Bridge File Nur						Brid	lge Ins	spection							
	mber	77597 -1	Bridge					Form Type			PT TT				
Year Built/Year		1967/196	66					Lot No.			2				
Supstr								Inspector Name Wade Nanninga			inga				
Bridge or Towr	n Name							· · ·			BR CLS A				
Located Over		PEMBIN			, WATEF	CRS-	-ST	Assistant N	lame						
Located On		734:22 C	1 35.693	<b>;</b>				Assistant C	lass						
Water Body CI	il./Year							Inspection	Date		22-Apr-2013	3			
Navigabil. Cl./	abil. Cl./Year							Data Entry			Theresa Lad	custa			
Legal Land Loo	cation	SE SEC	5 TWP 4	6 RGE 1	8 W5M			Data Entry			01-May-201	3			
Longitude, Lati	tude	-116:34:0						Reviewer I			Eric Carcou				
Road Authority	,	Alberta T	ransport	ation (AIT	Г)			Review Da	te		29-Apr-2013				
Contract Main.	Area	CMA13					-	Dept. Revi		ame					
Clear Roadway	y/Skew	7.9 / 0 de	eg.					Dept. Revi							
AADT/Year		120 / 20	I2 (A)					Follow-Up							
Road Classifica	ation	RCU-208	3G-90					onen op	_,						
Detour Length	(km)	250													
Allowable Load	d (t): Sin	igle CS1	29 RINGER		Semi	CS2 5 STRI	50 NGER		Train	CS U1	3 70 J2	> On Cı >Critica	ritical Spans I Member		
Design Loading	g:	HS2	20									> Prima	> Primary Span		
						Posti	ing Inf	ormation							
Required Load	Posting	(t)		Single				Semi				Truck Train			
Posted Loading	g (t)			Single				Semi				Truck Train			
Posted:	Lane	NB		At Junc	tion (Y/N	) No	)	In Adv	dvance (Y/N)		No	At Bridge (Y/N)	No		
Posted:	Lane	SB		At Junc	At Junction (Y/N)		)	In Adv	/ance (Y/N)		No	At Bridge (Y/N)	No		
Remarks	Not re	quired.													
Hazard Marker	· At Brid	ge (Y/N)	Yes												
Remarks		<b>-</b> · · · ·													
Other Sign Typ	bes		Narrow	Bridge, 0	One truck	c on br	ridge,	Pembina F	liver ID	, Parl	k Info.				
						Utiliti	ies (Lo	ocated at)							
	ents							Jouroa ary							
Utility Attachme								Joaroa arj							
Utility Attachmo Telephone								Gas							
•							(								
Telephone								Gas	7/N) [	No					
Telephone Power Others		sible utilitio	es					Gas Municipal	′/N) ∩	No					
Telephone Power Others		sible utilitie	es			Ар		Gas Municipal	//N) [	No					
Telephone Power		sible utiliti	es		La		proac	Gas Municipal Problem (Y			ion				
Telephone Power Others	No vis	sible utiliti	es				proac low l	Gas Municipal Problem (Y h Road Explanatic Park entra	on of C	ondit	NE.				
Telephone Power Others Remarks	No vis	sible utiliti	es			st N	proac low l	Gas Municipal Problem (Y h Road Explanatic Park entra	on of C	ondit		distances.			
Telephone Power Others Remarks Horizontal Alig	No vis	sible utiliti	es 8.500			st N	proac low l	Gas Municipal Problem (Y h Road Explanatic Park entra	on of C	ondit	NE.	distances.			
Telephone Power Others Remarks Horizontal Alig Vertical Alignm	No vis	sible utiliti				st N	proac low l	Gas Municipal Problem (Y h Road Explanatic Park entra	on of C	ondit	NE.	distances.			
Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Approach Bum	No vis	sible utilitie				<b>st N</b> 5 5	proac low 1 5 5	Gas Municipal Problem (Y h Road Explanatic Park entra	on of C	ondit	NE.	distances.			
Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt	No vis	sible utilitie	8.500			<b>st N</b> 5 5	proac low 1 5 5	Gas Municipal Problem (Y h Road Explanatic Park entra	on of C	ondit	NE.	distances.			
Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Approach Bum Guardrail (Y/N)	No vis	sible utiliti	8.500			st N   5 5   5 5   5 5	proae low 1 5 5	Gas Municipal Problem (Y h Road Explanatic Park entra	on of C	ondit	NE.	distances.			
Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Approach Bum Guardrail (Y/N) Guardrail Length (m)	No vis		8.500			st N   5 5   5 5   5 5	proae low 1 5 5	Gas Municipal Problem (Y h Road Explanatic Park entra	on of C	ondit	NE.	distances.			
Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Approach Bum Guardrail (Y/N) Guardrail Length (m) Current Stan	No vis		8.500 No			st N   5 5   5 5   5 5	proae low 1 5 5	Gas Municipal Problem (Y h Road Explanatic Park entra	on of C	ondit	NE.	distances.			
Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Approach Bum Guardrail (Y/N) Guardrail Length (m)	No vis		8.500 No			st N   5 5   5 5   5 5	proae low 1 5 5	Gas Municipal Problem (Y h Road Explanatic Park entra	on of C	ondit	NE.	distances.			

