							Bridge In	nspection							
Bridge File Num	ridge File Number 13587 -1 Bridge						Ŭ	Form Type			PSR				
Year Built/Year 1965/1965							Lot No.			2					
Supstr								Inspector	Name		Jason Saly	,			
Bridge or Town	Name	WAINW	RIGHT					Inspector Class			BR CLS A				
Located Over BATTLE RIVER, 5, WATERCRS						ST		Assistant Name							
Located On		41:18 C	1 17.724					Assistant Class							
Water Body CI./	Year							Inspectio			27-Nov-20	12			
Navigabil. Cl./Ye	ear										Marcia Chavez				
Legal Land Loca	ation	NW SEC	29 TWP	46 RGE	6 W4N	Λ		Data Ent			15-Jan-2013				
Longitude, Latitu	ude	-110:50:	58, 52:59	49				Reviewer	•		John O'Brien				
Road Authority		Alberta	Fransporta	ation (Al	T)			Review D			14-Dec-20				
Contract Main.	Area	CMA15		· · · · ·											
Clear Roadway/	Skew	9.1 / 20	deg. (RHF	-)				· · ·			Andrew Sn				
AADT/Year		1,220 / 2	•	,				Dept. Re		ate	17-Jan-201	3			
Road Classificat	tion	RAU-21	. ,					Follow-U	р Ву						
Detour Length (18						-							
Allowable Load	<u> </u>		53		Semi	С	S2 66	1	Train	CS	3 84		> On Criti	cal Spans	
			RDER			G	IRDER			GI	RDER		>Critical N	Nember	
Design Loading:		HS2	20			-							> Primary Span		
Required Load F	Postina	(†)		Single		P	osting In	nformation Semi				Truck Train			
Posted Loading		(1)									Truck Train				
Posted:		NB		Single At Junction (Y/N)		(N.I.)	No	Semi		(V/NI)	No			No	
Posted:	Lane	SB					No	In Advance (Y/N) In Advance (Y/N)		. ,	No	At Bridge (Y/N) At Bridge (Y/N)		No	
	Lane SB At Junction (Not required.					IN)	INU						INU		
Remarks			×												
Hazard Marker	At Bria	ge (Y/N)	Yes												
Remarks			Too low						70 / 11						
Other Sign Type	es		Informa	tion; "Ba	attle Riv			ep Grade 7							
	-1-					U	tilities (L	ocated at)						
Utility Attachme		,						0							
Telephone	West	r/w.									gas line 10	as line 100m West.			
Power								Municipa							
Others								Problem	(Y/N)	No					
Remarks															
								ch Road		•					
					L	_ast	-	Explanation of Condition							
Horizontal Align						6	6	Long horiz. curve to S commences 400m from bridge. Steep grade (+8%) to N of bridge, (+7%) to S; limited sight di					sight distance		
Vertical Alignme						5	5								
Roadway Width (m) 10.200							(Repaved Wide tran	(Repaved approaches 2007. Birdbath @ SE approach. 16A Wide transverse crack at end of approach slab, typical both				. 16Aug2009 both ends			
Approach Bump)					6	6				•	•		2001 0100.	
Guardrail (Y/N)			Yes					(Imprope	r lap @	SW tu	irn down. 16	Aug20	09). Il section: ctr	el posts cast	
Guardrail						6	6	into conc	rete cat	ch bas	sins.		11 350ti011, Stt	101 20313 6031	
Length (m)			30.500					Length e	ktends i		rade 100+m hrie beam ti). Consitio	0		
Current Stand	ard (Y/	N)	No					inoriorig	enough	. 1101 1	ine beani li	ลารแบ	1.		
Termination T	уре		Turned	Down											
Termination Type Turned Down						Ν	N	Snow covered.							
Drainage															
Drainage Approach Road						5	5								

						tructure
Bridge Com						Explanation of Condition
		ns, Lengths(I	n): 25.9-25.9-2	25.9, A-	Ident I	Number:)
Special Feat						
Special Featu	ure				X	
(Type :)						-
Special Featu	ure			X		
(Type :)						
Wearing Surf	ace/Deck Top	Detail Rating	<u>S</u>			
	N (%)	1 (%)	2 (%)	3 (%)		_
Last	10	0	0	(0	Snow covered.
Now	20.0	0.0	0.0	0	.0	
Wearing Surf	ace			6	6	FRSF conc. o/l 2007. 2009 Deck Testing report indicated no
(Material Ty	pe : CONCRI	ETE)				debonding & epoxy had been injected into the c/l cold jnt.
(Thickness	(mm) : 75)					
Lateral Conn (Y/N)	ection Problem	n No				
Deck Top				N	N	
Deck Rideabi	ility			7	7	
Deck Joints				N	N	Cannot see glands due to snow & debris.
Temperatu	re (deg. C)	-10				
(Expansion	Type : GLAN	D (WABO-MA	UER, TRANS	FLEX,	ETC))	
(Fixed Type	e : GLAND (W	ABO-MAUER	, TRANSFLE	X, ETC))	
Gap Size (r	nm)	Gap L	ocation			
66		North	abutment			
75		North	pier			
72		South	pier			
63 South abutment						
Deck Drainag	ae			N	N	On grade. Old weep tube leakage caused stains on exterior girders.
Drains Cloc	-	No				
Curbs/Media				N	N	(Light scaling @ top. 16Aug2009). Snow covered.
	: Standard)					
Scaling (Pe		5				
Bridge Rail		v		6	6	One slat is bent on West rail, minor. Panel 3 NE parapet cracking at
U				0	0	rail connection.
Bridge Rail P				6	6	(Minor grout deterioration @ post bases. 16Aug2009).
(Type : GA		OST STEEL;G	ALVANIZED	-	0	
STEEL) Bridge Rail/P	osts Coating			7	7	
(Type : GALVANIZED) Sidewalk					Х	
Girder Detail	Ratings					
N (count) 1 (count) 2 (count)					nt)	
Last	0	0	0	(0	
Now	0	0	0	(0	
Girders				5	5	Minor spalling at shoe plates common to "0" girders.
Cracking (Y	′/N)	No			-	
	ercent Area)	1				1
(Number Of (· · · · · · · · · · · · · · · · · · ·					

