

Bridge Inspection									
Bridge File Number	77886 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1976/1976				Lot No.	2			
Bridge or Town Name	SIMON LAKES				Inspector Name	Brian Pientsch			
Located Over	MARTEN RIVER, 8.10.47.10, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	986:04 C1 4.403				Assistant Name	Clem Guenette			
Water Body Cl./Year					Assistant Class	BR CLS B			
Navigabil. Cl./Year					Inspection Date	12-Mar-2013			
Legal Land Location	SE SEC 24 TWP 86 RGE 16 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-116:22:34, 56:28:09				Data Entry Date	08-Apr-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA02				Review Date	07-Apr-2013			
Clear Roadway/Skew	8.8 /				Dept. Reviewer Name				
AADT/Year	380 / 2012 (A)				Dept. Review Date				
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	135								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	HS25						----> 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	Not required.								

Hazard Marker At Bridge (Y/N)	Yes
Remarks	
Other Sign Types	

Utilities (Located at)									
Utility Attachments									
Telephone	North r/w.				Gas				
Power	4 wires S. row.				Municipal				
Others					Problem (Y/N)	No			
Remarks	Power crosses hwy 30m W.								

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Entrances in all 4 corners. In sag curve with limited sight distance. No passing both directions.				
Vertical Alignment			6	5					
Roadway Width (m)	9.000				Dents & scrapes at numerous locations.				
Approach Bump			8	8					
Guardrail (Y/N)	Yes								
Guardrail			5	5					
Length (m)	72.000								
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN								
Drainage			N	N	20x1x1m (lwd) erosion scour NW ditch. 10x0.3x0.3m (lwd) gully SE embankment.-09-Oct-2009 Snow covered.				
Approach Road General Rating			6	5					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : VS, 3 Spans, Lengths(m): 10.7-10.7-10.7, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last					
Now	10.0				
Wearing Surface			4	4	Wide cracks over piers, transverse cracks throughout.
(Material Type : CONCRETE)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			6	6	Buffer angles
Bump (Y/N)		No			
Deck Drainage			7	7	No drains.
Drains Clogged (Y/N)		No			
Curbs/Median			7	N	Covered with salt/sand.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			5	5	Rail is dented all along bridge, likely due to snow removal.
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			7	7	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders			4	4	Narrow longitudinal crack 11/24 girders. S3, G4, G6, G7 & G8 have spalls where debris was left in forms during casting.
Last Complete Inspection Date		12-Mar-2013			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		1			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : 24)					
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						
(Extended Backwall Piles (Y/N) : N)						
(Extended Backwall Piles Spacing(mm) :)						
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels				7	7	
(Type : CONCRETE)						
(Depth(mm) :)						
(Width(mm) :)						
Backwalls/Breastwalls				7	7	
Greatest Height (m)		1.55				
Wingwalls				7	7	
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	7	0	0	0		
Now	1					
Piles				N	N	
Paint/Coating				7	N	
Abutment Stability				7	7	
Scour/Erosion				6	6	
Piers/Bents						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels				5	5	
(Type : CONCRETE)						
(Depth(mm) :)						
(Width(mm) :)						
Wide cracks over repaired 200x200mm spalls over piles 1 & 2 & Pier 2.						

Substructure						
Bridge Component				Last	Now	Explanation of Condition
(Total Number of Bearing Piles : 6:6)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Pier Shaft/Piles				7	7	
Greatest Height (m)		3.70				
Bracing/Struts/Sheathing				7	7	
Nose Plate				X	X	
Paint/Coating				6	6	
(Colour Description : GREEN)						
(Colour Code : 14090)						
Pier Stability				7	7	
Scour				7	7	
Debris (Y/N)		No				
Substructure General Rating				5	5	
Structure Usage						
				Last	Now	Explanation of Condition
Channel						
(U/S Direction : N)						
(D/S Direction : S)						
Alignment				7	7	
Bank Stability				6	6	
HWM (m below Top of Curb)		1.0				HWM(2000/06/22)
Drift (Y/N)		No				
Slope Protection				7	7	
(Type :)						
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							
SEAL CURBS							
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2013	Seal cracks in deck.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	50.0/50.0	Sufficiency Rating (Last/Now) (%)	58.4/58.4	Est. Repl. Yr	2036	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	Brian Pientsch		Previous Assistant's Name	Lisbeth Medina			
Next Inspection Date	12-Jun-2016		Previous Inspection Date	01-Apr-2011			
Inspection Cycle (Default) (months)	39						
Comment							