					E	3ridae_	nsped	ction_							
er 7	72142 -1 Bridge					Form Type			TH						
	1987/1949							Lot No.			8				
							Insp	Inspector Name			Paul Carrier				
lame (CARLOS						· · ·	Inspector Class							
			8, 6.150,	WATE	RCR	S-ST	Ass	Assistant Name							
	LOCAL R	OAD					Ass	Assistant Class							
							Insp	Inspection Date			28-Mar-2012	2			
							Data	· · · · · · · · · · · · · · · · · · ·			Marcia Chav	/ez			
				8 W5	M		Data				10-May-201	2			
							Rev	Reviewer Name			Jason Saly				
		•		Г)			Rev	iew Da	ate		24-Apr-2012				
			4				Dep	t. Revi	ewer l	Name	Andrew Smi	kles			
		-					Dep	t. Revi	ew Da	ate	15-May-201	2			
		. ,					Follo	ow-Up	By						
-		G-90					_								
): Sing	le H 29	INGER		Semi			SEAM		Train				> On Critical Spans		
				1					<u> </u>						
	-	-			P	osting	nform	nation					, ,		
earanc	e Posting	g (m)													
learand	ce (Y/N)		Yes												
EB	On Br	idge (m)	5.9 I	n Adva	ance	(Y/N)	No	Lane	WB	С	n Bridge (m)	5.9	In Advanc	e (Y/N)	Yes
osting (t)		Single					Semi			Truck Train				
t)			Single					Semi			Truck Train				
ane	EB		At Junc	tion (Y	′/N) No			In Advance (Y/N)		No	At Bridge (Y/N) No				
ane	WB		At Junc	tion (Y	′/N) No			In Advance (Y/N)		No	At Bridge (Y/N) No				
t Bridge	e (Y/N)	No													
		HM req	uired. At	tached	l post	to outs	ide of	steel e	end po	ost.					
)km/h									
					Ut	tilities	Locat	ed at)							
ts															
							Gas	· · · · ·			ple pipelines X-ing 100m E				
3 OH w	vire 15m	N of c/l.					Mur	Municipal							
							Prob	olem (\	(/N)	No					
					Lect					Condi	tion				
ont							<u> </u>	-							
							end	s.			nz. curves DO	uı			
IL					5	5		Posted 50 km/h.							
m)		11 200					· · · · · · · · · · · · · · · · · · ·								
Roadway Width (m) 11.200 Approach Bump					7	5	Roa	dway v	vidth r	measured 60m to W.					
		Vec				-	-				· ·				, dua
		res			2	4	to d	irt/sno	splice v/mud	DUIIS 8	at invv & 4 at a	∋⊏; ui	INDE TO SEE	U ends	suue
		21.000			3	4	-				easured 20 0	m ət (SIN/ 22 1m a	t SE 21	am at
rd (V/N)						NW	& 29.8	Sm at S	SW.	easureu 29.2	mal	Jvv, ZZ.4111 d	ι <u>σ</u> Ε, ΖΙ	.əm at
•)			N			-								
ype TURNED DOWN				4	3		Amt of gravel under approach rail forcing all drainage to leak through deck.					hrough			
	Iame 1 Iame I Iame I <td< td=""><td>1987/194 Iame CARLOS BAPTIST IOCAL R ear IOCAL R ar IIST ion NW SEC de -115:04:3 Alberta T Alberta T rea UNDEFIN ikew 6.7 / 0 de 75 / 2008 75 / 2008 m) 999 isisingle H 29 garance VIN earance VON BR osting (t) STR ane EB ane EB ane EB ane WB sis IS ane STR ane EB ane WB ane WB ane IS anent IS</td><td>I987/1949 Iame CARLOS BAPTISTE RIVER LOCAL ROAD ear LOCAL ROAD ar LOCAL ROAD ar Alberta Transporta frea UNDEFINED CMA Alberta Transporta Alberta Transporta rea UNDEFINED CMA ikew 6.7 / 0 deg. 75 / 2008 (E) F on RLU-208G-90 m) 999 Single H 29 STRINGER HS20 HS20 earance (Y/N) On Bridge (m) Isane EB Lane EB Lane EB are WB t Bridge (Y/N) No tBridge (Y/N) No HM requistra Fivate is I11.200</td><td>1987/1949 Iame CARLOS BAPTISTE RIVER, 6.150, LOCAL ROAD ear ar IUCAL ROAD ear IUCAL ROAD ion NW SEC 34 TWP 42 RGE Alberta Transportation (AIT rea UNDEFINED CMA ikew 6.7 / 0 deg. 75 / 2008 (E) T on RLU-208G-90 m) 999 i: Single HS20 HS20 earance (Y/N) Yes EB On Bridge (m) learane EB At Junc Lane EB At Junc ane EB At Junc ane EB At Junc ane EB At Junc ane Yes Sodd Wire 15m N of c/l. Yes ane Yes ane Yes</td></td<> <td>Image: Ample of the second second</td> <td>er 72142 - 1 Bridge 1987/1949 Iame CARLOS BAPTISTE RIVER, 6.150, WATERCR BAPTISTE RIVER, 6.150, WATERCR LOCAL ROAD ear AIDETISTE RIVER, 6.150, WATERCR AIDETISTE RIVER, 6.150, WATERCR AIDETISTER RIVER, 6.150, WATERCR AIDETISTE RIVER AIDETISTE RIVER, 6.150, WATERCR AIDETISTE RIVER, 6.150, WATERCA AIDETISTE RIVER</td> <td>er 72142 - 1 Bridge 1987/1949 Hame CARLOS BAPTISTE RIVER, 6.150, WATERCRS-ST LOCAL ROAD ear ar ar ion NW SEC 34 TWP 42 RGE 8 W5M LOCAL ROAD ear ar ion NW SEC 34 TWP 42 RGE 8 W5M </td> <td>er 72142 - 1 Bridge Form 1987/1949 Lot BAPTISTE RIVER, 6.150, WATERCRS-ST Lot BAPTISTE RIVER, 6.150, WATERCRS-ST Ass LOCAL ROAD Ass ear Insp aion NW SEC 34 TWP 42 RGE 8 W5M Date de -115:04:31, 52:39:53 Rev Alberta Transportation (AIT) Rev rea UNDEFINED CMA Dep rea UNDEFINED CMA Dep rea MBCFINER Semi HS 44 FOIL Follow Pep rea NNU SEC 34 TWP 42 RGE 8 W5M Dep rea MNDEFINED CMA Dep rea STRINGER Semi HS 44 FOIL Follow Transportation (AIT) Rev standard STRINGER Semi HS 44 HS20 Follow Follow No standard Single Insp Semi Semi aane EB At Junction (Y/N) No Insp aane WB At Junction (Y/N)</td> <td>1987/1949 Lot No. Iame CARLOS Inspector (Assistant f) BAPTISTE RIVER, 6.150, WATERCRS-ST Assistant f) LOCAL ROAD Assistant f) ear Assistant f) ar Data Entry Alberta Transportation (AIT) Reviewer I rea Alberta Transportation (AIT) Reviewer I rea UNDEFINED CMA Dept. 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Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

