

Bridge Inspection									
Bridge File Number	09474 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1971/1971				Lot No.	4			
Bridge or Town Name	WARDLOW				Inspector Name	Jason Saly			
Located Over	BERRY CREEK, 3.14, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	876:06 C1 9.381				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	27-Nov-2010			
Legal Land Location	SW SEC 35 TWP 22 RGE 12 W4M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-111:34:02, 50:54:48				Data Entry Date	07-Jan-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	CMA21				Review Date	11-Dec-2010			
Clear Roadway/Skew	7.3 /				Dept. Reviewer Name	Chris Black			
AADT/Year	190 / 2009 (A)				Dept. Review Date	11-Jan-2011			
Road Classification	RCU-208-110				Follow-Up By				
Detour Length (km)	80								
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	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									

Utilities (Located at)									
Utility Attachments									
Telephone	West R/W.				Gas				
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Wardlow access 200 m North.				
Vertical Alignment			7	7					
Roadway Width (m)	7.000								
Approach Bump			6	6					
Guardrail (Y/N)	Yes				Minor damage at NW turndown - still functional				
Guardrail			5	5					
Length (m)	39.200								
Current Standard (Y/N)	Yes								
Termination Type	TURNED DOWN END								
Drainage			7	N	Snow covered.				
<b>Approach Road General Rating</b>			<b>7</b>	<b>7</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PMO, 3 Spans, Lengths(m): 12.2-15.2-12.2, A-Ident Number: )					
<b>Special Features</b>					
Special Feature			X		
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Snow covered.
<b>Last</b>	0	0	0	0	
<b>Now</b>	100.0	0.0	0.0	0.0	
Wearing Surface			7	N	FRSFC
(Material Type : <b>CONCRETE</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			7	7	Dirt & debris along gland.
Temperature (deg. C)		-16			
(Expansion Type : )					
(Fixed Type : )					
Gap Size (mm)		Gap Location			
65		Pier 1			
62		Pier 2			
Deck Drainage			6	N	(No deck drains, relatively flat grade. 09Feb2009). Snow covered.
Drains Clogged (Y/N)					
Curbs/Median			7	N	Med vert cracking in exterior below posts. Snow covered.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			7	7	Double layer.
(Type : <b>GALVANIZED STEEL FLEX BEAM</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	
<b>Girder Detail Ratings</b>					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0	0	0	0	
Girders			5	6	
Cracking (Y/N)		Yes			(The SE curb unit has 1 hairline longitudinal crack with leaching. 09Feb2009). The SW curb unit has honeycomb area.
Spalling (Percent Area)		0			
(Number Of Girders : <b>30</b> )					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : PMO, 3 Spans, Lengths(m): 12.2-15.2-12.2, A-Ident Number: )				
Diaphragms/Cross Frame		X	X	
Bearings		7	7	
Temperature (deg. C)	-16			
(Expansion Type : <b>NEOPRENE STRIP BEARING</b> )				
(Fixed Type : )				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		6	N	Due to span type, deck underside is not visible.
Stains (Percent Area)	0			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>5</b>	<b>6</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		7	7	
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls		N	N	Visible at curb edges only
Wingwalls		7	7	
Piles		N	N	Buried.
Paint/Coating		7	7	
Abutment Stability		8	8	
Scour/Erosion		7	7	
<b>Piers/Bents</b>				
(Type : <b>PIER-COLUMN</b> )				
Bearing Seats/Caps		7	7	
(Type : <b>CONCRETE</b> )				
(Total Number of Bearing Piles : <b>5:5</b> )				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		7	7	
Nose Plate		7	7	
Paint/Coating		4	4	Pile starting to rust at waterline
(Colour Description : <b>BLUE</b> )				
(Colour Code : <b>15182</b> )				
Pier Stability		8	8	
Scour		7	N	Ice/snow.
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>W</b> )				
(D/S Direction : <b>E</b> )				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		8	7	
(Type : )				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>7</b>	<b>7</b>	

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							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>66.7/72.2</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>68.4/71.1</b>	Est. Repl. Yr	2037	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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	27-Feb-2014		Previous Inspection Date	09-Feb-2009			
Inspection Cycle (Default) (months)	39						
Comment							