

Bridge Inspection									
Bridge File Number	79359 -3 Bridge				Form Type	PCS			
Year Built/Year Supstr	2011/2010				Lot No.	2			
Bridge or Town Name	GARDEN RIVER				Inspector Name	Brian Pientsch			
Located Over	PAKWANUTIK RIVER, 8.10.6, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	58:14 C1 37.399				Assistant Name	Clem Guenette			
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	12-Jun-2012			
Legal Land Location	NW SEC 34 TWP 111 RGE 1 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-114:04:36, 58:41:19				Data Entry Date	21-Nov-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA01				Review Date	04-Nov-2012			
Clear Roadway/Skew	8.9 / 20 deg. (RHF)				Dept. Reviewer Name	David Morrison			
AADT/Year	60 / 2012 (E)				Dept. Review Date	11-Jan-2013			
Road Classification	RLU-208G-90				Follow-Up By				
Detour Length (km)	999								
Allowable Load (t):	Single		Semi		Train				----> On Critical Spans ---->Critical Member
Design Loading:	CL800							----> 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)	Yes								
Remarks									
Other Sign Types									
Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks	No utilities found								
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			8	8	Slight crest on both ends.				
Vertical Alignment			7	7					
Roadway Width (m)	8.900								
Approach Bump			8	8					
Guardrail (Y/N)	Yes								
Guardrail			9	9					
Length (m)	25.000								
Current Standard (Y/N)	Yes								
Termination Type	Turn Down								
Drainage			8	8					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SL, 3 Spans, Lengths(m): 8-10-8, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	50	0	0	0	
Now	67.0				
Wearing Surface		X	X		
(Material Type :)					
(Thickness(mm) :)					
Lateral Connection Problem (Y/N)	No				
Deck Top		8	8	Minor cracking on S2G4-26-Oct-2011	
Deck Rideability		9	9		
Deck Joints		9	9		
Bump (Y/N)	No				
Deck Drainage		X	X	No deck drain	
Drains Clogged (Y/N)	No				
Curbs/Median		X	X	No curb	
(Curb Type : Standard)					
Scaling (Percent Area)					
Bridge Rail		9	9		
(Type : GALVANIZED STEEL THRIE BEAM)					
Bridge Rail Posts		9	9		
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating		9	9		
(Type : GALVANIZED)					
Sidewalk		X	X		
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders		8	8		
Last Complete Inspection Date	13-Jun-2012				
Cracking (Y/N)	No				
Spalling (Percent Area)					
Lift or Connector Pocket Grouted (Y/N)	Yes				
(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						
Now						
Bearing Seats/Caps/Corbels				9	9	
(Type : STEEL)						
(Depth(mm) : 310)						
(Width(mm) : 310)						
Backwalls/Breastwalls				9	9	
Greatest Height (m)		1.00				
Wingwalls				X	X	
(Total Number of Bearing Piles : 10:10)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Piles				9	9	
Paint/Coating				X	9	galvanized
Abutment Stability				9	9	
Scour/Erosion				9	9	
Piers/Bents						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 1:1)				Double cap		
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last				Damage to flange from drift pin during construction installation.-26-Oct-2011		
Now						
Bearing Seats/Caps/Corbels				8	8	
(Type : STEEL)						
(Depth(mm) : 310;620)						
(Width(mm) : 620;310)						
(Total Number of Bearing Piles : 6:6)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Pier Shaft/Piles				9	9	
Greatest Height (m)		3.30				
Bracing/Struts/Sheathing				9	9	
Nose Plate				X	X	
Paint/Coating				X	9	galvanized
(Colour Description :)						
(Colour Code :)						
Pier Stability				9	9	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		9	9	
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		9	9	
HWM (m below Top of Curb)				HWM not visible
Drift (Y/N)	No			
Slope Protection		9	9	
(Type : RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	9	
(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	2012	Patch deck top on S2G4-26-Oct-2011 Gravel on deck-could not confirm					
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							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	88.9/88.9	Sufficiency Rating (Last/Now) (%)	77.2/77.2	Est. Repl. Yr	2065	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Warranty inspection in 2013.		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	Bryan Wai		Previous Assistant's Name				
Next Inspection Date	12-Mar-2014		Previous Inspection Date	26-Oct-2011			
Inspection Cycle (Default) (months)	21						
Comment							