Alberta Transportation

			Supers	tructure					
Bridge Component		Last	Now	Explanation of Condition					
(Primary Span : PO, 3 Spans, Lo	engths(m): 25.9-25.9-2	25.9, A	-Ident I	Number:)					
Diaphragms/Cross Frame		7	7						
Bearings	_	4	4	Abut bearings are painted; steel portion.					
Temperature (deg. C)	-10			Some girder shoes have cracks/spalls typical of movement in these units.					
(Expansion Type : REINFORC	ED PAD BEARING)			Grout pad cracked P1E; A1 pads are distorted; A2G4,5 bearing pads					
(Fixed Type : REINFORCED P	AD BEARING)			are cantilevered due to movement and/or spalled grout pad.					
Coating Adequate (Y/N)	Yes			_					
Functioning (Y/N)	Yes								
Deck Underside		6	5	Minor spall at S2 btwn G2-3.					
Stains (Percent Area)	1								
Span Alignment Problems									
Vertical (Y/N)	No			_					
Horizontal (Y/N)	No								
Superstructure General Rating	J	4	4						
			Cubat						
Bridge Component		Last	Now	ructure Explanation of Condition					
Abutments		Lasi	NOW						
Bearing Seats/Caps		5	5	Horiz. ck in the S abut below G2S1.					
(Type : CONCRETE)		0	J						
Backwalls/Breastwalls		7	7						
		, '	<u> </u>						
Wingwalls			7						
Piles		N	N	Buried.					
Paint/Coating		5	5						
Abutment Stability		7	7						
Scour/Erosion		5	6	(Small erosion gullies @ NE. 07Mar2011).					
Piers/Bents									
(Type : PIER-SOLID)				(Class V finish restored in 1990. 16Aug2009).					
Bearing Seats/Caps		5	5	1% medium scaled. 800mm of old finish exposed above water.					
(Type : CONCRETE)				Minor spalls @ S pier. Wide vertical cracking, N pier.					
(Total Number of Bearing Piles :	0:0)								
Pier Shaft/Piles		6	6						
Bracing/Struts/Sheathing		X	X						
Nose Plate		6	6						
Paint/Coating		4	4	Capseal on pier. Silver paint on nose plate, 90% gone.					
(Colour Description :)			-7	No action required for painted nose plate.					
(Colour Code :)									
Pier Stability		8	8						
Scour		N	N	(Sand/silt accumulation btwn N pier & toe of N hslp. 16Aug2009).					
Debris (Y/N)	No								
Substructure General Rating	<u> </u>	5	5						
Casoli dotale Conoral Rating									

Structure Usage										
		Last	Now	Explanation of Condition						
Channel										
(U/S Direction : W)										
(D/S Direction : E)										
Alignment		8	8							
Bank Stability			N	Snow covered.						
HWM (m below Top of Curb)	6.0									
Drift (Y/N)	rift (Y/N) No									
Slope Protection		6	6	S hslp has cast-in-place concrete slope protection while N hslp is all						
(Type : CONCRETE; NATURA	L; CONCRETE)			natural mixed with concrete debris.						
Guidebank/Spurs			Х							
Adequacy of Opening			8							
(Fish Compensation Measure 1	NONE)	1								
(Fish Compensation Measure 2	NONE)									
Channel General Rating		6								

				Maintenance Re	commend	ations						
Inspector Recommendations		Year Inspector Comments				Department Co	mmen		Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL												
GALVANIZE/PAINT BRIDGE RAIL												
SEAL CURBS												
PATCH DECK												
SEAL DECK												
OVERLAY DECK												
REPAIR/REPLACE DECK JOINTS												
RESET/ PAINT BEARINGS		2013	Rehab g	rout pads & reset bearings.								
WASHING												
SHOTCRETE REPAIRS												
REPAIR ABUTMENT SCOUR/EROS	ION											
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT ACCUMULATION												_
OTHER ACTION		2013		azard markers to meet stand								_
OTHER ACTION	2	2013	Patch dip crack @	p @ SE approach (bird bath) end of approach slabs, if no) & seal it yet done.							
OTHER ACTION	:	2013	Upgrade reinstall	approach guradrail to meet SW lap @ turn down, if not y	standard, /et done.							
OTHER ACTION												
Structural Condition Rating (Last/N (%)	low)	50.0/50.0 Sufficiency Rating (Last/N (%)			Now) t	59.9/59.9	Es	t. Repl. Yr	2040	Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection	urb & dec	k sealin	g practice:	S.		Department Comments						
Maintenance Reviewed By						Date				Estimated Total	0	
Proposed Long-Term Strategy												
On 3-Year Program (Y/N)	_											
Proposed Action												
Previous Inspector's Name	Jason S	Saly			Previous /	Is Assistant's Name						
Next Inspection Date	27-Aug-	-2014			Previous I	nspection Date		07-Mar-2011				
Inspection Cycle (Default) (months)	21											
Comment												