

Bridge Inspection									
Bridge File Number	13351 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1964/2004				Lot No.	4			
Bridge or Town Name	PATRICIA				Inspector Name	Tom Carey			
Located Over	ONETREE CREEK, 3.12, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	876:04 C1 5.048				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	15-Feb-2010			
Legal Land Location	SW SEC 36 TWP 20 RGE 13 W4M				Data Entry By	Erin Roberts			
Longitude, Latitude	-111:41:22, 50:44:02				Data Entry Date	11-Apr-2010			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts			
Contract Main. Area	CMA23				Review Date	24-Feb-2010			
Clear Roadway/Skew					Dept. Reviewer Name	Lorenz Bohnert			
AADT/Year	410 / 2008 (A)				Dept. Review Date	13-Apr-2010			
Road Classification	RCU-208-110				Follow-Up By				
Detour Length (km)	22								
Allowable Load (t):	Single		Semi		Train		----> On Critical Spans ---->Critical Member		
Design Loading:							----> 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									

Utilities (Located at)									
Utility Attachments									
Telephone	CONDUIT ON WEST CURB				Gas	200m South			
Power	2 WIRE 50m NORTH AND E. DITCH				Municipal				
Others	WATER MONITORING WELL SE				Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			8	8	STRAIGHT, farm ent N&S				
Vertical Alignment			9	9					
Roadway Width (m)	8.500								
Approach Bump			8	8					
Guardrail (Y/N)	Yes				Wrong lap and missing bolts at SE				
Guardrail			7	4	not thriebeam				
Length (m)	35.000								
Current Standard (Y/N)	No								
Termination Type	TURNDOWN								
Drainage			7	7					
Approach Road General Rating			8	8					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SC, 3 Spans, Lengths(m): 8.5-8.5-8.5, 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			X	X	Narrow cracks at connector pockets
(Material Type :)					
(Thickness (mm) :)					
Lateral Connection Problem (Y/N)	Yes				
Deck Top			8	8	
Deck Rideability			8	8	
Deck Joints			7	7	
Bump (Y/N)		No			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			8	8	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			8	8	2 layer
(Type : FLEX BEAM)					
Bridge Rail Posts			8	8	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			8	8	
(Type :)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Girders			7	6	Hairline Some minor corrosion stains
Last Complete Inspection Date		15-Feb-2010			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 27)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			7	6	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing (mm) : 1800)						
(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				7	7	
(Type : STEEL)						
(Depth (mm) : 350)						
(Width (mm) : 375)						
Backwalls/Breastwalls				7	7	
Greatest Height (m)		1.00				
Wingwalls				7	N	
(Total Number of Bearing Piles : 7:7)				Only 200mm at top seen		
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Piles				N	7	
Paint/Coating				X	X	
Abutment Stability				7	7	
Scour/Erosion				6	6	
Piers/Bents						
(Type : PIER-COLUMN)						
(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				6	7	
(Type : TREATED TIMBER)						
(Depth (mm) : 350)						
(Width (mm) : 375)						
(Total Number of Bearing Piles : 9:7)				COVERED BY PLANKING except at top 200mm		
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Pier Shaft/Piles				N	6	
Greatest Height (m)		3.30				
Bracing/Struts/Sheathing				6	7	
Nose Plate				5	7	
Paint/Coating				X	X	
(Colour Description :)						
(Colour Code :)						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		7	7	
Scour		6	N	ice
Debris (Y/N)	No			
Substructure General Rating		6	6	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				(Minor sloughing d/s)
(D/S Direction : E)				
Alignment		5	5	
Bank Stability		5	N	snow
HWM (m below Top of Curb)				
Drift (Y/N)	No			
Slope Protection		5	5	Some class 1 and 2 at South
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	9	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		5	5	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
REPAIR/SEAL CURBS							
PATCH DECK							
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) (%)	72.2/66.7	Sufficiency Rating (Last/Now) (%)	76.8/60.4	Est. Repl. Yr	2027	Maint. Req. (Y/N)	No
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	Tim Davies		Previous Assistant's Name				
Next Inspection Date	15-May-2013		Previous Inspection Date	20-Feb-2007			
Inspection Cycle (Default) (months)	39						
Comment							