

Bridge Inspection										
Bridge File Number	81239 -1 Bridge				Form Type	SG				
Year Built/Year Supstr	1989/1989				Lot No.	2				
Bridge or Town Name	WEBERVILLE				Inspector Name	Brian Pientsch				
Located Over	PEACE RIVER, 8.10, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	986:01 C1 30.235				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	12-Mar-2013				
Legal Land Location	NE SEC 11 TWP 85 RGE 21 W5M				Data Entry By	Theresa Lacusta				
Longitude, Latitude	-117:11:25, 56:21:39				Data Entry Date	09-Apr-2013				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux				
Contract Main. Area	CMA04				Review Date	03-Apr-2013				
Clear Roadway/Skew	11 / -25 deg. (LHF)				Dept. Reviewer Name					
AADT/Year	1,030 / 2012 (A)				Dept. Review Date					
Road Classification	RCU-210-110				Follow-Up By					
Detour Length (km)	40									
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member			
Design Loading:	CS1000						----> 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									
Other Sign Types	Pulp Mill Information signs								

Utilities (Located at)										
Utility Attachments	POWER UTILITIES-POWER LINE									
Telephone					Gas					
Power	4 wire o/h South r/w				Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		7	7	Highway winds down into valley.					
Vertical Alignment		7	7						
Roadway Width (m)	11.000				Approach settling next to East & West abut. 150mm est. Pothole 400mm @ West abut.				
Approach Bump			4	3					
Guardrail (Y/N)	Yes				Insufficient posts at corners.				
Guardrail			4	N	Missing 8 bolts NW corner.-12-May-2011				
Length (m)	99.000				Snow covered				
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN ENDS								
Drainage			3	3	Hole @ NW approach shoulder 20m West of West end of bridge.- photo Void under SE approach slab-approx 6.1m long.  Snow covered				
<b>Approach Road General Rating</b>		<b>7</b>	<b>7</b>						

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>WG, 7 Spans, Lengths(m): 82-112-112-112-112-92, A-Ident Number: A1130-01</b> )					
<b>Special Features</b>					
Special Feature			5	Catwalk S. handrail cable turnbuckle disconnected @ P4.	
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>					
<b>Now</b>	5.0				
Wearing Surface			4	4	Two pot holes EBL at Span 5. 350mm dia pot hole @ E joint.-photo 0.6m dia. and .6m x 1.5m tear patched with coldmix.-photo
(Material Type : <b>ACP - CONVENTIONAL CHIP SEAL COAT</b> )					
(Thickness(mm) : <b>50</b> )					
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			8	4	Abut deck joint troughs on backwalls starting to rust through. Concrete paving lips deteriorating - patched with ACP.
Temperature (deg. C)		-8			
(Expansion Type : <b>FINGER PLATES</b> )					
(Fixed Type : )					
Gap Size (mm)		Gap Location			
245		W. abut			
215		E. abut			
Deck Drainage			8	8	
Drains Clogged (Y/N)		No			
Curbs/Median			6	N	Narrow flexural cracks at 600mm O.C., 2.5 intermittent longitudinal hairline crack on curb face north curb.-12-May-2011 Tops of curbs snow covered.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			8	7	
(Type : <b>GALVANIZED STEEL TUBE BEAM TYPE 1</b> )					
Bridge Rail Posts			8	7	
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			8	7	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
<b>Girder/Beam</b>					
Cover Plate			X	X	
Flange			8	8	
Web			8	8	
Stiffeners			8	8	
Splice			8	8	
Weld			8	8	
Diaphragms/Cross Frame			8	8	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : <b>WG, 7 Spans, Lengths(m): 82-112-112-112-112-112-92, A-Ident Number: A1130-01</b> )				
Paint Condition		5	5	Surface scaling occurring on steel girders & diaphragms directly below lateral deck cracks and girder ends.  weathering steel
(Colour Description : )				
(Colour Code : )				
Touchup Required (Y/N)	No			
Bearings		8	8	
Temperature (deg. C)	-8			
(Expansion Type : <b>POT BEARING</b> )				
(Fixed Type : <b>PINNED BEARING</b> )				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		5	5	Wide lateral deck cracks @ 25degree skew with rust stains causing weathering steel to scale at approx 4m spacing from A2-P5. Lateral spalling cracks throughout deck underside.-photo
Stains (Percent Area)	1			
<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>				
Bearing Seats/Caps		8	8	
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls		8	8	
Wingwalls		7	4	Narrow shrinkage cracks throughout. Concrete delaminations @ SE corner.
Piles		N	N	
Paint/Coating		7	5	
Abutment Stability		8	8	
Scour/Erosion		5	5	
<b>Piers/Bents</b>				
(Type : <b>PIER-COLUMN</b> )				
Bearing Seats/Caps		8	8	
(Type : <b>CONCRETE</b> )				
(Total Number of Bearing Piles : <b>0:0:0:0:0:0</b> )				
Pier Shaft/Piles		8	8	
Bracing/Struts/Sheathing		X	X	
Nose Plate		8	8	
Paint/Coating		8	8	Pigmented sealer
(Colour Description : )				
(Colour Code : )				
Pier Stability		8	8	
Scour		8	8	
Debris (Y/N)	Yes			Drift accumulation at pier 5.-photo

Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Substructure General Rating</b>		<b>8</b>	<b>8</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 accumulation pier 5.
Drift (Y/N)	Yes			
Slope Protection		5	5	Minor gullies on E. headslope.
(Type : <b>NATURAL</b> )				
Guidebank/Spurs		8	8	
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>8</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK	2013	Pot holes					
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS	2013	Patch concrete paving lips					
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2013	Fill pot holes in ACP.					
OTHER ACTION	2013	Fix erosion in NW corner and under SE approach slab.					
OTHER ACTION	2013	Missing 8 bolts, NW corner. - Snow covered.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>72.2/72.2</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>69.9/69.8</b>	Est. Repl. Yr	2057	Maint. Reqd. (Y/N)	Yes
Special Comments for Next Inspection	Monitor deck cracks and rust on girders below cracks. Monitor approach slab settlement.		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	Brian Pientsch		Previous Assistant's Name	Russel Vanderschaaf			

Next Inspection Date	12-Jun-2016	Previous Inspection Date	12-May-2011
Inspection Cycle (Default) (months)	39		
Comment			