

Bridge Inspection									
Bridge File Number	76186 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1967/1967				Lot No.	2			
Bridge or Town Name	ATMORE				Inspector Name	Wade Nanninga			
Located Over	LA BICHE RIVER, 8.11.55, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	63:02 C1 14.786				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	14-Nov-2011			
Legal Land Location	NE SEC 34 TWP 68 RGE 17 W4M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-112:30:14, 54:56:11				Data Entry Date	23-Nov-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA07				Review Date	23-Nov-2011			
Clear Roadway/Skew	10.7 /				Dept. Reviewer Name	Brent Herrick			
AADT/Year	4,250 / 2011 (A)				Dept. Review Date	06-Dec-2012			
Road Classification	RAU-211.8-110				Follow-Up By				
Detour Length (km)	8								
Allowable Load (t):	Single	CS1 42 GIRDER	Semi	CS2 58 GIRDER	Train	CS3 79 GIRDER	----> On Critical Spans ---->Critical Member		
Design Loading:	HS20						----> Primary Span		
Posting Information									
Required Load Posting (t)	Single				Semi		Truck Train		
Posted Loading (t)	Single				Semi		Truck Train		
Posted:	Lane	NB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	SB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Remarks	Not required.								
Hazard Marker At Bridge (Y/N)	No								
Remarks	Not required.								
Other Sign Types	River ID @ NW & SE.								
Utilities (Located at)									
Utility Attachments									
Telephone	West r/w.				Gas				
Power	3 wires East r/w.				Municipal				
Others	WSC flow gauge at NE.				Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	Long blind horizontal curves in both directions. No passing zones in both directions. Field entrances to North.				
Vertical Alignment			7	7					
Roadway Width (m)	10.700								
Approach Bump			5	5					
Guardrail (Y/N)	Yes								
Guardrail			7	7					
Length (m)	64.600				No thrie beam transition, not attached to bridge rail.				
Current Standard (Y/N)	No								
Termination Type	Turn down								
Drainage			7	7					
Approach Road General Rating			6	6					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : FC, 4 Spans, Lengths(m): 16.8-21.3-16.8-12.2, A-Ident Number:)					
Special Features					
Special Feature		8	8	Span 2 only.	
(Type : UNDERSLUNG DIAPHR)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last					
Now	10.0	0.0	0.0	0.0	
Wearing Surface		6	5	Peeling @ joints	
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	No				
Deck Top		N	N		
Deck Rideability		7	7		
Deck Joints		3	3	4 bolts on A2 cover plates are missing.-photo Drain trough at A2 perforated.-photo (All pier joints failed & leak. 01/Dec/2004) Chipsealed over.	
Temperature (deg. C)		-2			
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC);ARMoured GLAND (WABO UNDER FINGER OR SLIDING PLATES))					
(Fixed Type : ASPHALTIC FIBRE BOARD)					
Gap Size (mm)		Gap Location			
45		North abutment			
40		South abutment			
Deck Drainage		4	4	All water on deck drains to South abutment. Concrete drains @ SW & SE. North abutment plumbing limited use.	
Drains Clogged (Y/N)		Yes			
Curbs/Median		5	N	(There is patching along the curbs. Entire length of interior curb face has previously been re-cast.-11-Mar-2010) Snow covered.	
(Curb Type : Standard)					
Scaling (Percent Area)		5			
Bridge Rail		6	5	Few dented vertical bars. Several anchor bolts have insufficient threads.-11-Mar-2010 SNow covered.	
(Type : GALVANIZED STEEL VERTICAL BAR)					
Bridge Rail Posts		4	N		
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating		6	6		
(Type : GALVANIZED)					
Sidewalk		X	X		
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : FC, 4 Spans, Lengths(m): 16.8-21.3-16.8-12.2, A-Ident Number:)				
Girders		4	4	Typical chamfer cracks - S4 G3 med extending into underside.
Cracking (Y/N)	Yes			Shoe plate cracks extend into girder legs.
Spalling (Percent Area)	0			
(Number Of Girders : 28)				
Diaphragms/Cross Frame		4	4	Several end diaphragms cracked/spalled.(30%).
Bearings		4	4	Abutment bearings pitted rust. 30% scaling rust. A1 all bearings missing A/B's.
Temperature (deg. C)	-29			
(Expansion Type : ROLLER BEARING)				
(Fixed Type : SLIDING PLATE)				
Coating Adequate (Y/N)	No			Spalling gravel A2 grout pads.
Functioning (Y/N)	Yes			
Deck Underside		6	6	Minor staining from old weep tube leakage.
Stains (Percent Area)	1			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		4	4	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		6	6	
(Type : CONCRETE)				
Backwalls/Breastwalls		5	5	
Wingwalls		5	5	
Piles		N	N	
Paint/Coating		5	5	
Abutment Stability		5	5	
Scour/Erosion		5	6	
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		5	5	Cracks in P1/P2 caps (narrow).
(Type : CONCRETE)				
(Total Number of Bearing Piles : 5:5:5)				
Pier Shaft/Piles		6	6	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		4	4	Near soil / water interface much of coating has failed.
(Colour Description :)				
(Colour Code :)				
Pier Stability		5	5	North pier has been pushed streamward by slide in north approach grade, appears to be stabilized. Approx 150 off center.

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		7	7	
Debris (Y/N)	No			
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				
(D/S Direction : W)				
Alignment		8	8	
Bank Stability		6	6	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		6	6	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		6	6	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	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	2011	Pier joints (if not done); replace shear A1 cover plate bolts.					
RESET/ PAINT BEARINGS	2011	Paint					
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2011	Paint pier piles.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	50.0/50.0	Sufficiency Rating (Last/Now) (%)	57.3/57.2	Est. Repl. Yr	2024	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor P3 movement.		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	Arnold Assenheimer		Previous Assistant's Name	Wade Nanninga			
Next Inspection Date	14-Aug-2013		Previous Inspection Date	11-Mar-2010			
Inspection Cycle (Default) (months)	21						

Comment	
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