Bridge Inspection																	
Bridge File Num	dge File Number 07740 -2 Bridge									Form Type SG			SG	G			
Year Built/Year 2003/2003								_ot No. 2			2						
Supstr						Ir			Inspector Name			Wade Nanninga					
Bridge or Town Name ENTWISTLE					\\\\	TEDODO OT			Inspector Class			BR CLS A					
Located Over PEMBINA RIVER, 8.11.84, WATE					, WAIE	IERCRS-SI			Assistant Name								
Located On 16A:08 C1 10.877								Assistant Class									
Water Body Cl./									Insp	Inspection Date 10-Aug-2012							
Navigabil. Cl./Ye		CVA	050	20 TMD	52 DOE	7 \ \ / \ \ / \ \ \			Dat	Data Entry By Lisa Fairhurst							
Legal Land Loca				29 TWP		7 VVOIVI			Dat	Data Entry Date 24-Aug-2012							
Longitude, Latitude -115:00:14, 53:35:60 Road Authority Alberta Transportation (AIT)								Rev	Reviewer Name Eric Carcoux								
Road Authority		CMA		ansporta	ition (Ai	1)			Rev	iew Dat	te		21-Aug-2012	2			
Clear Bandway				~ /LUE\					Dep	Dept. Reviewer Name Bre			Brent Herric	k			
Clear Roadway/	Skew			g. (LHF))11 (A)					Dep	t. Revie	ew Date		30-Aug-2012	2			
AADT/Year	ion		0 / 20 J-209:						Foll	ow-Up I	Ву						
Road Classificat		3	1-209	-110					-								
Detour Length (Report Allowable Load (1	CS1	28		Semi	С	S2 49	Train C		cs	33 62		> On Critical Spans			
Daniem I andiem			007	-0											>Critical Member		
Design Loading:			CS75	00			Ð	osting l	nforn	nation					> Primary	Span	
Required Load F	ostina	(t)			Single		Posting ii		ШСЛ	Semi			Truck Train				
Posted Loading (t)					Single					Semi				Truck Train			
Posted:	Lane				tion (Y/I	۷)	No		In Advance (Y/N)		No			No			
Posted:	Lane		VB			tion (Y/I		No			ance (Y/				ridge (Y/N)	No	
Remarks	Postir	ng not	t requ	ired.		,	,				,						
Hazard Marker At Bridge (Y/N) Yes																	
Remarks Only @ NW & SE corr					E corne	rs.	Require	d all d	corners.								
Other Sign Types 45 kph on East & 35 k					& 35 kpl	n or	n West, v	windir	ng road	both. In	forn	nation, "Pemb	oina R	liver".			
Utilities (Located at)																	
Utility Attachmer	nts																
Telephone	North	r/w.							Gas	Gas							
Power									Mur	nicipal							
Others									Pro	blem (Y	/N) No)					
Remarks																	
								Approa									
						L	ast				n of Co				1		
Horizontal Alignr							4	4	Fari	Farm entrance 30m South, curve both ends with limite distance. Grade 7% North & 6.5% South. No passing.				ds with limited . No passing	I sight		
Vertical Alignme				0.500			4 4										
Roadway Width	(m)			8.500			_		Bun	Bump both ends.							
Approach Bump					5	5	<u> </u>			1	-+ OF T' '	L -	4				
Guardrail (Y/N) Yes				7	4					at SE. Thrie tion to bridge		transition. E, 4 split posts	s @ SW, 1 @				
Guardrail 49,000				7	4		, 1 @ N			- 3-			, ,				
Length (m)	ard ()//	/N.I.\		48.000													
Current Standa		IN)		Yes													
Termination Ty Drainage	/pe			Turn Do	VVII		4	6									
Approach Road	Approach Road General Rating						4	4									

Bridge Component (Primary Span : WG, 2 Spans					tructure		
<u> </u>			Last	Now	Explanation of Condition		
HEIMINALY OPAIL. WG, Z SPANS	, Lengths(ı	m): 57-57, A-					
Special Features	/ 	<u>, , , , , , , , , , , , , , , , , , , </u>			,		
Special Feature				X			
(Type:)							
Special Feature				X			
(Type:)							
Wearing Surface/Deck Top De	tail Ratings						
	(%)	2 (%)	3 (%)				
Last	(7-)	- (/-/	(,,,				
Now 0.0	0.0	0.0	0	0.0			
Wearing Surface		ı	4 4		ACP is raveling at North joint - photo. There are transverse cracks		
(Material Type : ACP)					reflecting through the ACP. Losing aggregate in wheelpaths and a		
(Thickness(mm): 50)					few 100mm diameter potholes in NBL - photo.		
Deck Top			N N				
DOOK TOP			14	11			
Deck Rideability			8	8			
Deck Joints			7	7			
Temperature (deg. C)	25						
(Expansion Type : ARMOUF	RED GLAN	D (WABO UN	IDER FI	NGER			
OR SLIDING PLATES))							
(Fixed Type :)							
Gap Size (mm)		ocation					
40	North						
	South						
Deck Drainage			7	7	(Leakage through joint at corners. 06/Dec/2008)		
Drains Clogged (Y/N)	No						
Curbs/Median			7	7	Narrow transverse cracks at 0.6m o/c.		
(Curb Type : Standard)							
Scaling (Percent Area)	0						
Bridge Rail			8	8			
(Type : GALVANIZED STEE	L BRIDGE	TUBE)					
Bridge Rail Posts			8	8			
(Type : GALVANIZED POST	STEEL;G	ALVANIZED	POST				
Bridge Rail/Posts Coating			8	8			
(Type : GALVANIZED)			, ,				
Sidewalk			4	4	ACP has settled 180mm at ends of walk on both approaches - photo.		
Girder/Beam							
Cover Plate			X	Х			
Flange				9	-		
Web			9	9	-		
Stiffeners			9	9	-		
Splice			9	9	-		
Weld			9				
			9	9			
	iaphragms/Cross Frame						

