

Bridge Inspection									
Bridge File Number	75752 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1986/1986				Lot No.	2			
Bridge or Town Name	WIDEWATER				Inspector Name	Wade Nanninga			
Located Over	TRIBUTARY TO LESSER SLAVE RIVER, 8.11.80.32, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	2:48 C1 16.390				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	27-Mar-2013			
Legal Land Location	SW SEC 27 TWP 73 RGE 7 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-114:59:43, 55:20:53				Data Entry Date	16-Apr-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA06				Review Date	11-Apr-2013			
Clear Roadway/Skew	12.1 /				Dept. Reviewer Name	Brent Herrick			
AADT/Year	3,030 / 2012 (A)				Dept. Review Date	23-Apr-2013			
Road Classification	RAU-211.8-110				Follow-Up By				
Detour Length (km)	3								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	MS300						----> 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	'Nine Mile Creek".								
Utilities (Located at)									
Utility Attachments									
Telephone	South r/w.				Gas				
Power	6 wires north r/w boundry.				Municipal				
Others	Alberta supernet fibre optic North r/w.				Problem (Y/N)		No		
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Residence entrance 60m NE.				
Vertical Alignment			8	8					
Roadway Width (m)	10.400								
Approach Bump			6	6					
Guardrail (Y/N)	Yes				All approach transitions not bolted to bridgerail - photos. Missing anchor bolt nut @ SW transition.				
Guardrail			3	3					
Length (m)	45.600								
Current Standard (Y/N)	No								
Termination Type	Turned Down								
Drainage			7	4	Ponding @ 4 corners.				
<b>Approach Road General Rating</b>			<b>7</b>	<b>7</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>SMC, 3 Spans, Lengths(m): 10-11-10, 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>					
<b>Now</b>	20.0				
Wearing Surface			5	5	Two shallow pot holes in S. shoulder.-Jun-2011
(Material Type : <b>ACP - CONVENTIONAL CHIP SEAL COAT</b> )					
(Thickness(mm) : <b>70</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	
Bump (Y/N)		No			
Deck Drainage			4	4	Two deck drains have had extensions broken allowing water to travel along underside of girder, East span. (photo)
Drains Clogged (Y/N)		No			
Curbs/Median			7	N	
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		5			
Bridge Rail			7	7	Insufficient thread, 5%.
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts			4	4	
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			6	6	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>					
Girders			5	5	Approx 200 mm hairline diagonal cracks on curb undersides, typical. 2 girders with construction spalls in east span G6 & G8  Cracking in poured connections.
Last Complete Inspection Date		27-Mar-2013			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(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) : )					
(Width(mm) : )					
Backwalls/Breastwalls			X	X	
Greatest Height (m)		1.20			
Wingwalls			4	N	
(Total Number of Bearing Piles : <b>0:0</b> )					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	99	0	0	0	
<b>Now</b>	99				
Piles			N	N	
Paint/Coating			5	5	
Abutment Stability			7	7	
Scour/Erosion			7	7	
<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			5	5	
(Type : <b>CONCRETE</b> )					
(Depth(mm) : <b>700</b> )					
(Width(mm) : <b>600</b> )					
(Total Number of Bearing Piles : <b>6:6</b> )					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>					
Pier Shaft/Piles			7	7	
Greatest Height (m)		3.40			
Bracing/Struts/Sheathing			6	6	
Nose Plate			X	X	
Paint/Coating			4	4	
(Colour Description : )					
(Colour Code : )					
1.2m high abrasion to paint on pier piles. (photo) Green.					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		7	7	
Scour		4	N	Small class 1 M rock at base of headslope near W pier inadequate. Erosion occurring around base of pier (photo)Jun-2011
Debris (Y/N)	Yes			Large drift @ pier 2.
<b>Substructure General Rating</b>		<b>5</b>	<b>5</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>S</b> )				
(D/S Direction : <b>N</b> )				
Alignment		4	4	
Bank Stability		4	4	Rock riprap missing at 3 locations at SE corner of bridge (photo)
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Yes			
Slope Protection		4	4	Class 1+ on East headslope, class 1m on West headslope. West headslope washing out over 9m length - rock too small (photo)-Jun 2011
(Type : <b>RIP RAP; RIP RAP</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		6	6	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>4</b>	<b>4</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2013	Replace nut, connections at transition. All four corners.					
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	2013	Place approx 50m3 class 2 rock riprap at west headslope and SE corner, if not done.					
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2013	Extend deck down drain where missing (2) & seal around edges.					
OTHER ACTION	2013	Replace deformed/corroded pier metal drip strip @ major rehab.					
OTHER ACTION	2013	Patch spall in NW wingwall @ major rehab., if not done.					
OTHER ACTION	2013	Consider painting lower portion of pier piles, if not done.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>55.6/55.6</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>58.2/57.9</b>	Est. Repl. Yr	2054	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	Shane Hall		Previous Assistant's Name				

Next Inspection Date	27-Dec-2014	Previous Inspection Date	09-Jun-2011
Inspection Cycle (Default) (months)	21		
Comment			