

Bridge Inspection									
Bridge File Number	01006 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1969/1969				Lot No.	1			
Bridge or Town Name	OKOTOKS				Inspector Name	Calvin Roberts			
Located Over	WILSON COULEE, 2.13.27.2.3, WATERCRS-ST				Inspector Class	BR CLS B			
Located On	549:04 C1 24.921				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	09-Feb-2013			
Legal Land Location	NW SEC 29 TWP 20 RGE 29 W4M				Data Entry By	Lauren Korte			
Longitude, Latitude	-113:59:36, 50:43:36				Data Entry Date	09-Mar-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts			
Contract Main. Area	CMA27				Review Date	16-Feb-2013			
Clear Roadway/Skew	8.2 / 45 deg. (RHF)				Dept. Reviewer Name	Tim Davies			
AADT/Year	2,580 / 2011 (A)				Dept. Review Date	13-Mar-2013			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	27								
Allowable Load (t):	Single	CS 1 28 GIRDER	Semi	CS 2 49 GIRDER	Train	CS 3 65 GIRDER	----> 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					Municipal				
Others					Problem (Y/N)	No			
Remarks	Conduit @ North side of bridge.								
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			5	5	Constructed on a curve.				
Vertical Alignment			9	8					
Roadway Width (m)	8.500								
Approach Bump			7	7					
Guardrail (Y/N)	Yes								
Guardrail			5	5	Minor damage. Not thrie beam.				
Length (m)	15.200								
Current Standard (Y/N)	No								
Termination Type	TURN DOWN								
Drainage			8	8					
Approach Road General Rating			5	5					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : HC, 3 Spans, Lengths(m): 6.1-6.1-6.1, 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			6	6	Cracks along girder lines-sealed.	
(Material Type : ACP)						
(Thickness(mm) : 50)						
Lateral Connection Problem (Y/N)		Yes				
Deck Top			N	N	ACP covered.	
Deck Rideability			7	7		
Deck Joints			N	N		
Bump (Y/N)		No				
Deck Drainage			7	7		
Drains Clogged (Y/N)		No				
Curbs/Median			5	5	Medium scaling at 40% at face. Some corrosion staining. Minor spall at NE corner, exposed rebar.	
(Curb Type : Standard)						
Scaling (Percent Area)		40				
Bridge Rail			7	7	Single layer.	
(Type : GALVANIZED STEEL FLEX BEAM;FLEX BEAM)						
Bridge Rail Posts			7	7		
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating			6	6		
(Type : GALVANIZED)						
Sidewalk			N	X		
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	1		
Now	0	0	0	2		
Girders			3	3	14 girders with wide cracks in AZ in sound concrete. G9, G10 Sp1 and G10 Sp2 with spalls in AZ with top half of steel embedded in sound concrete (2 are curbs). G9 Sp3 with wide crack in AZ in unsound concrete.	
Last Complete Inspection Date		09-Feb-2013				
Cracking (Y/N)		Yes				
Spalling (Percent Area)		3				
Lift or Connector Pocket Grouted (Y/N)		Yes				
(Number Of Girders : 30)						
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						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 1800)						
(Total Number of Caps/Corbels : 3:3)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				6	6	
(Type : TREATED TIMBER)						
(Depth(mm) : 350)						
(Width(mm) : 300)						
Backwalls/Breastwalls				7	7	
Greatest Height (m)		1.60				
Wingwalls				7	7	
(Total Number of Bearing Piles : 6:6)				1 steel pile @ East abut.		
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Piles				5	5	
Paint/Coating				N	X	
Abutment Stability				7	7	
Scour/Erosion				7	6	
Minor scour from road drainage at East headslope.						
Piers/Bents						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 3:3)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				5	5	
(Type : TREATED TIMBER)						
(Depth(mm) : 300)						
(Width(mm) : 350)						
(Total Number of Bearing Piles : 7:7)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Pier Shaft/Piles				5	5	
Greatest Height (m)		2.40				
Bracing/Struts/Sheathing				5	5	
Nose Plate				X	X	
Paint/Coating				X	X	
(Colour Description :)						
(Colour Code :)						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		7	7	
Scour		7	7	
Debris (Y/N)	No			
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				Stream at 90 degrees angle to bridge at U/S end- D/S turns 60 degrees East. Old bridge abut was left in as a guidebank.
(D/S Direction : S)				
Alignment		5	5	
Bank Stability		5	5	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		5	5	
(Type :)				
Guidebank/Spurs		5	5	
Adequacy of Opening		5	5	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		5	5	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	44.4/44.4	Sufficiency Rating (Last/Now) (%)	50.2/50.1	Est. Repl. Yr	2018	Maint. Req. (Y/N)	No
Special Comments for Next Inspection	No maintenance required for girders rated 3 at this time.		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	Jason Rusu		Previous Assistant's Name				
Next Inspection Date	09-May-2016		Previous Inspection Date	07-Nov-2009			
Inspection Cycle (Default) (months)	39						
Comment							