

Bridge Inspection									
Bridge File Number	76118 -1 Bridge				Form Type	SG PCS			
Year Built/Year Supstr	1966/1966				Lot No.	2			
Bridge or Town Name	HONDO				Inspector Name	Wade Nanninga			
Located Over	SAULTEAUX RIVER, 8.11.80.11, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	2:46 C1 20.161				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	28-Mar-2013			
Legal Land Location	SE SEC 21 TWP 71 RGE 2 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-114:14:22, 55:09:28				Data Entry Date	16-Apr-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA10				Review Date	12-Apr-2013			
Clear Roadway/Skew	11 /				Dept. Reviewer Name	Brent Herrick			
AADT/Year	2,370 / 2012 (A)				Dept. Review Date	23-Apr-2013			
Road Classification	RAU-210-110				Follow-Up By				
Detour Length (km)	250								
Allowable Load (t):	Single		Semi		Train				----> 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	EB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	WB	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	Not required.								
Other Sign Types	Information, "Saulteaux River" sign @ NW & SE.								
Utilities (Located at)									
Utility Attachments									
Telephone	East r/w.				Gas				
Power					Municipal				
Others	Stream gauging station @ SE.				Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			9	9	All joints have slight bump. Approaches patched.				
Vertical Alignment			9	9					
Roadway Width (m)	9.900				Not thrie beam type, insufficient posts/spacing/length, not strong post config (missing blocking). NW & SE - 53.2m; NE & SW - 38.0m.				
Approach Bump			5	5					
Guardrail (Y/N)	Yes								
Guardrail			6	6					
Length (m)	38.000								
Current Standard (Y/N)	No								
Termination Type	Turned Down								
Drainage			7	7					
Approach Road General Rating			9	9					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : WG, 3 Spans, Lengths(m): 5.9-39.6-5.9, A-Ident Number: A0534-01)					
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	50.0				
Wearing Surface			5	5	Chipseal on epoxy w/s on concrete. Chipseal 2% missing.
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Deck Top			N	N	
Deck Rideability			6	5	
Deck Joints			4	4	Joint poured full of tar material which is coming out of pier joints. West abut paving lip cracking - potholes forming.-photo
Temperature (deg. C)					
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
Gap Size (mm)		Gap Location			
40		West abutment			
55		West pier			
55		East pier			
50		East abutment			
Deck Drainage			7	3	Frain tube @ NW missing - water leaking onto flange.
Drains Clogged (Y/N)		No			
Curbs/Median			7	7	Hairline vertical cracks in fascia below posts.
(Curb Type : Standard)					
Scaling (Percent Area)		20			
Bridge Rail			7	7	Insufficient thread on A/B.
(Type : GALVANIZED STEEL BRIDGE TUBE;BRIDGE TUBE)					
Bridge Rail Posts			4	4	
(Type : GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	6	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder/Beam					
Cover Plate			X	X	
Flange			N	7	
Web			N	7	
Stiffeners			N	7	
Splice			N	7	
Weld			N	7	
Diaphragms/Cross Frame			N	7	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : WG, 3 Spans, Lengths(m): 5.9-39.6-5.9, A-Ident Number: A0534-01)					
Paint Condition		N	8	New paint Green.	
(Colour Description :)					
(Colour Code :)					
Touchup Required (Y/N)	No				
Bearings		N	4	SE grout pad cracked.	
Temperature (deg. C)	0				
(Expansion Type : ROCKER BEARING)					
(Fixed Type : PINNED BEARING)					
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	7		
Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Secondary Span : SMC)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last					
Now	5.0				
Wearing Surface		4	4	Chipseal 1% missing. 2m2 exoxy missing @ SW.	
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	No				
Deck Top		N	N		
Deck Rideability		6	5		
Deck Joints		5	5	Joint poured full of tar material which is coming out of pier joints	
Bump (Y/N)	Yes				
Deck Drainage		7	7		
Drains Clogged (Y/N)	No				
Curbs/Median		7	7		
(Curb Type : Standard)					
Scaling (Percent Area)	30				
Bridge Rail		7	7	Insufficient threads on anchor bolts.	
(Type : GALVANIZED STEEL BRIDGE TUBE;BRIDGE TUBE)					
Bridge Rail Posts		4	4		
(Type : GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating		7	7		
(Type : GALVANIZED)					

Superstructure						
Bridge Component				Last	Now	Explanation of Condition
(Secondary Span : SMC)						
Sidewalk				X	X	
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now						
Girders				5	5	Narrow longitudinal cracking on 50% girders.
Last Complete Inspection Date		28-Mar-2013				
Cracking (Y/N)		Yes				
Spalling (Percent Area)		0				
Lift or Connector Pocket Grouted (Y/N)						
(Number Of Girders : 20)						
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						
(Extended Backwall Piles (Y/N) : N)				Broken/loose bridge plaques.		
(Extended Backwall Piles Spacing(mm) :)						
(Total Number of Caps/Corbels : 1:1)				Spot rust staining on fascia of East abutment, delam crack Minor hairline cracks. Hairline map cracking & scaling.		
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now						
Bearing Seats/Caps/Corbels				4	4	
(Type : CONCRETE)						
(Depth(mm) :)						
(Width(mm) :)						
Backwalls/Breastwalls				X	X	
Greatest Height (m)		1.50				
Wingwalls				5	5	
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	99					
Now	99					
Piles				N	N	
Paint/Coating				X	X	
Abutment Stability				7	7	
Scour/Erosion				5	5	

Substructure							
Bridge Component				Last	Now	Explanation of Condition	
Piers/Bents							
(Type : PIER-SOLID)				Vertical wide crack in both piers @ c/l.			
(Total Number of Caps/Corbels : :)							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)				3 (count)
Last	0	0	0				0
Now							
Bearing Seats/Caps/Corbels				4	4		
(Type : CONCRETE)							
(Depth(mm) :)							
(Width(mm) :)							
(Total Number of Bearing Piles : 0:0)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last	0	0	0	0			
Now							
Pier Shaft/Piles				6	5		
Bracing/Struts/Sheathing				X	X		
Nose Plate				X	X		
Paint/Coating				X	X		
(Colour Description :)							
(Colour Code :)							
Pier Stability				8	7		
Scour				7	N		
Debris (Y/N)		Yes				Log on East pier.	
Substructure General Rating				4	4		
Structure Usage							
				Last	Now	Explanation of Condition	
Channel							
(U/S Direction : W)				On bend.			
(D/S Direction : E)							
Alignment				6	4		
Bank Stability				5	4	Bank 20m S eroding form alignment.	
HWM (m below Top of Curb)		3.3				Water 0.4m below steel girders-Jul,2011	
Drift (Y/N)		Yes					
Slope Protection				6	5		
(Type : NATURAL; NATURAL)							
Guidebank/Spurs				X	X		
Adequacy of Opening				7	7		
(Fish Compensation Measure 1 : NONE)							
(Fish Compensation Measure 2 : NONE)							
Channel General Rating				5	4		

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							
PATCH DECK	2013	Paving lip @ West, pot holes.					
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION	2013						
OTHER ACTION	2013	Install drain tube (PVC 75mmx3m)					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	50.0/50.0	Sufficiency Rating (Last/Now) (%)	56.0/54.5	Est. Repl. Yr	2029	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	Eric Carcoux		Previous Assistant's Name				
Next Inspection Date	28-Dec-2014		Previous Inspection Date	13-Jul-2011			
Inspection Cycle (Default) (months)	21						
Comment							