

Bridge Inspection							
Bridge File Number	71145 -1 Bridge			Form Type	TH		
Year Built/Year Supstr	1957/1956			Lot No.	1		
Bridge or Town Name	LEA PARK BRI			Inspector Name	Jason Saly		
Located Over	NORTH SASKATCHEWAN RIVER, 6, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	897:06 C1 8.598			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	29-Nov-2012		
Legal Land Location	SE SEC 14 TWP 54 RGE 3 W4M			Data Entry By	Marcia Chavez		
Longitude, Latitude	-110:20:12, 53:39:34			Data Entry Date	15-Jan-2013		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	John O'Brien		
Contract Main. Area	CMA15			Review Date	14-Dec-2012		
Clear Roadway/Skew	7.3 /			Dept. Reviewer Name	Darron Ahlstedt		
AADT/Year	1,330 / 2011 (A)			Dept. Review Date	30-Jan-2013		
Road Classification	RCU-209-110			Follow-Up By			
Detour Length (km)	24						
Allowable Load (t):	Single	H 32 STRINGER	Semi	HS 57 STRINGER	Train	CS3 85 STRINGER	----> On Critical Spans ---->Critical Member
Design Loading:	HS20						----> Primary Span

Posting Information												
Required Vert. Clearance Posting (m)												
Posted Vertical Clearance (Y/N)					Yes							
Posted:	Lane	NB	On Bridge (m)	5.5	In Advance (Y/N)	No	Lane	SB	On Bridge (m)	5.5	In Advance (Y/N)	No
Remarks	Measured 5.89 to 5.93, sign torn at North portal.											
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)	Yes											
Remarks	Mounted on 1st timber post off bridge & offset 0.3m, not to std.											
Other Sign Types	75 kph curve; A268-02 tag broken; River ID											

Utilities (Located at)					
Utility Attachments	GAS UTILITIES-GAS LINE; TELEPHONE UTILITIES-PHONE LINE				
Telephone	At bottom chord, West side.		Gas	At bottom chord, East side.	
Power	Conduit abandoned.		Municipal		
Others			Problem (Y/N)	Yes	
Remarks	Telus conduit detached/unjointed. All conduits rusting.				

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		5	5	Long steep grades up river banks in both directions. Road curves down into valley. "T" intersection 200m South.
Vertical Alignment		5	5	
Roadway Width (m)	9.000			
Approach Bump		6	6	
Guardrail (Y/N)	Yes			
Guardrail		3	6	
Length (m)	31.600			
Current Standard (Y/N)	Yes			
Termination Type	Turn Down			
Drainage		7	7	
Approach Road General Rating		5	5	

Superstructure							
Bridge Component		Last	Now	Explanation of Condition			
(Primary Span : TH, 5 Spans, Lengths(m): 61-61-61-61-61, A-Ident Number: A0268-01;A0268-02;A0268-03;A0268-04;A0268-05)							
Special Features							
Special Feature			X	Truss ID A268 missing from S4.			
(Type :)							
Special Feature			X				
(Type :)							
Wearing Surface/Deck Top Detail Ratings							
	N (%)	1 (%)	2 (%)	3 (%)			
Last							
Now	0.0	0.0	0.0	0.0			
Wearing Surface/Deck Top				6	5		
(Material Type : CONCRETE)				Wide transverse crack in S4,5. CJ @ c/l; deck groove worn. Corrosion inhibitor put in 1/2 of o/l.			
(Plank Thickness(mm) : 50)							
(Plank Width(mm) :)							
Deck Rideability				8	8		
Deck Joints				3	3		
Temperature (deg. C)		-15		(All glands are punctured in top cell, filled with water/silt. PVC drip key broken @ pier 1, drain through functioning. 12/June/2007) - Unable to verify; rating retained due to previous inspector's comments.			
(Expansion Type : FINGER PLATES)							
(Fixed Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))							
Gap Size (mm)		Gap Location					
70		A1 - South abut - Exp.		101mm - P2 - Exp. 72mm - P3 - Fixed 106mm P4 - Exp. 73mm - A2 - Fixed			
75		P1 - Fixed					
Curbs/Wheel Guards				3	8		
(Curb Type : Standard)				Curbs replaced in 2011.			
(Type : CONCRETE)							
(Curb Height(mm) : 200)							
(Width(mm) : 250)							
Bridge Rail				8	8		
(Type : GALVANIZED STEEL BRIDGE TUBE)				Bridgerail replaced 2011, now attached to truss.			
Bridge Rail Posts/Blocking						3	7
(Type : POST STEEL;POST STEEL)							
Bridge Rail/Posts Coating						7	7
(Type : GALVANIZED)							
Sidewalk				X	X		

