Bridge File Number 74222 - 1 Bridge Form Type SG							Br	idge Ir	rspe	ction						
Inspector Name HARDISTY Inspector Name HARDISTY Inspector Class BR CLS A						For										
Bridge or Town Name Data Entry Ry BATTLE RIVER, 5, WATERORS-ST Inspector Class R CLS A							Lot	Lot No.			4					
Located Over									Inspector Name			Owen Salava				
Located On		Name			· \\/\TC	TEDODO OT						BR CLS A				
Water Body CL/Year Navigabil. CL/Year Legal Land Location NE SEC 25 TWP 42 RGE 10 W4M Date Longitude, Latitude -111:18:19, 52:39:06 Road Authority Alberta Transportation (AIT) Review P Name John O Brien John					, WAIE	KCKS-S	,83-31			Assistant Name						
Navigabil. CL/Year Legat Land Location NE SEC 25 TWP 42 RGE 10 W4M Data Entry Data 15-Jul-2012		Voor	13:16	C1 41.934						Assistant Class						
Legal Land Location					Ir				·			28-Jun-2012				
Longitude, Latitude			NE SE	C 25 TWD	C 25 TMD 42 DCE 10 M/4M											
Review Nation			_		L											
Contract Main. Area CMA16						т\										
Dept. Review Pare Dept. Review Pare 19-Jul-2012				· ·	11011 (711	.,										
AADT/Year				<u> </u>												
Road Classification RAU-211.8-110 Detour Length (km) 35 Allowable Load (f): Single CS1.42 GIRDER Semi CS2.57 GIRDER Semi GIRDER Semi Single Semi		<u> </u>		/ 2011 (A)								е	19-Jul-2012			
Detour Length (km) 35		ion		. ,					Foll	ow-Up	Ву					
Allowable Load (t): Single CS1 42 GIRDER Semi CS2 57 GIRDER Train CS3 71																
Posting Information Single Semi Truck Train						Semi			7		Train				> On Critical Spans >Critical Member	
Required Load Posting (t) Single Semi Truck Train	Design Loading:		Н	IS20											> Primary	Span
Posted Loading (t)							Pos	sting Ir	nforn	nation						
Posted: Lane EB	Required Load Posting (t)				Single				Semi					Trucl	Truck Train	
Posted: Lane WB	Posted Loading	(t)			Single				Semi					Trucl	Truck Train	
Remarks Not required. Hazard Marker At Bridge (Y/N) Yes Remarks Other Sign Types River ID - missing. Utilities (Located at) Utility Attachments Telephone Attached inside South girder & @ North & South r/W. Power Pothers Others Remarks Approach Road Last Now Explanation of Condition Horizontal Alignment 8 8 8 At bottom of sag curve. Vertical Alignment 6 6 6 Roadway Width (m) 11.400 Approach Bump 6 6 6 Guardrail (Y/N) Yes Type A. Curved section at NW. Guardrail (Y/N) Yes Termination Type TURNED DOWN Drainage 7 7 7								No In Advance (Y/N)								
Hazard Marker At Bridge (Y/N) Yes						tion (Y/N	l) N	No	In Adva		ance (Y	//N)	No	At Bridge (Y/N) No		No
Remarks Other Sign Types River ID - missing. Utilities (Located at) Utility Attachments Telephone Attached inside South girder & @ North & South fr/w. Power Others Remarks Approach Road Last Now Explanation of Condition Horizontal Alignment 8 8 8 At bottom of sag curve. Vertical Alignment 6 6 6 Roadway Width (m) 11.400 Approach Bump 6 6 6 Guardrail (Y/N) Yes Guardrail (Y/N) Yes Termination Type TURNED DOWN Drainage 7 7 7																
Utility Attachments Telephone Attached inside South girder & @ North & South r/w. Power Others Remarks Approach Road Last Now Explanation of Condition Horizontal Alignment 8 8 8 At bottom of sag curve. Vertical Alignment 6 6 6 Roadway Width (m) 11.400 Approach Bump 6 6 6 Guardrail (Y/N) Yes Termination Type TURNED DOWN Drainage 7 7 7		At Brido	ge (Y/N	l) Yes												
Utility Attachments Telephone Attached inside South girder & @ North & South r/w. Power Others Remarks Approach Road Last Now Explanation of Condition Horizontal Alignment 8 8 8 At bottom of sag curve. Vertical Alignment 6 6 Roadway Width (m) 11.400 Approach Bump 6 6 6 Guardrail (Y/N) Yes Guardrail Length (m) 30.000 Current Standard (Y/N) Yes Termination Type TURNED DOWN Drainage 7 7 7																
Utility Attachments Telephone Attached inside South girder & @ North & South r/w. Power Others Remarks Approach Road Last Now Explanation of Condition Horizontal Alignment Vertical Alignment Vertical Alignment Vertical Alignment Salabamp Guardrail (Y/N) Guardrail Length (m) Current Standard (Y/N) Problem (Y/N) Salabamp G 6 Current Standard (Y/N) Problem (Y/N) Gas Municipal Problem (Y/N) Explanation of Condition At bottom of sag curve. Type A. Curved section at NW. Minor dents and scrapes. I Type A. Curved section at NW. Minor dents and scrapes. Drainage Type A. Curved section at NW. Minor dents and scrapes.	Other Sign Type	!S		River IL	- missir	ng.	HARR	ition (I		tad at						
Telephone	Litility Attachmen	nte					Otili	illes (L	_OCal	leu al)						
Power Problem (Y/N) No		· ·	ned insi	ide South air	der & @	North &	Sou	ıth	Gas	<u> </u>	8	Om S	South			
Problem (Y/N) No	Тетерионе	r/w.	100 11131	gii								, OIII C	Journ.			
Remarks Approach Road Last Now Explanation of Condition Horizontal Alignment 8 8 8 Vertical Alignment 6 6 6 Roadway Width (m) 11.400 Approach Bump 6 6 6 Guardrail (Y/N) Yes Type A. Curved section at NW. Minor dents and scrapes. Termination Type TURNED DOWN Drainage 7 7 7	Power										′/N) N	 lo				
Approach Road Last Now Explanation of Condition	Others										,					
Horizontal Alignment Babase At bottom of sag curve.	Remarks															
Horizontal Alignment Vertical Alignment 6 6 Roadway Width (m) Approach Bump Guardrail (Y/N) Guardrail Length (m) Current Standard (Y/N) Termination Type Turninage At bottom of sag curve.													_			
Vertical Alignment Roadway Width (m) Approach Bump Guardrail (Y/N) Guardrail Length (m) Current Standard (Y/N) Termination Type Turned Turned 6 6 6 Current Type A. Curved section at NW. Minor dents and scrapes. Minor dents and scrapes.	Llevinent-LAU								1							
Roadway Width (m) Approach Bump Guardrail (Y/N) Guardrail Length (m) Current Standard (Y/N) Termination Type Turninge Turninge Type A. Curved section at NW. Minor dents and scrapes. Type A. Curved section at NW. Minor dents and scrapes.									At D	outtom (or sag c	urve				
Approach Bump 6 6 Guardrail (Y/N) Yes Type A. Guardrail 6 6 Length (m) 30.000 Current Standard (Y/N) Yes Termination Type TURNED DOWN Drainage 7 7			11 100	11 400		0	ט									
Guardrail (Y/N) Yes Type A. Guardrail 6 6 Length (m) 30.000 Current Standard (Y/N) Yes Termination Type TURNED DOWN Drainage 7 7	• • • • • • • • • • • • • • • • • • • •			11.400	11.400		6	6								
Guardrail 6 6 6 Length (m) 30.000 Current Standard (Y/N) Yes Termination Type TURNED DOWN Drainage 7 7			Vec	Voc		U	U	Typ	Funo A							
Length (m) 30.000 Current Standard (Y/N) Yes Termination Type TURNED DOWN Drainage 7 7	` ′			169	res		6 6		Curved section at NW.							
Current Standard (Y/N) Yes Termination Type TURNED DOWN Drainage 7 7				30,000	30,000		0 0		Min	or dent	s and s	crape	es.			
Termination Type TURNED DOWN Drainage 7 7																
Drainage 7 7					D DOWI	N										
Approach Road General Rating 6 6		,,,,,,		. 374.42			7	7								
	Approach Road	d Gene	eral Rat	ting			6	6								

