

Bridge Inspection							
Bridge File Number	76600 -1 Bridge			Form Type	TT		
Year Built/Year Supstr	1967/1967			Lot No.	2		
Bridge or Town Name	ATIKAMEG			Inspector Name	Brian Pientsch		
Located Over	MINK RIVER, 8.10.18.22.4.5, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	LOCAL ROAD			Assistant Name	Lisbeth Medina		
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	02-Dec-2010		
Legal Land Location	NW SEC 9 TWP 80 RGE 11 W5M			Data Entry By	Theresa Lacusta		
Longitude, Latitude	-115:39:51, 55:55:14			Data Entry Date	21-Dec-2010		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Arnold Assenheimer		
Contract Main. Area	UNDEFINED CMA			Review Date	20-Dec-2010		
Clear Roadway/Skew	6.1 /			Dept. Reviewer Name	David Morrison		
AADT/Year	32 / 2010 (E)			Dept. Review Date	11-Mar-2011		
Road Classification	RLU-207G-60			Follow-Up By			
Detour Length (km)	4						
Allowable Load (t):	Single	CS1 29 STRINGER	Semi	CS2 51 STRINGER	Train	CS3 74 STRINGER	----> On Critical Spans ---->Critical Member
Design Loading:							----> Primary Span

Posting Information							
Required Load Posting (t)	Single				Semi		Truck Train
Posted Loading (t)	Single				Semi		Truck Train
Posted:	Lane	EB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N) No
Posted:	Lane	WB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N) No
Remarks							
Hazard Marker At Bridge (Y/N)	No						
Remarks	SHOULD INSTALL HAZARD MARKERS.						
Other Sign Types							

Utilities (Located at)			
Utility Attachments			
Telephone	South side.		Gas
Power			Municipal
Others			Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		4	4	Sharp curves at both approaches.
Vertical Alignment		5	5	
Roadway Width (m)	5.500			
Approach Bump		5	5	
Guardrail (Y/N)	No			
Guardrail		X	X	
Length (m)				
Current Standard (Y/N)	No			
Termination Type				
Drainage		6	5	
<b>Approach Road General Rating</b>		<b>4</b>	<b>4</b>	

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : <b>TT, 3 Spans, Lengths(m): 7.9-8.5-7.9, A-Ident Number: )</b>						
<b>Special Features</b>						
Special Feature			X			
(Type : )						
Special Feature			X			
(Type : )						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
<b>Last</b>						
<b>Now</b>	100.0	0.0	0.0	0.0		
Wearing Surface/Deck Top				N	N	New stripdeck -04-Mar-2005 SNOW & ICE COVERED
(Material Type : <b>UNTREATED TIMBER</b> )						
(Plank Thickness(mm) : <b>75</b> )						
(Plank Width(mm) : )						
Deck Rideability			5	5		
Wheel Guards			7	7	New wheel guards.-04-Mar-2005	
(Curb Type : <b>Standard</b> )						
(Type : <b>TREATED TIMBER</b> )						
(Thickness(mm) : <b>300</b> )						
(Width(mm) : <b>300</b> )						
Bridge Rail			5	3	Single layer flexbeam, IMPROPER LAPPING OF FLEXBEAM ON SE & NW CORNERS NE CORNER POST MISSING(Photo #5) BOLTS MISSING ON FLEXBEAM & POSTS. Red paint over galvanized rail. NE bridgerail corner bent into road 500mm.-photo	
(Type : <b>GALVANIZED STEEL FLEX BEAM</b> )						
Bridge Rail Posts			3	3		
(Type : <b>TREATED TIMBER;TREATED TIMBER</b> )						
Bridge Rail/Posts Coating			6	5		
(Type : <b>PAINT</b> )						
(No. of Stringers : <b>10;10;10</b> )						
Stringer Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Stringers			7	6	Replaced with salvage timbers.-04-Mar-2005	
(Type : <b>TREATED TIMBER</b> )						
(Width(mm) : <b>109</b> )						
(Depth(mm) : <b>409</b> )						
(Spacing(mm) : <b>480</b> )						
Sub Deck/Deck Underside			7	7	New planks-04-Mar-2005	
(Material Type : <b>TREATED TIMBER</b> )						
(Plank Thickness(mm) : <b>100</b> )						
(Plank Width(mm) : <b>210</b> )						
Defects (Percent Area)		15				
<b>Span Alignment Problems</b>						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				
<b>Superstructure General Rating</b>			<b>7</b>	<b>6</b>		

Substructure						
Bridge Component				Last	Now	Explanation of Condition
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : <b>N</b> )						
(Extended Backwall Piles Spacing(mm) : )						
(Total Number of Caps/Corbels : <b>1:1</b> )						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)	New caps installed.-04-Mar-2005	
<b>Last</b>						
<b>Now</b>						
Bearing Seats/Caps/Corbels				7	7	
(Type : <b>TREATED TIMBER</b> )						
(Depth(mm) : <b>300</b> )						
(Width(mm) : <b>300</b> )						
Backwalls/Breastwalls				7	4	Loss of fill material through West backwall planks.
Greatest Height (m)		1.10				
Wingwalls				5	5	NE and Se wingwalls covered with snow.
(Total Number of Bearing Piles : <b>4:4</b> )						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Piles				6	6	
Paint/Coating				5	X	
Abutment Stability				7	7	
Scour/Erosion				9	4	Minor gully 0.3m deepx8m longx0.4m wide along E abut-not affecting the structure. Loss of fill material through West backwall planks.
<b>Piers/Bents</b>						
(Type : <b>PIER-COLUMN</b> )						
(Total Number of Caps/Corbels : <b>1:1</b> )						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Bearing Seats/Caps/Corbels				7	7	
(Type : <b>TREATED TIMBER</b> )						
(Depth(mm) : <b>300</b> )						
(Width(mm) : <b>300</b> )						
(Total Number of Bearing Piles : <b>4:4</b> )						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Pier Shaft/Piles				6	6	
Greatest Height (m)		4.55				
Bracing/Struts/Sheathing				7	6	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Nose Plate		X	X	
Paint/Coating		5	X	
(Colour Description : )				
(Colour Code : )				
Pier Stability		7	6	
Scour		N	5	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>5</b>	<b>4</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>N</b> )				
(D/S Direction : <b>S</b> )				
Alignment		5	5	
Bank Stability		N	6	
HWM (m below Top of Curb)				HWM NOT VISIBLE AT TIME OF INSPECTION. Old pier piles on West abutment under bridge.
Drift (Y/N)	Yes			
Slope Protection		7	4	Minor gully along East abutment-not affecting stability.
(Type : <b>NONE; NONE</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>7</b>	<b>4</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2010	Reinstall SE and NW flexbeam for proper lap. Replace NW bridge rail and bridge rail post.					
PATCH DECK							
REPLACE STRIP DECK							
REPLACE SUB DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2010	Install hazard markers.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>66.7/55.6</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>67.3/58.1</b>	Est. Repl. Yr	2015	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection			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	Aime Theroux		Previous Assistant's Name				
Next Inspection Date	02-Sep-2015		Previous Inspection Date	04-Mar-2005			
Inspection Cycle (Default) (months)	57						
Comment							