Superstructure										
Bridge Component		Last		Explanation of Condition						
(Primary Span : WG, 2 Spans, L	engths(m): 57-57, A-I	dent N	umber	: A1461-01)						
Paint Condition		7	7	Weathering steel.						
(Colour Description :)										
(Colour Code :)										
Touchup Required (Y/N)	No									
Bearings		6	6	South abutment A/B's bent.						
Temperature (deg. C)	25									
(Expansion Type: REINFORCI TEFLON AND STAINLESS ST	ED NEOPRENE BEAF EEL)	RING W	/ITH							
(Fixed Type :)										
Coating Adequate (Y/N)	Yes									
Functioning (Y/N)	Yes									
Deck Underside		7	6	Narrow transverse cracks.						
Stains (Percent Area)	1			Cracks with efflourescence @ some drain tubes						
Span Alignment Problems										
Vertical (Y/N)	No									
Horizontal (Y/N)	No									
Superstructure General Rating		6	6							
			Subst	ructure						
Bridge Component		Last	Now	Explanation of Condition						
Abutments										
Bearing Seats/Caps		8	8							
(Type : CONCRETE)										
Backwalls/Breastwalls		8	8							
Wingwalls		8	8							
Piles		N	N							
Paint/Coating		6	6	Some graffiti on breastwall/wingwall.						
Abutment Stability		8	8							
Scour/Erosion		8	8							
Piers/Bents										
(Type : PIER-SOLID)										
Bearing Seats/Caps		8	8							
(Type : CONCRETE)										
(Total Number of Bearing Piles :	0)			Solid concrete shaft.						
Pier Shaft/Piles		8	8							
Bracing/Struts/Sheathing		Х	Х							
Nose Plate		8	8							
Paint/Coating		8	8							
(Colour Description :)										
(Colour Code :)										
Pier Stability		9	9							
Scour		8	8							
Debris (Y/N)	No									

Substructure											
Bridge Component L			Now	Explanation of Condition							
Substructure General Rating		8	8								
			Ywn of the	ro Hoogra							
			Now	re Usage Explanation of Condition							
Channel	I		1.1011	ZAPIGITATION OF CONTROL OF							
(U/S Direction : E)			Slight curve U/S & curves right D/S.								
(D/S Direction : W)											
Alignment		7	7								
Bank Stability			5	High bank prone to slide, not affecting bridge.							
HWM (m below Top of Curb)				HWM not visible.							
Drift (Y/N)	Yes										
Slope Protection		8	8								
(Type: RIP RAP; GEOTEXTIL	E; RIP RAP; GEOTEX	TILE)									
Guidebank/Spurs		X	X								
Adequacy of Opening		9	9								
(Fish Compensation Measure 1 :	NONE)										
(Fish Compensation Measure 2 :	NONE)										
Channel General Rating		4									

				Maintenance Recommen	dations						
Inspector Recommendations	Y	/ear	Inspector Comment	S	Department C	Commer	nts		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL											
GALVANIZE/PAINT BRIDGE RAIL											
RETROFIT BRIDGE RAIL											
SEAL CURBS											
PATCH DECK											
SEAL DECK	20	2012	Chipseal.								
OVERLAY DECK											
REPAIR/REPLACE DECK JOINTS	20	2012	(Determine cause of repair. 06/Dec/2008	f leaking @ corners &) - if not done							
RESET/ PAINT BEARINGS											
REPAINT SUPERSTRUCTURE											
STRAIGHTEN/REPLACE MEMBERS											
WASHING											
SHOTCRETE REPAIRS											
REPAIR ABUTMENT SCOUR/EROSI	NC										
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
OTHER ACTION	20	2012	Install hazard marke missing.	ers @ corners where							
OTHER ACTION											
OTHER ACTION	20	2012	Install coldmix @ bo minimize trip hazard	oth sidewalk approaches to I.)						
OTHER ACTION	20	2012	Repair GR posts (6)	i							
Structural Condition Rating (Last/No. (%)	ow) 7	7.8/77.	8 Sufficienc	cy Rating (Last/Now)	59.3/63.0	Es	st. Repl. Yr	2083	Maint. Red	qd. (Y/N)	Yes
Special Monitor bending of Comments for Next Inspection	S abutmer	ent beari	ing A/B's.		Department Comments						
Maintenance Reviewed By					Date			F	Estimated Total	I 0	
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name Kris		ters		Previous	vious Assistant's Name						
		2014		i	vious Inspection Date 05-Oct-2010						
Inspection Cycle (Default) (months)	21			1071000			, , , , , , , , , , , , , , , , , , , ,				
Comment											