Bridge File Number Year Built/Year Supstr Bridge or Town N Located Over Located On Water Body CI./Ye	1		l Bridge					Form T			DT PCS			
Supstr Bridge or Town N Located Over Located On		913/19	13						Form Type DT PCS					
Bridge or Town N Located Over Located On	ama F							Lot No.			1			
Located Over Located On	·							Inspecto	or Name	•	Shane Hall			
Located On						DCI	ос ст	Inspector Class BR CL		BR CLS A				
		0:30 C		ER, 8.11	, WAIE	KC	KS-S1	Assistar	nt Name)				
Water Body Ci./ Y		0.30 C	1 4./41					Assistar	nt Class					
Navigabil. Cl./Yea								Inspecti	on Date)	17-Oct-201	2		
Legal Land Locati		IE SEC	1 TWP 5	1 PGF 2	6 W5M			Data En			Theresa La	custa		
Longitude, Latitud			47, 53:22:		O VVOIVI			Data En			26-Nov-201			
Road Authority			Fransporta		Γ)			Reviewe	er Nam	-	Eric Carcou			
Contract Main. Ar		CMA13	папэроп	ווא) ווסווג	')			Review			19-Nov-201			
Clear Roadway/S		5.2 /						·			Brent Herri			
AADT/Year			2011 (A)					Dept. R		ate	06-Dec-201	12		
Road Classification		RAU-20						Follow-l	Јр Ву					
Detour Length (kn		20	5 110					-						
Allowable Load (t)	1				Semi			1	Trai	n			> On Criti	cal Spans //ember
Design Loading:		HS	20		<u> </u>	<u> </u>							> Primary	
						Ро	sting Ir	nformatio	on					
Required Load Po	sting (t)		Single				Sen	ni			Trucl	k Train	
Posted Loading (t)			Single				Sen	ni			Trucl	k Train	
Posted: L	ane	NB		At Junct	tion (Y/N	1)	No	In A	Advance	(Y/N)	No	At Br	idge (Y/N)	No
Posted: L	ane	SB		At Junct	tion (Y/N	1)	No	In A	Advance	(Y/N)	No	At Br	idge (Y/N)	No
Remarks N	Not req	uired. A	llowable l	oad not r	noted on	forr	m.							
Hazard Marker At	Bridge	(Y/N)	Yes											
Remarks			NW is to	oo low. in line wi	th railp	hoto)							
Other Sign Types			Informa	tion, Cur	ve, 85 k			50m, Slip	•	eck, "A	thabasca Riv	/er".		
Utility Attachment	s TEI	EPHO	NE UTILI	ΓΙΕS-PH	ONE LIN		ll coll	_ooutou t	uc)					
	-)/S side, 2					Gas		Lowe	er chord, D/S			
		10m N						Municip	al		, _, _,			
Others									n (Y/N)	/N) Yes				
Remarks (Catwalk	on bot	tom chord	l; missing	g West c	able	e @ mic			connec	ted at SE co	rner.		
							Approa	ch Road						
					La	ast	Now	Explana	ation of	Cond	ition			
Horizontal Alignm	ent					5	5				NE. Sharp of	urve N	B. Steep gra	de @ North
Vertical Alignmen	t					5	5	end. No	passin	g. ———				
Roadway Width (r	m)		8.800					ACP po	tholes	® Sout	h approach/jorth side of N	oint - pl	hoto.	
Approach Bump						6	4	ACP DI	zaking l	ıp at N	orui side of N	ioitii jo	πιμποίο	
Guardrail (Y/N)			Yes					Insuffici	ent pos	ts, no t	olocking. Typ	e 1V gu	uardrail @ NE	E, 3.8m. SE &
Guardrail				6	6	1900 - 38	o.um; 5	v - 30.	4m. Not thrie	: beam	แสกรเมื่อก.			
Length (m) 30.400						_								
Current Standar	d (Y/N)	No											
Termination Typ	ре		Turned	Down										
Drainage						4	4	pedesta	ilspho	tos	NE corners u er07-Feb-2		ning abutme	nt & first pier
Approach Road	Genera	al Ratir	g			5	5							

