

Bridge Inspection									
Bridge File Number	71442 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1961/1961				Lot No.	1			
Bridge or Town Name	DIXONVILLE				Inspector Name	Brian Pientsch			
Located Over	BEATON CREEK, 8.10.48.5, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	689:02 C1 5.513				Assistant Name	Clem Guenette			
Water Body Cl./Year					Assistant Class	BR CLS B			
Navigabil. Cl./Year					Inspection Date	19-Mar-2013			
Legal Land Location	SE SEC 16 TWP 87 RGE 25 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-117:54:39, 56:32:15				Data Entry Date	09-Apr-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA04				Review Date	03-Apr-2013			
Clear Roadway/Skew	9.1 /				Dept. Reviewer Name				
AADT/Year	220 / 2012 (A)				Dept. Review Date				
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	6								
Allowable Load (t):	Single	CS1 28 GIRDER	Semi	CS2 49 GIRDER	Train	CS3 67 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	Spring mounted, NW sign knocked over.								
Other Sign Types									
Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone	South r/w attached to South curb girder.				Gas				
Power	2 wire OH power in N r/w.				Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	75m West of 15 intersection.				
Vertical Alignment			7	7					
Roadway Width (m)	10.000				Settlement @ East approach.				
Approach Bump			4	5					
Guardrail (Y/N)	Yes								
Guardrail			7	7					
Length (m)	22.800				Not thrie beam.				
Current Standard (Y/N)	No								
Termination Type	TURN DOWN								
Drainage			4	7					
<b>Approach Road General Rating</b>			<b>7</b>	<b>7</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : HH, 1 Spans, Lengths(m): 8.5, A-Ident Number: )					
<b>Special Features</b>					
Special Feature			X		
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>					
<b>Now</b>	20.0				
Wearing Surface			4	N	DOESN'T EXTEND TO THE CURBS.-21-Oct-2009 Snow covered @ curbs - could not confirm.
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	ACP covered.
Deck Rideability			6	7	
Deck Joints			N	N	Paved.
Bump (Y/N)		Yes			
Deck Drainage			6	7	
Drains Clogged (Y/N)		No			
Curbs/Median			4	2	
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		1			
Bridge Rail			7	7	SINGLE LAYER FLEXBEAM
(Type : <b>GALVANIZED STEEL FLEX BEAM</b> )					
Bridge Rail Posts			4	5	
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			4	5	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
<b>Girder Detail Ratings</b>					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	9				
<b>Now</b>	5				
Girders			N	4	SOME CONCRETE POPPING OUT NEAR DOWELS IN BEARING DISPHRAGM SMALL CRACK IN G4 CENTER SPALL IN G1 CENTER (PHOTO)  G1 not bearing on cap. G3 wide crack one leg in AZ.
Last Complete Inspection Date					
Cracking (Y/N)		Yes			
Spalling (Percent Area)		2			
Lift or Connector Pocket Grouted (Y/N)					
(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>4</b>	<b>4</b>	

Substructure									
Bridge Component				Last	Now	Explanation of Condition			
<b>Abutments</b>									
(Extended Backwall Piles (Y/N) : <b>N</b> )				Water 0.9m below bottom of girders.-21-Oct-2009					
(Extended Backwall Piles Spacing(mm) : )				East cap is bowing in towards the channel.-photo 08/08/21					
				(E. CAP IS BOWING IN TOWARDS THE CHANNEL (PHOTO) 00/08/21)					
(Total Number of Caps/Corbels : <b>3:3</b> )				Only 2/3 of caps viewed. Rot found in Eas abut cap. Cap not bearing on pile A2P1- from file info and would be rated "3". Could nor confirm in field.					
Bearing Seats/Caps/Corbels Detail Ratings									
	N (count)	1 (count)	2 (count)				3 (count)		
<b>Last</b>	4								
<b>Now</b>	1								
Bearing Seats/Caps/Corbels							N	N	
(Type : <b>TREATED TIMBER</b> )									
(Depth(mm) : <b>305</b> )									
(Width(mm) : <b>305</b> )									
Backwalls/Breastwalls							N	5	
Greatest Height (m)		2.60							
Wingwalls				4	4	Some heaving of wing piles at all corners.			
(Total Number of Bearing Piles : <b>8:8</b> )				Cant view all only 5/8. (Rot in A1P8, A2P6; beginning of rot in A2P1,5,8 not able to confirm in fiels and info is from files. Pile rating could be "3".					
Piles Detail Ratings									
	N (count)	1 (count)	2 (count)				3 (count)		
<b>Last</b>	1								
<b>Now</b>	6	0	0						
Piles							N	N	
Paint/Coating							X	X	
Abutment Stability							5	4	Cap not bearing on piles 1 to 6 at both abutments.
Scour/Erosion							N	N	
<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				N	4	Bowed and some broken struts.			
Nose Plate				X	X				

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Paint/Coating		X	X	
(Colour Description : )				
(Colour Code : )				
Pier Stability		X	X	
Scour		X	X	Drift caught in struts from girders 7 to 11.
Debris (Y/N)	Yes			
<b>Substructure General Rating</b>		<b>5</b>	<b>4</b>	Available file info suggests ~ GR =3
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>N</b> )				
(D/S Direction : <b>S</b> )				
Alignment		7	7	
Bank Stability		7	8	
HWM (m below Top of Curb)	1,100.0			Drift on strut.
Drift (Y/N)	Yes			Drift below girders 7 to 11. Snow covered.
Slope Protection		6	N	
(Type : <b>NATURAL; NATURAL</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		4	7	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>4</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	2013	Extend asphalt to curb, unable to confirm.					
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	2013	Remove drift under girders 7 - 11.					
INSTALL STRUTS	2013	Reinstall damaged members.					
OTHER ACTION	2014	Replace bridge as per 2013 Assessment.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>50.0/44.4</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>61.0/62.9</b>	Est. Repl. Yr	2014	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	Shane Hall		Previous Assistant's Name				
Next Inspection Date	19-Jun-2016		Previous Inspection Date	18-Jul-2012			
Inspection Cycle (Default) (months)	39						
Comment							