

Bridge Inspection									
Bridge File Number	01053 -1 Bridge				Form Type	CON			
Year Built/Year Supstr	1958/1958				Lot No.	2			
Bridge or Town Name	MAGRATH				Inspector Name	Garry Roberts			
Located Over	POTHOLE CREEK, 2.12.20.2, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	62:02 C1 49.714				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	15-Sep-2011			
Legal Land Location	SW SEC 26 TWP 5 RGE 22 W4M				Data Entry By	Alyssa Boynton			
Longitude, Latitude	-112:51:54, 49:24:44				Data Entry Date	25-Oct-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Ash Morjaria			
Contract Main. Area	CMA25				Review Date	08-Oct-2011			
Clear Roadway/Skew	8.5 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	2,030 / 2010 (A)				Dept. Review Date	28-Oct-2011			
Road Classification	RAU-211.8-110				Follow-Up By				
Detour Length (km)	3								
Allowable Load (t):	Single	CS1 42 DECK	Semi	CS2 64 DECK	Train	CS3 92 DECK	----> 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 req.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types	Curve, 35 km/hr								

Utilities (Located at)									
Utility Attachments	GAS UTILITIES-GAS LINE								
Telephone	Conduit crosses channel 8m East.				Gas	70m North.			
Power	E side 4 wire 10m from c/l.				Municipal				
Others	Street lights West side.				Problem (Y/N)	No			
Remarks	Temporary cable strung along East curb.								

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			5	5	Sharp curve from North, speed advisory 35 km/hr. Adequate for Town environment.				
Vertical Alignment			6	6					
Roadway Width (m)	10.000				Delineator posts - NB lane only.				
Approach Bump			5	5					
Guardrail (Y/N)	No								
Guardrail			X	X					
Length (m)									
Current Standard (Y/N)									
Termination Type									
Drainage			7	7					
Approach Road General Rating			5	5					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : CS, 3 Spans, Lengths(m): 9.1-12.2-9.1, 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	0.0	0.0	0.0	0.0	
Wearing Surface		6	6	Random medium and narrow width cracks	
(Material Type : CONCRETE)					
(Thickness(mm) : 50)					
Deck Top		N	N		
Deck Rideability		7	7		
Deck Joints		6	6	Koch joints @ Both Abuts	
Temperature (deg. C)		18		Minor damage to curb and sidewalk cover plates.	
(Expansion Type :)					
(Fixed Type : THERMOPLASTIC POLYMER)					
Gap Size (mm)		Gap Location			
		South			
		North			
Deck Drainage		6	6		
Drains Clogged (Y/N)		No			
Curbs/Median		6	4	Transverse cracks. Heavy scaling at East curb Sp.1	
(Curb Type : Standard)					
Scaling (Percent Area)		1			
Bridge Rail		7	7	Isolated cracks.	
(Type : VERTICAL BAR)					
Bridge Rail Posts		5	5	Galvanized.	
(Type : CONCRETE;CONCRETE)					
Bridge Rail/Posts Coating		6	6		
(Type :)					
Sidewalk		6	6	Transverse medium width cracks	
Girders		X	X	Slab	
Diaphragms/Cross Frame		X	X		
Bearings		X	X	Slab bears on concrete abuts & piers directly.	
Temperature (deg. C)					
(Expansion Type :)					
(Fixed Type :)					
Coating Adequate (Y/N)					
Functioning (Y/N)					
Deck Underside		6	6	Stains @ Fascia @ ends Longitudinal crack entire length @ center line	
Stains (Percent Area)		1			
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : CS, 3 Spans, Lengths(m): 9.1-12.2-9.1, A-Ident Number:)				
Superstructure General Rating		6	6	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats		N	N	Bearing seat not visible
Backwalls/Breastwalls		6	6	
Wingwalls		6	6	
Piles		N	N	Buried
Paint/Coating		4	4	Pigmented sealer most peeled off. Staining may be previous to koch joint.
Abutment Stability		7	7	
Scour/Erosion		5	5	Minor erosion under N/W deck drain.
Piers/Bents				
(Type : PIER-SOLID)				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Pier Shaft/Piles		7	7	Vertical medium crack on both piers. Massive piers.
Nose Plate		X	X	
Paint/Coating		5	5	Graffiti covered.
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		7	7	
Debris (Y/N)	No			
Substructure General Rating		6	6	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		6	6	
Bank Stability		7	7	
HWM (m below Top of Curb)	4.0			No visible HWM
Drift (Y/N)	No			
Slope Protection		7	7	
(Type :)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				

Structure Usage				
		Last	Now	Explanation of Condition
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							
RETROFIT BRIDGE RAIL							
SEAL CURBS	2012	Repair curb scaling 4 x 0.2m					
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2011	Ditch in phone cable.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	68.7/68.5	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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	15-Jun-2013		Previous Inspection Date	20-Jan-2010			
Inspection Cycle (Default) (months)	21						
Comment							