Bridge Component (Primary Span : RB, 3 \$					ed in order to	
						Explanation of Condition
(Filliary Spair, ND, 3 C	enane Lo	nathe/i	m): 10 5-24 4-1			·
Special Features	paris, Le	nguisti	11). 19.5-24.4-	13.3, A	luciii	Number: A0217-01)
Special Feature					Х	
(Type:)						-
Special Feature					X	
(Type:)		D ::				
Wearing Surface/Deck Top Detail Ratings						
N (%)	1 (%)		2 (%)	3 (%)		_
Last 0		0	0		0	
Now 0.0		0.0	0.0		0.0	
Wearing Surface				7	7	
(Material Type : ACP	- CONVE	NTION	AL CHIP SEAL	COAT		
(Thickness(mm): 90)						
Deck Top				N	N	
Deck Rideability				7	7	
Deck Joints				7	7	
Temperature (deg. C)		20				
(Expansion Type : OT	HER)					
(Fixed Type :)						
Gap Size (mm)		Gap I	_ocation			
85		E. ab	ut			
85		W. at	out			
						-
Deck Drainage				7	7	
Drains Clogged (Y/N)		No				
Curbs/Median				5	5	Vertical cracks every 400mm on curbs.
(Curb Type : Standar	d)					
Scaling (Percent Area	· I	5				
Bridge Rail	,			7	7	Retrofit HSS 152x203 rail installed.
(Type : GALVANIZEI	STEEL	SBIDGE	TIIRE\	1		TAGRORETION TOZAZOW TAIL HISIAIIEU.
Bridge Rail Posts	JILEL E	SKIDGE	L TOBL)	7	7	
(Type : GALVANIZED	DOST S	TEEL .				-
STEEL)		· EEL,	PALVAINIZED	-031		
Bridge Rail/Posts Coati	ng			7	7	
(Type : GALVANIZED						
Sidewalk					Х	
Girder/Beam						
Cover Plate				7	7	
Flange				6	6	Minor sag in bottom flanges, all spans - typical (photo).
Web			7	7		
Stiffeners			7	7		
Splice			7	7	1	
Weld			7	7	1	
Diaphragms/Cross Fran	ne			7	7	
- aprilagillo, 01000 i lai	.5			,		

