

Bridge Inspection										
Bridge File Number	80501 -2 Bridge				Form Type	PSR				
Year Built/Year Supstr	2006/2007				Lot No.	4				
Bridge or Town Name	Lomond				Inspector Name	Garry Roberts				
Located Over	IRRIGATION C, WATERCRS-IC				Inspector Class	BR CLS A				
Located On	531:02 C1 3.763				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	22-May-2010				
Legal Land Location	NW SEC 16 TWP 16 RGE 21 W4M				Data Entry By	Alyssa Boynton				
Longitude, Latitude	-112:50:19, 50:21:04				Data Entry Date	17-Aug-2010				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Ash Morjaria				
Contract Main. Area	CMA25				Review Date	28-May-2010				
Clear Roadway/Skew	/ 0 deg.				Dept. Reviewer Name	Lorenz Bohnert				
AADT/Year	590 / 2009 (A)				Dept. Review Date	18-Aug-2010				
Road Classification	RCU-209-110				Follow-Up By					
Detour Length (km)	14									
Allowable Load (t):	Single		Semi		Train		----> On Critical Spans ---->Critical Member			
Design Loading:								----> 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)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	EB	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									
Other Sign Types	Curve								

Utilities (Located at)										
Utility Attachments										
Telephone					Gas					
Power	200m est - multiple lines				Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
			<b>Last</b>	<b>Now</b>	<b>Explanation of Condition</b>				
Horizontal Alignment			6	6	Curves and hills both sides				
Vertical Alignment			6	6					
Roadway Width (m)	10.500								
Approach Bump			8	7					
Guardrail (Y/N)	Yes				Flare end @ SE & NW with wronld lap at SE				
Guardrail			9	7					
Length (m)	76.000								
Current Standard (Y/N)	Yes								
Termination Type	Turndown								
Drainage			8	8					
<b>Approach Road General Rating</b>			<b>6</b>	<b>6</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>NU, 1 Spans, Lengths(m): 44, A-Ident Number: </b> )					
<b>Special Features</b>					
Special Feature			8	Wingwall Safety Rail	
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0.0	0.0	0.0	0.0	
Wearing Surface			X	X	
(Material Type : )					
(Thickness(mm) : )					
Lateral Connection Problem (Y/N)					
Deck Top			9	8	Deck cast on grade - wearing surface is deck top
Deck Rideability			9	8	
Deck Joints			X	X	
Temperature (deg. C)					
(Expansion Type : )					
(Fixed Type : <b>FINGER PLATES</b> )					
Gap Size (mm)		Gap Location			
Deck Drainage			8	8	
Drains Clogged (Y/N)		No			
Curbs/Median			8	8	
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			9	8	
(Type : <b>GALVANIZED STEEL TUBE BEAM TYPE 2;GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts			4	6	
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			9	8	
(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				7	Typ. NW girdder narrow cracks in webs and top flange. Appears level 2 done as cracks are marked
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
(Number Of Girders : <b>4</b> )					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : <b>NU, 1 Spans, Lengths(m): 44, A-Ident Number: )</b>				
Diaphragms/Cross Frame		N	9	Concrete as abuts - intermediate are steel
Bearings		7	8	minor deformation @ east
Temperature (deg. C)	16			
(Expansion Type : <b>REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL</b> )				
(Fixed Type : )				
Coating Adequate (Y/N)	No			
Functioning (Y/N)	No			
Deck Underside		N	8	
Stains (Percent Area)	0			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>7</b>	<b>7</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		8	9	
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls		8	9	
Wingwalls		8	8	
Piles		N	N	
Paint/Coating		N	X	
Abutment Stability		9	9	
Scour/Erosion		9	8	
<b>Piers/Bents</b>				
(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)	No			
<b>Substructure General Rating</b>		<b>8</b>	<b>8</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>N</b> )				Resovior
(D/S Direction : <b>S</b> )				
Alignment		9	8	
Bank Stability		9	8	
HWM (m below Top of Curb)				No visible HWM
Drift (Y/N)	No			
Slope Protection		9	8	
(Type : <b>RIP RAP; RIP RAP</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	8	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>9</b>	<b>8</b>	

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							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>83.3/83.3</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>79.9/66.6</b>	Est. Repl. Yr	2060	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	Tom Carey		Previous Assistant's Name				
Next Inspection Date	22-Aug-2013		Previous Inspection Date	23-Jan-2007			
Inspection Cycle (Default) (months)	39						
Comment							