

Bridge Inspection									
Bridge File Number	73011 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1955/1994				Lot No.	2			
Bridge or Town Name	DONNELLY				Inspector Name	Brian Pientsch			
Located Over	2ND ORDER TRIBUTARY TO LALBY CK, 8.10.58.3.4.2.1, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	2:58 C1 13.264				Assistant Name	Clem Guenette			
Water Body Cl./Year					Assistant Class	BR CLS B			
Navigabil. Cl./Year					Inspection Date	27-Nov-2012			
Legal Land Location	SW SEC 18 TWP 79 RGE 20 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-117:07:59, 55:50:32				Data Entry Date	20-Jan-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA03				Review Date	09-Jan-2013			
Clear Roadway/Skew	14 /				Dept. Reviewer Name	David Morrison			
AADT/Year	2,150 / 2011 (A)				Dept. Review Date	18-Mar-2013			
Road Classification	RAU-213.4-120				Follow-Up By				
Detour Length (km)	300								
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	NB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	SB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Remarks	Not required.								

Hazard Marker At Bridge (Y/N)	No								
Remarks	Not required.								
Other Sign Types									

Utilities (Located at)									
Utility Attachments									
Telephone	East ditch.				Gas	150m South.			
Power	5 wires West r/w. Underground power crosses hwy 24m South.				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Residential approach 100m SE & NW.				
Vertical Alignment			9	9					
Roadway Width (m)	12.800								
Approach Bump			7	7					
Guardrail (Y/N)	Yes				Insufficient length. 1 split SE. Snow covered.				
Guardrail			N	7					
Length (m)	41.800								
Current Standard (Y/N)	No								
Termination Type	Turned Down								
Drainage			8	8					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SC, 1 Spans, Lengths(m): 6.1, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	0	0	0	0	
Now					
Wearing Surface			5	5	Cracks at abutment joints. Crack in asphalt, 1.5m South of A1. (Noted differential girder movement at c/l when loaded. Longitudinal cracks on girder edges,
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		Yes			
Deck Top			N	N	
Deck Rideability			6	7	
Deck Joints			N	N	
Bump (Y/N)		Yes			
Deck Drainage			7	7	No drains.
Drains Clogged (Y/N)		No			
Curbs/Median			N	5	Hairline cracks on fascia.
(Curb Type : Standard)					
Scaling (Percent Area)		1			
Bridge Rail			7	7	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			7	7	
(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	0	
Now					
Girders			6	6	20mm dia rust spot South end G7 likely from tie wire dropped in form. Both curb girders have narrow vertical cracks on outside approx 500mm o/c - photo. (Curb lifting pockets filled with tar. July 29, 2009)
Last Complete Inspection Date		27-Nov-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		No			
(Number Of Girders : 13)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			6	6	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 1500)						
(Total Number of Caps/Corbels : 3:3)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now						
Bearing Seats/Caps/Corbels				7	7	
(Type : TREATED TIMBER)						
(Depth(mm) : 350)						
(Width(mm) : 300)						
Backwalls/Breastwalls				5	7	
Greatest Height (m)		2.20				
Wingwalls				N	N	
(SE corner, cleat pulled back off exterior pile 330mm. Stream side sheeting coming off - photo. July 29, 2009) Snow covered.						
(Total Number of Bearing Piles : 11:11)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now						
Piles				5	5	
Paint/Coating				X	X	
Abutment Stability				4	5	
Scour/Erosion				5	5	
Piers/Bents						
(Type :)						
(Total Number of Caps/Corbels :)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
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)		
Last						
Now						
Pier Shaft/Piles				X	X	
Greatest Height (m)						
Bracing/Struts/Sheathing				X	X	
Nose Plate				X	X	
Paint/Coating				X	X	
(Colour Description :)						
(Colour Code :)						
Old piles not an issue.						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	Yes			A few old boards sticking up out of channel. Old piles.
Substructure General Rating		5	8	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				
(D/S Direction : W)				
Alignment		8	8	
Bank Stability		8	8	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection (Type : RIP RAP; RIP RAP)		N	N	(5 long x 2 wide x 1m deep scour hole U/S. JULY 29, 2009) Under snow.
Guidebank/Spurs		X	X	
Adequacy of Opening		5	5	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		4	4	GR carried forward.

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS	2013	Seal cracks in curb girder.					
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	2013	(Repair scour hole D/S. July 29,2009)					
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION							
OTHER ACTION	2013	Replace with culvert in 2019					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	61.1/77.8	Sufficiency Rating (Last/Now) (%)	57.1/63.8	Est. Repl. Yr	2019	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Couldn't confirm if the above one item was completed due to snow cover. Assessment completed in 2009.		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	Brian Pientsch		Previous Assistant's Name	Lisbeth Medina			
Next Inspection Date	27-Aug-2014		Previous Inspection Date	26-Jan-2011			
Inspection Cycle (Default) (months)	21						
Comment							