

Bridge Inspection							
Bridge File Number	13892 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1969/1969			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 16.590			Assistant Name	Clem Guenette		
Water Body Cl./Year				Assistant Class	BR CLS B		
Navigabil. Cl./Year				Inspection Date	19-Mar-2013		
Legal Land Location	SW SEC 16 TWP 87 RGE 24 W5M			Data Entry By	Theresa Lacusta		
Longitude, Latitude	-117:46:19, 56:32:14			Data Entry Date	13-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 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	Spring mounted.						
Other Sign Types							

Utilities (Located at)							
Utility Attachments							
Telephone					Gas		
Power	2 wire OH South r/w.				Municipal		
Others					Problem (Y/N)	No	
Remarks							

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	APPROACH NE OF GUARDRAIL Hill to the East
Vertical Alignment		7	7	
Roadway Width (m)	9.000			Not thrie beam
Approach Bump		7	7	
Guardrail (Y/N)	Yes			
Guardrail		7	7	
Length (m)	22.800			
Current Standard (Y/N)	No			
Termination Type	TURNDOWN 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 (%)	
Last					
Now	10.0				
Wearing Surface			4	N	PATCHED. ACP NOT EXTENDING TO CURB, possible wheel trap. -21-Oct-2009 Snow covered @ curbs, unable to confirm. Cracking along girder lines.
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		Yes			
Deck Top			3	N	Concrete deterioration around connector pockets near North curb.- 21-Oct-2009
Deck Rideability			7	7	
Deck Joints			N	N	Paved over. @ East end.
Bump (Y/N)		Yes			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			4	4	Lift pockets not grouted. -21-Oct-2009 Scaling on exterior of South curb. (10%) Interior North curb.
(Curb Type : Standard)					
Scaling (Percent Area)		2			
Bridge Rail			7	7	5% insufficient threads.
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			4	4	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	1	
Now	0	0	1	0	
Girders			3	2	8 girders have wide cracking in the AZ of both legs. (GIRDERS CENTRE SECTION HAVE SPALLS in AZ.) (Connector pockets between curb girders & first interior girders not grouted.-21-Oct-2009) S3, G5 has narrow shear cracks in one leg. S2G10 - 2 legs have spalls in AZ with broken stirrup.
Last Complete Inspection Date		19-Mar-2013			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		10			
Lift or Connector Pocket Grouted (Y/N)		No			
(Number Of Girders : 33)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			3	2	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 2000)						
(Total Number of Caps/Corbels : 3:3)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels			7	6	Subcap 300mmx300mm	
(Type : TREATED TIMBER)						
(Depth(mm) : 350)						
(Width(mm) : 300)						
Backwalls/Breastwalls			7	7		
Greatest Height (m)		1.40				
Wingwalls			6	6		
(Total Number of Bearing Piles : 7:7)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Piles			6	6		
Paint/Coating			X	X		
Abutment Stability			7	7		
Scour/Erosion			7	7		
Piers/Bents						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 3:3)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels			7	6	Subcap is 300x300mm	
(Type : TREATED TIMBER)						
(Depth(mm) : 300)						
(Width(mm) : 350)						
(Total Number of Bearing Piles : 9:9)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Pier Shaft/Piles			6	6		
Greatest Height (m)		3.20				
Bracing/Struts/Sheathing			7	7		
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		7	7	
Debris (Y/N)	Yes			Old piles beneath bridge.
Substructure General Rating		6	6	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				45 DEGREE BEND TO THE SOUTH
(D/S Direction : N)				
Alignment		6	6	
Bank Stability		8	8	
HWM (m below Top of Curb)				HWM NOT VISIBLE
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		6	6	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS							
PATCH DECK	2013	Patch around connector pockets.-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							
INSTALL STRUTS							
OTHER ACTION	2013	Extend asphalt to curb.-unable to confirm					
OTHER ACTION	2013	Assessment					
OTHER ACTION	2013	Reduce inspection cycle to 21 months.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	50.0/44.4	Sufficiency Rating (Last/Now) (%)	68.1/65.7	Est. Repl. Yr	2018	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Low Rating Advisory sent on 01-Apr-2013 to Alan Saunders and David Morriuson by email.		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	19-Jun-2016		Previous Inspection Date	21-Oct-2009			
Inspection Cycle (Default) (months)	39						
Comment							