

Bridge Inspection									
Bridge File Number	72810 W-2 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 L1 3.941				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	-114:16:57, 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)		In Advance (Y/N)		At Bridge (Y/N)		
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	NE & SE only.								
Other Sign Types	Information.								
Utilities (Located at)									
Utility Attachments									
Telephone	South & North r/w.				Gas				
Power	3 lines North r/w.				Municipal				
Others					Problem (Y/N)		No		
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Curve East of bridge.				
Vertical Alignment			8	8					
Roadway Width (m)	12.400				ACP along joints is ravelling with pot holes forming at a few locations.-photo				
Approach Bump			5	4					
Guardrail (Y/N)	Yes				NE & SE only. Missing splice bolt in SE approach guardrail.				
Guardrail			N	4					
Length (m)	49.400								
Current Standard (Y/N)	Yes								
Termination Type	Turned Down								
Drainage			7	4	Erosion gully at SE corner of bridge.				
Approach Road General Rating			7	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. Chipseal worn off in passing lane near A2. Area 3m x 2m - 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	5	Spalls on edge of paving lip West abutment.
Temperature (deg. C)		4			
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
Gap Size (mm)		Gap Location			
50		E. abut - A2 -			
48		W. abut - A1 -			
Deck Drainage			7	4	NW drain trough spalled at a few locations. No deck drains. Leaking between G3 & 4 on W side of bridge.-photo 1m wide x 3m long birdbath along NE curb.-photo
Drains Clogged (Y/N)		No			
Curbs/Median			N	4	Few rust spots of face. Few popouts. Delamination cracking along length of both curbs.
(Curb Type : Standard)					
Scaling (Percent Area)		1			
Bridge Rail			7	7	Chips & scrapes along top rail North side.
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			7	7	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			6	6	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : RM, 1 Spans, Lengths(m): 28, A-Ident Number:)				
Girders		7	7	Girder 10 has minor chip near West abutment. Wet and water stains between G3 & 4 on W side of bridge.-photo
Cracking (Y/N)	No			
Spalling (Percent Area)	0			
(Number Of Girders : 11)				
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		8	8	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		6	6	Rust spots at a few locations.
Piles		N	N	
Paint/Coating		6	6	
Abutment Stability		8	8	
Scour/Erosion		7	4	Erosion gully at SE corner partially filled with rock.-photo
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	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Debris (Y/N)	No			
Substructure General Rating		8	8	
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		7	7	
(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 worn 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	Replace missing SE approach guardrail splice bolts.					
OTHER ACTION	2011	Patch ACP at joints.					
OTHER ACTION	2011	Place additional rock in erosion gully at SE.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	83.3/83.3	Sufficiency Rating (Last/Now) (%)	72.6/72.6	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							