

Bridge Inspection									
Bridge File Number	02047 -1 Bridge				Form Type	PSR PCS			
Year Built/Year Supstr	1966/1966				Lot No.	1			
Bridge or Town Name	PRIDDIS				Inspector Name	Garry Roberts			
Located Over	FISH CREEK, 2.13.31, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	22:14 C1 1.526				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	17-Jun-2012			
Legal Land Location	SW SEC 26 TWP 22 RGE 3 W5M				Data Entry By	Erin Roberts			
Longitude, Latitude	-114:19:25, 50:53:32				Data Entry Date	16-Jul-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Joel Wozney			
Contract Main. Area	CMA27				Review Date	26-Jun-2012			
Clear Roadway/Skew	12.9 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	4,420 / 2011 (A)				Dept. Review Date	17-Jul-2012			
Road Classification	RAU-211.8-110				Follow-Up By				
Detour Length (km)	23								
Allowable Load (t):	Single		Semi		Train		----> 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									
Other Sign Types	Bridge Ices.								

Utilities (Located at)									
Utility Attachments									
Telephone	North & South ditches.				Gas	30m North of centreline.			
Power	3 wires 30m North & 100m West of c/l.				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	In sag curve. Intersection West				
Vertical Alignment			6	6					
Roadway Width (m)	11.000								
Approach Bump			7	7					
Guardrail (Y/N)			Yes						
Guardrail			6	6	Not thriebeam				
Length (m)			22.000						
Current Standard (Y/N)			No						
Termination Type			TURNED DOWN						
Drainage			7	7					
Approach Road General Rating			6	6					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : PM, 3 Spans, Lengths(m): 12.8-15.2-12.8, A-Ident Number:)						
Special Features						
Special Feature						
(Type :)						
Special Feature						
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
Last	0	0	0	0		
Now	0.0	0.0	0.0	0.0		
Wearing Surface			5	5	Intermittent longitudinal crack @ WBL of centre span - medium width.	
(Material Type :)						
(Thickness(mm) :)			E/B has shallow surface spalls Several patched areas some are too high			
Lateral Connection Problem (Y/N)		Yes				
Deck Top			N	N		
Deck Rideability			5	6		
Deck Joints			5	4	All joints are concrete and tar. Previous elastomeric joints have been removed. Sealant is presently leaking.	
Temperature (deg. C)		12				
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
40		West abutment				
40		West pier				
40		East pier				
30		East abutment				
Deck Drainage			6	6		
Drains Clogged (Y/N)		No				
Curbs/Median			6	6		
(Curb Type : Standard)						
Scaling (Percent Area)		0				
Bridge Rail			7	7	Double layer	
(Type : FLEX BEAM)						
Bridge Rail Posts			7	7		
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating			5	5		
(Type :)						
Sidewalk			X	X		
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	3		
Now	0	0	0	3		
Girders			3	3	G1, G2, G3, G4, G15 cracks with corrosion stains	
Cracking (Y/N)		Yes				
Spalling (Percent Area)		5				
(Number Of Girders : 15)						

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PM, 3 Spans, Lengths(m): 12.8-15.2-12.8, A-Ident Number:)					
Diaphragms/Cross Frame		X	X		
Bearings		7	7		
Temperature (deg. C)	12				
(Expansion Type :)					
(Fixed Type : NEOPRENE STRIP BEARING)					
Coating Adequate (Y/N)	Yes				
Functioning (Y/N)	Yes				
Deck Underside		6	6		
Stains (Percent Area)	10				
Span Alignment Problems					
Vertical (Y/N)	No				
Horizontal (Y/N)	No				
Superstructure General Rating		3	3		
Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Secondary Span : PE)					
Special Features					
Special Feature					
(Type :)					
Special Feature					
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	0	0	0	0	
Now	0.0	0.0	0.0	0.0	
Wearing Surface		5	5	Medium to wide width. Transverse cracks. Intermittent longitudinal crack over WBL @ West span. Wide to medium width.	
(Material Type :)					
(Thickness(mm) :)					
Lateral Connection Problem (Y/N)	Yes			E/B lane has shallow surface spalls. Several patched areas	
Deck Top		N	N		
Deck Rideability		6	6		
Deck Joints		5	4	Concrete and tar joints. Sealant presently leaks.	
Bump (Y/N)	No				
Deck Drainage		6	6		
Drains Clogged (Y/N)	No				
Curbs/Median		4	4	Isolated spall & exposed rebar. At south curb Sp.3 Scaling @ SW & NE faces.	
(Curb Type : Standard)					
Scaling (Percent Area)	5				
Bridge Rail		7	7	Double layer	
(Type : FLEX BEAM)					
Bridge Rail Posts		7	7		
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating		5	5		
(Type :)					
Sidewalk		X	X		

