

Bridge Inspection											
Bridge File Number	72128 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1996/1996				Lot No.	2					
Bridge or Town Name	HONDO				Inspector Name	Wade Nanninga					
Located Over	ROURKE CREEK, 8.11.82, WATERCRS-ST				Inspector Class	BR CLS A					
Located On	44:04 C1 46.256				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	28-Mar-2013					
Legal Land Location	NW SEC 23 TWP 69 RGE 1 W5M				Data Entry By	Theresa Lacusta					
Longitude, Latitude	-114:02:25, 54:59:34				Data Entry Date	23-Apr-2013					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux					
Contract Main. Area	CMA10				Review Date	17-Apr-2013					
Clear Roadway/Skew	11.9 / -15 deg. (LHF)				Dept. Reviewer Name	Brent Herrick					
AADT/Year	1,900 / 2012 (A)				Dept. Review Date	01-May-2013					
Road Classification	RAU-211.8-110				Follow-Up By						
Detour Length (km)	20										
Allowable Load (t):	Single	CS1 28			Semi	CS2 49			Train	CS3 62	----> On Critical Spans ---->Critical Member
Design Loading:	CS750									----> 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										
Hazard Marker At Bridge (Y/N)			No							
Remarks										
Other Sign Types										

Utilities (Located at)										
Utility Attachments										
Telephone	East R/W				Gas					
Power	2 Wire OH E R/W				Municipal					
Others					Problem (Y/N)		No			
Remarks										

Approach Road					
		Last	Now	Explanation of Condition	
Horizontal Alignment		7	8	Access road to North.	
Vertical Alignment		7	7	Curve to the North. In gradual sag curve with limited sight distance to South.	
Roadway Width (m)		11.300		Wide crack which is losing ACP along edges at end of both approach slabs.	
Approach Bump		6	4		
Guardrail (Y/N)		Yes		Not thrie beam, too low - 250mm high NW guardrail.	
Guardrail		5	5		
Length (m)		44.100			
Current Standard (Y/N)		No			
Termination Type		Turn Down			
Drainage		7	7		
<b>Approach Road General Rating</b>		<b>7</b>	<b>7</b>		

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>SCC, 3 Spans, Lengths(m): 8-12-8, A-Ident Number: )</b>					
<b>Special Features</b>					
Special Feature			X		
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>	0	0	0	0	
<b>Now</b>					
Wearing Surface			4	4	Chip seal on 150mm concrete. Few small areas on c/l peeling approx 2m2 total - photo. 16m2 bare concrete exposed in NB @ South abutment joint
(Material Type : <b>CONCRETE - CONVENTIONAL CHIP SEAL COAT</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)	Yes				
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			7	7	Buffer angle @ abutment. 10mm gap between approach slabs and angles.
Bump (Y/N)	No				
Deck Drainage			7	7	
Drains Clogged (Y/N)	No				
Curbs/Median			6	6	Random hairline longitudinal transverse cracking on curb finish peeling on fascias.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)	0				
Bridge Rail			5	6	
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts			7	7	
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			7	7	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>					
Girders			5	5	(Couple typical diagonal cracks @ curb units, hairline less then 0.5m long. S2G9 typ diagonal crack over P2 - 11-Dec-2007.) Heavy paint peeling on ext face, typical both sides. Viewed S2 from banks. Cracking in poured joint over P2. Hairline longitudinal crack @ S1G6N.
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 : <b>33</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)	No				
Horizontal (Y/N)	No				
<b>Superstructure General Rating</b>			<b>5</b>	<b>5</b>	

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
<b>Abutments</b>					
(Extended Backwall Piles (Y/N) : <b>N</b> )					
(Extended Backwall Piles Spacing(mm) : )					
(Total Number of Caps/Corbels : <b>1:1</b> )					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>					
Bearing Seats/Caps/Corbels			7	7	
(Type : <b>CONCRETE</b> )					
(Depth(mm) : <b>1600</b> )					
(Width(mm) : <b>600</b> )					
Backwalls/Breastwalls			X	X	
Greatest Height (m)		1.60			
Wingwalls			7	7	
(Total Number of Bearing Piles : <b>0:0</b> )					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	999	0	0	0	
<b>Now</b>	999				
Piles			N	N	
Paint/Coating			5	5	
Abutment Stability			7	7	
Scour/Erosion			7	4	
Toe of S headslope eroding/sloughing.					
<b>Piers/Bents</b>					
(Type : <b>PIER-COLUMN</b> )					
(Total Number of Caps/Corbels : <b>1:1</b> )					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>					
Bearing Seats/Caps/Corbels			7	7	
(Type : <b>CONCRETE</b> )					
(Depth(mm) : <b>800</b> )					
(Width(mm) : <b>800</b> )					
(Total Number of Bearing Piles : <b>6:6</b> )					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>					
Pier Shaft/Piles			7	7	
Greatest Height (m)		4.20			
Bracing/Struts/Sheathing			7	7	
Nose Plate			X	X	
Paint/Coating			7	7	
galvanized					
(Colour Description : )					
(Colour Code : )					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		7	7	
Scour		7	N	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>7</b>	<b>7</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>E</b> )				
(D/S Direction : <b>W</b> )				
Alignment		8	8	
Bank Stability		7	6	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		7	4	Beaver dam 40m U/S channel. Soth toe sloughing
(Type : <b>NONE; NONE</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>7</b>	<b>4</b>	

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							
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	2013	Seal cracks @ abutments.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>66.7/66.7</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>63.3/58.7</b>	Est. Repl. Yr	2054	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor erosion S headslope.		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							