

Bridge Inspection									
Bridge File Number	74952 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1990/1990				Lot No.	2			
Bridge or Town Name	BLACKIE				Inspector Name	Jon Davies			
Located Over	TRIBUTARY TO FRANK LAKE, 2.12.12.16.1.1, WATERCRS-ST				Inspector Class	BR CLS B			
Located On	799:02 C1 1.734				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	24-Jan-2013			
Legal Land Location	SW SEC 12 TWP 19 RGE 27 W4M				Data Entry By	Anne Roberts			
Longitude, Latitude	-113:37:43, 50:35:16				Data Entry Date	21-Feb-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts			
Contract Main. Area	CMA27				Review Date	03-Feb-2013			
Clear Roadway/Skew	8.8 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	440 / 2011 (A)				Dept. Review Date	04-Mar-2013			
Road Classification	RCU-208-110				Follow-Up By				
Detour Length (km)	3								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	MS225						----> 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	Not required								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks	HAZARD MARKERS ARE AT WRONG LOCATION @ Guardrail								
Other Sign Types									

Utilities (Located at)									
Utility Attachments									
Telephone	WEST DITCH				Gas	Crossing 100m north			
Power	3 WIRE EAST FENCE				Municipal				
Others	Fibre Optics @ east R/W				Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			8	8					
Vertical Alignment			9	8					
Roadway Width (m)			8.500		Minor settlement at A1 and A2 with wide ACP cracks				
Approach Bump			5	5					
Guardrail (Y/N)			Yes		Split post @ SW / Loose flex beam attachment to bridge rail tube at all corners.				
Guardrail			4	4					
Length (m)			22.400		Not thrie beam				
Current Standard (Y/N)			No						
Termination Type			TURNED DOWN						
Drainage			8	7					
Approach Road General Rating			8	8					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SM, 1 Spans, Lengths(m): 6, A-Ident Number:)					
Special Features					
Special Feature					
(Type :)					
Special Feature					
(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	5	
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N ACP covered	
Deck Rideability			7	6	
Deck Joints			N	N ACP covered	
Bump (Y/N)		Yes		Minor in both directions	
Deck Drainage			5	5 NO DRAINS	
Drains Clogged (Y/N)					
Curbs/Median			4	6	
(Curb Type : Standard)					
Scaling (Percent Area)		5			
Bridge Rail			8	7	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			8	7	
(Type : GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			8	7	
(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	
Last Complete Inspection Date		24-Jan-2013			
Cracking (Y/N)		Yes		Hairline to narrow longitudinal cracks on girder undersides	
Spalling (Percent Area)		0		Tar filled lift hook pockets	
Lift or Connector Pocket Grouted (Y/N)		No			
(Number Of Girders : 8)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			7	7	

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
Abutments					
(Extended Backwall Piles (Y/N) : N)					
(Extended Backwall Piles Spacing(mm) :)					
(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			8	5	
(Type : TREATED TIMBER)					
(Depth(mm) : 350)					
(Width(mm) : 300)					
Backwalls/Breastwalls			5	4	
Greatest Height (m)		2.50			
Wingwalls			6	5	
(Total Number of Bearing Piles : 9:9)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Piles			5	4	
Paint/Coating			X	X	
Abutment Stability			6	5	
Scour/Erosion			5	5	
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			7	6	
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)	No			
Substructure General Rating		5	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		7	7	
Bank Stability		8	8	
HWM (m below Top of Curb)	1.5			No visible HWM
Drift (Y/N)	No			
Slope Protection (Type :)		5	N	P.R. 5 not visible
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	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	2013	Core Piles and caps.					
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2013	Fill lift pockets @ curbs 0.2m ³ grout.					
OTHER ACTION	2013	1 new T.T. post at SW guardrail. Reattach guardrail to bridge rail with T.T. blocking at all 4 corners.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/61.1	Sufficiency Rating (Last/Now) (%)	70.7/66.4	Est. Repl. Yr	2030	Maint. Req'd. (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	Rex Davidson		Previous Assistant's Name				
Next Inspection Date	24-Apr-2016		Previous Inspection Date	16-Oct-2009			
Inspection Cycle (Default) (months)	39						
Comment							