y/N)	No			1 .	l
Curbs/Median			4	4	Numerous spot rusting on vertical face due to low cover. 25% of curb face and top has heavy spalling/scalingphoto
(Curb Type : Standard)	4.0				-
Scaling (Percent Area)	10			T _	
Bridge Rail			6	5	Double layer. Not spliced correctly, minor tears and dents on both rails.
(Type: GALVANIZED STEEL F	-LEX B	EAM)			
Bridge Rail Posts			4	4	90% insufficient threads. Some don't come through the nut. Nuts are loose at SW postphoto
(Type: GALVANIZED POST S'STEEL)	TEEL;G	ALVANIZED	POST		·
Bridge Rail/Posts Coating			5	5	
(Type : GALVANIZED)			, ,		
Sidewalk			Х	Х	
- Contain			^	_ ^	
Girder Detail Ratings					
N (count) 1 (co	unt)	2 (count)	3 (cou	ınt)	
Last					
Now					
Girders			5	5	Typical girder shoe cracks. Poor patches @ girder ends South side
Cracking (Y/N)	Yes				on pier & end of S1G1, West.
Spalling (Percent Area)	0				

			Supers	tructure				
Bridge Component				Explanation of Condition				
(Primary Span : PO, 2 Spans, L	engths(m): 18.9-18.9,			· •				
Diaphragms/Cross Frame		6	6	25% paint failure.				
Bearings		4 4		Abutment bearings are extended past masonary plate worst at East abutment with 10mm past platephoto				
Temperature (deg. C)	1			Heavy scaling rust.				
(Expansion Type : SLIDING P				Fixed at piers.				
(Fixed Type : PINNED BEARI				- Indu di pioto.				
Coating Adequate (Y/N)	No							
Functioning (Y/N)	Yes							
Deck Underside		6	4	Old forms left in place near West abutment. Narrow transverse				
Stains (Percent Area) 2				cracking with efflorescent staining. Water leaking through cracks at W abutment is causing bearings to rust and salt stainingphoto Spalls & rust staining where water is leaking through joints at pier and East abutmentphotos				
Span Alignment Problems								
Vertical (Y/N)	No							
Horizontal (Y/N)	No							
Superstructure General Rating]	4	4					
			Subst	ructure				
Bridge Component		Last	Now	Explanation of Condition				
Abutments								
Bearing Seats/Caps		5	5	Deteriorated patching at West abutment South end.				
(Type : CONCRETE)								
Backwalls/Breastwalls		6	5	Localized medium scaling @ East & West abutment. 1.5mx1.0m spall @ East abutment between G3 & 4photo				
Wingwalls		5	5					
Piles		N	N					
Paint/Coating		X	Х					
Abutment Stability		6	6					
Scour/Erosion		6	6					
Piers/Bents								
(Type : PIER-SOLID)				Narrow cracking on S end of pier cap.				
Bearing Seats/Caps		5	5					
(Type : CONCRETE)								
(Total Number of Bearing Piles :	0)			Massive concrete pier.				
Pier Shaft/Piles		5	5					
Bracing/Struts/Sheathing		X	X					
Nose Plate		Х	Х					
Paint/Coating		Х	Х					
(Colour Description :)								
(Colour Code :)								
Pier Stability		7	7					
Scour		7	7					
Debris (Y/N)	No							
Substructure General Rating		5	5					

		5	Structu	re Usage				
		Last		Explanation of Condition				
Channel								
(U/S Direction : N)				Bend on U/S.				
(D/S Direction : S)								
Alignment			5					
Bank Stability			6					
HWM (m below Top of Curb)				HWM not visible.				
Drift (Y/N)	Yes			Beaver dam across U/S channel, 60m North.				
Slope Protection			5	Excess concrete broken from deck remains high on headslope.				
(Type : NATURAL)								
Guidebank/Spurs		X	X					
Adequacy of Opening		7	7					
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		5	5					

74954 -1 Bridge

		Maintenance Recomme	endations					
Inspector Recommendations	Year	Inspector Comments	Department Comm	nents		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL	2012	Tighten loose bolts @ SW bridge post.						
GALVANIZE/PAINT BRIDGE RAIL								
SEAL CURBS	2012	Patch and seal curbs.						
PATCH DECK								
SEAL DECK								
OVERLAY DECK								
REPAIR/REPLACE DECK JOINTS								
RESET/ PAINT BEARINGS	2018	Reset bearings @ next major rehab.						
WASHING								
SHOTCRETE REPAIRS								
REPAIR ABUTMENT SCOUR/EROSIC	N							
PLACE ADDITIONAL RIP RAP								
REMOVE DRIFT ACCUMULATION								
OTHER ACTION	2012	Install hazard markers.						
OTHER ACTION	2012	Replace missing GR bolts(17) and reset leaning posts @ NE.						
OTHER ACTION	2012	Reset approach rail turn doen ends to correct height.	et					
OTHER ACTION	2012	Patch and seal cracks in ACP.						
OTHER ACTION								
OTHER ACTION								
Structural Condition Boting /Last/No					2020	Maint Do	qd. (Y/N)	Yes
Structural Condition Rating (Last/No (%)	w) 50.0/50	Sufficiency Rating (Last/Now) (%)	55.7/55.5	Est. Repl. Yr	2030	iviaini. Re	qu. (1/1 1)	
(%) Special Comments for	(w) 50.0/50	(%)	Department Comments	Est. Repl. Yr	2030	Maint. Re	qu. (1/14)	
(%) Special Comments for Next Inspection	w) 50.0/50	(%)	Department	Est. Repl. Yr		Estimated Tota		
Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy	w) 50.0/50	.0 Sufficiency Rating (Last/Now) (%)	Department Comments	Est. Repl. Yr				
Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy	(w) 50.0/50	Sufficiency Rating (Last/Now) (%)	Department Comments	Est. Repl. Yr				
Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N)	(w) 50.0/50	.0 Sufficiency Rating (Last/Now) (%)	Department Comments	Est. Repl. Yr				
Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action	Shane Hall	(%)	Department Comments	Est. Repl. Yr				
Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name		(%)	Department Comments Date	Est. Repl. Yr				
Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Next Inspection Date	Shane Hall	(%)	Department Comments Date Date					