

Bridge Inspection							
Bridge File Number	00123 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1974/1974			Lot No.	4		
Bridge or Town Name	OKOTOKS			Inspector Name	Calvin Roberts		
Located Over	TRIBUTARY TO WILSON COULEE, 2.13.27.2.3.1, WATERCRS-ST			Inspector Class	BR CLS B		
Located On	549:04 C1 23.838			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	09-Feb-2013		
Legal Land Location	NE SEC 25 TWP 20 RGE 1 W5M			Data Entry By	Lauren Korte		
Longitude, Latitude	-114:00:25, 50:43:50			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	9.1 / -15 deg. (LHF)			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	CS1 30 GIRDER	Semi	CS2 52 GIRDER	Train	CS3 75 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	South ditch.	Gas	
Power	North ditch - 1 wire- crosses 100m West.	Municipal	
Others		Problem (Y/N)	No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Road posted 60kmph.
Vertical Alignment		7	7	
Roadway Width (m)	9.000			
Approach Bump		7	7	
Guardrail (Y/N)	Yes			8.0m @ SE. 15 @ other corners.
Guardrail		6	6	
Length (m)	8.000			Not thrie beam.
Current Standard (Y/N)	No			
Termination Type	TURN DOWN			
Drainage		8	8	
Approach Road General Rating		7	7	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : HC, 1 Spans, Lengths(m): 8.5, 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			8	7	2 longitudinal cracks in ACP between girders.
(Material Type : ACP)					
(Thickness(mm) : 70)					
Lateral Connection Problem (Y/N)	Yes				
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			N	N	ACP covered.
Bump (Y/N)		No			
Deck Drainage			8	8	
Drains Clogged (Y/N)		No			
Curbs/Median			7	7	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			7	7	Singer Layer. Galvanized Zinc.
(Type : GALVANIZED STEEL FLEX BEAM)					
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	2	
Now	0	0	0	0	
Girders			3	4	(H.L shear cracks on 8 girders. 8 Girders have cracks or spalls in AZ. Worst is South ext both webs with cracks and spalls in AZ Typical Drift pin Spalls) 20-Sept-2006 Wide cracks in AZ at estimate of G6, G7, G10 in sound concrete. G1 with spall in AZ, curb girder.
Last Complete Inspection Date		09-Feb-2013			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		2			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 11)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			3	4	

Substructure							
Bridge Component		Last	Now	Explanation of Condition			
Abutments							
(Extended Backwall Piles (Y/N) : Y)							
(Extended Backwall Piles Spacing(mm) : 1400)							
(Total Number of Caps/Corbels : 5:5)				Some caps 300 deep x 300 wide +300x300 @ subcaps.			
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				7	6		
(Type : TREATED TIMBER)							
(Depth(mm) : 350)							
(Width(mm) : 300;350)							
Backwalls/Breastwalls				7	6		
Greatest Height (m)		2.40		Unable to confirm.			
Wingwalls						7	7
(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			
Piles				7	6		
Paint/Coating				X	X		
Abutment Stability				6	6		
Scour/Erosion				7	7		
Piers/Bents							
(Type :)							
(Total Number of Caps/Corbels :)							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now							
Bearing Seats/Caps/Corbels				X	X		
(Type :)							
(Depth(mm) :)							
(Width(mm) :)							
(Total Number of Bearing Piles :)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now							
Pier Shaft/Piles				X	X		
Greatest Height (m)							
Bracing/Struts/Sheathing				X	X		
Nose Plate				X	X		
Paint/Coating				X	X		
(Colour Description :)							
(Colour Code :)							

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	Yes			0.8-1.0m uniform silt under bridge. Old piles in channel.
Substructure General Rating		6	6	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		7	7	
Bank Stability		6	6	
HWM (m below Top of Curb)				No visible HWM.
Drift (Y/N)	No			
Slope Protection		X	6	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	6	

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) (%)	50.0/55.6	Sufficiency Rating (Last/Now) (%)	62.4/63.9	Est. Repl. Yr	2016	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	Jason Rusu		Previous Assistant's Name				
Next Inspection Date	09-May-2016		Previous Inspection Date	07-Nov-2009			
Inspection Cycle (Default) (months)	39						
Comment							