

Bridge Inspection							
Bridge File Number	76516 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1967/1967			Lot No.	1		
Bridge or Town Name	DEBOLT			Inspector Name	Russel Vanderschaaf		
Located Over	LITTLE PUSKWASKAU RIVER, 8.10.58.12.3, WATERCRS-ST			Inspector Class	BR CLS B		
Located On	676:02 C1 5.458			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	07-Dec-2012		
Legal Land Location	SE SEC 3 TWP 75 RGE 26 W5M			Data Entry By	Theresa Lacusta		
Longitude, Latitude	-117:56:04, 55:27:42			Data Entry Date	10-Feb-2013		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Eric Carcoux		
Contract Main. Area	CMA03			Review Date	23-Jan-2013		
Clear Roadway/Skew	10 /			Dept. Reviewer Name	Steve Pasquan		
AADT/Year	120 / 2011 (A)			Dept. Review Date	01-Mar-2013		
Road Classification	RLU-209G-90			Follow-Up By			
Detour Length (km)	11						
Allowable Load (t):	Single	CS1 30 GIRDER	Semi	CS2 52 GIRDER	Train	CS3 75 GIRDER	----> On Critical Spans ---->Critical Member
Design Loading:	HS20						----> 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		Too low, NE & NW missing.						
Other Sign Types								

Utilities (Located at)				
Utility Attachments				
Telephone	NORTH R/W		Gas	900M WEST
Power	SOUTH R/W, SINGLE WIRE		Municipal	
Others			Problem (Y/N)	No
Remarks				

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Driveway 40m west.
Vertical Alignment		7	7	
Roadway Width (m)	11.800			Insufficient length. Required additional posts next to bridge. Snow covered.
Approach Bump		7	7	
Guardrail (Y/N)	Yes			
Guardrail		5	N	
Length (m)	11.400			
Current Standard (Y/N)	No			
Termination Type	TURND DOWN ENDS			
Drainage		7	7	
Approach Road General Rating		7	7	

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : HC, 3 Spans, Lengths(m): 8.5-8.5-8.5, A-Ident Number:)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)	Snow coveredq	
Last	90	0	0	0		
Now	100.0					
Wearing Surface			X	X		
(Material Type :)						
(Thickness(mm) :)						
Lateral Connection Problem (Y/N)						
Deck Top			4	N	100x50 spall at S2G10 & 11 (16-Sep-2010) Snow covered	
Deck Rideability			6	6		
Deck Joints			N	N	50%, of buffers missing 30% grouted.-28-May-2007	
Bump (Y/N)		No				
Deck Drainage			4	N	Gravel windrows along curbs.-16-Sep-2010	
Drains Clogged (Y/N)		No			Snow covered	
Curbs/Median			4	N	Crack/spall at both ends of S2 G1.-16-Sep-2010	
(Curb Type : Standard)					Snow covered	
Scaling (Percent Area)		5				
Bridge Rail			4	N	1 loose bolt @ NW corner.-16-Sep-2010	
(Type : FLEX BEAM)					Snow covered	
Bridge Rail Posts			7	N		
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating			7	N		
(Type : PAINT)						
Sidewalk			X	X		
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Girders			5	5	S2,G5 spall 1 leg outside AZ,with sound concrete above bar. S3 G1 & G12 med. longit crack in AZ 1 leg, with sound concrete above bar. S1G1 wide crack in 2 legs in AZ with sound concrete above bar.	
Last Complete Inspection Date		07-Dec-2012				
Cracking (Y/N)		Yes				
Spalling (Percent Area)		1				
Lift or Connector Pocket Grouted (Y/N)						
(Number Of Girders : 36)						
Span Alignment Problems						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				
Superstructure General Rating			5	5		

Substructure						
Bridge Component				Last	Now	Explanation of Condition
Abutments						
(Extended Backwall Piles (Y/N) : N)						
(Extended Backwall Piles Spacing(mm) :)						
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels				7	7	
(Type : STEEL)						
(Depth(mm) : 350)						
(Width(mm) : 380)						
Backwalls/Breastwalls				7	7	
Greatest Height (m)		1.85				
Wingwalls				6	6	
(Total Number of Bearing Piles : 9:9)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	7	0	0	0		
Piles				6	6	
Paint/Coating				X	X	
Abutment Stability				5	5	
Scour/Erosion				6	6	
Piers/Bents						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels				7	7	
(Type : STEEL)						
(Depth(mm) : 350)						
(Width(mm) : 380)						
(Total Number of Bearing Piles : 10:10)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now				1		
Pier Shaft/Piles				6	3	
Greatest Height (m)		4.80				
Bracing/Struts/Sheathing				5	5	
Nose Plate				X	X	
Paint/Coating				X	X	
(Colour Description :)						
(Colour Code :)						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		7	7	
Scour		6	6	
Debris (Y/N)	No			
Substructure General Rating		5	3	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		6	6	
Bank Stability		5	5	
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		6	6	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		5	5	

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	2013	Repair loose bolt- carried over from 16-Sep-2010					
OTHER ACTION	2013	Repair hazard markers					
OTHER ACTION	2013	Replace rotten pile P1P7					
OTHER ACTION	2013	Band split piles P4,5,8,+10 Pier 1.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	55.6/44.4	Sufficiency Rating (Last/Now) (%)	65.0/61.3	Est. Repl. Yr	2020	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	Russel Vanderschaaf		Previous Assistant's Name				
Next Inspection Date	07-Mar-2016		Previous Inspection Date	16-Sep-2010			
Inspection Cycle (Default) (months)	39						
Comment							