

Bridge Inspection									
Bridge File Number	00691 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1983/1983				Lot No.	3			
Bridge or Town Name	VEGREVILLE				Inspector Name	Jason Saly			
Located Over	VERMILION RIVER, 6.5, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	626:02 C1 43.079				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	26-Jun-2012			
Legal Land Location	SW SEC 6 TWP 51 RGE 14 W4M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-112:03:28, 53:22:01				Data Entry Date	13-Jul-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	CMA14				Review Date	05-Jul-2012			
Clear Roadway/Skew	8.8 /				Dept. Reviewer Name	Andrew Smikles			
AADT/Year	320 / 2011 (A)				Dept. Review Date	19-Jul-2012			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	5								
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	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									
Other Sign Types									

Utilities (Located at)									
Utility Attachments									
Telephone	South r/w.				Gas				
Power	1 wire 20m North.				Municipal				
Others					Problem (Y/N)		No		
Remarks									

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		8	8	No passing both directions.					
Vertical Alignment		8	8						
Roadway Width (m)	9.200			(Approach settled at both ends - photo. 11Aug2009) - no evidence observed at this time.					
Approach Bump		5	6						
Guardrail (Y/N)		Yes							
Guardrail		8	7						
Length (m)	27.000								
Current Standard (Y/N)		No		Not thrie beam transition.					
Termination Type		Turned Down							
Drainage		8	8						
Approach Road General Rating		8	8						

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SM, 3 Spans, Lengths(m): 10-10-10, 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	0.0	0.0	0.0	0.0	
Wearing Surface			7	5	Longit. & random cracks are reflecting through the asphalt.
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			6	6	
Deck Joints			N	N	Paved over. Slight bump over abut/pier joint.
Bump (Y/N)		Yes			
Deck Drainage			7	5	Rust stains on pier caps from joint leakage.
Drains Clogged (Y/N)		No			
Curbs/Median			7	6	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			7	7	Double layer.
(Type : GALVANIZED STEEL FLEX BEAM)					
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	0	0	0	0	
Girders			6	5	Narrow longit. cracks in the underside of the curb girder.
Last Complete Inspection Date		27-Jun-2012			
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 24)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			6	5	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : N)						
(Extended Backwall Piles Spacing(mm) :)						
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				8	7	
(Type : CONCRETE)						
(Depth(mm) :)						
(Width(mm) :)						
Backwalls/Breastwalls				X	N	
Greatest Height (m)		1.80				
Wingwalls				7	7	
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	100					
Now	100	0	0	0		
Piles				N	N	
Paint/Coating				X	X	
Abutment Stability				8	8	
Scour/Erosion				4	4	
Minor settlement under SE abut.						
Piers/Bents						
(Type : PIER-COLUMN)						
(Max deck to S/B 3.9m to water. 11Aug2010).						
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				8	7	
(Type : CONCRETE)						
(Depth(mm) :)						
(Width(mm) :)						
(Total Number of Bearing Piles : 6:6)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Pier Shaft/Piles				5	5	
Greatest Height (m)		5.50				
Bracing/Struts/Sheathing				8	8	
Nose Plate				X	X	
Paint/Coating				4	4	
(Colour Description : BLUE)						
(Colour Code : 15182)						
(30/May/2006)						
Pier Stability				6	6	
P1 W, all columns not plumb, leaning N, probably during construction.						
Neoprene strip at P1 is displaced to the W ~20mm.						
Paint rusted at bottom of steel piles. Lower 1m, waterline, has failed P1. Pier caps rust stained.						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		8	7	
Debris (Y/N)	No			
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		8	8	
Bank Stability		8	8	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Yes			
Slope Protection		7	6	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		8	6	

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	2012	Seal ACP cracks.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	61.1/55.6	Sufficiency Rating (Last/Now) (%)	70.7/65.3	Est. Repl. Yr	2048	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Establish reference point at P1 to monitor pier columns leaning & monitor for movement.		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	26-Sep-2015		Previous Inspection Date	11-Aug-2009			
Inspection Cycle (Default) (months)	39						
Comment							