						tructure
Bridge Component						Explanation of Condition
(Primary Spar	n : <b>PT, 3 Span</b>	ns, Lengths(m	n): 6.1-35.1-6. <sup>-</sup>	1, A-Id	ent Nu	mber: A0677-01)
Special Feat				1		
Special Featu	ire				X	
(Type : )				1		-
Special Featu	ire				Х	
(Type : )						
Wearing Surfa						
	N (%)	1 (%)	2 (%)	3 (%)		-
Last	0	0	0		0	-
Now	20.0					
Wearing Surfa	ace/Deck Top			5	5	
	pe : UNTREA		)			-
(Plank Thicl	kness(mm) : <b>7</b>	5)				-
(Plank Widt	h(mm) : <b>300</b> )				_	
Deck Rideability					6	
Deck Joints				Х	Х	
Temperatur	e (deg. C)					_
(Expansion	Type : )					
(Fixed Type	:)					_
Gap Size (n	nm)	Gap L	ocation			_
						_
Curbs/Wheel	Guards			6	6	50% are CCA treated timber.
(Curb Type	: Standard)					
(Type : TRE	ATED TIMBE	ER)				
(Thickness(	mm) : <b>75</b> )					
(Width(mm)	: <b>300</b> )				_	
Bridge Rail				7	7	Continuous steel 2 1/2 x 10" channel.
(Type : STE NON-STAN	EL NON-STA	NDARD RAIL	.;GALVANIZE	D STE	EL	
Bridge Rail Po	osts/Blocking			Х	Х	
(Type : )						
Bridge Rail/Po	osts Coating			5	5	
(Type : PAI						
Sidewalk				X	X	

