

Bridge Inspection											
Bridge File Number	00358 -1 Bridge				Form Type	PSR					
Year Built/Year Supstr	1958/1958				Lot No.	2					
Bridge or Town Name	PARKLAND BEA				Inspector Name	Garry Roberts					
Located Over	MOSQUITO CREEK, 2.12.12.12, WATERCRS-ST				Inspector Class	BR CLS A					
Located On	WAS 529:02				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	26-Nov-2012					
Legal Land Location	SE SEC 18 TWP 15 RGE 26 W4M				Data Entry By	Lauren Korte					
Longitude, Latitude	-113:33:15, 50:15:06				Data Entry Date	01-Jan-2013					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey					
Contract Main. Area	UNDEFINED CMA				Review Date	05-Dec-2012					
Clear Roadway/Skew	7.9 /				Dept. Reviewer Name	Tim Davies					
AADT/Year	48 / 2012 (E)				Dept. Review Date	08-Jan-2013					
Road Classification	RCU-209-110				Follow-Up By						
Detour Length (km)	5										
Allowable Load (t):	Single	CS1 35 GIRDER			Semi	CS2 49			Train	CS3 62 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	EB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No		
Posted:	Lane	WB	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	Minor damage at SE.									
Other Sign Types										

Utilities (Located at)										
Utility Attachments										
Telephone	South ROW.				Gas					
Power	North ROW.				Municipal					
Others	NW corner WSC gauge.				Problem (Y/N)	Yes				
Remarks	The elbows of the conduit are detached at both ends.									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	6	In sag curve. Intersects with local road 100m East.				
Vertical Alignment			6	6					
Roadway Width (m)			7.000		Gravel.				
Approach Bump			5	5					
Guardrail (Y/N)			Yes		Wrong lap at NW. Minor damage at SW wing end and 1 cracked post.				
Guardrail			4	4					
Length (m)			4.000		Not thriebeam.				
Current Standard (Y/N)			No						
Termination Type			FLARE END						
Drainage			5	6					
Approach Road General Rating			6	6					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : PO, 2 Spans, Lengths(m): 19.8-19.8, A-Ident Number:)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
Last	0	0	0	0		
Now	10.0	0.0	0.0	0.0		
Wearing Surface			X	X		
(Material Type :)						
(Thickness(mm) :)						
Lateral Connection Problem (Y/N)		No				
Deck Top			4	4	Medium scaling - total area = 120m2 Wide random cracking - total area - 25m2. Wide transverse cracks - .5m in length and spaced 0.5m apart throughout. 1 isolated scaled area at SE with exposed rebar- other wise deck rates 5.	
Deck Rideability			6	6		
Deck Joints			7	7		
Temperature (deg. C)		-2				
(Expansion Type : SLIDING PLATES)						
(Fixed Type : BUFFER ANGLES)						
Gap Size (mm)		Gap Location				
50		Pier				
15		W ABUT 1				
20		E ABUT 2				
Deck Drainage			4	4	Joints all leak onto substructure and bearings- causing minor corrosion of bearings.	
Drains Clogged (Y/N)						
Curbs/Median			X	X		
(Curb Type : Standard)						
Scaling (Percent Area)						
Bridge Rail			6	6	Single layer.	
(Type : FLEX BEAM)						
Bridge Rail Posts			5	5	6 Posts with wide cracks.	
(Type : CONCRETE;CONCRETE)						
Bridge Rail/Posts Coating			4	4	10% Minor corrosion.	
(Type : PAINT)						
Sidewalk			X	X		
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : PO, 2 Spans, Lengths(m): 19.8-19.8, A-Ident Number:)				
Girders		6	6	
Cracking (Y/N)	No			
Spalling (Percent Area)	0			
(Number Of Girders : 15)				
Diaphragms/Cross Frame		6	6	
Bearings		6	6	All bearings at abuts 50% and piers 100% surface corrosion.
Temperature (deg. C)	-2			
(Expansion Type :)				
(Fixed Type :)				
Coating Adequate (Y/N)	No			
Functioning (Y/N)	Yes			
Deck Underside		6	6	
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		6	6	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		6	6	Gravel on both abut seats.
(Type : CONCRETE)				
Backwalls/Breastwalls		6	6	
Wingwalls		6	6	
Piles		N	N	Buried.
Paint/Coating		X	X	
Abutment Stability		7	7	
Scour/Erosion		6	6	
Piers/Bents				
(Type : PIER-SOLID)				Massive pier.
Bearing Seats/Caps		6	6	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0)				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		6	6	
Paint/Coating		4	4	Tight corrosion at nose plate.
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		6	6	
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 : N)				
(D/S Direction : S)				
Alignment		6	6	
Bank Stability		5	5	Erosion D/S @ both banks.
HWM (m below Top of Curb)	1.4			HWM from Deck to top of pier.
Drift (Y/N)	Yes			Drift on top of pier and under East span.
Slope Protection		4	5	
(Type : BAGGED CONC; BAGGED CONC)				
Guidebank/Spurs		X	X	
Adequacy of Opening		4	4	Based on HWM.
(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							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK	2013	Patch SE deck fascia 6m2.					
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING	2013	Abut seats.					
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION	2013	Remove drift @ East span and @ Pier.					
OTHER ACTION	2013	Straighten SE HM.					
OTHER ACTION	2013	Reattach conduit joints- by utility company.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	66.3/66.5	Est. Repl. Yr	2030	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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	26-Feb-2016		Previous Inspection Date	24-Oct-2009			
Inspection Cycle (Default) (months)	39						
Comment							