

Bridge Inspection							
Bridge File Number	13891 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1958/1958			Lot No.	2		
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 15.643			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 17 TWP 87 RGE 24 W5M			Data Entry By	Theresa Lacusta		
Longitude, Latitude	-117:47:14, 56:32:14			Data Entry Date	10-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 29 GIRDER	Semi	CS2 52 GIRDER	Train	CS3 74 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 UTILITIES-PHONE LINE		
Telephone			Gas
Power	2 wire O/H in North r/w.		Municipal
Others			Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Shortened Guardrail on E. side to accommodate approaches.
Vertical Alignment		8	8	
Roadway Width (m)	9.700			
Approach Bump		8	7	
Guardrail (Y/N)	Yes			
Guardrail		5	5	
Length (m)	8.000			
Current Standard (Y/N)	No			
Termination Type	TURNED DOWN ENDS			
Drainage		7	7	
Approach Road General Rating		7	7	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PGO, 2 Spans, Lengths(m): 8.5-8.5, A-Ident Number:)					
Special Features					
Special Feature		7	7		
(Type : UNDERSLUNG DIAPHR)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last					
Now	25.0				
Wearing Surface		4	N	ACP does not extend to curbs creating wheel trap (photo)-21-Oct-2009	
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No		Snow covered @ curbs-could not confirm	
Deck Top		N	N		
Deck Rideability		6	7		
Deck Joints		N	N	Paved over.	
Bump (Y/N)		No			
Deck Drainage		7	7		
Drains Clogged (Y/N)		No			
Curbs/Median		6	6		
(Curb Type : Standard)					
Scaling (Percent Area)		1			
Bridge Rail		5	5	SINGLE FLEXBEAM, 2 missing bolts @ splice.	
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts		4	4	Insufficient threads. (20%) 3 posts not bolted to rail.	
(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					
Now					
Girders		4	4	SOME POP-OUTS ON LEGS FROM OVER TIGHTENED STIRRUPS OF DISTRIBUTION BEAMS	
Last Complete Inspection Date		19-Mar-2013		2 girders have wide cracking in the AZ of both legs Span 2, girder's 8	
Cracking (Y/N)		Yes		S1G2 - spall one leg ~ 1 exposed rebar not in AZ.	
Spalling (Percent Area)		2		S2 G8 has spalling in anchorage zone.	
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 22)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating		4	4		

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 : 5:5)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels				7	6	
(Type : TREATED TIMBER)						
(Depth(mm) : 300)						
(Width(mm) : 300)						
Backwalls/Breastwalls				7	6	
Greatest Height (m)		2.30				
Wingwalls				6	6	Only 75% visible
(Total Number of Bearing Piles : 8:8)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Piles				6	6	
Paint/Coating				X	X	
Abutment Stability				6	6	
Scour/Erosion				6	6	
Piers/Bents						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 5)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels				6	6	300 x 300 subcap
(Type : TREATED TIMBER)						
(Depth(mm) : 300)						
(Width(mm) : 350)						
(Total Number of Bearing Piles : 8)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Pier Shaft/Piles				6	5	
Greatest Height (m)		2.50				
Bracing/Struts/Sheathing				7	7	
Nose Plate				7	7	
Paint/Coating				X	X	
(Colour Description :)						
(Colour Code :)						
Pier Stability				6	6	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		6	6	
Debris (Y/N)	Yes			Old piles and small debris.
Substructure General Rating		6	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM NOT VISIBLE
Drift (Y/N)	Yes			
Slope Protection		7	N	Snow covered.
(Type :)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	7	

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 curbs.-(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	Bolt rail to post on bridge (3 locations)					
OTHER ACTION	2013	Install 2 missing bolts @ rail splice.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	55.6/50.0	Sufficiency Rating (Last/Now) (%)	69.9/68.1	Est. Repl. Yr	2018	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	Eric Carcoux		Previous Assistant's Name				
Next Inspection Date	19-Jun-2016		Previous Inspection Date	21-Oct-2009			
Inspection Cycle (Default) (months)	39						
Comment							