

Bridge Inspection											
Bridge File Number	72610 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1982/1982				Lot No.	4					
Bridge or Town Name	BEAVERLODGE				Inspector Name	Russel Vanderschaaf					
Located Over	TRIBUTARY TO BEAVERLODGE RIVER, 8.10.58.18.8.1.3, WATERCRS-ST				Inspector Class	BR CLS B					
Located On	667:04 C1 2.440				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	14-May-2010					
Legal Land Location	SW SEC 25 TWP 71 RGE 10 W6M				Data Entry By	Theresa Lacusta					
Longitude, Latitude	-119:23:52, 55:10:14				Data Entry Date	14-Jun-2010					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer					
Contract Main. Area	CMA05				Review Date	07-Jun-2010					
Clear Roadway/Skew	10 /				Dept. Reviewer Name	Steve Pasquan					
AADT/Year	760 / 2009 (A)				Dept. Review Date	18-Aug-2010					
Road Classification	RCU-209-110				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:	MS23									----> 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									
Hazard Marker At Bridge (Y/N)		Yes							
Remarks									
Other Sign Types									

Utilities (Located at)										
Utility Attachments										
Telephone	South R/W				Gas					
Power	North R/W-2wire				Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			8	8					
Vertical Alignment			8	8					
Roadway Width (m)		10.000							
Approach Bump		7	7						
Guardrail (Y/N)		Yes							
Guardrail		N	7						
Length (m)		11.400							
Current Standard (Y/N)		No							
Termination Type		TURNED DOWN ENDS							
Drainage			7	7					
Approach Road General Rating			8	8					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SM, 1 Spans, Lengths(m): 11, 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					
Wearing Surface			X	5	
(Material Type : ACP)					
(Thickness(mm) : 25)					
Lateral Connection Problem (Y/N)		No			
Deck Top			6	N	Spalling at the ends of some girders. Lift pockets filled with tar. Cracks along girders joints (parallel to road) in APC.
Deck Rideability			7	7	
Deck Joints			7	7	
Bump (Y/N)		No			
Deck Drainage			7	7	No drains
Drains Clogged (Y/N)		No			
Curbs/Median			N	6	Snow covered.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			7	7	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
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				2	
Now					
Girders			3	4	G2 & G9 have spalling outside the anchorage zone,with no rust staining. Rust stains from connector pockets on bottoms of all girders.
Last Complete Inspection Date		27-Feb-2007			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		1			
Lift or Connector Pocket Grouted (Y/N)		No		Lift pockets filled with tar. Rust stains from girder connector pockets.	
(Number Of Girders : 9)					
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) : 1500)						
(Total Number of Caps/Corbels : 3:3)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)	Both subcaps are not fully bearing on piles with 2/3 or greater bearing. Top caps 350mmWx300mmD. Subcaps 300mmx300	
Last						
Now						
Bearing Seats/Caps/Corbels			4	5		
(Type : TREATED TIMBER)						
(Depth(mm) :)						
(Width(mm) :)						
Backwalls/Breastwalls			7	7	West abut 250mm of 300mm bearing on P6. East abut 230mm of 300mm bearing on P6.	
Greatest Height (m)		3.14				
Wingwalls			7	7		
(Total Number of Bearing Piles : 10:10)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)	East abut piles 4,5,6&8 all have split for length above ground, and are banded.	
Last						
Now						
Piles			4	5		
Paint/Coating			X	X		
Abutment Stability			6	5		
Scour/Erosion			8	8		
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) :)						

Substructure						
Bridge Component				Last	Now	Explanation of Condition
(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 :)						
Pier Stability				X	X	
Scour				X	X	
Debris (Y/N)		No				
Substructure General Rating				4	5	
Structure Usage						
				Last	Now	Explanation of Condition
Channel						
(U/S Direction : N)						
(D/S Direction : S)						
Alignment				8	8	
Bank Stability				8	8	
HWM (m below Top of Curb)						No HWM visible.
Drift (Y/N)		No				
Slope Protection				8	8	
(Type : RIP RAP; RIP RAP)						
Guidebank/Spurs				X	X	UPSTREAM WEIR'S AT 100 AND 200 M
Adequacy of Opening				8	8	
(Fish Compensation Measure 1 : NONE)						
(Fish Compensation Measure 2 : NONE)						
Channel General Rating				8	8	

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							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	38.9/50.0	Sufficiency Rating (Last/Now) (%)	60.4/63.8	Est. Repl. Yr	2033	Maint. Req. (Y/N)	No
Special Comments for Next Inspection	Monitor subcap movement and girder cracking.		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	Brian Pientsch		Previous Assistant's Name	Tim Miskiman			
Next Inspection Date	14-Aug-2013		Previous Inspection Date	27-Feb-2007			
Inspection Cycle (Default) (months)	39						
Comment							