

Bridge Inspection										
Bridge File Number	76415 -1 Bridge				Form Type	PCS				
Year Built/Year Supstr	1966/1993				Lot No.	2				
Bridge or Town Name	ENILDA				Inspector Name	Russel Vanderschaaf				
Located Over	MUD CREEK, 8.11.80.52, WATERCRS-ST				Inspector Class	BR CLS B				
Located On	2:52 C1 11.837				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	13-Feb-2013				
Legal Land Location	NE SEC 18 TWP 74 RGE 15 W5M				Data Entry By	Theresa Lacusta				
Longitude, Latitude	-116:17:21, 55:24:53				Data Entry Date	10-Apr-2013				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux				
Contract Main. Area	CMA06				Review Date	07-Apr-2013				
Clear Roadway/Skew	11 / -30 deg. (LHF)				Dept. Reviewer Name					
AADT/Year	3,740 / 2012 (A)				Dept. Review Date					
Road Classification	RAU-210-110				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:	CS750						----> 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)	No								
Remarks	Not req'd								
Other Sign Types									

Utilities (Located at)										
Utility Attachments										
Telephone	South r/w				Gas					
Power	6 wires North r/w.				Municipal					
Others	Fiber optic supernet North r/w.				Problem (Y/N)	No				
Remarks										

Approach Road									
			<b>Last</b>	<b>Now</b>	<b>Explanation of Condition</b>				
Horizontal Alignment			7	7	On gentle horiz. curve.				
Vertical Alignment			8	8					
Roadway Width (m)	10.000				Approaches recently patched.				
Approach Bump			6	6					
Guardrail (Y/N)	Yes				NW-(SW-NE-42m SE-25m Minor dents/scrapes throughout.)-26-Oct-2011				
Guardrail Length (m)	19.000		6	N					
Current Standard (Y/N)	No								
Termination Type	Turned Down				Snow covered				
Drainage			7	7					
<b>Approach Road General Rating</b>			<b>7</b>	<b>7</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>SC, 1 Spans, Lengths(m): 6.1, 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 covered
<b>Last</b>					
<b>Now</b>	99.0				
Wearing Surface			4	4	1m2 ACP missing from North shoulder - Not a wheel trap.-26-Oct-2011 3mlongx0.1wide loss of ACP @ girder line at South shoulder.Possible @ G1/G2 connection based on deteriorated ACP.-11-Mar-2011 Snow covered
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)	Yes				
Deck Top			N	N	
Deck Rideability			6	6	
Deck Joints			N	N	Paved over. Recent patches at approaches. Buffer angle
Bump (Y/N)		No			
Deck Drainage			6	6	No deck drains.
Drains Clogged (Y/N)					
Curbs/Median			4	N	Severed scaling inside of North curb face.-26-Oct-2011 Snow covered
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		20			
Bridge Rail			7	7	Snow covered
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts		7	N		
(Type : <b>GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			5	N	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
<b>Girder Detail Ratings</b>					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>					
Girders			5	5	Hairline longitudinal cracks on girders. Longitudinal crack on lower curb fascia. Small chip on corner of G11 @ E end. Water staining on underside of most girders indicates no waterproofing membrane. Lift pockets filled with tar.-photo All girders except G11 rated 7. Connector pockets not visible. Void forms are open at ends of curb girders, TR. Paved over.
Last Complete Inspection Date		26-Oct-2011			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		No			
(Number Of Girders : <b>11</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>5</b>	<b>5</b>	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 2000)						
(Total Number of Caps/Corbels : 7:5)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>				Cored in 2011 not rot		
<b>Now</b>						
Bearing Seats/Caps/Corbels				6	6	
(Type : TREATED TIMBER)						
(Depth(mm) : 350)						
(Width(mm) : 300)						
Backwalls/Breastwalls				5	5	
Greatest Height (m)		2.90				
Wingwalls				5	5	
(Total Number of Bearing Piles : 8:8)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>				2		
<b>Now</b>				2		
Piles				3	3	
Paint/Coating				X	X	
Abutment Stability				6	6	
Scour/Erosion				6	6	
<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				7	7	
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			None seen
<b>Substructure General Rating</b>		<b>3</b>	<b>3</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>S</b> )				
(D/S Direction : <b>N</b> )				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Yes			
Slope Protection		5	5	
(Type : <b>NATURAL</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>7</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	2013	Block of void forms at ends of girders.-carried over 26-Oct-2011					
OTHER ACTION	2013	Repair rotten piles.					
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>44.4/44.4</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>56.9/57.0</b>	Est. Repl. Yr	2042	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor pile conditions. Monitor ACP condition.		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	Shane Hall		Previous Assistant's Name				
Next Inspection Date	13-Nov-2014		Previous Inspection Date	26-Oct-2011			
Inspection Cycle (Default) (months)	21						
Comment							