Superstructure										
Bridge Component			Last		Explanation of Condition					
(Primary Span : PT, 3 Spans, L	engths(n	n): 6.1-35.1-6	.1, A-Ide	ent Nui	mber: A0677-01)					
Wide Load Damage (Y/N)	No				See 2010 UT report for details.					
Top Chord			7	7						
Batter Posts			7	7						
Diagonals			7	7						
Verticals			7	7						
Connections			7	7						
Floor Beams			7	7						
Bottom Chord			7	7						
Lateral Bracings			7	7						
(No. of Stringers : 84)										
Stringer Detail Ratings					]					
	ount)	2 (count)	3 (соц	unt)						
Last					]					
Now										
Stringers			7	7						
(Type : <b>STEEL</b> )										
(Width(mm) : <b>170</b> )										
(Depth(mm) : <b>300</b> )										
(Spacing(mm) : <b>609</b> )										
Paint Condition			5	5	Top coating debonding in isolated areas. Primer coat is good.					
(Colour Description : BLUE)										
(Colour Code : 15182)										
Touchup Required (Y/N)	No									
Bearings			7	7	SE bearing @ center position.					
Temperature (deg. C)	3				Roller at South					
(Expansion Type : ROLLER N		ARING)								
(Fixed Type : <b>PINNED BEAR</b>		,			1					
Functioning (Y/N)	Yes									
Sub Deck/Deck Underside			6	6						
(Material Type : TREATED TI	MBER)									
(Plank Thickness(mm) : 100)	,									
(Plank Width(mm) : <b>300</b> )										
Defects (Percent Area)	0									
Span Alignment Problems	~									
Vertical (Y/N)	Yes				North abutment set about 150mm lower than rest of bridge - not a					
Horizontal (Y/N)	No				real problem.					
Superstructure General Ratin			6	6						
	9									
			Ş	Supers	tructure					
Bridge Component			Last	Now	Explanation of Condition					
(Secondary Span : <b>TT</b> )										
Special Features										
Special Feature				X						
(Type:)										
Special Feature				X						
(Type : )										
Wearing Surface/Deck Top Deta	ail Rating	S								
N (%) 1 (9	6)	2 (%)	3 (%)							
Last 0	0	0		0						
Now 20.0										

Alberta Transportation

Superstructure										
Bridge Comp	onent			Last	Now	Explanation of Condition				
(Secondary S	pan : <b>TT</b> )									
Wearing Surfa	ace/Deck Top			4	4	Moderate gravel wear & grader damage at end spans.				
(Material Ty	/pe : UNTREA	TED TIMBER	)			_				
(Plank Thic	kness(mm) : <b>7</b>	5)			_					
(Plank Widt	h(mm) : <b>300</b> )				_					
Deck Rideability					5					
Wheel Guard	Wheel Guards									
(Curb Type	: Standard)									
(Type : TRE	EATED TIMBE	R)								
(Thickness(	mm) : <b>100</b> )									
(Width(mm)	: <b>300</b> )				_					
Bridge Rail				4	4	Single layer. Wrong lap at NE and SW.				
(Type : GAI	VANIZED ST	EEL FLEX BI	EAM)							
Bridge Rail P	osts			6	3	One broken post @ NWphoto				
(Type : TRE	EATED TIMBE		TIMBER;TRE	ATED						
Bridge Rail/Posts Coating				4	4	Some paint peeling, rust spots.				
(Type : PAI										
(No. of String	ers : <b>18;18</b> )					S1 stringer 11-split 1.0m long.				
Stringer Detai						SP3 S14 cracked 1m long.				
	N (count)	1 (count)	2 (count)	3 (cou	unt)	SF3 ST4 Glacked Thilling.				
Last	0	0	0		0					
Now										
Stringers				5	4					
(Type : TRE	EATED TIMBE	R)								
(Width(mm)	: <b>150</b> )					_				
(Depth(mm)	): <b>400</b> )					_				
(Spacing(m	m) : <b>450</b> )				_					
Sub Deck/De	ck Underside			6	6					
(Material Ty	/pe : <b>TREATE</b>	D TIMBER)				_				
(Plank Thic	kness(mm) : <b>1</b>	00)				_				
(Plank Widt	h(mm) : <b>300</b> )					_				
Defects (Pe	rcent Area)	0								
Span Alignm	ent Problems									
Vertical (Y/I		No				-				
Horizontal (	Y/N)	No								
Superstructu	ure General R	ating		5	4					
					Subst	ructure				
Bridge Comp	onent			Last	Now	Explanation of Condition				
Abutments										
(Extended E	Backwall Piles	(Y/N) : <b>N</b> )								
(Extended E	Backwall Piles	Spacing(mm)	:)							