Superstructure							
Bridge Component		Last		Now		Explanation of Condition	
(Primary Span : TH, 5 Spans, Lengths(m): 61-61-61-61-61, A-Ident Number: A0268-01;A0268-02;A0268-03;A0268-04;A0268-05)							
Wide Load Damage (Y/N)	Yes					<p>Most batter posts have wide load damage. Numerous minor scrapes & dents on all spans. 10 members S1 & S2 have minor WLD nicks. (U3L4 and U6L7 have a splice weld that appears cracked at several locations (P15) or at the very least porans. 12/June/2007) Mid between U3L3W & U3L4W span 4 also has rust line indicating a potential crack. U3L4W - S4 dent WLD. (S4-43L3W has 1 bolt sheared off. 12/June/2007) Rough holes to be monitored are: - S5 -m 9m 10W at m 10W, - S3 - U1L2E at inside lower flange. Some tack welds on built up anchors have cracked right through due to corrosion stress, no problem. S2U5U5 - 100mm kink due to HLD. S3U8U8 dent. (13 open holes @ S1 & S2. Unable to find).</p>	
High Load Damage (Y/N)	Yes						
Top Chord		7	7				
Batter Posts		5	5				
Sway Bracings		5	5				
Diagonals		7	7				
Verticals		7	7				
Portals		7	7				
Connections		4	4				
Floor Beams		7	7				
Bottom Chord		7	7				
(No. of Stringers : 60;60;60;60;60)							
Stringer Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now							
Stringers			7	7			
(Type : STEEL)							
(Width(mm) : 180)							
(Depth(mm) : 415)							
(Spacing(mm) : 1447)							
Paint Condition		8	7			(Painted in 2004. 01/Feb/2005) Rust stains coming out from between plates.	
(Colour Description : YELLOW)							
(Colour Code : 13538)							
Touchup Required (Y/N)	No						
Bearings		3	3			Roller nests appear to have went back to rest in on over expanded state after being reset in 2004. Bearings reset in 2004. 01/Feb/2005)	
Temperature (deg. C)	-15						
(Expansion Type : ROLLER NEST BEARING)							
(Fixed Type : DISC & DOME BEARING)							
Functioning (Y/N)	Yes						
Sub Deck/Deck Underside		7	6			Random transverse cracks & some efflorescence stains. Deck drains extended.	
(Material Type : CONCRETE)							
(Plank Thickness(mm) : 150)							
(Plank Width(mm) :)							
Defects (Percent Area)	0						
Span Alignment Problems							
Vertical (Y/N)	No						
Horizontal (Y/N)	No						
Superstructure General Rating		3	3				
Substructure							
Bridge Component		Last		Now		Explanation of Condition	
Abutments							
(Extended Backwall Piles (Y/N) : N)							
(Extended Backwall Piles Spacing(mm) :)							

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				7	7	
(Type : CONCRETE)						
(Depth(mm) :)						
(Width(mm) :)						
Backwalls/Breastwalls				7	7	
Greatest Height (m)		1.80				
Wingwalls				7	7	
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	100					
Now	100	0	0	0		
Piles				N	N	
Paint/Coating				X	X	
Abutment Stability				8	8	
Scour/Erosion				7	7	
Minor deck drain gully @ NW headslope.						
Piers/Bents						
(Type : PIER-SOLID)						
(Total Number of Caps/Corbels : 1:1:1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				7	6	
(Type : CONCRETE)						
(Total Number of Bearing Piles : 0:0:0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	100	0	0	0		
Pier Shaft/Piles				6	6	
Greatest Height (m)						
Bracing/Struts/Sheathing				6	6	
Nose Plate				7	7	
Surface corrosion all nose plates.						
Paint/Coating				X	X	
(Colour Description :)						
(Colour Code :)						
Pier Stability				7	7	
Scour				N	N	
Ice.						
Debris (Y/N)		No				

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		6	6	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		8	8	
Bank Stability		8	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Yes			
Slope Protection		8	7	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		6	6	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		8	6	

Special Comments for Next Inspection		Department Comments	
Maintenance Reviewed By		Date	Estimated Total 0
Proposed Long-Term Strategy			
On 3-Year Program (Y/N)	Y		
Proposed Action	2008.03.28 Rehab deck and curbs in 2011. RS		
Previous Inspector's Name	Owen Salava	Previous Assistant's Name	
Next Inspection Date	29-Feb-2016	Previous Inspection Date	25-Jan-2010
Inspection Cycle (Default) (months)	39		
Comment			