

Bridge Inspection							
Bridge File Number	77500 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1962/1962			Lot No.	1		
Bridge or Town Name	NANTON			Inspector Name	Garry Roberts		
Located Over	ETHERINGTON CREEK, 2.13.27.29, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	LOCAL ROAD			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	21-Dec-2011		
Legal Land Location	NE SEC 9 TWP 16 RGE 5 W5M			Data Entry By	Erin Roberts		
Longitude, Latitude	-114:37:28, 50:20:00			Data Entry Date	24-Jan-2012		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Joel Wozney		
Contract Main. Area	CMA27			Review Date	23-Dec-2011		
Clear Roadway/Skew	7.3 / 15 deg. (RHF)			Dept. Reviewer Name	Tim Davies		
AADT/Year	50 / 2008 (E)			Dept. Review Date	06-Feb-2012		
Road Classification	RCU-208-110			Follow-Up By			
Detour Length (km)	100						
Allowable Load (t):	Single	CS1 30 GIRDER	Semi	CS2 52 GIRDER	Train	CS3 75 GIRDER	----> 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)	Yes						
Remarks							
Other Sign Types	Creek ID, Curve.						

Utilities (Located at)			
Utility Attachments			
Telephone			Gas
Power			Municipal
Others			Problem (Y/N)
Remarks	None visible.		

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	6	Intersection 45 m South. Hills and curves both ends.
Vertical Alignment		7	6	
Roadway Width (m)	7.000			Gravel.
Approach Bump		7	5	
Guardrail (Y/N)	Yes			Not thriebeam.
Guardrail		7	5	
Length (m)	15.200			
Current Standard (Y/N)	No			
Termination Type	TURNED DOWN			
Drainage		7	5	Stop sideslopes at NE and SW.
Approach Road General Rating		7	6	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : HC, 1 Spans, Lengths(m): 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	50	0	0	0	
Now	100.0	0.0	0.0	0.0	
Wearing Surface			X	X	Covered with gravel and snow.
(Material Type :)					
(Thickness(mm) :)					
Lateral Connection Problem (Y/N)		No			
Deck Top			5	N	
Deck Rideability			7	7	
Deck Joints			X	X	
Bump (Y/N)		No			
Deck Drainage			5	6	
Drains Clogged (Y/N)		No			
Curbs/Median			N	N	Curb tops & gutters snow covered.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			7	7	Base plates snow covered. Single layer
(Type : FLEX BEAM)					
Bridge Rail Posts			N	N	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			5	5	
(Type : PAINT)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last				3	
Now	0	0	0	3	
Girders			3	3	G2- G7 have narrow shear cracks (Side of girder broken out 3 connectors pockets. 50% of connector pockets seen.) Oct 28/2008
Last Complete Inspection Date		21-Dec-2011			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		5			
Lift or Connector Pocket Grouted (Y/N)		No			
(Number Of Girders : 9)					
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)							
(Extended Backwall Piles Spacing(mm) :)							
(Total Number of Caps/Corbels : :)							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)		Massive concrete	
Last							
Now	0	0	0	0			
Bearing Seats/Caps/Corbels				7	7		
(Type : CONCRETE)							
(Depth(mm) :)							
(Width(mm) :)							
Backwalls/Breastwalls				7	7		
Greatest Height (m)		4.20					
Wingwalls				6	6		
(Total Number of Bearing Piles : 0:0)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last	100						
Now	1	0	0	0			
Piles				N	N		
Paint/Coating				X	X		
Abutment Stability				6	7		
Scour/Erosion				4	5		
Piers/Bents							
(Type :)							
(Total Number of Caps/Corbels :)							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now							
Bearing Seats/Caps/Corbels				X	X		
(Type :)							
(Depth(mm) :)							
(Width(mm) :)							
(Total Number of Bearing Piles :)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now							
Pier Shaft/Piles				X	X		
Greatest Height (m)							
Bracing/Struts/Sheathing				X	X		
Nose Plate				X	X		
Paint/Coating				X	X		
(Colour Description :)							
(Colour Code :)							

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		6	7	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				Sharp bend upstream.
(D/S Direction : E)				Erosion @ NW bank - steep cut. Erosion @ D/S SE bank.
Alignment		4	4	
Bank Stability		5	5	
HWM (m below Top of Curb)				No visible HWM
Drift (Y/N)	No			
Slope Protection (Type : RIP RAP; RIP RAP)		3	5	Appears repaired.
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		3	4	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS	2017	Consider new superstructure. Bridge is on log haul route with 62 tonne logging trucks.					
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP	2012	10m3 class 2 @ SW Bank and wingwall- if not already done.					
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2012	Patch sides of girders @ connection pockets - if not already done.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	50.0/55.6	Sufficiency Rating (Last/Now) (%)	60.6/64.6	Est. Repl. Yr	2020	Maint. Req'd. (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	21-Mar-2015		Previous Inspection Date	28-Oct-2008			
Inspection Cycle (Default) (months)	39						
Comment							