				ch Road					
				Last	Now	Explanation of Condition			
Approach Road Gener	al Rating			4	4				
		tructure							
Bridge Component				1	Explanation of Condition				
(Primary Span : TH, 1 Spans, Lengths(m): 61, A-Ident Number: A0178-02)									
Special Features									
Special Feature					X	ID tag at SW batter post broken off batter post.			
(Type :)						Broken plaque bears No. A-178-2.			
Special Feature					X				
(Type :)									
Wearing Surface/Deck	Fop Detail	Ratings	3						
N (%)	1 (%)		2 (%)	3 (%)					
Last 20		0	1	2	25	Snow & mud along curbs covering edge of deck.			
Now 10.0	0	.0	0.0	0	0.0				
Wearing Surface/Deck	Гор			2	7	Single hole in strip deck centered over gap in sub deck.			
(Material Type : TREA		BER)				Some wear in wheelpaths; many splinters/mud along wheelpaths.			
(Plank Thickness(mm) : 75)								
(Plank Width(mm) : 30)0)								
Deck Rideability 4									
Deck Joints				X	X				
Temperature (deg. C)		5							
(Expansion Type :)									
(Fixed Type :)									
Gap Size (mm)		Gap L	ocation						
Curbs/Wheel Guards				N	6	On 100x300 TT blocking.			
(Curb Type : Standar	d)					Has much mud & wood splinters covering wheelguards; chained vehicles on deck.			
(Type : TREATED TIN	(IBER)								
(Thickness(mm) : 150)								
(Width(mm) : 300)									
Bridge Rail				8	7	Triple layer flexbeam.			
(Type : GALVANIZED	STEEL F	LEX BI	EAM)						
Bridge Rail Posts/Block	ng			4	4	TT blocking on bridge all present.			
(Type : TREATED TIN	BER;TRE	ATED	TIMBER)			Blocks at end posts splitting, rotating.			
Bridge Rail/Posts Coatin	ng			6	7				
(Type : GALVANIZED)								
Sidewalk				Х	Х				

