

Bridge Inspection									
Bridge File Number	06809 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1972/1972				Lot No.	2			
Bridge or Town Name	NANTON				Inspector Name	Garry Roberts			
Located Over	MOSQUITO CREEK, 2.12.12.12, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	533:04 C1 0.410				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	22-May-2010			
Legal Land Location	NW SEC 15 TWP 16 RGE 28 W4M				Data Entry By	Erin Roberts			
Longitude, Latitude	-113:46:18, 50:21:07				Data Entry Date	15-Jul-2010			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey			
Contract Main. Area	CMA27				Review Date	02-Jun-2010			
Clear Roadway/Skew	9.1 /				Dept. Reviewer Name	Lorenz Bohnert			
AADT/Year	1,010 / 2009 (A)				Dept. Review Date	23-Jul-2010			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	3								
Allowable Load (t):	Single	CS1 41 GIRDER	Semi	CS2 49	Train	CS3 62	----> 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 Required								
Hazard Marker At Bridge (Y/N)	No								
Remarks									
Other Sign Types	curve								
Utilities (Located at)									
Utility Attachments									
Telephone	SE corner.				Gas	Southwest.			
Power	West 40 m, 2 wire.				Municipal	SW storm drain.			
Others	& 1 W CROSSES ROAD 25 m S				Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	Curves at both ends				
Vertical Alignment			7	7					
Roadway Width (m)	10.000								
Approach Bump			8	7					
Guardrail (Y/N)	Yes				Only at SE corner. Not thriebeam				
Guardrail			7	7					
Length (m)	17.000								
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 : FC, 1 Spans, Lengths(m): 32, A-Ident Number:)					
Special Features					
Special Feature			7		
(Type : EXT LATER POST TENS)					
Special Feature			7		
(Type : UNDERSLUNG DIAPHR)					
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		8	7	FIBRE REIN SILICA FUME CONC Some random narrow cracks @ NBL @ N end	
(Material Type : CONCRETE)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top		N	N		
Deck Rideability		8	8		
Deck Joints		3	3	Torn @ South Abut joint S/B lane	
Temperature (deg. C)		14			
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type : ASPHALTIC FIBRE BOARD)					
Gap Size (mm)		Gap Location			
30		S ABUT			
70		N ABUT			
Deck Drainage		7	8		
Drains Clogged (Y/N)		No			
Curbs/Median		N	7		
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail		7	7	9 post A/B nuts too short at West side	
(Type : BRIDGE TUBE)					
Bridge Rail Posts		N	4		
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating		N	6		
(Type :)					
Sidewalk		N	7		
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Girders		5	5	Typical FC chamfer cracks. MED WIDTH @ EXTERIORS. NARROW @ INTERIORS	
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
(Number Of Girders : 7)					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : FC, 1 Spans, Lengths(m): 32, A-Ident Number:)				
Diaphragms/Cross Frame		6	7	Hairline vert cracks @ abuts
Bearings		4	7	Exterior of grout pads are spalled- minor
Temperature (deg. C)	14			
(Expansion Type : REINFORCED PAD BEARING)				
(Fixed Type :)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	
Stains (Percent Area)	0			
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		7	7	
Piles		N	N	
Paint/Coating		6	5	Graffiti covered
Abutment Stability		7	7	
Scour/Erosion		3	4	Eroding at South headslope
Piers/Bents				
(Type :)				
Bearing Seats/Caps		X	X	
(Type :)				
(Total Number of Bearing Piles :)				
Pier Shaft/Piles		X	X	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	Yes			Old piles in channel
Substructure General Rating		7	7	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				ON CURVE
(D/S Direction : E)				
Alignment		6	6	
Bank Stability		4	4	Scoured 2m dp @ South abut and @ SE bank
HWM (m below Top of Curb)	3.5			No visible HWM
Drift (Y/N)	No			
Slope Protection		3	4	
(Type :)				
Guidebank/Spurs		X	X	
Adequacy of Opening		6	6	
(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	2010	Replace South Seal					
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION	2010	50m3 clay and 50m3 class 2 rock @ south abut					
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2010	Remove 3 old piles					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	63.1/63.6	Est. Repl. Yr	2043	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	Tom Carey		Previous Assistant's Name				
Next Inspection Date	22-Aug-2013		Previous Inspection Date	04-Dec-2006			
Inspection Cycle (Default) (months)	39						
Comment							