

Bridge Inspection										
Bridge File Number	06731 -1 Bridge				Form Type	PCS				
Year Built/Year Supstr	1985/1985				Lot No.	2				
Bridge or Town Name	VEGREVILLE				Inspector Name	Owen Salava				
Located Over	VERMILION RIVER, 6.5, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	631:02 C1 11.405				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	15-Jul-2011				
Legal Land Location	SE SEC 5 TWP 53 RGE 14 W4M				Data Entry By	Marcia Chavez				
Longitude, Latitude	-112:01:33, 53:32:29				Data Entry Date	09-Aug-2011				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien				
Contract Main. Area	CMA14				Review Date	19-Jul-2011				
Clear Roadway/Skew	8.8 /				Dept. Reviewer Name	Andrew Smikles				
AADT/Year	830 / 2010 (A)				Dept. Review Date	29-Aug-2011				
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	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	All HM leaning. SW missing.								
Other Sign Types									

Utilities (Located at)										
Utility Attachments										
Telephone	North of C/L 15m				Gas					
Power	1 wire 20m S of C/L.				Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		7	7	Field entrance @ SE corner.					
Vertical Alignment		9	9						
Roadway Width (m)	8.800								
Approach Bump		4	6						
Guardrail (Y/N)	Yes								
Guardrail		5	5	Not thriebeam.					
Length (m)	11.400								
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN								
Drainage		7	7						
Approach Road General Rating		6	7						

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SM, 3 Spans, Lengths(m): 11-11-11, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	0	0	0	0	
Now	0.0	0.0	0.0	0.0	
Wearing Surface		X	7		
(Material Type : ACP)					
(Thickness(mm) : 80)					
Lateral Connection Problem (Y/N)		No			
Deck Top		4	N	(S3G5, S2G8 has edge spall. 01Jun2007). Paved over.	
Deck Rideability		8	8		
Deck Joints		4	N	(Buffer angles. S1G5 buffer angle torn upward - photo. 01 Jun2007). Paved over.	
Bump (Y/N)		No			
Deck Drainage		7	7	No deck drains. Staining deck U/S & rusting connector pockets (photo).	
Drains Clogged (Y/N)		No			
Curbs/Median		7	7	Typical vert cracking @ 1.0m spacing. Minor spall in S3 face.	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail		4	6		
(Type : FLEX BEAM)					
Bridge Rail Posts		7	7		
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating		6	6		
(Type :)					
Sidewalk		X	X		
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Girders		5	5	S2G5 U/S - spalled @ drift pin over P2. S1G8, S2G1, S2G2 narrow diagonal cracking over P2. S3G1, S3G2 narrow diagonal cracking over P1.	
Last Complete Inspection Date		15-Jul-2011			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		No		Some lift connector pockets not grouted.	
(Number Of Girders : 24)					
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) : 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	0	0	0	0	
Now	0	0	0	0	
Bearing Seats/Caps/Corbels			8	8	
(Type : CONCRETE)					
(Depth(mm) :)					
(Width(mm) :)					
Backwalls/Breastwalls			X	N	
Greatest Height (m)		0.90			
Wingwalls			8	8	
(Total Number of Bearing Piles : 0:0)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last				N count not known.	
Now	1	0	0	0	
Piles			N	N	
Paint/Coating			X	6	
Peeling. Active leaking at abuts/piers staining caps.					
Abutment Stability			8	8	
Scour/Erosion			8	8	
Piers/Bents					
(Type : PIER-COLUMN)					
(Total Number of Caps/Corbels : 1:1)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Bearing Seats/Caps/Corbels			6	6	
(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	0	0	0	0	
Now	0	0	0	0	
Pier Shaft/Piles			8	8	
Greatest Height (m)		3.90			
Bracing/Struts/Sheathing			8	8	
Nose Plate			X	X	
Paint/Coating			4	4	
Rusting at bottom of piles, caps peeling. Blue.					
(Colour Description :)					
(Colour Code :)					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		8	8	
Scour		6	6	
Debris (Y/N)	Yes			Old piles & backwall planks under S3 & S1.
Substructure General Rating		6	6	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		7	7	
Bank Stability		6	6	
HWM (m below Top of Curb)	3.1			
Drift (Y/N)	Yes			
Slope Protection		6	6	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	9	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		6	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	Straighten & install HM to meet std.					
OTHER ACTION	2012	Grout 2 lift pockets .01m3 NH.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	61.1/61.1	Sufficiency Rating (Last/Now) (%)	66.1/66.4	Est. Repl. Yr	2044	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	Glen Smith		Previous Assistant's Name				
Next Inspection Date	15-Oct-2014		Previous Inspection Date	11-Jun-2007			
Inspection Cycle (Default) (months)	39						
Comment							