					Supers	structure					
Bridge Comp	onent			Last	Now	Explanation of Condition					
(Primary Spa	n : TH, 1 Spa i	ns, Lengths(m): 61, A-Ide	nt Numb	ber: A0	178-02)					
Wide Load D	amage (Y/N)	Yes									
High Load Da	amage (Y/N)	Yes				W portal has small 20mm dent. W batter posts have 32 bullet holes or dents.					
Top Chord				7	7	Typical packed rust on 50% of bottom sway bracing.					
Batter Posts				3	3	Upper sway bracing has welds in place of bolts, 20 open holes. Bottom sway braces 50% deformed by pack rust.					
Sway Bracing	js			4	4	m5m6n has a lose bolt @ m6 that spins.					
Diagonals				3	3	L2 vin has 5 bullet dents and a dent 20 - 100mm 3m above deck.					
Verticals				3	3	(10mm dent 3m above deck.					
Portals				4	4	L1U2 has 10 open bolt holes and 15 bullet holes - photo L8U8 has 4mm x 100mm bullet scar - photo. 14Jul2008) - no access					
Connections				4	4	to verify.					
Floor Beams				7	7	Missing bolt at L2S.					
Bottom Chord	ł			5	5	Bottom chord has gravel accumulation throughout.					
(No. of String	ers : 90)					10 bays with 9 stringers each.					
Stringer Deta	· · · · · · · · · · · · · · · · · · ·					36 were not accessible; avoided walking on ice due to uncertain spring conditions.					
	N (count)	1 (count)	2 (count)	3 (cou	unt)						
Last											
Now						_					
Stringers				7	7						
(Type : STE	EL)					_					
(Width(mm)	: 140)										
(Depth(mm) : 380)					_					
(Spacing(m	m) : 853)										
Paint Condition	on			5	5	Peeling in some areas between top					
(Colour Des	scription : YEL	LOW)				coats. 1% rust spots.					
(Colour Co	de : 13538)										
Touchup R	Touchup Required (Y/N) No										
Bearings				3	4	NE bearing with welds in place of nuts on the W side.					
Temperatur	e (deg. C)	5				N bolt bent; the slots are too wide for this configuration. Missing AB on the outside of the NE bearing.					
	Type : REINF		OPRENE BEA	RING W	VITH	All bearings photoed. Trusses jammed against E abut.					
			NE BEARING	G WITH							
Functioning	(Y/N)	Yes									
Sub Deck/De	ck Underside			5	7	Sub deck installed with wide gaps throughout (photo available).					
	/pe : TREATE	D TIMBER)									
	kness(mm) : 1	· · · · · ·									
	h(mm) : 300)										
Defects (Pe	ercent Area)	0									
Span Alignm	ent Problem	s									
Vertical (Y/	N)	No									
Horizontal (Y/N) No											
Superstruct	ure General R	Rating		5	3						
					Subst	ructure					
Bridge Com	onent			Last	Now	Explanation of Condition					
Abutments											
(Extended I	Backwall Piles	s (Y/N) : Y)				2 wing piles + 2 ext. piles / corner.					
		Spacing(mm	\. 4000\								

