

Bridge Inspection									
Bridge File Number	72810 E-1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1980/1980				Lot No.	2			
Bridge or Town Name	GUNN				Inspector Name	Kris Bosters			
Located Over	STURGEON RIVER, 6.65, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	43:22 R1 3.915				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	03-Oct-2011			
Legal Land Location	SE SEC 6 TWP 55 RGE 2 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-114:16:58, 53:43:03				Data Entry Date	25-Oct-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA12				Review Date	22-Oct-2011			
Clear Roadway/Skew	12.5 / -30 deg. (LHF)				Dept. Reviewer Name	Brent Herrick			
AADT/Year	9,750 / 2010 (A)				Dept. Review Date	26-Oct-2011			
Road Classification	RAD-412.4-120				Follow-Up By				
Detour Length (km)	1								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	MS230						----> 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)		In Advance (Y/N)		At Bridge (Y/N)		
Remarks									
Hazard Marker At Bridge (Y/N)	Yes								
Remarks	NW & SW only.								
Other Sign Types	Information.								

Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone	South and North r/w.				Gas				
Power	3 wires North side of WB structure.				Municipal				
Others	Railroad on south r/w.				Problem (Y/N)		No		
Remarks									

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		8	7	Ucrve E of bridge.					
Vertical Alignment		8	8						
Roadway Width (m)	12.400			ACP along approach slabs in cracked and ravelling.-photo					
Approach Bump		5	4						
Guardrail (Y/N)		Yes		NW & SW only.					
Guardrail		6	6	Measured SW. Insufficient posts.					
Length (m)		72.000							
Current Standard (Y/N)		No							
Termination Type		Turned Down							
Drainage		7	7						
Approach Road General Rating		8	7						

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : RM, 1 Spans, Lengths(m): 28, A-Ident Number:)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
Last	50					
Now						
Wearing Surface			4	4	Chipseal on epoxy wearing surface on concrete. 5% peeled along Eastbound lane. Does not extend to curbs. Delaminated and peeling along joints.-photo	
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)						
(Thickness(mm) : 50)						
Lateral Connection Problem (Y/N)		No				
Deck Top			N	N		
Deck Rideability			7	7		
Deck Joints			5	7		
Temperature (deg. C)		4				
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC)))						
(Fixed Type : GLAND (WABO-MAUER, TRANSFLEX, ETC)))						
Gap Size (mm)		Gap Location				
50		East abutment - Exp - A2				
45		West abutment - Fixed - A1				
Deck Drainage			5	6		
Drains Clogged (Y/N)		No				
Curbs/Median			N	5	Few popouts and areas of delamination, mostly on S curb.	
(Curb Type : Standard)						
Scaling (Percent Area)		2				
Bridge Rail			7	7	Chips & scrapes along South top rail. 1% of anchor bolts have insufficient thread.	
(Type : GALVANIZED STEEL BRIDGE TUBE)						
Bridge Rail Posts		5	5			
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating		5	5			
(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 : 11)						

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : RM, 1 Spans, Lengths(m): 28, A-Ident Number:)				
Diaphragms/Cross Frame		X	X	
Bearings		7	7	
Temperature (deg. C)	4			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type : REINFORCED PAD BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		N	N	
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		7	7	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		4	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		7	7	
Piles		N	N	
Paint/Coating		5	5	
Abutment Stability		8	8	
Scour/Erosion		7	5	Headslope settled 200mm at NW
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		4	7	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		6	6	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible. At train bridge.
Drift (Y/N)	Yes			
Slope Protection		6	6	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(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							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK	2011	Patch chipseal for traction.					
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	Patch ACP at approaches.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	61.1/77.8	Sufficiency Rating (Last/Now) (%)	63.2/69.4	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	Arnold Assenheimer		Previous Assistant's Name	Shane Hall			
Next Inspection Date	03-Jul-2013		Previous Inspection Date	14-Dec-2009			
Inspection Cycle (Default) (months)	21						
Comment							