

Bridge Inspection										
Bridge File Number	01568 -1 Bridge				Form Type	PCS				
Year Built/Year Supstr	2001/2001				Lot No.	2				
Bridge or Town Name	LESLIEVILLE				Inspector Name	Owen Salava				
Located Over	LOBSTICK CREEK, 3.88.12.4, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	598:02 C1 22.494				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	31-Jan-2012				
Legal Land Location	NE SEC 26 TWP 39 RGE 5 W5M				Data Entry By	Marcia Chavez				
Longitude, Latitude	-114:36:33, 52:23:06				Data Entry Date	06-Mar-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien				
Contract Main. Area	CMA18				Review Date	22-Feb-2012				
Clear Roadway/Skew	9 / 15 deg. (RHF)				Dept. Reviewer Name	Andrew Smikles				
AADT/Year	1,620 / 2010 (A)				Dept. Review Date	09-Mar-2012				
Road Classification	RCU-209-110				Follow-Up By					
Detour Length (km)	16									
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	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)	No								
Remarks	Required.								
Other Sign Types	50 ahead EB.								

Utilities (Located at)										
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE									
Telephone	South r/w.				Gas					
Power					Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Slight hills each side. In sag curve, limited sight distance.				
Vertical Alignment			6	6					
Roadway Width (m)	9.000								
Approach Bump			4	4	Bump markers installed at SW & NE corners due to approach slab settlement (40mm).				
Guardrail (Y/N)	Yes								
Guardrail			8	8					
Length (m)	43.700				66.5m @ SW & NE; 43.7m @ SE & NW.				
Current Standard (Y/N)	Yes				10 sections & thrie beam transition (6.0m).				
Termination Type	TURNDOWN								
Drainage			8	8	Minor erosion at NE corner, previously described void.				
Approach Road General Rating			6	6					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SCC, 3 Spans, Lengths(m): 10-10-10, A-Ident Number: A0018-02)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Snow at curbs.
Last	0	0	0	0	
Now	10.0	0.0	0.0	0.0	
Wearing Surface			7	7	Random narrow cracking.
(Material Type : CONCRETE)					
(Thickness(mm) : 100)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			8	8	Protection angles.
Bump (Y/N)		No			
Deck Drainage			8	8	
Drains Clogged (Y/N)		No			
Curbs/Median			8	N	(Corrosion staining S curb S1. 15Sep2005) - Snow covered.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			8	8	Double tube. HP
(Type : GALVANIZED STEEL BRIDGE TUBE;BRIDGE TUBE)					
Bridge Rail Posts			8	8	
(Type : GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			8	8	
(Type : GALVANIZED)					
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			8	8	Not visible.
Last Complete Inspection Date		31-Jan-2012			
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
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			8	8	

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	0	0	0	0	
Now	0	0	0	0	
Bearing Seats/Caps/Corbels			8	8	
(Type : CONCRETE)					
(Depth(mm) :)					
(Width(mm) :)					
Backwalls/Breastwalls			8	8	
Greatest Height (m)		1.00			
Wingwalls			8	8	
(Total Number of Bearing Piles : 0:0)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	100	0	0	0	
Piles			N	N	
Paint/Coating			8	8	
Abutment Stability			8	8	
Scour/Erosion			7	6	
Minor erosion NE corner, abutment fill settled leaving small voids under cap - photo.					
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	0	0	0	0	
Now	0	0	0	0	
Bearing Seats/Caps/Corbels			8	8	
(Type : CONCRETE)					
(Depth(mm) :)					
(Width(mm) :)					
(Total Number of Bearing Piles : 5:5)			610 dia. pipe pile.		
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Pier Shaft/Piles			8	8	
Greatest Height (m)					
Bracing/Struts/Sheathing			8	8	
Nose Plate			X	X	
Paint/Coating			8	8	
Galvanized.					
(Colour Description :)					
(Colour Code :)					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		8	8	
Scour		8	8	
Debris (Y/N)	No			
Substructure General Rating		8	8	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				
(D/S Direction : S)				
Alignment		8	8	
Bank Stability		8	8	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		8	8	Natural top half, CL1 bottom half - typical at both abuts.
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		8	8	

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	Fill void under approach slabs & install curbs under approach rail or drain troughs at all corners.								
OTHER ACTION	2012	Patch dip @ approach slabs.								
OTHER ACTION										
Structural Condition Rating (Last/Now) (%)	88.9/88.9	Sufficiency Rating (Last/Now) (%)	90.1/77.9	Est. Repl. Yr	2052	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	Dave Lam	Previous Assistant's Name								
Next Inspection Date	30-Apr-2015	Previous Inspection Date	15-Sep-2005							
Inspection Cycle (Default) (months)	39									
Comment										

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	Fill void under approach slabs & install curbs under approach rail or drain troughs at all corners.	Deferred			
OTHER ACTION	2012	Patch dip @ approach slabs.	To operations			
OTHER ACTION						
OTHER ACTION						

Structural Condition Rating (Last/Now) (%)	88.9/88.9	Sufficiency Rating (Last/Now) (%)	90.1/77.9	Est. Repl. Yr	2052	Maint. Req. (Y/N)	Yes
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Special Comments for Next Inspection		Department Comments	Bridge maint. deferred as condition does not warrant repair at this time. DA
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Maintenance Reviewed By	Darron Ahlstedt	Date	25-Apr-2013	Estimated Total	0
Proposed Long-Term Strategy					
On 3-Year Program (Y/N)					
Proposed Action					
Previous Inspector's Name	Dave Lam	Previous Assistant's Name			
Next Inspection Date	30-Apr-2015	Previous Inspection Date	15-Sep-2005		

Inspection Cycle (Default) (months)	39
Comment	