						В	ridge Ir	ıspe	ction						
Bridge File Numbe	r 7	79139 -1 Bridge							n Type		PCS				
Year Built/Year	1	981/198	1						No.	2					
Supstr		LOMOND							Inspector Name (Garry Roberts			
Bridge or Town Na Located Over	me LOMOND BRP - MAIN CANAL, WATERCF				EDCDS	·DC IC			Inspector Class			BR CLS A			
Located Over		45:08 C		AL, VVA I	EKCKS	KS-IC			Assistant Name						
Water Body Cl./Yea		43.00 C	1 7.440						Assistant Class						
Navigabil. Cl./Year								Inspection Date 21-Mar-2012							
Legal Land Locatio		IW SEC	26 TWP	14 RGF	20 W4N	1		Data Entry By Lauren Korte							
					20 00-10	1		Data Entry Date 12-Apr-2012							
Longitude, Latitude -112:38:36, 50:12:08 Road Authority Alberta Transportation (AIT)					Τ)			Reviewer Name Tom Carey							
Contract Main. Are		MA25	ranoporte	20011 (7.01	• ,				iew Dat			23-Mar-2012	2		
Clear Roadway/Sk			deg. (LHI	=)					t. Revie			Tim Davies			
AADT/Year		70 / 201							t. Revie			17-Apr-2012			
Road Classification		CU-209						Foll	ow-Up E	Зу					
Detour Length (km)								1							
Allowable Load (t):			28		Semi	cs	S2 49			Train	cs	3 62		> On Critic	al Spans ember
Design Loading:		MS2	3		'									> Primary	Span
						Ро	sting Ir	nform	nation						
Required Load Pos	sting (t)		Single				Semi			Truck Train				
Posted Loading (t)				Single					Semi				Truck Train		
Posted: La	ane	NB		At Junc	tion (Y/N	l)	No		In Adva	vance (Y/N)		No	At Bridge (Y/N) No		No
Posted: La	ane	SB At Junction (Y			tion (Y/N	l)	No	In Advance (Y/N) No		No	At Bı	ridge (Y/N)	No		
Remarks No	ot requ	uired.													
Hazard Marker At E	Bridge	(Y/N)	Yes												
Remarks															
Other Sign Types															
						Uti	ilities (L	ocat	ted at)						
Utility Attachments															
Telephone								Gas							
Power									nicipal	4.1					
Others								Prol	blem (Y	/N) No	0				
Remarks							A 10 10 11 0 0	ah D							
					l a	ast	Approa Now			n of Co	ndit	ion			
Horizontal Alignme	ent					35ι 9	8	Explanation of Condition Canal access all 4 corners.							
Vertical Alignment						6	6	Jan		-c un r	2011				
Roadway Width (m) 10.500						Recently paved.									
Approach Bump						3	7		PC						
Guardrail (Y/N) Yes Minor damage at all corners. Rails are short and not effective, no							ective. not								
Guardrail				3	4	atta	ched to	Ť.D bra	acke	t at SE and n	ot pro	perly buried a	t North.		
Length (m) 5.200						Not	thriebea	am.							
Current Standard (Y/N) No															
Termination Type	` '			D DOWI	N										
Drainage						5	6	Eros	sion on	South F	lead	Islope - Mino	r.		
Approach Road G	enera	al Rating	9			3	6								

				5	Supers	tructure		
Bridge Com	ponent			Last		Explanation of Condition		
(Primary Spa	an : SM, 4 Spa	ns, Lengths(ı	n): 11-11-11-1	1, A-Id	ent Nu	ımber:)		
Special Feat	tures							
Special Feat	ure				Х			
(Type:)								
Special Feat	ure				Х			
(Type:)								
	face/Deck Top	Detail Rating						
9	N (%)	1 (%)	2 (%)	3 (%)				
Last				(70)				
Now	0.0	0.0	0.0	0	0.0			
Wearing Sur	face	<u>'</u>	•	7	5	Concrete overlay.		
	ype : CONCRE	=TF)				Longitudinal cracks along girder lines at all spans.		
(Thickness	•	,				Random transverse cracks.		
	ection Problen	n Yes						
(Y/N)	lection i toblen	163						
Deck Top				6	N			
Deck Rideab	oility			7	7			
				<u> </u>				
Deck Joints				4	4	Spall in the concrete over pier #3.		
Bump (Y/N		No						
Deck Draina				6	5			
Drains Clo	gged (Y/N)	No						
Curbs/Media	ın			6	6	Some shrinkage cracks, some map cracks, minor spall SE corner.		
(Curb Type	e : Standard)							
Scaling (Pe	ercent Area)	3						
Bridge Rail				7	7	1 nut / washer missing at Sp.2 over P3 West side.		
(Type : GA	LVANIZED ST	TEEL FLEX B	EAM)					
Bridge Rail F	Posts			4	3			
(Type : GA STEEL)	LVANIZED PO	OST STEEL;G	ALVANIZED	POST				
Bridge Rail/F	Posts Coating			7	6			
(Type : GA	LVANIZED)							
Sidewalk				Х	X			
Girder Detail		T	1					
_	N (count)	1 (count)	2 (count)	3 (cou	ınt)			
Last	_	_	_		_			
Now	0	0	0		0			
Girders				4	4	Some hairline cracks longitudinal along bottom, some staining, longitudinal cracks on outsides of girders.		
•	Last Complete Inspection Date 21-Mar-2012					SW curb girder - spalling, rust staining and apparent cored hole to		
Cracking (Y/N) Yes						release water in void.		
Spalling (Percent Area) 2								
Lift or Connector Pocket Grouted (Y/N) Yes								
(Number Of	(Number Of Girders : 32)							
Span Alignn	Span Alignment Problems							
Vertical (Y/	/N)	No						
Horizontal	Horizontal (Y/N) No							
Superstruct	ure General R	ating		4	4			

