

Bridge Inspection											
Bridge File Number	74052 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1981/1981				Lot No.	2					
Bridge or Town Name	SYLVAN LAKE				Inspector Name	Jason Saly					
Located Over	TINDASTOLL CREEK, 3.88.2, WATERCRS-ST				Inspector Class	BR CLS A					
Located On	781:02 C1 16.455				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	21-Nov-2011					
Legal Land Location	SW SEC 4 TWP 38 RGE 1 W5M				Data Entry By	Marcia Chavez					
Longitude, Latitude	-114:05:49, 52:14:03				Data Entry Date	21-Dec-2011					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien					
Contract Main. Area	CMA19				Review Date	15-Dec-2011					
Clear Roadway/Skew	10.1 / -30 deg. (LHF)				Dept. Reviewer Name	Andrew Smikles					
AADT/Year	1,570 / 2010 (A)				Dept. Review Date	09-Jan-2012					
Road Classification	RCU-209-110				Follow-Up By						
Detour Length (km)	3										
Allowable Load (t):	Single	CS1 28			Semi	CS2 49			Train	CS3 62	----> On Critical Spans ---->Critical Member
Design Loading:	MS23									----> 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									

Utilities (Located at)									
Utility Attachments									
Telephone	West side attached to bridgerail.				Gas				
Power	1 wire - 14m West.				Municipal				
Others					Problem (Y/N)	Yes			
Remarks	Conduit broken @ SW corner due to movement								

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			5	5	Farm entrance 7m from North end of bridge, approach @ SW corner 1300m South of SH 596 junction.				
Vertical Alignment			7	7					
Roadway Width (m)		10.000			SE & NW - 53.2m; SW & NE - 7.6m type IV radius. Insufficient posts				
Approach Bump			7	7					
Guardrail (Y/N)		Yes							
Guardrail			7	6					
Length (m)		7.600							
Current Standard (Y/N)		No							
Termination Type		Turndown							
Drainage			7	6					
Approach Road General Rating			5	5					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SM, 1 Spans, Lengths(m): 8, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Snow covered.
Last	0	0	0	0	
Now	10.0	0.0	0.0	0.0	
Wearing Surface			7	7	
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	Paved over, ACP with transverse crack at abutments.
Bump (Y/N)					
Deck Drainage			7	6	No drains.
Drains Clogged (Y/N)					
Curbs/Median			7	N	Minor plow chip @ NE corner; mostly snow covered.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			6	6	Single layer with splice between posts.
(Type : STEEL FLEX BEAM)					
Bridge Rail Posts		8	7		
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating		7	7		
(Type :)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Girders			7	7	
Last Complete Inspection Date		21-Nov-2011			
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 9)					
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						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 1500)						
(Total Number of Caps/Corbels : 3:3)				100 x 305 T.T.shim on top of north abut cap		
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				7	7	
(Type : TREATED TIMBER)						
(Depth(mm) : 300;356)						
(Width(mm) : 356;300)						
Backwalls/Breastwalls				4	4	Backwall scab/clamp installed on all piles. Sbackwall problems 250mm x 70mm. Extra planks placed on stream side of piles - 250mm x 70mm. N abut sheathing not full length, S front sheathing in disrepair.
Greatest Height (m)		2.40				
Wingwalls				7	7	
(Total Number of Bearing Piles : 10:10)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		Minor crack 2nd pile from W at N abut.
Now	0	0	0	0		
Piles				7	5	
Paint/Coating				X	X	
Abutment Stability				6	6	
Scour/Erosion				5	5	
Piers/Bents						
(Type :)						
(Total Number of Caps/Corbels :)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now						
Bearing Seats/Caps/Corbels				X	X	
(Type :)						
(Depth(mm) :)						
(Width(mm) :)						
(Total Number of Bearing Piles :)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now						
Pier Shaft/Piles				X	X	
Greatest Height (m)						
Bracing/Struts/Sheathing				X	X	
Nose Plate				X	X	
Paint/Coating				X	X	
(Colour Description :)						
(Colour Code :)						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	Yes			Old piles in both abutments
Substructure General Rating		6	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		5	5	
Bank Stability		5	5	
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		7	6	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		5	5	

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	2012	Repair broken conduit @ SW; notify utility company.					
OTHER ACTION	2012	Repair both abut breastwalls					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	72.2/66.7	Sufficiency Rating (Last/Now) (%)	70.2/68.2	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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	21-Feb-2015		Previous Inspection Date	06-Mar-2009			
Inspection Cycle (Default) (months)	39						
Comment							