		Subst	ructure					
Bridge Component	Last	Now	Explanation of Condition					
(Total Number of Caps/Corbels : 8:12)		All caps/corbels are 305x305 H-iron.						
Bearing Seats/Caps/Corbels Detail Ratings			Corbels below bearings consist of 3 steel H-iron welded together pe					
N (count) 1 (count) 2 (count)	3 (cou	unt)	Caps below are single H-irons (2 per corner) - see photos of all bearing locations.					
Last 0 0 0		0						
Now 0 0 0	0							
Bearing Seats/Caps/Corbels	7	7						
(Type : STEEL)								
(Depth(mm) : 300)								
(Width(mm) : 300)			-					
Backwalls/Breastwalls	4	5						
Greatest Height (m) 2.70								
Wingwalls	4	N	(SE wingwall plank broken at furthest pile - photo. 14Jul2008) - covered in snow/mud.					
(Total Number of Bearing Piles : 8:8)			4 steel piles per bearing point.					
Piles Detail Ratings			-					
N (count) 1 (count) 2 (count)	3 (cou	unt)	-					
Last 0 0 0	0		4					
Now 0 0 0		0	-					
Piles	7	7						
Paint/Coating	4	4	Bearing systems being slowly buried; need to clean-off to allow drying.					
Abutment Stability	7	7 (E abut sheathing has 1 plank broken, 1 split. NE not low enoug gap between planks exposig fill. 150mm. 14Jul2008) - all snow/ covered.						
Scour/Erosion	8	8						
Piers/Bents								
(Type :)								
(Total Number of Caps/Corbels :)								
Bearing Seats/Caps/Corbels Detail Ratings								
N (count) 1 (count) 2 (count)	3 (cou	unt)						
Last 0 0 0		0						
Now								
Bearing Seats/Caps/Corbels	Х	Х						
(Type:)			1					
(Total Number of Bearing Piles :)								
Piles Detail Ratings			1					
N (count) 1 (count) 2 (count)	3 (cou	unt)						
Last 0 0 0		0						
Now								
Now Pier Shaft/Piles	Х	X						
Pier Shaft/Piles	X	X						
	X X X	X						
Pier Shaft/Piles Greatest Height (m)								
Pier Shaft/Piles Greatest Height (m) Bracing/Struts/Sheathing	X	X						
Pier Shaft/Piles Greatest Height (m) Bracing/Struts/Sheathing Nose Plate Paint/Coating	X X X	X X						
Pier Shaft/Piles Greatest Height (m) Bracing/Struts/Sheathing Nose Plate Paint/Coating (Colour Description :)	X X X	X X						
Pier Shaft/Piles Greatest Height (m) Bracing/Struts/Sheathing Nose Plate Paint/Coating	X X X	X X						

			Subst	ructure			
Bridge Component		Last	Now	Explanation of Condition			
Debris (Y/N)	No						
Substructure General Rating			7				
		S	Structu	re Usage			
		Last	Now	Explanation of Condition			
Channel							
(U/S Direction : S)				Cut bank @ SE away from bridge.			
(D/S Direction : N)							
Alignment		6	6				
Bank Stability			5				
HWM (m below Top of Curb)				HWM Not visible.			
Drift (Y/N)	No						
Slope Protection		8	8				
(Type : RIP RAP; RIP RAP)							
Guidebank/Spurs							
Adequacy of Opening			7				
(Fish Compensation Measure 1	: NONE)						
(Fish Compensation Measure 2	: NONE)						
Channel General Rating		5	5				

Alberta Transportation

			Maintenance Rec	commend	ations					
Inspector Recommendations	Year	Inspecto	or Comments		Department Comr	nents		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL	2012	Install sp to bridge	oacer blocks & bolts at each e erail; use TT plywood & keepe	end post ers.						
RETROFIT BRIDGE RAIL										
SEAL CURBS										
PATCH DECK	2012	Lower n	ail heads in strip deck.							
SEAL DECK										
OVERLAY DECK										
REPLACE STRIP DECK										
REPLACE SUB DECK										
RESET/ PAINT BEARINGS	2012	Install m	issing anchor bolt at SW bear	ring.						
REPAINT SUPERSTRUCTURE										
STRAIGHTEN/REPLACE MEMBERS	2012	Repair a	all bullet dents, holes & missing	g bolts.						
WASHING	2012	Wash br	ridge & all signs.							
SHOTCRETE REPAIRS										
CORE TIMBER CAPS/CORBELS										
REPAIR/REPLACE TIMBER CAPS										
REPAIR ABUTMENT SCOUR/EROSION	N									
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION	2012	Clean-o	ut combustible chips under E	abut.						
OTHER ACTION		Install al	I 4 HMs.							
OTHER ACTION	2012	Recast / (silicone	A-ident No. A-178-2 & re-insta /bolts).	all						
OTHER ACTION	2012	Clean-o	ut gravel under approach flext	beam.						
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/Nov (%)	v) 50.0/55	.6	Sufficiency Rating (Last/No	ow) 3	86.8/34.0	Est. Repl. Yr	2024	Maint. Red	qd. (Y/N)	Yes
Special Consider banning cha	ains or convert	next strip	deck to Ekki wood.		Department					
Comments for Next Inspection					Comments					
Maintenance Reviewed By					Date			Estimated Total	0	
					Dale		L		0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Colin Roy			Previous A	Assistant's Name					
Next Inspection Date 2	8-Jun-2015			Previous I	nspection Date	14-Jul-2008				

Inspection Cycle (Default) (months)	39
Comment	