

Bridge Inspection										
Bridge File Number	71246 -1 Bridge				Form Type	PSR				
Year Built/Year Supstr	1972/1972				Lot No.	1				
Bridge or Town Name	WOKING				Inspector Name	Brian Pientsch				
Located Over	SADDLE BURNT RIVER, 8.1.57, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	731:02 C1 0.383				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	02-Mar-2012				
Legal Land Location	SW SEC 22 TWP 76 RGE 6 W6M				Data Entry By	Theresa Lacusta				
Longitude, Latitude	-118:51:13, 55:35:45				Data Entry Date	02-Apr-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux				
Contract Main. Area	CMA05				Review Date	27-Mar-2012				
Clear Roadway/Skew	8.2 / -15 deg. (LHF)				Dept. Reviewer Name	David Morrison				
AADT/Year	590 / 2011 (A)				Dept. Review Date	18-Jun-2012				
Road Classification	RCU-209-110				Follow-Up By					
Detour Length (km)	10									
Allowable Load (t):	Single		Semi		Train		----> 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	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									

Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types									

Utilities (Located at)										
Utility Attachments										
Telephone	West curb.				Gas					
Power	Overhead, north abutment - 2L				Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	In sag curve, no passing				
Vertical Alignment			6	6					
Roadway Width (m)	9.450								
Approach Bump			5	5					
Guardrail (Y/N)	Yes								
Guardrail			4	5					
Length (m)	23.000								
Current Standard (Y/N)	Yes								
Termination Type	TURNED DOWN								
Drainage			4	5					
Approach Road General Rating			6	6					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PM, 3 Spans, Lengths(m): 16.8-16.8-16.8, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last					
Now	10.0	0.0	0.0	0.0	
Wearing Surface				4	7
(Material Type : ACP - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 90)					
Lateral Connection Problem (Y/N)		No			
Deck Top				N	N
Deck Rideability				6	7
Deck Joints				4	7
Temperature (deg. C)		-3			
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
Deck Drainage				4	7
Drains Clogged (Y/N)		No			
Curbs/Median				4	N
(Curb Type : None)					
Scaling (Percent Area)		7			
Bridge Rail				7	7
(Type :)					
Bridge Rail Posts				7	7
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating				7	7
(Type : GALVANIZED)					
Sidewalk				X	X
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	1	
Now	0	0	0	1	
Girders				3	3
Cracking (Y/N)		No			
Spalling (Percent Area)		1			
(Number Of Girders : 30)					
				S1, G1 & S2, G1 & G10, & S3,G1. Rust stains on underside at girder ends. (Photo) Stains likely from debris left in forms during costing. Sp1G1 is more extensive with a 100mm dia. spall.-photo	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : PM, 3 Spans, Lengths(m): 16.8-16.8-16.8, A-Ident Number:)				
Diaphragms/Cross Frame		X	X	
Bearings		7	7	
Temperature (deg. C)	-3			
(Expansion Type : NEOPRENE STRIP BEARING)				
(Fixed Type : NEOPRENE STRIP BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		5	5	50% of G1 in SP1-3 has water stains from leakage between G1 & 2.
Stains (Percent Area)	3			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		3	3	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		5	5	50% of N & S caps have light scaling.
(Type : CONCRETE)				
Backwalls/Breastwalls		5	5	
Wingwalls		5	5	Light scaling on 5% of wall.
Piles		5	N	
Paint/Coating		4	7	
Abutment Stability		6	6	
Scour/Erosion		4	7	
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		4	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 5:5)				
Pier Shaft/Piles		7	7	The pile bracing on S pier is 1.2m lower than N. pier.
Bracing/Struts/Sheathing		5	5	
Nose Plate		7	7	
Paint/Coating		4	4	20% top coat has failed.
(Colour Description : BROWN)				
(Colour Code : 30252)				
Pier Stability		8	8	
Scour		7	7	
Debris (Y/N)	No			
Substructure General Rating		4	7	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				downstream on bridge,
(D/S Direction : E)				
Alignment		7	7	
Bank Stability		4	5	Steep vertical banks on outside of bends u/s & d/s.
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)		No		
Slope Protection		8	8	
(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		4	5	

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							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	38.9/55.6	Sufficiency Rating (Last/Now) (%)	51.9/59.8	Est. Repl. Yr	2032	Maint. Req. (Y/N)	No
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	02-Jun-2015		Previous Inspection Date	07-Oct-2009			
Inspection Cycle (Default) (months)	39						
Comment							