

Bridge Inspection							
Bridge File Number	70594 -1 Bridge			Form Type	SG		
Year Built/Year Supstr	1954/1954			Lot No.	2		
Bridge or Town Name	MANNING			Inspector Name	Brian Pientsch		
Located Over	NOTIKEWIN RIVER, 8.10.41, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	35:08 C1 0.044			Assistant Name	Russel Vanderschaaf		
Water Body Cl./Year				Assistant Class	BR CLS B		
Navigabil. Cl./Year				Inspection Date	08-Dec-2011		
Legal Land Location	NE SEC 28 TWP 91 RGE 23 W5M			Data Entry By	Theresa Lacusta		
Longitude, Latitude	-117:37:44, 56:55:25			Data Entry Date	14-Dec-2011		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Eric Carcoux		
Contract Main. Area	CMA04			Review Date	13-Dec-2011		
Clear Roadway/Skew	11 /			Dept. Reviewer Name	Steve Pasquan		
AADT/Year	4,290 / 2010 (A)			Dept. Review Date	10-Jan-2012		
Road Classification	RAU-211.8-110			Follow-Up By			
Detour Length (km)	200						
Allowable Load (t):	Single	CS1 34 ABUTMENT	Semi	CS2 60 ABUTMENT	Train	CS3 86 ABUTMENT	----> 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 req'd						
Hazard Marker At Bridge (Y/N)	No						
Remarks							
Other Sign Types	Police, Campground, Crosswalk						

Utilities (Located at)			
Utility Attachments			
Telephone	West ROW		Gas
Power	Buried		Municipal
Others	Overhead street lights N & S abut.		Problem (Y/N) No
Remarks	Cross walk 30m North of bridge.		

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		6	6	Curves on both ends and in town. Hill on north approach, limited sight distance.
Vertical Alignment		6	6	
Roadway Width (m)	12.200			
Approach Bump		6	6	
Guardrail (Y/N)	No			
Guardrail		X	X	
Length (m)				
Current Standard (Y/N)	No			
Termination Type				
Drainage		7	7	
<b>Approach Road General Rating</b>		<b>6</b>	<b>6</b>	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>RB, 3 Spans, Lengths(m): 26.8-33.5-26.8, A-Ident Number: A0199-01</b> )					
<b>Special Features</b>					
Special Feature			X		
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Partly gravel/snow covered.
<b>Last</b>	5	0	0	0	
<b>Now</b>	10.0	0.0	0.0	10.0	
Wearing Surface			4	3	Chip seal coat 70% peeled off. Polymer overlay 20% peeled off. Starting to cause water to seep inot concrete deck.-photo
(Material Type : <b>CONCRETE - CONVENTIONAL CHIP SEAL COAT</b> )					
(Thickness(mm) : <b>50</b> )					
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			4	3	Abut 2 seal N. bound lane torn.-photo
Temperature (deg. C)		-12			
(Expansion Type : <b>GLAND (WABO-MAUER, TRANSFLEX, ETC)</b> )					
(Fixed Type : )					
Gap Size (mm)		Gap Location			
55		Abut 1 (South)			
30		Abut 2 (North)			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			N	4	Concrete deteriorating (1mx0.5m) at outside curbs @ abutment, N. end.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		4			
Bridge Rail			6	6	Insuffient threadsat base of rail. 1 loose bolt W side near center of bridge.-photo
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts			N	3	
(Type : <b>CONCRETE;CONCRETE</b> )					
Bridge Rail/Posts Coating			7	7	
(Type : <b>GALVANIZED</b> )					
Sidewalk			N	4	Snow covered.
<b>Girder/Beam</b>					
Cover Plate			N	N	(S1G3 coverplate has 40mm crack at S. end.-2003/09/29) Could not confirm.Over P1
Flange			5	5	
Web			7	7	
Stiffeners			7	7	
Splice			7	7	
Weld			N	N	
Diaphragms/Cross Frame			7	7	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : <b>RB, 3 Spans, Lengths(m): 26.8-33.5-26.8, A-Ident Number: A0199-01</b> )				
Paint Condition		4	4	3 colors of paint used on girders. Bottom flange rust @ drain locations.
(Colour Description : <b>GREEN</b> )				
(Colour Code : <b>14193</b> )				
Touchup Required (Y/N)	No			
Bearings		5	4	Anchor nuts barely on at P2 G7
Temperature (deg. C)	-12			
(Expansion Type : <b>ROCKER BEARING</b> )				
(Fixed Type : <b>PINNED BEARING</b> )				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		4	4	Significant leaching span 1 and 3. Spalling starting to occur at S3G5 and G6 top flange.-photo
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		7	7	
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls		5	4	Spalling abut. 1 @ base of East corner.
Wingwalls		7	7	
Piles		N	N	
Paint/Coating		X	X	
Abutment Stability		7	7	
Scour/Erosion		7	7	
<b>Piers/Bents</b>				
(Type : <b>PIER-SOLID</b> )				
Bearing Seats/Caps		7	7	
(Type : <b>CONCRETE</b> )				
(Total Number of Bearing Piles : <b>1:1</b> )				
Pier Shaft/Piles		6	6	
Bracing/Struts/Sheathing		X	X	
Nose Plate		7	7	
Paint/Coating		4	4	Nose plates rusting at lower 1m.
(Colour Description : )				
(Colour Code : )				
Pier Stability		7	7	
Scour		7	7	
Debris (Y/N)	Yes			Old piling in streambed under centre span.
<b>Substructure General Rating</b>		<b>6</b>	<b>6</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				
(D/S Direction : <b>E</b> )				
Alignment		6	6	
Bank Stability		4	4	Slope slide and cut bank at u/s & d/s.
HWM (m below Top of Curb)				Hwm not visible.
Drift (Y/N)	Yes			Old piles in streambed.
Slope Protection		7	7	
(Type : <b>RIP RAP</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>4</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							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK	2012						
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS	2012	Abut 2					
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2012	Confirm if cracked weld repaired.					
OTHER ACTION	2012	Repair loose bolt.					
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>60.3/59.2</b>	Est. Repl. Yr	2032	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	Brian Pientsch		Previous Assistant's Name				
Next Inspection Date	08-Sep-2013		Previous Inspection Date	17-Feb-2010			
Inspection Cycle (Default) (months)	21						
Comment							