

Bridge Inspection									
Bridge File Number	78215 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1978/1978				Lot No.	2			
Bridge or Town Name	LOUGHEED PK				Inspector Name	Garry Roberts			
Located Over	POCATERRA CREEK, 2.13.56.20, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	LOCAL ROAD				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	06-Dec-2011			
Legal Land Location	NE SEC 13 TWP 20 RGE 9 W5M				Data Entry By	Erin Roberts			
Longitude, Latitude	-115:06:49, 50:41:57				Data Entry Date	24-Jan-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey			
Contract Main. Area	CMA28				Review Date	21-Dec-2011			
Clear Roadway/Skew	10.1 /				Dept. Reviewer Name	Tim Davies			
AADT/Year					Dept. Review Date	06-Feb-2012			
Road Classification	RCU-211-110				Follow-Up By				
Detour Length (km)	999								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	HS25						----> 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									
Other Sign Types	Creek ID								

Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone	West ditch to South. East ditch to North.				Gas				
Power	Crosses South.				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			5	6	No passing both directions, intersection 130m South.				
Vertical Alignment			6	6					
Roadway Width (m)		11.000			17.0m wide @ South.				
Approach Bump			5	6					
Guardrail (Y/N)		No							
Guardrail			X	X					
Length (m)									
Current Standard (Y/N)									
Termination Type									
Drainage			7	5	Minor erosion forming at NE.				
Approach Road General Rating			5	6					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : RD, 1 Spans, Lengths(m): 21.3, A-Ident Number:)					
Special Features					
Special Feature					
(Type :)					
Special Feature					
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last					
Now	0.0	0.0	0.0	0.0	
Wearing Surface			5	5	Chipcoat on epoxy. Failed @ 0.5m2 areas @ ends Main failed area patched
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	No				
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			7	4	Leaks at both abutments and girder ends.
Temperature (deg. C)		-10			
(Expansion Type :)					
(Fixed Type : COMPRESSION SEAL (ACME SEALS))					
Gap Size (mm)		Gap Location			
30		South			
25		North			
Deck Drainage			7	4	Drain extension broken at G1. Joint leakage is causing girder spalls.
Drains Clogged (Y/N)		No			
Curbs/Median			7	N	Snow covered. PR 7
(Curb Type : Standard)					
Scaling (Percent Area)		1			
Bridge Rail			7	7	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			7	7	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type : GALVANIZED)					
Sidewalk			7	7	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Girders			5	4	10/10 have narrow longitudinal cracks intermittently below one void, worst is #1. Corrosion stains West fascia girder @ bottom @ drains - minor. Crack and corrosion at G6 North end and South end and G9 at SW. Corner edge spall @ #5 @ NE Corner
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
(Number Of Girders : 10)					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : RD, 1 Spans, Lengths(m): 21.3, A-Ident Number:)				
Diaphragms/Cross Frame		X	X	
Bearings		7	7	
Temperature (deg. C)	-10			
(Expansion Type :)				
(Fixed Type : REINFORCED PAD BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		5	5	Evidence of Leakage Not active
Stains (Percent Area)	1			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		5	4	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		8	8	
Piles		N	N	Buried.
Paint/Coating		7	6	Stained from joint leakage.
Abutment Stability		8	8	
Scour/Erosion		8	8	
Piers/Bents				
(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			
Substructure General Rating		7	7	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				
(D/S Direction : W)				
Alignment		8	8	
Bank Stability		7	7	
HWM (m below Top of Curb)	3.1			No visible HWM. Minor Drift.
Drift (Y/N)	Yes			
Slope Protection		5	5	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		8	5	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS	2014	Waterproof deck joints at both abuts.					
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2014	Repair girder spalls- G5, G9. Investigate corrosion crack at G6.					
OTHER ACTION	2014	Extend deck drain.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/61.1	Sufficiency Rating (Last/Now) (%)	65.0/57.5	Est. Repl. Yr	2025	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	Tom Carey		Previous Assistant's Name				
Next Inspection Date	06-Mar-2015		Previous Inspection Date	29-Oct-2008			
Inspection Cycle (Default) (months)	39						
Comment							