Superstructure						
Bridge Component				Last	Now	Explanation of Condition
(Secondary Span : PE)						
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	20		
Now	0	0	0	16		
Girders				3	3	20 units have longitudinal cracks & in both legs in anchorage zone. 4 of which are W/C in sound concrete. Several with 6mm wide cracks, spalls on one web @ 2 girders. South exterior girder @ East span is severely scaled @ bearing area @ pier Lift pocket at Sp.1 - G1, Sp.1 - G8 and Sp.3 - G8 and G9 have wide cracks and staining at underside. Longitudinal crack with white staining at G8 and G9 of Sp 1 and Sp 2.
Last Complete Inspection Date		17-Jun-2012				
Cracking (Y/N)		Yes				
Spalling (Percent Area)		10				
Lift or Connector Pocket Grouted (Y/N)		No				
(Number Of Girders : 30)						
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)				Some cracks @ NE.		
(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	0	0	0	0		
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				5	5	
(Type : CONCRETE)						
(Depth(mm) :)						
(Width(mm) :)						
Backwalls/Breastwalls				N	N	Not visible behind precast
Greatest Height (m)		0.80				
Wingwalls				6	6	Curtain wall.
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		Buried
Last	1	0	0	0		
Now	10	0	0	0		
Piles				N	N	
Paint/Coating				4	4	Failing @ NE. Stained - evidence of leakage @ NE. No active leakage @ abutments.
Abutment Stability				7	7	
Scour/Erosion				7	7	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Piers/Bents						
(Type : PIER-COLUMN)		Spall @ South end East pier.				
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				4	4	
(Type : CONCRETE)						
(Total Number of Bearing Piles : 7:7)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Pier Shaft/Piles				7	7	
Greatest Height (m)		5.00				
Bracing/Struts/Sheathing				X	X	
Nose Plate				7	7	
Paint/Coating				4	4	
(Colour Description : GREEN)						
(Colour Code : 14090)						
Corrosion @ bottoms of piles. Light scaling on caps. Stained from past leakage.						
Pier Stability				7	7	
Scour				6	6	
Debris (Y/N)		No				
Substructure General Rating				4	4	
Structure Usage						
		Last	Now	Explanation of Condition		
Channel						
(U/S Direction : S)						
(D/S Direction : N)						
Alignment				7	7	
Bank Stability				7	7	
HWM (m below Top of Curb)		3.0		No HWM visible		
Drift (Y/N)		No				
Slope Protection				6	6	
(Type : RIP RAP; RIP RAP)						
Guidebank/Spurs				X	X	
Adequacy of Opening				7	7	
(Fish Compensation Measure 1 : NONE)						
(Fish Compensation Measure 2 : NONE)						
Channel General Rating				6	6	

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	2012	Repair/ replace joint sealant.					
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2012	Assess for bridge replacement VS girder replacement					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	38.9/38.9	Sufficiency Rating (Last/Now) (%)	45.5/53.3	Est. Repl. Yr	2015	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	17-Mar-2014		Previous Inspection Date	01-Oct-2010			
Inspection Cycle (Default) (months)	21						
Comment							