

Bridge Inspection											
Bridge File Number	72517 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1979/1979				Lot No.	4					
Bridge or Town Name	VOLMER				Inspector Name	Melanie Johnson					
Located Over	TRIBUTARY TO STURGEON RIVER, 6.65.13, WATERCRS-ST				Inspector Class	BR CLS B					
Located On	37:02 C1 31.078				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	08-Nov-2011					
Legal Land Location	SW SEC 4 TWP 55 RGE 26 W4M				Data Entry By	Theresa Lacusta					
Longitude, Latitude	-113:48:26, 53:42:59				Data Entry Date	19-Nov-2011					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux					
Contract Main. Area	CMA09				Review Date	13-Nov-2011					
Clear Roadway/Skew	12.4 /				Dept. Reviewer Name	Brent Herrick					
AADT/Year	5,060 / 2010 (A)				Dept. Review Date	15-Dec-2011					
Road Classification	RAU-211.8-110				Follow-Up By						
Detour Length (km)	6										
Allowable Load (t):	Single	CS1 28			Semi	CS2 49			Train	CS3 62	----> On Critical Spans ---->Critical Member
Design Loading:	MS23									----> 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)	No								
Remarks	Not required.								
Other Sign Types									

Utilities (Located at)										
Utility Attachments										
Telephone	South row				Gas					
Power	1 wire North r/w. 1 wire OH 250m West.				Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Farm entrance to west. Hwy 44/37 intersection to the West. Approaches have settled.				
Vertical Alignment			8	8					
Roadway Width (m)	12.000								
Approach Bump			7	7					
Guardrail (Y/N)	Yes								
Guardrail			6	6					
Length (m)	61.000								
Current Standard (Y/N)	No								
Termination Type	Turned Down								
Drainage			4	4	Approach drainage contributing to fill sloughing behind NE wingwall.				
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SM, 1 Spans, Lengths(m): 11, 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					
Wearing Surface			6	6	
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	Paved over.
Deck Rideability			6	6	Bumps at ends. Asphalt patches.
Deck Joints			N	N	Paved over.
Bump (Y/N)		Yes			
Deck Drainage			6	6	No deck drains.
Drains Clogged (Y/N)		No			
Curbs/Median			6	6	Minor chips on exterior edge.
(Curb Type : Standard)					
Scaling (Percent Area)		1			
Bridge Rail			7	7	With w-beam double layer.
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			7	7	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders			5	5	Outside of south curb has small construction chips. Stains on underside at connector pocket locations. Hairline longitudinal crack full length of curb units. Staining heavy between curb & first interior girder.
Last Complete Inspection Date		07-Nov-2011			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		1			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 11)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			5	5	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 1250)						
(Total Number of Caps/Corbels : 2:2)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)	100mm timber shim on top of steel cap. Bearing 60% on piles 7 & 8. Subcap & S. end of main cap are rotated approx. 5 deg. from vertical at A2.	
Last						
Now						
Bearing Seats/Caps/Corbels			5	5		
(Type : STEEL)						
(Depth(mm) : 350)						
(Width(mm) : 375)						
Backwalls/Breastwalls						
			6	6		
Greatest Height (m)	3.20					
Wingwalls						
			5	5	NE wingwall leaning, fill sloughing.	
(Total Number of Bearing Piles : 12:12)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)	Piles have backwall clamps installed. 250mm of cap bearing on piles 4 & 5 abutment 1. Pile 7 on West abutment and pile 1 on East abutment have vertical check.	
Last						
Now						
Piles			5	5		
Paint/Coating						
			X	X		
Abutment Stability						
			5	5		
Scour/Erosion						
			5	5		
Piers/Bents						
(Type :)						
(Total Number of Caps/Corbels :)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
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)		
Last						
Now						
Pier Shaft/Piles			X	X		
Greatest Height (m)						
Bracing/Struts/Sheathing						
			X	X		
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			
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				
(D/S Direction : S)				
Alignment		8	8	
Bank Stability		8	8	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		8	8	
(Type : RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		8	8	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	55.6/55.6	Sufficiency Rating (Last/Now) (%)	59.6/59.6	Est. Repl. Yr	2030	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	Shane Hall		Previous Assistant's Name				
Next Inspection Date	08-Aug-2013		Previous Inspection Date	23-Mar-2010			
Inspection Cycle (Default) (months)	21						
Comment							