

Bridge Inspection											
Bridge File Number	72403 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1975/1975				Lot No.	4					
Bridge or Town Name	DEBOLT				Inspector Name	Russel Vanderschaaf					
Located Over	TRIBUTARY TO DEBOLT CREEK, 8.10.58.17.2.1.1.1, WATERCRS-ST				Inspector Class	BR CLS B					
Located On	736:02 C1 4.395				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	16-Sep-2010					
Legal Land Location	NW SEC 24 TWP 72 RGE 1 W6M				Data Entry By	Theresa Lacusta					
Longitude, Latitude	-118:01:33, 55:15:11				Data Entry Date	05-Oct-2010					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer					
Contract Main. Area	CMA05				Review Date	29-Sep-2010					
Clear Roadway/Skew	8.8 /				Dept. Reviewer Name	Steve Pasquan					
AADT/Year	140 / 2009 (A)				Dept. Review Date	18-Nov-2010					
Road Classification	RCU-209-110				Follow-Up By						
Detour Length (km)	12										
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	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									
Hazard Marker At Bridge (Y/N)		Yes							
Remarks		Not attached to rail, too low @ NW.							
Other Sign Types									

Utilities (Located at)										
Utility Attachments										
Telephone	WEST SIDE				Gas					
Power	2 WIRE 15 M EAST OF C/L				Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			8	8	Insuf. posts.				
Vertical Alignment			7	7					
Roadway Width (m)			8.400						
Approach Bump			7	7					
Guardrail (Y/N)			Yes						
Guardrail			8	8					
Length (m)			15.200						
Current Standard (Y/N)			No						
Termination Type			TURNED DOWN ENDS						
Drainage			7	7					

Approach Road				
		Last	Now	Explanation of Condition
<b>Approach Road General Rating</b>		7	7	
Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : <b>VS, 1 Spans, Lengths(m): 6.1, A-Ident Number: )</b>				
Special Features				
Special Feature			X	
(Type : )				
Special Feature			X	
(Type : )				
Wearing Surface/Deck Top Detail Ratings				
	N (%)	1 (%)	2 (%)	3 (%)
<b>Last</b>				
<b>Now</b>				
Wearing Surface		4	6	
(Material Type : <b>ACP</b> )				
(Thickness(mm) : <b>170</b> )				
Lateral Connection Problem (Y/N)				
Deck Top		N	N	
Deck Rideability		7	7	
Deck Joints		N	N	Paved over.
Bump (Y/N)		No		
Deck Drainage		7	7	
Drains Clogged (Y/N)		No		
Curbs/Median		7	6	Corner spalls and lift connector pockets not grouted.
(Curb Type : <b>Standard</b> )				
Scaling (Percent Area)		1		
Bridge Rail		7	7	
(Type : <b>THRIE BEAM</b> )				
Bridge Rail Posts		7	7	
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )				
Bridge Rail/Posts Coating		7	7	
(Type : )				
Sidewalk		X	X	
Girder Detail Ratings				
	N (count)	1 (count)	2 (count)	3 (count)
<b>Last</b>	8	0	0	0
<b>Now</b>				
Girders		N	8	
Last Complete Inspection Date		16-Sep-2010		
Cracking (Y/N)		No		
Spalling (Percent Area)		0		
Lift or Connector Pocket Grouted (Y/N)		No		
(Number Of Girders : <b>8</b> )				
Span Alignment Problems				
Vertical (Y/N)		No		
Horizontal (Y/N)		No		

Superstructure						
Bridge Component		Last		Now		Explanation of Condition
(Primary Span : VS, 1 Spans, Lengths(m): 6.1, A-Ident Number: )						
Superstructure General Rating		7		8		
Substructure						
Bridge Component		Last		Now		Explanation of Condition
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 1500)						
Missing top wing plank @ NW (Not affecting fill) No rotten on top (Photo)						
(Total Number of Caps/Corbels : 3:3)						
ABUT 2, CAPS protruding from subcap 45mm and 100mm.						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Bearing Seats/Caps/Corbels				4	4	
(Type : TREATED TIMBER)						
(Depth(mm) : 360)						
(Width(mm) : 300)						
Backwalls/Breastwalls						
Greatest Height (m)				2.65		
Wingwalls						
				4	6	
(Total Number of Bearing Piles : 9:9)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Piles				6	6	
Paint/Coating				X	X	
Abutment Stability				7	7	
Scour/Erosion				N	N	
Pile with scabs. The 5th pile in S. side 30mm vertical crack.FOR LGTH OF PILE OUT OF WATER STEEL PLATES & ANCHORS.						

Substructure							
Bridge Component					Last	Now	Explanation of Condition
<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 : )							
Pier Stability					X	X	
Scour					X	X	
Debris (Y/N)		Yes				Old bridge timbers.	
<b>Substructure General Rating</b>					<b>4</b>	<b>4</b>	

Structure Usage							
					Last	Now	Explanation of Condition
<b>Channel</b>							
(U/S Direction : <b>E</b> )							
(D/S Direction : <b>W</b> )							
Alignment					6	6	
Bank Stability					7	7	
HWM (m below Top of Curb)		1.8				No HWM visible	
Drift (Y/N)		No					
Slope Protection					6	6	
(Type : <b>NATURAL</b> )							
Guidebank/Spurs					X	X	

Structure Usage				
		Last	Now	Explanation of Condition
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>6</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							
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							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>61.1/66.7</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>69.2/72.0</b>	Est. Repl. Yr	2019	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	Eric Carcoux		Previous Assistant's Name				
Next Inspection Date	16-Dec-2013		Previous Inspection Date	27-May-2007			
Inspection Cycle (Default) (months)	39						
Comment							