

Bridge Inspection							
Bridge File Number	08800 -1 Bridge			Form Type	PSR		
Year Built/Year Supstr	1962/1962			Lot No.	3		
Bridge or Town Name	GARRINGTON			Inspector Name	Owen Salava		
Located Over	RED DEER RIVER, 3, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	587:02 C1 12.478			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	24-Oct-2011		
Legal Land Location	SE SEC 27 TWP 34 RGE 4 W5M			Data Entry By	Marcia Chavez		
Longitude, Latitude	-114:29:02, 51:56:36			Data Entry Date	24-Nov-2011		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	John O'Brien		
Contract Main. Area	CMA18			Review Date	13-Nov-2011		
Clear Roadway/Skew	7.9 /			Dept. Reviewer Name	Andrew Smikles		
AADT/Year	1,110 / 2010 (A)			Dept. Review Date	24-Nov-2011		
Road Classification	RCU-209-110			Follow-Up By			
Detour Length (km)	40						
Allowable Load (t):	Single	CS1 45 GIRDER	Semi	CS2 49 GIRDER	Train	CS3 62	----> On Critical Spans ---->Critical Member
Design Loading:	HS20						----> 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								
Other Sign Types	Curve							

Utilities (Located at)			
Utility Attachments			
Telephone			Gas
Power	3 - wire. S row.		Municipal
Others			Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		5	5	No passing - curves E & W of bridge.
Vertical Alignment		6	6	Approach both ends. Grade raise to W.
Roadway Width (m)	9.800			Slight bump on E end of EB lane.
Approach Bump		6	6	
Guardrail (Y/N)	Yes			Minor strike damage, still functional.
Guardrail		4	6	
Length (m)	38.000			
Current Standard (Y/N)	Yes			
Termination Type	TURNED DOWN			
Drainage		7	7	
Approach Road General Rating		5	5	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PO, 4 Spans, Lengths(m): 34.1-34.1-34.1-34.1, 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			5	5	HPC overlay in 2009. Surface scaling on 15% of WB lane.
(Material Type : CONCRETE)					
(Thickness(mm) : 80)					
Lateral Connection Problem (Y/N)		No			
Deck Top			X	X	
Deck Rideability			7	7	
Deck Joints			3	6	Fxd. Exp. Fxd. Exp. Fxd.
Temperature (deg. C)		6			
(Expansion Type : SLIDING PLATES)					
(Fixed Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
Gap Size (mm)		Gap Location			
89		W abut			
100		Pier 1			
86		Pier 2			
106		Pier 3			
86		E abut			
Deck Drainage			7	7	New drains installed with concrete overlay.
Drains Clogged (Y/N)		No			
Curbs/Median			6	6	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			8	8	Retrofit rail installed in 2009.
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			8	8	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			4	8	
(Type : GALVANIZED)					
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			7	7	
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
(Number Of Girders : 16)					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : PO, 4 Spans, Lengths(m): 34.1-34.1-34.1-34.1, A-Ident Number:)				
Diaphragms/Cross Frame		7	7	25% rusted under joints.
Bearings		6	6	Bearings rusty - photo.
Temperature (deg. C)	6			
(Expansion Type : REINFORCED PAD BEARING)				
(Fixed Type : NEOPRENE STRIP BEARING)				
Coating Adequate (Y/N)	No			
Functioning (Y/N)	Yes			
Deck Underside		6	6	Small area of staining on NW corner of S1 under G4 (photo).
Stains (Percent Area)	1			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		6	6	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		7	7	
Piles		N	N	
Paint/Coating		X	X	
Abutment Stability		7	7	
Scour/Erosion		4	4	Minor erosion gully above concrete slope protection on W abut.
Piers/Bents				
(Type : PIER-SOLID)				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0:0:0)				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		7	7	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		7	7	
Debris (Y/N)	Yes			Debris caught on all piers.
Substructure General Rating		7	7	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		6	6	
Bank Stability		5	5	Erosion of SW bank.
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Yes			
Slope Protection		7	7	
(Type : CONCRETE; CONCRETE)				
Guidebank/Spurs		7	7	
Adequacy of Opening		7	7	
(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							
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	2012						
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	72.2/72.2	Sufficiency Rating (Last/Now) (%)	59.7/59.6	Est. Repl. Yr	2035	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	Todd Warshawski			
Next Inspection Date	24-Jan-2015		Previous Inspection Date	21-Sep-2010			
Inspection Cycle (Default) (months)	39						
Comment							