

Bridge Inspection											
Bridge File Number	75731 S-1 Bridge				Form Type	PSR					
Year Built/Year Supstr	1964/1964				Lot No.	4					
Bridge or Town Name	WANDERING RI				Inspector Name	Wade Nanninga					
Located Over	WANDERING RIVER, 8.11.55.3, WATERCRS-ST				Inspector Class	BR CLS A					
Located On	63:04 C1 2.832				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	14-Nov-2011					
Legal Land Location	NW SEC 12 TWP 73 RGE 17 W4M				Data Entry By	Theresa Lacusta					
Longitude, Latitude	-112:29:08, 55:18:39				Data Entry Date	23-Nov-2011					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux					
Contract Main. Area	CMA07				Review Date	23-Nov-2011					
Clear Roadway/Skew	13.4 / 40 deg. (RHF)				Dept. Reviewer Name	Brent Herrick					
AADT/Year	3,800 / 2010 (A)				Dept. Review Date	15-Dec-2011					
Road Classification	RAU-213.4-120				Follow-Up By						
Detour Length (km)	100										
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	Not required.								
Hazard Marker At Bridge (Y/N)	No								
Remarks	Not required.								
Other Sign Types	"Wandering River" NW & SE corners.								

Utilities (Located at)									
Utility Attachments									
Telephone	East r/w.				Gas				
Power	4 lines West r/w.				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Access road to NW/SW.				
Vertical Alignment			8	8					
Roadway Width (m)			14.400		No thrie beam transition.				
Approach Bump			7	7					
Guardrail (Y/N)			Yes						
Guardrail			7	7					
Length (m)			64.600						
Current Standard (Y/N)			No						
Termination Type			TURN DOWN.						
Drainage			6	6					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : CBC, 3 Spans, Lengths(m): 18-16-18, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last					
Now	10.0	0.0	0.0	0.0	
Wearing Surface			5	4	Moderate scaling in gutter both sides of drains. Chipseal stops 400mm short of curb. -11-Mar-2010 Chipseal 30% worn off.
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	No				
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	Paved over. New pavement. Fixed: Type I both abutments.
Temperature (deg. C)		-5			
(Expansion Type : ASPHALTIC FIBRE BOARD)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			6	6	Narrow transverse cracks 300mm oc with staining.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			7	7	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			7	7	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	Underside of center span viewed from bank.
Last					
Now					
Girders			7	7	
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
(Number Of Girders : 12)					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : CBC, 3 Spans, Lengths(m): 18-16-18, A-Ident Number:)				
Diaphragms/Cross Frame		8	8	
Bearings		5	5	All bearings are slightly deformed from skew pressure.
Temperature (deg. C)	-5			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		8	8	
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		8	8	
(Type : CONCRETE)				
Backwalls/Breastwalls		8	8	
Wingwalls		7	7	
Piles		N	N	
Paint/Coating		X	X	
Abutment Stability		8	8	
Scour/Erosion		5	5	Fill settled at top of headslope-North abutment.
Piers/Bents				
(Type : PIER-SOLID)				Vertical cracks @ centerline both piers.
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0:0)				
Pier Shaft/Piles		8	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		8	8	
Paint/Coating		7	7	
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		8	8	
Debris (Y/N)	No			
Substructure General Rating		8	7	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				
(D/S Direction : W)				
Alignment		7	7	
Bank Stability		6	6	
HWM (m below Top of Curb)				HWM not visible. Several logs caught along the banks.
Drift (Y/N)	Yes			
Slope Protection		5	5	Fill settled at top of headslope.
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		5	5	

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							
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	72.2/66.7	Sufficiency Rating (Last/Now) (%)	58.1/55.9	Est. Repl. Yr	2044	Maint. Req. (Y/N)	No
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	Arnold Assenheimer		Previous Assistant's Name	Wade Nanninga			
Next Inspection Date	14-Aug-2013		Previous Inspection Date	11-Mar-2010			
Inspection Cycle (Default) (months)	21						
Comment							