						Supers	tructure
Bridge Con	nponent						Explanation of Condition
(Primary Sp	an : DT, 11 Sp 3;A0291-04)	ans, Ler	ngths	(m): 8.5-8.5-	3.5-6.6-3	8.1-38.	1-38.1-38.1-2.6-8.5-8.5, A-Ident Number: A0291-01;A0291-
Special Fea							
Special Fea						X	
(Type:)	10.0						
Special Fea	ture					X	
(Type:)	10.0						
	rface/Deck Top	n Detail R	Ratings	3			
Trouring Cu	N (%)	1 (%)	· · · · · · · · · · · · · · · · · · ·	2 (%)	3 (%)		
Last	25	0)	0		0	
Now							
Wearing Su	rface				5	4	Narrow longitudinal cracks.
	Гуре : CONCR	FTF)			0		Spalls at several construction joint locationsphoto
	s(mm) : 50)	<u> </u>					
Deck Top	3(11111) . 30)				N	N	
Book Top						- '`	
Deck Ridea	bility				7	6	
Deck Joints					3	3	4 bolts missing pier 5 NBphoto
Temperate	ure (deg. C)	3					10 bolts missing pier 6 NBphoto
(Expansio	n Type : ARM	OURED (GLAN	D (WABO U	NDER FI	INGER	Coverpate @ P3 slapping under traffic.
	NG PLATES))			\			
	oe : ASPHALT			•			
Gap Size (mm) Gap Location							
90 Pier 3							
Pier 4							
65 Pier 5							
	80 Pier 6						
70			Pier 7	,			
Deck Draina	age				N	5	Shallow ponding along both gutters.
Drains Clo	ogged (Y/N)	Y	'es				Membrane placed in gutter 60% peeled off.
Curbs/Media	an				4	4	CIP concrete barrier.
(Curb Typ	e : SINGLE SI	OPE CC	NCR	ETE BARRIE	R)		Moderate scaling. Spall @ 20% bridge post locations.
Scaling (P	ercent Area)	2	0				
Bridge Rail	·				5	5	HSS top & mid rail bolted to top CIP barriers. 3 base plates missing 1
(Type : G/	ALVANIZED S	TEEL BE	RIDGE	TUBE)			or 2 bolts - photo. Vertical cracks at outside face at most post locations.
Bridge Rail				•	3	4	Wide horizontal/vertical cracks at several locations.
(Type : G/ STEEL)	ALVANIZED P	OST ST	EEL;G	ALVANIZED	POST		
	Posts Coating				6	6	
	ALVANIZED)						
Sidewalk					Х	Х	
Top Chord			7	7	Scale rust @ top flanges.		
Diagonals					7	7	Previous section loss & paint touchup.
Verticals			7	7			
Connections	3				6	6	
Floor Beam					5	5	
Bottom Cho					7	7	-
Stringers					5	5	
	/Cross Frame				7	7	

	Superstructure									
Bridge Component			Last	Now	Explanation of Condition					
(Primary Span : DT , 11 Spans , L 02 ; A0291-03 ; A0291-04)	.engths(m): 8.5-8.5-8.	5-6.6-3	8.1-38.	1-38.1-38.1-2.6-8.5-8.5, A-Ident Number: A0291-01;A0291-					
Paint Condition			5	5	Corrosion staining at plate laps and edges. Corrosion starting at					
(Colour Description :)					edges of top floor beams. Green.					
(Colour Code :)					Orecin.					
Touchup Required (Y/N) No										
Bearings			N	N	Not accessible to closely inspect.					
Temperature (deg. C)	3									
(Expansion Type : REINFORC	ED PAD	BEARING)								
(Fixed Type : PINNED BEARIN	IG)									
Coating Adequate (Y/N)	Yes									
Functioning (Y/N)	Yes									
Deck Underside			5	5						
Stains (Percent Area)	10									
(Snow Slots Filled :)										
Span Alignment Problems										
Vertical (Y/N)	No									
Horizontal (Y/N)	No									
Superstructure General Rating			5	5						
				Supers	tructure					
Bridge Component			Last	Now	Explanation of Condition					
(Secondary Span : HC)			1_0.01	1						
Special Features										
Special Feature				Х						
(Type:)										
Special Feature				Х						
(Type:)										
Wearing Surface/Deck Top Detai	I Ratings	3								
N (%) 1 (%)	2 (%)	3 (%)							
Last 25	0	0		0						
Now										
Wearing Surface			5	4	See DT comments.					
(Material Type : CONCRETE)										
(Thickness(mm): 50)										
Lateral Connection Problem (Y/N)	No									
Deck Top			N	N						
Deck Rideability			7	6						
Deck Joints			3	3	All type 3 joints failed & leaking.					
Bump (Y/N)	No									
Deck Drainage			3	5	See DT comments.					
Drains Clogged (Y/N)	No									
Curbs/Median			4	4	See DT comments.					
(Curb Type : SINGLE SLOPE (CONCRI	ETE BARRIER	1		Cast-in-place concrete barrier.					
Scaling (Percent Area)	20									