				tructure						
Bridge Comp	onent			Last	Now	Explanation of Condition				
Abutments										
(Extended E	Backwall Piles	(Y/N) : N)								
(Extended E	Backwall Piles	Spacing(mm):)							
(Total Numbe	r of Caps/Corl	bels : 1:1)								
Bearing Seats	s/Caps/Corbel	s Detail Ratin	gs							
	N (count)	1 (count)	2 (count)	3 (cou	ınt)					
Last	1									
Now	0	0	0		0					
Bearing Seats	s/Caps/Corbel	S		7	7					
(Type : COI	NCRETE)									
(Depth(mm)	: 800)									
(Width(mm)	: 600)									
Backwalls/Bre	eastwalls			7	7					
Greatest He	eight (m)	1.10								
Wingwalls				8	7					
	r of Bearing P	iles : 8:8)				-				
Piles Detail R	_			- ·						
	N (count)	1 (count)	2 (count)	3 (cou	ınt)	Buried.				
Last	1	_	_		_					
Now	1	0	0		0					
Piles				N	N					
Paint/Coating	Paint/Coating			X	X					
Abutment Sta	Abutment Stability			8	8					
Scour/Erosion	Scour/Erosion				7					
Piers/Bents										
	R-COLUMN)									
	r of Caps/Corl									
Bearing Seats	s/Caps/Corbel			0.7						
•	N (count)	1 (count)	2 (count)	3 (cou	int)	Minor spall at P2 under West curb.				
Last Now	0	_	_		^	-				
	0 /Cana/Carbal	0	0		0	-				
	s/Caps/Corbel	5		5	5					
(Type : COI										
(Depth(mm)										
(Width(mm)	•	iloo : 6:6:6\								
	r of Bearing P	nes . v:v:v)				-				
Piles Detail R		1 (count)	2 (count)	2 (00)	ınt)	Some driven crooked.				
Lact	N (count)	r (count)	2 (count)	3 (cou	irit)					
Last Now	0	0	0		0					
		U	0	7	7	-				
Pier Shaft/Piles Greatest Height (m) 4.00						1				
					X					
Diading/Struts	Bracing/Struts/Sheathing									
Nose Plate				X	X					
Paint/Coating				4	3	70% Pitted rust.				
(Colour Des	(Colour Description : BLUE)									
(Colour Cod	de : 15182)									

		ructure		
Bridge Component		Last	Now	Explanation of Condition
Pier Stability			7	
Scour		5	6	
Debris (Y/N)	No			
Substructure General Rating			5	
		5	Structu	re Usage
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		8	7	
Bank Stability		8	7	
HWM (m below Top of Curb)	2.0			Water line on banks.
Drift (Y/N)	No		_	
Slope Protection		8	7	
(Type: RIP RAP; RIP RAP)				
Guidebank/Spurs			X	
Adequacy of Opening			5	
(Fish Compensation Measure 1	: NONE)			
(Fish Compensation Measure 2	2 : NONE)			
Channel General Rating		8	5	

Bridge Inspection & Maintenance System (Web 2005)

79139 -1 Bridge

			Maintenance Recomme	endations					
Inspector Recommendations	Year	Inspecto	or Comments	Department Con	nments		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL	2012	Install n	ut & washer. Sp.2 West.						
SEAL CURBS									
PATCH DECK	2012	0.5 X 0.	1 spall at P3.						
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	Install ty	pe 4 approach rails all corners.						
OTHER ACTION	2012	GFE repaperoxir	pair of longitudinal cracks- nately 300 lin. M.						
OTHER ACTION	2012	Blast an	d recoat pier piles.						
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/Now) (%)	50.0/50	.0	Sufficiency Rating (Last/Now) (%)	50.8/56.1	Est. Repl. Yr	2037	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		E	stimated Tota	0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									

Previous Inspector's Name	Glen Mikesh	Previous Assistant's Name	Bernie Roseke
Next Inspection Date	21-Jun-2015	Previous Inspection Date	22-Apr-2009
Inspection Cycle (Default) (months)	39		
Comment			