

Bridge Inspection									
Bridge File Number	79351 E-2 Bridge				Form Type	PCS			
Year Built/Year Supstr	2005/2006				Lot No.	4			
Bridge or Town Name	SYLVAN LAKE				Inspector Name	Owen Salava			
Located Over	TRIBUTARY TO SYLVAN CREEK, 3.83.1, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	11:12 R1 25.154				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	01-Feb-2012			
Legal Land Location	SE SEC 24 TWP 38 RGE 1 W5M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-114:00:25, 52:16:58				Data Entry Date	02-Mar-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	CMA19				Review Date	23-Feb-2012			
Clear Roadway/Skew	12.4 / -30 deg. (LHF)				Dept. Reviewer Name	Andrew Smikles			
AADT/Year	15,860 / 2010 (A)				Dept. Review Date	09-Mar-2012			
Road Classification	RFD-412.4-130				Follow-Up By				
Detour Length (km)	5								
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	WB	At Junction (Y/N)		In Advance (Y/N)		At Bridge (Y/N)		
Posted:	Lane	EB	At Junction (Y/N) No		In Advance (Y/N) No		At Bridge (Y/N) No		
Remarks	Not posted.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks	Not required.								
Other Sign Types									
Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			9	9	68.4m @ SW, NW.				
Vertical Alignment			9	9					
Roadway Width (m)	13.700								
Approach Bump			7	7					
Guardrail (Y/N)	Yes								
Guardrail			7	7					
Length (m)	19.000								
Current Standard (Y/N)	Yes								
Termination Type	Turn Down								
Drainage			8	8					
<b>Approach Road General Rating</b>			<b>9</b>	<b>9</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>SCC, 1 Spans, Lengths(m): 14, 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>	0.0	0.0	0.0	0.0	
Wearing Surface			7	7	One crack approx 0.5mm near c/l full length.
(Material Type : <b>CONCRETE</b> )					
(Thickness(mm) : <b>158</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	Buffer angle paritally visible at A1.
Bump (Y/N)					
Deck Drainage			9	9	
Drains Clogged (Y/N)		No			
Curbs/Median			9	9	
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			9	9	
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts			9	9	
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			9	9	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>	0	0	0	0	
Girders			5	5	G2, 160mm diagonal crack @ A2, no stains. G9, 260mm diagonal crack @ A2, no stains. G11, 487mm diagonal crack @ A2, no stains.
Last Complete Inspection Date		01-Feb-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : <b>11</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>5</b>	<b>5</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> )				Neoprene strip with lead shims.					
Bearing Seats/Caps/Corbels Detail Ratings									
	N (count)	1 (count)	2 (count)				3 (count)		
<b>Last</b>									
<b>Now</b>	0	0	0				0		
Bearing Seats/Caps/Corbels							9	9	
(Type : <b>CONCRETE</b> )									
(Depth(mm) : <b>1000</b> )									
(Width(mm) : <b>700</b> )									
Backwalls/Breastwalls							9	9	
Greatest Height (m)		2.20							
Wingwalls				9	9				
(Total Number of Bearing Piles : <b>14:14</b> )									
Piles Detail Ratings									
	N (count)	1 (count)	2 (count)	3 (count)					
<b>Last</b>	28								
<b>Now</b>	280	0	0	0					
Piles				N	N				
Paint/Coating				X	X				
Abutment Stability				9	9				
Scour/Erosion				9	9				
<b>Piers/Bents</b>									
(Type : )									
(Total Number of Caps/Corbels : )									
Bearing Seats/Caps/Corbels Detail Ratings									
	N (count)	1 (count)	2 (count)	3 (count)					
<b>Last</b>									
<b>Now</b>									
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)					
<b>Last</b>									
<b>Now</b>									
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 : )									
Pier Stability				X	X				

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		X	X	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>9</b>	<b>9</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>N</b> )				
(D/S Direction : <b>S</b> )				
Alignment		9	9	
Bank Stability		9	9	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		9	9	
(Type : <b>RIP RAP; RIP RAP</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	9	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>9</b>	<b>9</b>	

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							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>77.8/77.8</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>68.7/68.7</b>	Est. Repl. Yr	2065	Maint. Req. (Y/N)	No
Special Comments for Next Inspection	Monitor diagonal cracking at A2.		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	Owen Salava		Previous Assistant's Name	Chris Black			
Next Inspection Date	01-Nov-2013		Previous Inspection Date	30-Mar-2010			
Inspection Cycle (Default) (months)	21						
Comment							