					Supers	tructure
Bridge Com	ponent					Explanation of Condition
(Secondary	•					
Bridge Rail				5	5	Missing 1 or 2 bolts in base plate at 3 locations. See DT comments.
	LVANIZED S1	TEEL BRIDG	E TUBE)			
Bridge Rail F			,	3	3	
	(Type: GALVANIZED POST STEEL;GALVANIZED					
	Posts Coating			6	6	
	LVANIZED)					
Sidewalk	er (in the second seco			Х	X	
Oldowalk						
Girder Detail	Ratings					
	N (count)	1 (count)	2 (count)	3 (cou	unt)	Cannot get close enough for detailed inspection, too high. Viewed
Last	40	40 0 0			15	from ground. Est. 19 girders with 3 ratings.
Now	270		1	•	19	3. 13.11.11.31
Girders				3	2	8 lines HC girder, 2 lines P/C barrier section. Deck truss spans also
Last Comple	te Inspection D	Date 20-Ap	r-2007			utilize HC girders are also rated in this sdection. Exterior HC, wide longitudinal cracking, spalls in AZ. Span 6 G8, possible reduced
Cracking (Y/N) Yes					bearing seat, diaphragm rebar exposed, spall in AZ in 1 leg, not	
Spalling (P	ercent Area)	5				visible09-Feb-2009
Lift or Conne Grouted (Y/N						Span 1-spalling in AZ bearing area of 6/8 HC girders. Other spans too far to inspect closely.
(Number Of	Girders : 70)					Exposed rebar corroding with section loss in several girders cannot confirm amount.
						North spanG9 loss of bearing section in one leg, rebar corroding side of leg delaminatingphoto Numerous curb girders with severe delaminationsphoto
Span Alignn	nent Problems	 s				Trainiorodo daro girdoro with dovere delanimatione. prioto
Vertical (Y		No				
Horizontal (Y/N) No						
	Superstructure General Rating					
					Subst	ructure
Bridge Com	ponent			Last	Now	Explanation of Condition
Abutments						
(Extended	Backwall Piles	(Y/N) : N)				
(Extended	Backwall Piles	Spacing(mm):)			
(Total Numb	er of Caps/Cor	bels::)				Severe scaling all surfaces, spalled edges under HC girders @ A1
Bearing Seat	ts/Caps Detail	Ratings				photo
	N (count)	1 (count)	2 (count)	3 (cou	unt)	
Last						
Now						
Bearing Sea	•			5	4	
(Type : CO	NCRETE)					
(Depth(mm	n):)					
(Width(mm	ı):)					
Backwalls/Bi	reastwalls			5	5	
Greatest H	eight (m)	3.60				
Wingwalls				6	4	Spall @ SW corner with exposed rebarphoto
(Total Numb	(Total Number of Bearing Piles : 0:0)					Corroed H-pile where visible, est. 20% section loss at SW pile.
Piles Detail Ratings						Est 40% section loss at exposed piles at P10photo Exposed pile @ SW corner of A1 rated 4 due to corrosion and
	N (count) 1 (count) 2 (count) 3		3 (cou	unt)	section loss.	
Last	100	0	0		0	
Now	100				_	
Piles				N	N	
Paint/Coating	g			3	3	Bitumen coating faded @ abutments.

