

Bridge Inspection									
Bridge File Number	07922 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1983/1983				Lot No.	2			
Bridge or Town Name	WABASCA				Inspector Name	Arnold Assenheimer			
Located Over	WILLOW RIVER, 8.10.18.25, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	754:06 C1 21.211				Assistant Name	Wade Nanninga			
Water Body Cl./Year					Assistant Class	BR CLS B			
Navigabil. Cl./Year					Inspection Date	07-Jan-2011			
Legal Land Location	SE SEC 12 TWP 80 RGE 26 W4M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-113:55:18, 55:55:00				Data Entry Date	03-Feb-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Stew Hagan			
Contract Main. Area	CMA06				Review Date	17-Jan-2011			
Clear Roadway/Skew	8.3 /				Dept. Reviewer Name	Brent Herrick			
AADT/Year	2,830 / 2009 (A)				Dept. Review Date	08-Feb-2011			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	100								
Allowable Load (t):	Single	CS1 28		Semi	CS2 49		Train	CS3 62	
Design Loading:	MS300							----> On Critical Spans ---->Critical Member	
								----> 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)	Yes								
Remarks	Mounted on approach rail posts, not in line with rail.								
Other Sign Types									
Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone	North r/w.				Gas				
Power	Street lights to SE & SW.				Municipal				
Others	WSC Guage Station at SE corner.				Problem (Y/N)		No		
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Intersection to East.				
Vertical Alignment			8	8					
Roadway Width (m)	8.000								
Approach Bump			8	8					
Guardrail (Y/N)	Yes								
Guardrail			4	4	Insufficient length & posts, too low, 450 high - photo. Creased-still functional				
Length (m)	30.400								
Current Standard (Y/N)	No								
Termination Type	Turned Down								
Drainage			4	4	Deck drainage @ NE creating small erosion channel at headslope - photo.-15-Aug-2007				

Approach Road					
			Last	Now	Explanation of Condition
<b>Approach Road General Rating</b>			7	7	
Superstructure					
Bridge Component			Last	Now	Explanation of Condition
(Primary Span : DBT, 1 Spans, Lengths(m): 42, 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			8	6	Scraped from grader.
(Material Type : <b>ACP - CONVENTIONAL CHIP SEAL COAT</b> )					
(Thickness(mm) : <b>90</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			8	8	
Temperature (deg. C)		-5			
(Expansion Type : <b>GLAND (WABO-MAUER, TRANSFLEX, ETC)</b> )					
(Fixed Type : )					
Gap Size (mm)		Gap Location			
78		East abutment			
80		West abutment			
Deck Drainage			4	4	Creating erosion channel @ NE & SE headslope - photo. Missing lower section of NW drain PVC, staining bottom flange - photo.
Drains Clogged (Y/N)		No			
Curbs/Median			6	N	Minor scaling @ NE end.-15-Aug-2007
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		5			
Bridge Rail			8	8	Insufficient thread on anchor bolts 10%.
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts			4	N	
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			8	7	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : DBT, 1 Spans, Lengths(m): 42, A-Ident Number: )				
Girders		5	5	Typical hairline DBT cracks.
Cracking (Y/N)	Yes			50mm chip along bottom of 50% of girders - from placement of girders.
Spalling (Percent Area)	0			
(Number Of Girders : 8)				
Diaphragms/Cross Frame		7	7	
Bearings		4	4	Some West abutment bearing grout pads are cracked/spalled, G7 & G8 - photo.
Temperature (deg. C)	-5			
(Expansion Type : <b>REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL</b> )				
(Fixed Type : <b>PINNED BEARING</b> )				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		4	4	Water leaked through grout keys and connectors have rust stains & joints have leaching stains - photos. Leakage should be stopped with newly ACP placed. WLC G5 near cl-extends for 1/2 girder length.
Stains (Percent Area)	10			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>4</b>	<b>4</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		8	8	
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls		8	8	
Wingwalls		8	8	
Piles		N	N	
Paint/Coating		8	7	
Abutment Stability		7	7	
Scour/Erosion		4	4	Eroded bank at NW
<b>Piers/Bents</b>				
(Type : )				
Bearing Seats/Caps		X	X	
(Type : )				
(Total Number of Bearing Piles : )				
Pier Shaft/Piles		X	X	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description : )				
(Colour Code : )				
Pier Stability		X	X	
Scour		X	X	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
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>S</b> )				
(D/S Direction : <b>N</b> )				
Alignment		8	8	
Bank Stability		8	8	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Yes			
Slope Protection		7	4	Eroded bank at NW corner.
(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>8</b>	<b>4</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	2011	Upgrade approach guardrail to meet standard.					
OTHER ACTION	2011	Relocate hazard markers to meet standard.					
OTHER ACTION	2011	Extend NW and SE deck drain PVC to below girder.					
OTHER ACTION	2011	Patch spalled/cracked bearing grout pads.					
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>61.1/61.1</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>58.7/52.6</b>	Est. Repl. Yr	2034	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor deck underside.		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	Dave Lam		Previous Assistant's Name				
Next Inspection Date	07-Apr-2014		Previous Inspection Date	15-Aug-2007			
Inspection Cycle (Default) (months)	39						
Comment							