

Bridge Inspection							
Bridge File Number	08898 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1967/1967			Lot No.	1		
Bridge or Town Name	VEGREVILLE			Inspector Name	Owen Salava		
Located Over	TRIBUTARY TO VERMILION RIVER, 6.5.40, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	857:02 C1 24.644			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	14-Jul-2011		
Legal Land Location	NW SEC 8 TWP 51 RGE 14 W4M			Data Entry By	Marcia Chavez		
Longitude, Latitude	-112:02:30, 53:23:35			Data Entry Date	25-Aug-2011		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	John O'Brien		
Contract Main. Area	CMA14			Review Date	19-Jul-2011		
Clear Roadway/Skew	9.1 /			Dept. Reviewer Name	Chris Black		
AADT/Year	800 / 2010 (A)			Dept. Review Date	30-Aug-2011		
Road Classification	RCU-209-110			Follow-Up By			
Detour Length (km)	3						
Allowable Load (t):	Single	CS1 28 GIRDER	Semi	CS2 49 GIRDER	Train	CS3 65 GIRDER	---> 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	Mounted on first rail post off bridge.
Other Sign Types	

Utilities (Located at)			
Utility Attachments			
Telephone		Gas	
Power	4 wire OH 15m E of CL.		Municipal
Others		Problem (Y/N)	No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		9	9	
Vertical Alignment		8	8	
Roadway Width (m)	9.100			
Approach Bump		8	8	
Guardrail (Y/N)	Yes			
Guardrail		4	4	Damage @ NW corner (photo) Not long enough. Bolts missing in end caps.
Length (m)	12.000			
Current Standard (Y/N)	No			
Termination Type	TURNED DOWN			
Drainage		7	7	
<b>Approach Road General Rating</b>		<b>8</b>	<b>8</b>	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>HC, 1 Spans, Lengths(m): 6.1, A-Ident Number: )</b>					
<b>Special Features</b>					
Special Feature			X		
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>	100	0	0	0	
<b>Now</b>	0.0	0.0	0.0	0.0	
Wearing Surface			7	5	Small pothole, E shoulder.
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			N	N	Covered with ACP.
Bump (Y/N)		No			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			7	7	
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			4	5	Single layer flexbeam - do not meet standard.
(Type : <b>FLEX BEAM</b> )					
Bridge Rail Posts			7	7	
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			7	7	
(Type : )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	1.5m water under bridge.
<b>Last</b>	11	0	0	0	
<b>Now</b>	11	0	0	0	
Girders			N	N	(First unit W of CL has punchout at S end(400mm x 400mm). Very fine hairline cracks vertically in some units. Unknown Date).
Last Complete Inspection Date					
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : <b>11</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>3</b>	<b>3</b>	G.R. carried forward from unknown date.

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : Y)				1.5m water under bridge.		
(Extended Backwall Piles Spacing(mm) : 1300)						
(Total Number of Caps/Corbels : 5:5)				Viewed from ends, looks OK.		
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>	10	0	0	0		
Bearing Seats/Caps/Corbels				N	N	
(Type : TREATED TIMBER)						
(Depth(mm) : 300)						
(Width(mm) : 300)						
Backwalls/Breastwalls				N	N	
Greatest Height (m)		3.00				
Wingwalls				4	4	1 plank with broken end at NE.
(Total Number of Bearing Piles : 8:8)				(A1P4 40mm wide split. A1P6 & A2P2 wide split (photo). A2P1 wide split with top crushing from strut pressure. Unknown Date).		
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>	16	0	0	0		
Piles				N	N	
Paint/Coating				X	X	
Abutment Stability				7	7	
Scour/Erosion				N	N	
<b>Piers/Bents</b>						
(Type : )				(Max deck to S/B 3.4m. 007/06/07).		
(Total Number of Caps/Corbels : )						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Bearing Seats/Caps/Corbels				X	X	
(Type : )						
(Depth(mm) : )						
(Width(mm) : )						
(Total Number of Bearing Piles : )						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Pier Shaft/Piles				X	X	
Greatest Height (m)						
Bracing/Struts/Sheathing				7	4	Missing 1 strut at W side.
Nose Plate				X	X	
Paint/Coating				X	X	
(Colour Description : )						
(Colour Code : )						
Pier Stability				X	X	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		X	X	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>3</b>	<b>3</b>	G.R. carried forward.
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>E</b> )				Curves to the west.
(D/S Direction : <b>W</b> )				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)	2.2			
Drift (Y/N)	No			
Slope Protection		5	5	
(Type : <b>NATURAL; NATURAL</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>7</b>	<b>7</b>	

