

Bridge Inspection									
Bridge File Number	09847 -2 Bridge				Form Type	SG			
Year Built/Year Supstr	2005/2005				Lot No.	2			
Bridge or Town Name					Inspector Name	Owen Salava			
Located Over	NORTH SASKATCHEWAN RIVER, 6, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	11A:02 C1 9.421				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	02-Feb-2012			
Legal Land Location	NE SEC 21 TWP 39 RGE 7 W5M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-114:56:30, 52:22:36				Data Entry Date	01-Mar-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	CMA18				Review Date	22-Feb-2012			
Clear Roadway/Skew	9.4 / -12 deg. (LHF)				Dept. Reviewer Name	Andrew Smikles			
AADT/Year	2,200 / 2010 (A)				Dept. Review Date	09-Mar-2012			
Road Classification	RAU-211.8-110				Follow-Up By				
Detour Length (km)	13								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	CL800						----> Primary Span		
Posting Information									
Required Load Posting (t)	Single				Semi		Truck Train		
Posted Loading (t)	Single				Semi		Truck Train		
Posted:	Lane	WB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	EB	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	50 kph, Slippery Road. River I.D.								
Utilities (Located at)									
Utility Attachments									
Telephone	South & North.				Gas				
Power	4 wires SE, 2 wires SW, 3 wires North r/w.				Municipal				
Others	WSC Northwest, street lights North.				Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Within town limits with numerous intersections.				
Vertical Alignment			7	7					
Roadway Width (m)	9.000								
Approach Bump			8	8					
Guardrail (Y/N)	Yes								
Guardrail			4	6					
Length (m)	82.000								
Current Standard (Y/N)	Yes								
Termination Type	Turned down								
Drainage			9	9					
Approach Road General Rating			7	7					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : WG, 3 Spans, Lengths(m): 53-67-53, A-Ident Number: A1591-01)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)	Gravel covered at curbs.	
Last						
Now	10.0	0.0	0.0	0.0		
Wearing Surface				7	7	
(Material Type : ACP - CONVENTIONAL CHIP SEAL COAT)						
(Thickness(mm) : 90)						
Deck Top			N	N		
Deck Rideability			9	9		
Deck Joints			3	6	Chip sealed joint also was not cleaned out afterwards.	
Temperature (deg. C)		-2				
(Expansion Type : FINGER PLATES)						
(Fixed Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))						
Gap Size (mm)		Gap Location				
120		East abutment - A2				
85		West abutment - A1				
Deck Drainage			3	3	Missing 1 bolt at SW and 2 "U" bolts at SE for retrofit drains. SW pipe broken.	
Drains Clogged (Y/N)		No				
Curbs/Median			9	9		
(Curb Type : Standard)						
Scaling (Percent Area)		0				
Bridge Rail			9	9		
(Type : GALVANIZED STEEL BRIDGE TUBE)						
Bridge Rail Posts			9	9		
(Type : POST STEEL;POST STEEL)						
Bridge Rail/Posts Coating			9	9		
(Type : GALVANIZED)						
Sidewalk			8	8	1 vertical bent NW end, minor.	
Girder/Beam						
Cover Plate			X	X		
Flange			9	9		
Web			9	9		
Stiffeners			9	9		
Splice			9	9		
Weld			9	9		
Diaphragms/Cross Frame			9	9		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : WG, 3 Spans, Lengths(m): 53-67-53, A-Ident Number: A1591-01)				
Paint Condition		9	9	Weathering steel.
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings		9	9	
Temperature (deg. C)	-2			
(Expansion Type : ROCKER BEARING)				
(Fixed Type : PINNED BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		9	9	
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		9	9	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		9	9	
(Type : CONCRETE)				
Backwalls/Breastwalls		9	9	
Wingwalls		9	9	
Piles		N	N	
Paint/Coating		9	9	
Abutment Stability		9	9	
Scour/Erosion		9	9	
Piers/Bents				
(Type : PIER-SOLID)				
Bearing Seats/Caps		9	9	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0:0)				
Pier Shaft/Piles		9	9	
Bracing/Struts/Sheathing		X	X	
Nose Plate		9	9	
Paint/Coating		9	9	
(Colour Description :)				
(Colour Code :)				
Pier Stability		9	9	
Scour		N	N	Ice covered.
Debris (Y/N)	No			
Substructure General Rating		9	9	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		9	9	
Bank Stability		8	8	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		9	9	Rock on East side only.
(Type : RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	9	
(Fish Compensation Measure 1 : None)				
(Fish Compensation Measure 2 : None)				
Channel General Rating		9	9	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2012	Install 1 bolt and 2 "U" bolts to retrofit drain brackets. Replace West drain tube.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	100.0/100.0	Sufficiency Rating (Last/Now) (%)	77.7/77.7	Est. Repl. Yr	2075	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	Owen Salava	Previous Assistant's Name					
Next Inspection Date	02-Nov-2013	Previous Inspection Date	31-Mar-2010				
Inspection Cycle (Default) (months)	21						
Comment							