

Bridge Inspection										
Bridge File Number	86074 -1 Bridge				Form Type	SG				
Year Built/Year Supstr	1983/2004				Lot No.	4				
Bridge or Town Name	MUSKEG RIVER				Inspector Name	Brian Pientsch				
Located Over	TRIBUTARY TO MUSKEG RIVER, 8.10.58.31.9, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	LOCAL ROAD				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	30-Jun-2011				
Legal Land Location	SE SEC 12 TWP 57 RGE 5 W6M				Data Entry By	Theresa Lacusta				
Longitude, Latitude	-118:35:60, 53:54:21				Data Entry Date	16-Aug-2011				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer				
Contract Main. Area	UNDEFINED CMA				Review Date	08-Aug-2011				
Clear Roadway/Skew	4.6 /				Dept. Reviewer Name	Steve Pasquan				
AADT/Year	10 / 2011 (E)				Dept. Review Date	16-Nov-2011				
Road Classification	RLU-207G-60				Follow-Up By					
Detour Length (km)	999									
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member			
Design Loading:	CS750						----> 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)	Yes								
Remarks	Installed too low at 650mm from top of curb.								
Other Sign Types	Narrow bridge.								

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

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			4	4	"S" curve, sag with limited sight distances, both directions. 75mm deep pot holes N approach.				
Vertical Alignment			4	4					
Roadway Width (m)	6.100				Insufficient posts next to bridge.				
Approach Bump			3	5					
Guardrail (Y/N)	Yes								
Guardrail			7	7					
Length (m)	15.500								
Current Standard (Y/N)	No								
Termination Type	Turn Down.								
Drainage			7	7					
Approach Road General Rating			4	4					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : RB, 1 Spans, Lengths(m): 6.44, A-Ident Number:)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)	Gravel covered.	
Last	0	0	0	0		
Now	99.0	0.0	0.0	0.0		
Wearing Surface			N	7	75mmx300mm treated timber	
(Material Type : TREATED TIMBER)						
(Thickness(mm) : 75)						
Deck Top			N	N	Gravel covered.	
Deck Rideability			7	7		
Deck Joints			X	X		
Temperature (deg. C)		9				
(Expansion Type :)						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
Deck Drainage			7	7		
Drains Clogged (Y/N)		No				
Curbs/Median			7	7	(300x150 timber)	
(Curb Type : Standard)						
Scaling (Percent Area)		0				
Bridge Rail			7	7		
(Type : GALVANIZED STEEL FLEX BEAM)						
Bridge Rail Posts			7	7		
(Type : TREATED TIMBER;TREATED TIMBER)						
Bridge Rail/Posts Coating			7	7		
(Type : CREOSOTE)						
Sidewalk			X	X		
Girder/Beam						
Cover Plate			X	X	350 x 380.	
Flange			7	7		
Web			7	7		
Stiffeners			7	X		
Splice			X	X		
Weld			7	7		
Diaphragms/Cross Frame			X	X		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : RB, 1 Spans, Lengths(m): 6.44, A-Ident Number:)				
Paint Condition		7	7	
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings		X	X	RG on steel caps.
Temperature (deg. C)	9			
(Expansion Type :)				
(Fixed Type : PINNED BEARING)				
Coating Adequate (Y/N)				
Functioning (Y/N)				
Deck Underside		7	7	150 x 300mm timber subdeck.
Stains (Percent Area)				
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		7	7	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		6	6	310x310mm
(Type : STEEL)				
Backwalls/Breastwalls		6	6	
Wingwalls		6	6	
Piles		5	5	
Paint/Coating		X	X	with steel capitals
Abutment Stability		7	7	
Scour/Erosion		7	7	
Piers/Bents				
(Type :)				
Bearing Seats/Caps		X	X	
(Type :)				
(Total Number of Bearing Piles :)				
Pier Shaft/Piles		X	X	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	Yes			Beaver dam at u/s end
Substructure General Rating		5	5	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				
(D/S Direction : W)				
Alignment		7	7	HWM not visible.
Bank Stability		7	7	
HWM (m below Top of Curb)				Two beaver dams 2m u/s and 35m u/s.
Drift (Y/N) Yes				
Slope Protection (Type : NATURAL)		7	7	
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	7	

Maintenance Recommendations							
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							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	53.8/53.8	Est. Repl. Yr	2028	Maint. Req. (Y/N)	No
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	Arnold Assenheimer		Previous Assistant's Name	Kris Bosters			
Next Inspection Date	30-Sep-2014		Previous Inspection Date	23-Oct-2007			
Inspection Cycle (Default) (months)	39						
Comment							