

Bridge Inspection									
Bridge File Number	07875 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1982/1982				Lot No.	2			
Bridge or Town Name	ECKVILLE				Inspector Name	Jason Saly			
Located Over	TRIBUTARY TO MEDICINE RIVER, 3.88.7, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	766:10 C1 23.034				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	16-Feb-2012			
Legal Land Location	SW SEC 28 TWP 38 RGE 3 W5M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-114:22:57, 52:17:36				Data Entry Date	09-Mar-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	CMA18				Review Date	29-Feb-2012			
Clear Roadway/Skew	11.2 / 0 deg.				Dept. Reviewer Name	Andrew Smikles			
AADT/Year	670 / 2010 (A)				Dept. Review Date	14-Mar-2012			
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	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)	No								
Remarks	Not required.								
Other Sign Types									
Utilities (Located at)									
Utility Attachments									
Telephone	In r/w to West.				Gas				
Power	4 wires 15m East of centreline.				Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			9	8	Field access 50m North & South.				
Vertical Alignment			8	8					
Roadway Width (m)	10.000				Slight dip at both approaches; settled slightly.				
Approach Bump			5	5					
Guardrail (Y/N)	Yes								
Guardrail			7	7					
Length (m)	11.000								
Current Standard (Y/N)	No				Insufficient posts and length.				
Termination Type	TD ENDS.								
Drainage			8	7					
<b>Approach Road General Rating</b>			<b>6</b>	<b>8</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>SM, 1 Spans, Lengths(m): 10, A-Ident Number: </b> )					
<b>Special Features</b>					
Special Feature			X		
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Snow/dirt along gutters.
<b>Last</b>	0	0	0	0	
<b>Now</b>	10.0	0.0	0.0	0.0	
Wearing Surface			X	X	
(Material Type : )					
(Thickness(mm) : )					
Lateral Connection Problem (Y/N)		Yes			
Deck Top			4	4	Some connector/lift pockets grout failed & girder cracking beside connectors. Gaps visible between girders.
Deck Rideability			7	7	
Deck Joints			6	6	Buffer angles. Slight bump due to dip @ both approaches.
Bump (Y/N)					
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			7	4	Lift pocket grout failed along the W curb.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			8	7	
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts			8	7	
(Type : <b>POST STEEL;POST STEEL</b> )					
Bridge Rail/Posts Coating			7	7	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0	0	0	0	
Girders			4	4	Longit. hairline crack end to end of both exterior girders. Girder crack extending from connector pockets. G8 small popout due to steel corrosion not sufficient cover - not due to strands. Rust staining @ connector locations.
Last Complete Inspection Date		16-Feb-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		No			
(Number Of Girders : <b>10</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>4</b>	<b>4</b>	

Substructure							
Bridge Component				Last	Now	Explanation of Condition	
<b>Abutments</b>							
(Extended Backwall Piles (Y/N) : Y)							
(Extended Backwall Piles Spacing(mm) : 1100)							
(Total Number of Caps/Corbels : 3:3)							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
<b>Last</b>	0	0	0	0			
<b>Now</b>	0	0	0	0			
Bearing Seats/Caps/Corbels				5	5	No petrotac protection; ends weathered & ring cracking.	
(Type : TREATED TIMBER)							
(Depth(mm) : 356)							
(Width(mm) : 305)							
Backwalls/Breastwalls				7	6	Backwall scabs.	
Greatest Height (m)		2.00					
Wingwalls				4	4	SW wing pile missing tin cap. Broken top plank.	
(Total Number of Bearing Piles : 11:11)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
<b>Last</b>	0	0	0	0			
<b>Now</b>	0	0	0	0			
Piles				7	7		
Paint/Coating				7	X		
Abutment Stability				7	7		
Scour/Erosion				N	N	Ice	
<b>Piers/Bents</b>							
(Type : )							
(Total Number of Caps/Corbels : )							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
<b>Last</b>							
<b>Now</b>							
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)			
<b>Last</b>							
<b>Now</b>							
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			Old piles.
<b>Substructure General Rating</b>		<b>7</b>	<b>5</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				
(D/S Direction : <b>E</b> )				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		7	6	
(Type : <b>GRAVEL; GRAVEL</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>7</b>	<b>6</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS							
PATCH DECK	2012	RegROUT connector / lift pockets.					
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	2012	Replace tin cap SW wing pile & replace top plank.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>61.1/50.0</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>75.9/61.5</b>	Est. Repl. Yr	2037	Maint. Req. (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	Dave Lam		Previous Assistant's Name				
Next Inspection Date	16-May-2015		Previous Inspection Date	14-Sep-2005			
Inspection Cycle (Default) (months)	39						
Comment							