

Bridge Inspection											
Bridge File Number	06651 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1983/1983				Lot No.	4					
Bridge or Town Name	BARRHEAD				Inspector Name	Melanie Johnson					
Located Over	TRIBUTARY TO PADDLE RIVER, 8.11.84.30.1, WATERCRS-ST				Inspector Class	BR CLS B					
Located On	18:10 C1 6.050				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	23-Aug-2011					
Legal Land Location	SE SEC 1 TWP 60 RGE 3 W5M				Data Entry By	Theresa Lacusta					
Longitude, Latitude	-114:18:33, 54:09:08				Data Entry Date	12-Sep-2011					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux					
Contract Main. Area	CMA10				Review Date	01-Sep-2011					
Clear Roadway/Skew	12.5 / 0 deg.				Dept. Reviewer Name	Brent Herrick					
AADT/Year	1,840 / 2010 (A)				Dept. Review Date	15-Sep-2011					
Road Classification	RAU-211.8-110				Follow-Up By						
Detour Length (km)	18										
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	Not required.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks	Not required. NW not at standard height.								
Other Sign Types									

Utilities (Located at)										
Utility Attachments										
Telephone	South r/w & North r/w.				Gas	Pipeline crossing 50 m west.				
Power	2 wires North r/w.				Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Residence access 100m east. Farm access 100m West. Slight crest curve to west.				
Vertical Alignment			7	7					
Roadway Width (m)		11.300							
Approach Bump			7	7					
Guardrail (Y/N)		Yes							
Guardrail			7	7					
Length (m)		30.800							
Current Standard (Y/N)		No							
Termination Type		Turned Down							
Drainage			7	7					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SM, 1 Spans, Lengths(m): 8, 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			5	5	ACP is rough and thin along curbs. Longitudinal and random cracking along asphalt.
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	Yes				
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	Paved over.
Bump (Y/N)		No			
Deck Drainage			7	7	No deck drains.
Drains Clogged (Y/N)					
Curbs/Median			6	6	Fascia vertically cracked at posts. Random hairline map cracks.
(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					
Now					
Girders			7	7	Staining between units from connector pockets. Coating peeling on curb exterior on 10%. Lift pockets @ curbs poorly grouted and rust showing.
Last Complete Inspection Date		22-Aug-2011			
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
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			7	7	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 1700)						
(Total Number of Caps/Corbels : 3:3)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels				6	6	
(Type : TREATED TIMBER)						
(Depth(mm) : 350)						
(Width(mm) : 300)						
Backwalls/Breastwalls				6	6	
Greatest Height (m)		3.50				
Wingwalls				6	6	
(Total Number of Bearing Piles : 12:12)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last				Minor split pile 1 East abut.		
Now						
Piles				6	4	
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				5	5	
				12 - 150 x 200mm timber struts. 10th strut from South is bowed.		
Nose Plate				X	X	
Paint/Coating				X	X	
(Colour Description :)						
(Colour Code :)						
Pier Stability				X	X	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		6	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				Smooth bend U/S.
(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		6	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) (%)	72.2/61.1	Sufficiency Rating (Last/Now) (%)	67.1/60.9	Est. Repl. Yr	2029	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	Melanie Johnson		Previous Assistant's Name				
Next Inspection Date	23-May-2013		Previous Inspection Date	11-Nov-2009			
Inspection Cycle (Default) (months)	21						
Comment							