

Bridge Inspection											
Bridge File Number	71417 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1974/1974				Lot No.	1					
Bridge or Town Name	BAWLF				Inspector Name	Owen Salava					
Located Over	TRIBUTARY TO DRIEDMEAT CREEK, 5.40.3, WATERCRS-ST				Inspector Class	BR CLS A					
Located On	13:12 C1 18.130				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	30-Aug-2010					
Legal Land Location	NW SEC 35 TWP 45 RGE 18 W4M				Data Entry By	Marcia Chavez					
Longitude, Latitude	-112:31:06, 52:55:49				Data Entry Date	05-Oct-2010					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien					
Contract Main. Area	CMA16				Review Date	10-Sep-2010					
Clear Roadway/Skew	11 / 30 deg. (RHF)				Dept. Reviewer Name	Chris Black					
AADT/Year	3,270 / 2009 (A)				Dept. Review Date	12-Oct-2010					
Road Classification	RAU-209-110				Follow-Up By						
Detour Length (km)	5										
Allowable Load (t):	Single	CS1 28			Semi	CS2 49			Train	CS3 62	----> On Critical Spans ---->Critical Member
Design Loading:	HS25									----> 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)	No								
Remarks	Not required.								
Other Sign Types									

Utilities (Located at)									
Utility Attachments									
Telephone	South row.				Gas				
Power	North				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Intersection to road allowance approx 75m on West side.				
Vertical Alignment			8	8					
Roadway Width (m)		9.500							
Approach Bump			7	7					
Guardrail (Y/N)		Yes							
Guardrail			6	6	Not thrie beam.				
Length (m)		32.000							
Current Standard (Y/N)		No							
Termination Type		TURNED DOWN							
Drainage			6	6					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : VH, 1 Spans, Lengths(m): 10.1, 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			5	5	Chipseal on ACP - new ACP both sides of highway. ACP stops short of both curbs, 170mm thick (photo). 3 lines of longitudinal cracking over girders.
(Material Type : ACP - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 170)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	Paved over with ACP.
Bump (Y/N)		No			
Deck Drainage			7	7	Medium to heavy scaling under drain holes.
Drains Clogged (Y/N)		No			
Curbs/Median			4	4	Curb spall at NW, minor.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			7	7	Single layer.
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			3	3	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			6	6	
(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			5	5	Girder 8 has a hairline shear crack @ West end-does not extend below bottom rebar. NW corner of girder 13 has narrow map cracks with rust stains. G1 spall midspan. G12 wide crack in AZ - 1 leg only. Medium shear crack marked G10 - West end.
Last Complete Inspection Date		30-Aug-2010			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		1			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 13)					
Span Alignment Problems					
Vertical (Y/N)		No			Curb units skewed to roadway alignment - photo. Bridge is not aligned with roadway - minor.
Horizontal (Y/N)		Yes			
Superstructure General Rating			5	5	

Substructure						
Bridge Component				Last	Now	Explanation of Condition
Abutments						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 1500)						
(Total Number of Caps/Corbels : 3:3)				SE cap is vertical split, end possible rot beginning.		
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				4	4	
(Type : TREATED TIMBER)						
(Depth(mm) : 356)						
(Width(mm) : 305)						
Backwalls/Breastwalls				5	5	Minor damage to end of top plank at NE.
Greatest Height (m)		2.30				
Wingwalls				5	5	Torn tin cap @ top of NE wingwall pile.
(Total Number of Bearing Piles : 13:13)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Piles				6	6	
Paint/Coating				X	X	
Abutment Stability				6	6	
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	0	0	0	0		
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)	No			
Substructure General Rating		4	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				
(D/S Direction : S)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		6	6	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(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	2010	Patch NW curb spill.					
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS	2010	Caps + piles					
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION							
OTHER ACTION	2010	Weld threaded studs onto bolts & install 2 - 20mm nuts & washers, coat with galvacon. (SW anchor assembly).					
OTHER ACTION	2010	Repair torn tin cap @ NE wing pile.					
OTHER ACTION							
OTHER ACTION							
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Structural Condition Rating (Last/Now) (%)	50.0/50.0	Sufficiency Rating (Last/Now) (%)	59.6/58.1	Est. Repl. Yr	2035	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)	Y						
Proposed Action	2004.12.24 Replace bridge with road work in 2007 due to alignment shift.						
Previous Inspector's Name	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	30-May-2012		Previous Inspection Date	11-Feb-2009			

Inspection Cycle (Default) (months)	21
Comment	