					Subst	ructure			
Bridge Comp	onent			Last	Now	Explanation of Condition			
Abutment Sta	bility			6	5				
Scour/Erosion	า			3	3	400mm deep exposed corner @ A1 due to SW scourphoto Erosion gully along NW wingwall & undermining cap - photos.			
Piers/Bents									
(Type : PIE	R-SOLID)					P4 medium longitudinal & vertical crack across top & nosing.			
· • •	r of Caps/Cor	bels : 1:1:1:1	:1:1:1:1:1)						
	s/Caps Detail		,						
	N (count)	1 (count)	2 (count)	3 (cou	ınt)				
Last									
Now					_				
Bearing Seats	s/Caps			4	4				
(Type : COI	NCRETE)								
(Depth(mm)):)								
(Width(mm)	:)								
(Total Numbe	r of Bearing F	Piles : 2:2:2:2	2:2:2:2:2)			P1, P2, P8-P10, steel bent on concrete pedestals, 8 total. P3 to P7			
Piles Detail R	atings					massive concrete, 5 total. P3 - 400mm dp concrete loss @ nosing & shaft; exposed rebar @ W.L. no concrete @ bottom nosing. P5 - est			
	N (count)	1 (count)	2 (count)	3 (cou	ınt)	300mm dp concrete loss @ North & South faces & D/S, exposed rebar @ W.L.			
Last	0	0	0		1	Too high to measure.			
Now					2	Several spalls/delams at base of P7.			
Pier Shaft/Pile				3	3	P1-West Concrete pedestal undermined due to headslope erosion			
Greatest He	eight (m)					photo Erosion around base of pedestal @ P10photo Estimate 40% section loss of 2 exposed piles @ P10photo			
						P2- East pedestal has wide vertical crack full heightphoto			
Bracing/Struts/Sheathing				Х	Х				
Nose Plate				6	4	1/2 nose plate paint removed due to scour. Lower half nose plates not painted, superficial rust. Corner plates on P2 corroded and torn offphoto			
Paint/Coating				4	4	Severe scale rust @ several locations.			
(Colour Des	scription :)								
(Colour Cod	de :)								
Pier Stability				3	3	P1 & P10 undermined. 20/Apr/2009			
Scour				3	3	Exposed concrete pile @ P1 & P10 due to scour.			
Debris (Y/N)		No							
Substructure	e General Rat	ing		3	3				
				S	Structu	re Usage			
					Now	Explanation of Condition			
Channel									
(U/S Direction	n : E)								
(D/S Direction : W)									
Alignment				7	7				
Bank Stability	,			3	3	Steep banks with no protection is eroding/weathering with erosion gullies @ all corners.			
						Headslope sediment/erosion @ S abut exposing pilesphoto			
HWM (m belo	w Top of Curl					HWM not visible. (Water to base of bottom chord 5.17m. 95/02/02) Old concrete abutment & pier timber piling, no concern.			
Drift (Y/N)		No							
Slope Protect	ion			5	4	Shale rock. Erosion gullys at both headslopes.			
(Type:)									
Guidebank/S	ours			X	X				

Structure Usage								
	Las	Now	Explanation of Condition					
Adequacy of Opening	8	8						
(Fish Compensation Measure 1 : NONE)								
(Fish Compensation Measure 2 : NONE)								
Channel General Rating	3	3						

		Maintenance Recommen	dations			
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL						
GALVANIZE/PAINT BRIDGE RAIL						
RETROFIT BRIDGE RAIL						
SEAL CURBS						
PATCH DECK	2013	Patch deck where spalled.				
SEAL DECK		· ·				
OVERLAY DECK						
REPAIR/REPLACE DECK JOINTS	2013	Replace missing sheared deck joint cover plat bolts x 14.	е			
RESET/ PAINT BEARINGS						
REPAINT SUPERSTRUCTURE						
STRAIGHTEN/REPLACE MEMBERS						
WASHING						
SHOTCRETE REPAIRS						
CORE TIMBER CAPS/CORBELS						
REPAIR/REPLACE TIMBER CAPS						
REPAIR ABUTMENT SCOUR/EROSION	2013	Redirect flow away from piers and repair erosion at abutments.				
PLACE ADDITIONAL RIP RAP						
REMOVE DRIFT ACCUMULATION						
INSTALL STRUTS						
OTHER ACTION	2013	Install/repair concrete drain troughs at all 4 corners to direct drainage away from headslopes.				
OTHER ACTION	2013	Re-erect NW & NE hazard marker.				
OTHER ACTION	2013	Patch ACP at approaches.				
OTHER ACTION	2013	Level 2 assessment.				
OTHER ACTION	2013	Allowable loading not noted on form.				
OTHER ACTION	2013	Precast girders should be completed ASAP to confirm condition. Also assess condition of exposed H-piles with section loss at A1 P10.				
OTHER ACTION	2013	Repair/provide proper access to underside of bridge for Inspectors.				
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
Structural Condition Rating (Last/Now) (%)	33.3/27	7.8 Sufficiency Rating (Last/Now) (%)	41.9/38.9 Est. Repl. Yr	2013 Maint. Re	eqd. (Y/N)	Yes

Alberta Transporta	ation	Bridge Inspection & Maintenance System (Web 2005)		70580 -1 Bridge		
Special Comments for Next Inspection	traffic accom for pro	al inspection of HC girder condition. Will need snooper truck a oper inspection. Hold all repairs except re-erect NW and NE wridge is being replaced in 2011.	Department Comments			
Maintenance Rev	iewed By		Date		Estimated Total	0
Proposed Long-T	erm Strategy					
On 3-Year Progra	m (Y/N)					
Proposed Action						
Previous Inspecto	or's Name	Shane Hall Previo	ous Assistant's Nam	ne		
Next Inspection Date		17-Jul-2014 Previo	ous Inspection Date	24-Nov-2010		
Inspection Cycle	(Default) (months)	21				
Comment						