				1	Subst	ructure
Bridge Com	ponent			Last	Now	Explanation of Condition
(Total Number	er of Caps/Co	rbels : <b>1:1</b> )				
Bearing Seat	s/Caps/Corbe	ls Detail Ratin	gs			
	N (count)	1 (count)	2 (count)	3 (co	unt)	
Last	0	0	0		0	
Now						
Bearing Seat	s/Caps/Corbe	ls		7	7	
(Type : TR	EATED TIMB	ER)				
(Depth(mm						
(Width(mm	· · · · · · · · · · · · · · · · · · ·					
Backwalls/Br				4	4	Not low enough at S. abut but not causing problems at present.
Greatest H		2.50				Breastwall added.
Wingwalls				X	X	
(Total Numbe	er of Bearing F	Piles : <b>5:5</b> )			_	
Piles Detail F						1
	N (count)	1 (count)	2 (count)	3 (co	unt)	
Last	0	0	0	2 (00)	0	
Now					-	
Piles	1			6	6	-
	<b>.</b>			X	X	
Paint/Coating						
Abutment Stability				6	6	
Scour/Erosion				6	6	
Piers/Bents						
(Type : PIE	R-COLUMN)					_
(Total Numbe	er of Caps/Co	rbels : <b>5:5</b> )				Piers have steel H beam corbels and streamside cap. TT caps
Bearing Seat	s/Caps/Corbe	Is Detail Ratin	gs			under approach spans.
	N (count)	1 (count)	2 (count)	3 (co	unt)	_
Last	0	0	0		0	_
Now						
Bearing Seat	s/Caps/Corbe	ls		7	7	_
(Type : <b>TR</b>	EATED TIMB	ER;STEEL)				
(Depth(mm	) : <b>300</b> )					
(Width(mm	): <b>300</b> )					
(Total Number	er of Bearing F	Piles : <b>10:10</b> )				S1 P3 and S2 P3 have been banded.
Piles Detail F	atings					2 rows piles.
	N (count)	1 (count)	2 (count)	3 (co	unt)	
Last	0	0	0		0	South pier pile 2 & North pier pile 5 with wide checks.
Now						
Pier Shaft/Pi	es			6	5	
Greatest H	eight (m)	3.80				
Bracing/Strut				6	6	Missing a row of sheathing at waterline on river side of pier 207-
						Jun-2010
Nose Plate				6	6	
Paint/Coating	)			4	4	Superficial rust.
(Colour De						
(Colour Co						
Pier Stability				7	7	
Scour				5	N	

			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Debris (Y/N)	No			
Substructure General Rating			5	
		S	Structu	re Usage
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment	Alignment			
Bank Stability	Bank Stability			
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		6	6	
(Type : NATURAL; NATURA	L)			
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1	: NONE)			
(Fish Compensation Measure 2	: NONE)			
Channel General Rating		7	6	

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		Maintenance Re	ecommendat	tions					
Inspector Recommendations	Year	Inspector Comments	C	Department Co	mments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2013	Broken post @ NW.							
RETROFIT BRIDGE RAIL									
PATCH DECK	2013	3x12x8 - Replace wheelpaths							
REPLACE STRIP DECK									
REPLACE SUB DECK									
RESET/ PAINT BEARINGS									
REPAINT SUPERSTRUCTURE									
STRAIGHTEN/REPLACE MEMBERS	2013	Band/sister cracked stringers.(2)							
WASHING									
CORE TIMBER CAPS/CORBELS									
REPAIR/REPLACE TIMBER CAPS									
REPAIR ABUTMENT SCOUR/EROSION	N								
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
OTHER ACTION	2013	Band and treat 2 pier piles.							
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/Now (%)	v) 61.1/50	0.0 Sufficiency Rating (Last/ (%)	'Now) 65	.7/59.1	Est. Repl. Yr	2025	Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection	7.		C	Department Comments					
Maintenance Reviewed By			C	Date			Estimated Total	0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name G	Sarry Roberts		Randy Bredo						
Next Inspection Date 2	2-Jul-2016		Previous Ins	spection Date	07-Jun-2010				
Inspection Cycle (Default) (months) 3	9								
Comment									