

Bridge Inspection									
Bridge File Number	77237 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1975/1975				Lot No.	4			
Bridge or Town Name	CAROLINE				Inspector Name	Garry Roberts			
Located Over	BURNT TIMBER CREEK, 3.106, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	LOCAL ROAD				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	01-Mar-2012			
Legal Land Location	SW SEC 26 TWP 30 RGE 9 W5M				Data Entry By	Erin Roberts			
Longitude, Latitude	-115:09:48, 51:35:31				Data Entry Date	26-Mar-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey			
Contract Main. Area	CMA28				Review Date	07-Mar-2012			
Clear Roadway/Skew	7.6 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	30 / 1991 (E)				Dept. Review Date	29-Mar-2012			
Road Classification	RLU-208-100				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	CURVE, 15 km/hr ADVISORY(@ North END CURVE), CREEK ID								

Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			3	3	Sharp corner at north end. In bottom of sag curve with steep hill to the North.				
Vertical Alignment			4	4					
Roadway Width (m)	7.000				Gravel.				
Approach Bump			5	5					
Guardrail (Y/N)	Yes				NE @ 8 m - ALL OTHERS @ 11 m. Not thriebeam.				
Guardrail			7	7					
Length (m)	8.000								
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN								
Drainage			7	7					
Approach Road General Rating			3	3					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : VF, 3 Spans, Lengths(m): 12.2-29.3-12.2, A-Ident Number:)					
Special Features					
Special Feature					
(Type :)					
Special Feature					
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	100	0	0	0	
Now	100.0	0.0	0.0	0.0	
Wearing Surface			X	X	
(Material Type :)					
(Thickness(mm) :)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	(Abrasion starting from gravel wear.) (Minor cracks @ center span) Snow Covered.
Deck Rideability			6	6	
Deck Joints			N	N	Snow Covered
Temperature (deg. C)		-3			
(Expansion Type :)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
30		N. pier			
25		S. pier			
Deck Drainage			7	7	Open joints drain onto substructure- no problems.
Drains Clogged (Y/N)		No			
Curbs/Median			N	6	270 x 90 TIMBER WHEEL GUARD ON 300 x 150 mm BLOCKING.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			7	7	8th post from SE @ East partially cracked 2 layer
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			5	5	
(Type : TREATED TIMBER;TREATED TIMBER)					
Bridge Rail/Posts Coating			4	4	Coating 10% failed
(Type : PAINT)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Girders			5	5	Cracking at deck underside in top chamfer near girder ends appears typical. NARROW WIDTH. NARROW FLEXURAL CRACKS @ ENDS.
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
(Number Of Girders : 15)					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : VF, 3 Spans, Lengths(m): 12.2-29.3-12.2, A-Ident Number:)				
Diaphragms/Cross Frame		7	7	
Bearings		7	7	Abuts fixed.
Temperature (deg. C)	-3			
(Expansion Type : REINFORCED PAD BEARING)				
(Fixed Type : REINFORCED PAD BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	
Stains (Percent Area)	5			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		5	5	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		6	6	
Piles		N	N	Buried.
Paint/Coating		X	X	
Abutment Stability		7	7	
Scour/Erosion		7	7	
Piers/Bents				
(Type : PIER-COLUMN)				HEAVY STAINING @ PIER FROM LEAKAGE @ SLIDING PLATE DECK JOINTS - PHOTO.
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0:0)				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		7	7	
Paint/Coating		5	5	Paint on Nose Plated. CEMENT AND SAND PARGING.
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		7	7	
Debris (Y/N)	No			
Substructure General Rating		7	7	

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

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							
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	54.6/55.5	Est. Repl. Yr	2025	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	Tom Carey		Previous Assistant's Name				
Next Inspection Date	01-Jun-2015		Previous Inspection Date	28-Jan-2009			
Inspection Cycle (Default) (months)	39						
Comment							