Maintenance Recommendations									
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #			
REPAIR/REPLACE BRIDGE RAIL									
SEAL CURBS									
PATCH DECK	2012	Patch punchout if not done. Patch ACP potholes.							
OVERLAY DECK									
STRAIGHTEN/REPLACE MEMBERS									
WASHING									
SHOTCRETE REPAIRS									
CORE TIMBER CAPS/CORBELS	2012	Core suspect piles to determine repair, if not yet done.							
REPAIR/REPLACE TIMBER CAPS									
REPAIR ABUTMENT SCOUR/EROSION									
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL STRUTS	2012	Replace 1 strut.							
OTHER ACTION	2012	Replace NW TD section & 1 post.							
OTHER ACTION	2012	Stub pile repair to A2P1 & A1P4, if not yet done.							
OTHER ACTION	2012	Treat/band split piles (4), if not yet done.							
OTHER ACTION									
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>33.3/33.3</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>58.6/59.4</b>	<b>Est. Repl. Yr</b>	<b>2029</b>	<b>Maint. Req'd. (Y/N)</b>	<b>Yes</b>		
Special Comments for Next Inspection			Department Comments						
Maintenance Reviewed By			Date						
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Glen Smith		Previous Assistant's Name						
Next Inspection Date	14-Oct-2014		Previous Inspection Date	07-Jun-2007					
Inspection Cycle (Default) (months)	39								
Comment									

**Maintenance Recommendations**

Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL						
SEAL CURBS						
PATCH DECK	2012	Patch punchout if not done. Patch ACP potholes.	Programmed	2013		
OVERLAY DECK						
STRAIGHTEN/REPLACE MEMBERS						
WASHING						
SHOTCRETE REPAIRS						
CORE TIMBER CAPS/CORBELS	2012	Core suspect piles to determine repair, if not yet done.	Programmed	2012		
REPAIR/REPLACE TIMBER CAPS						
REPAIR ABUTMENT SCOUR/EROSION						
PLACE ADDITIONAL RIP RAP						
REMOVE DRIFT ACCUMULATION						
INSTALL STRUTS	2012	Replace 1 strut.	Programmed	2013		
OTHER ACTION	2012	Replace NW TD section & 1 post.	Programmed	2013		
OTHER ACTION	2012	Stub pile repair to A2P1 & A1P4, if not yet done.	Programmed	2013		
OTHER ACTION	2012	Treat/band split piles (4), if not yet done.	Programmed	2013		
OTHER ACTION						
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>33.3/33.3</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>58.6/59.4</b>	Est. Repl. Yr	2029	Maint. Req. (Y/N) Yes
Special Comments for Next Inspection			Department Comments	Tentatively programmed to be replaced in 2022. AS		
Maintenance Reviewed By	Andrew Smikles		Date	15-Aug-2012	Estimated Total	0
Proposed Long-Term Strategy						
On 3-Year Program (Y/N)						
Proposed Action						
Previous Inspector's Name	Glen Smith		Previous Assistant's Name			
Next Inspection Date	14-Oct-2014		Previous Inspection Date	07-Jun-2007		

Inspection Cycle (Default) (months)	39
Comment	