			C	Anna Anna Anna
Bridge Component				Explanation of Condition
(Primary Span : RB , 3 Spans , I	 engths(m): 19 5-24 4-4			•
Paint Condition	-enguis(iii). 13.3-24.4-	6	6	Spot rusting on outside web of exterior girders.
(Colour Description : GREEN	1	0	0	Spot rusting on outside web of exterior gliders.
(Colour Code : 14193))			
Touchup Required (Y/N)	No			
	INO	5		Abutment out bearings correcting
Bearings Temperature (deg. C)	20	5	5	Abutment ext bearings corroding.
(Expansion Type : ROCKER				
(Fixed Type : PINNED BEAR				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside	103	7	7	
Stains (Percent Area)	5	'		
Span Alignment Problems	3			
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Ratin		5	5	
	9			
			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		7	7	Spall on SE parapet wall.
Piles		N	N	
Paint/Coating		Х	Х	
Abutment Stability		7	7	
Scour/Erosion		6	6	
Piers/Bents				
(Type : PIER-SOLID)				Vertical cracks in both piers - 1mm wide.
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles	: 0:0)			
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		7	7	No nose plate on East pier. No paint on nose plate.
Paint/Coating		4	4	Unpainted, surface rust.
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		N	N	Muddy water.
Debris (Y/N)	No			
Substructure General Rating		7	7	

		5	Structu	re Usage
			Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction: N)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				No visible HWM.
Drift (Y/N)	No			
Slope Protection		6	6	Some scattered Class I at E pier.
(Type: NATURAL; NATURAL				
Guidebank/Spurs		Х	X	
Adequacy of Opening			8	
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		6	6	

			Maintenance Red	commend	ations						
Inspector Recommendations	Year	Inspe	ector Comments		Department Com	nments		Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL											
GALVANIZE/PAINT BRIDGE RAIL											
RETROFIT BRIDGE RAIL											
SEAL CURBS		ĺ									
PATCH DECK											
SEAL DECK											
OVERLAY DECK											
REPAIR/REPLACE DECK JOINTS											
RESET/ PAINT BEARINGS											
REPAINT SUPERSTRUCTURE											
STRAIGHTEN/REPLACE MEMBERS											
WASHING											
SHOTCRETE REPAIRS											
REPAIR ABUTMENT SCOUR/EROSI	ON										
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/N (%)	low) 66.7/6	6.7	Sufficiency Rating (Last/N	low) 5	57.3/57.3	Est. Repl. Yr	2040	Maint. Re	qd. (Y/N)	No	
Special Comments for Next Inspection					Department Comments						
Maintenance Reviewed By					Date		E	stimated Total	0		
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)	Υ										
Proposed Action	2007.04.06 A	dd to 20	009 Rehab program. ACP overlay	and patch	n membrane as re	quired.					
Previous Inspector's Name	Owen Salava	wen Salava			Assistant's Name						
Next Inspection Date	28-Mar-2014			Previous Inspection Date 31-Aug-2010							

Alberta Transportation Bridge Inspection & Maintenance System (Web 2005)

74222 -1 Bridge

Inspection Cycle (Default) (months)	21
Comment	