

Bridge Inspection										
Bridge File Number	00436 -1 Bridge				Form Type	PSR				
Year Built/Year Supstr	2000/2000				Lot No.	2				
Bridge or Town Name	VILLENEUVE				Inspector Name	Kris Bosters				
Located Over	STURGEON RIVER, 6.65, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	44:00 C1 16.261				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	06-Jul-2011				
Legal Land Location	NE SEC 31 TWP 54 RGE 26 W4M				Data Entry By	Theresa Lacusta				
Longitude, Latitude	-113:49:07, 53:42:41				Data Entry Date	13-Jul-2011				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer				
Contract Main. Area	CMA11				Review Date	11-Jul-2011				
Clear Roadway/Skew	11 /				Dept. Reviewer Name	Brent Herrick				
AADT/Year	5,450 / 2010 (A)				Dept. Review Date	18-Jul-2011				
Road Classification	RAU-211.8-110				Follow-Up By					
Detour Length (km)	10									
Allowable Load (t):	Single	CS1 28		Semi	CS2 49		Train	CS3 62		---> On Critical Spans --->Critical Member
Design Loading:	CS750								---> 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)	No								
Remarks	Not required.								
Other Sign Types	Curve Ahead. HWY 39								

Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone	W r/w				Gas				
Power	1 wire W r/w				Municipal				
Others					Problem (Y/N)				
Remarks									

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		7	7	Driveway NW, curve to South. Crest curve, good sight distance. Hwy 35 intersection 300m N.					
Vertical Alignment		7	7						
Roadway Width (m)		11.800		Wide cracks in ACP at end of approach slab and abutments.-photo					
Approach Bump		5	4	ACP patch and settlement of approach has created a 3m long wheel trap along SE approach.-photo					
Guardrail (Y/N)		Yes		1 post broken and 1 rail section damage SW corner. photo					
Guardrail		3	3	1 post and 2 rails damaged SE.-photo					
Length (m)		49.000		1 damaged rail NW.					
Current Standard (Y/N)		Yes							
Termination Type		Turn Down							
Drainage		7	7						
Approach Road General Rating		7	7						

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : DBC, 1 Spans, Lengths(m): 40, A-Ident Number: A0382-01)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	1.0 x 0.5m sections of chipseal missing, about 5% of deck.
Last	0	0	0	0	
Now					
Wearing Surface			5	5	
(Material Type : CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) :)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			X	X	
Temperature (deg. C)		22			
(Expansion Type :)					
(Fixed Type : BUFFER ANGLES)					
Gap Size (mm)		Gap Location			
Deck Drainage			7	4	0.5m wide birdbaths along E curb.-photo
Drains Clogged (Y/N)		No			
Curbs/Median			6	6	Narrow vertical cracks on fascia 500mm o/c.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			8	8	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			8	8	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			8	8	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders			8	8	
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
(Number Of Girders : 9)					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : DBC, 1 Spans, Lengths(m): 40, A-Ident Number: A0382-01)				
Diaphragms/Cross Frame		8	8	Concrete diaphragms.
Bearings		N	N	Integral abutments.
Temperature (deg. C)	20			(28/Feb/2006) Unknown.
(Expansion Type :)				
(Fixed Type :)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		8	8	
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		8	8	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		N	N	
(Type : CONCRETE)				
Backwalls/Breastwalls		8	5	S backwall under G2 & 3 has 1.0m long. Wide vertical cracks with salt stains.-photo
Wingwalls		7	7	Narrow random map cracking all 4 wingwalls.
Piles		N	N	
Paint/Coating		6	6	Paint is cracked on all 4 wingwalls.
Abutment Stability		8	8	
Scour/Erosion		8	8	
Piers/Bents				
(Type :)				
Bearing Seats/Caps		X	X	
(Type :)				
(Total Number of Bearing Piles :)				
Pier Shaft/Piles		X	X	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		8	8	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				Curves to the East & West.
(D/S Direction : E)				
Alignment		7	7	
Bank Stability		8	8	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		8	8	
(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		7	7	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2011	Repair approach rail at SE and NW corners.					
OTHER ACTION	2011	Extend ACP at SW to eliminate wheel trap					
OTHER ACTION	2011	Seal cracks in ACP at abutments.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	88.9/88.9	Sufficiency Rating (Last/Now) (%)	72.5/72.5	Est. Repl. Yr	2064	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	Stew Hagan		Previous Assistant's Name	Kris Bosters			
Next Inspection Date	06-Apr-2013		Previous Inspection Date	30-Sep-2009			
Inspection Cycle (Default) (months)	21						
Comment							