

Bridge Inspection											
Bridge File Number	71169 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1964/1964				Lot No.	2					
Bridge or Town Name	LE GOFF				Inspector Name	Todd Warshawski					
Located Over	REITA CREEK, 7.4, WATERCRS-ST				Inspector Class	BR CLS B					
Located On	LOCAL ROAD				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	03-Apr-2013					
Legal Land Location	SW SEC 4 TWP 62 RGE 2 W4M				Data Entry By	Theresa Lacusta					
Longitude, Latitude	-110:15:14, 54:19:40				Data Entry Date	24-Apr-2013					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux					
Contract Main. Area	UNDEFINED CMA				Review Date	21-Apr-2013					
Clear Roadway/Skew	10.1 /				Dept. Reviewer Name	Brent Herrick					
AADT/Year	168 / 2013 (E)				Dept. Review Date	01-May-2013					
Road Classification	RLU-209G-90				Follow-Up By						
Detour Length (km)	1										
Allowable Load (t):	Single	CS1 30 GIRDER			Semi	CS2 52 GIRDER			Train	CS3 75 GIRDER	---> On Critical Spans ---->Critical Member
Design Loading:	HS20									---> Primary Span	

Posting Information									
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	Willows blocking markers. SW & NE damaged.								
Other Sign Types									

Utilities (Located at)										
Utility Attachments										
Telephone	East R/W				Gas					
Power	2 wires OH 40m west.				Municipal					
Others					Problem (Y/N)		No			
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Located in 400 mm radius curve on superelevation. Local roads to West & East.				
Vertical Alignment			7	7					
Roadway Width (m)			10.000						
Approach Bump			6	6					
Guardrail (Y/N)			Yes		Minor strike damage at SE, still functional				
Guardrail			7	5					
Length (m)			11.400						
Current Standard (Y/N)			No		Insufficient length/posts				
Termination Type			Turned Down						
Drainage			5	4	Windrow and mud buildup along all corners.				
Approach Road General Rating			7	7					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : HC, 1 Spans, Lengths(m): 8.5, A-Ident Number:)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)	Deck to covered with gravel/mud.	
Last	75					
Now	50.0					
Wearing Surface			X	X		
(Material Type :)						
(Thickness(mm) :)						
Lateral Connection Problem (Y/N)						
Deck Top			5	4	Abraided by gravel, minor edge spalls.	
Deck Rideability			5	5		
Deck Joints			3	N	Buffer angles. OK what's visible.	
Bump (Y/N)		No			Missing buffer angle @ South end of G1 leaving hole - photo.-Aug-2008	
Deck Drainage			4	4	Bridge on superelevation. Build up along curb - photo.	
Drains Clogged (Y/N)		Yes				
Curbs/Median			6	4	West curb face/top covered in mud. Two damaged post anchorages on G1.	
(Curb Type : Standard)						
Scaling (Percent Area)		5				
Bridge Rail			7	6	Single layer.	
(Type : GALVANIZED STEEL FLEX BEAM)					Two damaged post anchorages on G1.	
Bridge Rail Posts			7	3	Covered in mud	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating			7	6		
(Type : GALVANIZED)						
Sidewalk			X	X		
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	11					
Now				3		
Girders			N	3	Buffer angle torn off @ South end of G1, spalled end - photo.-Aug-2008	
Last Complete Inspection Date		03-Apr-2013				
Cracking (Y/N)		Yes		Failed connector pockets on G5,G6 & G7.		
Spalling (Percent Area)		1		Deck top edge wear/spalls on G5 & G6. WLC O/S of AZ, 1 leg, W/SC, G1, 4 & 8.		
Lift or Connector Pocket Grouted (Y/N)		No		Patched ouchouts on several girders. Drift pin spalls on most girders. Narrow flex cracks on all girders. G1 upper curb fascia spalls.		
(Number Of Girders : 12)						
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) : Y)						
(Extended Backwall Piles Spacing(mm) : 1400)						
(Total Number of Caps/Corbels : 3:3)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels				7	4	
(Type : TREATED TIMBER)						
(Depth(mm) : 300)						
(Width(mm) : 350)						
Backwalls/Breastwalls				N	6	
Greatest Height (m)		2.90				
Wingwalls				5	4	Missing plank and damage tin top on SW.
(Total Number of Bearing Piles : 9:9)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	14					
Now						
Piles				5	5	
Paint/Coating				X	X	
Abutment Stability				5	N	Ice to hight to rate
Scour/Erosion				N	N	Ice to hight to rate
Piers/Bents						
(Type :)						
(Total Number of Caps/Corbels :)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
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)		
Last						
Now						
Pier Shaft/Piles				X	X	
Greatest Height (m)						
Bracing/Struts/Sheathing				7	5	150X200 timber struts. Several with minor twists.
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			
Substructure General Rating		5	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)	1.3			
Drift (Y/N)	Yes			Drift on banks Beaver dam 10m U/S, partially opened.-photo
Slope Protection		N	N	Ice to high to view
(Type :)				
Guidebank/Spurs		X	X	
Adequacy of Opening		4	4	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		4	4	

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	2013	Repair connector pockets.					
WASHING	2013	Clean deck & windrows.					
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION	2013	Remove rest of dam @ U/S channel.					
INSTALL STRUTS							
OTHER ACTION	2013	Trim brush at all corners.					
OTHER ACTION	2013	Replace SW & NE Hazard Markers					
OTHER ACTION	2013	Patch bridgerail post anchorages.					
OTHER ACTION	2013	Patch girder ends where buffer angle is torn off/patch hole, if not already completed.					
OTHER ACTION	2013	Repair SW wingwall and tin top.					
Structural Condition Rating (Last/Now) (%)	44.4/38.9	Sufficiency Rating (Last/Now) (%)	64.8/62.5	Est. Repl. Yr	2020	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	03-Jan-2018		Previous Inspection Date	13-Aug-2008			
Inspection Cycle (Default) (months)	57						
Comment							