

Bridge Inspection									
Bridge File Number	74652 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1975/1975				Lot No.	1			
Bridge or Town Name	DONNELLY				Inspector Name	Brian Pientsch			
Located Over	TRIBUTARY TO PEAVINE CREEK, 8.10.58.7.4.2, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	49:10 C1 6.465				Assistant Name	Clem Guenette			
Water Body Cl./Year					Assistant Class	BR CLS B			
Navigabil. Cl./Year					Inspection Date	13-Dec-2012			
Legal Land Location	SW SEC 13 TWP 77 RGE 21 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-117:07:53, 55:39:55				Data Entry Date	24-Jan-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA03				Review Date	09-Jan-2013			
Clear Roadway/Skew	13.7 /				Dept. Reviewer Name	David Morrison			
AADT/Year	1,830 / 2011 (A)				Dept. Review Date	18-Mar-2013			
Road Classification	RAU-213.4-120				Follow-Up By				
Detour Length (km)	80								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	HS25						----> 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									
Hazard Marker At Bridge (Y/N)			No						
Remarks			Not required.						
Other Sign Types									

Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power	7 wire OH East r/w				Municipal				
Others					Problem (Y/N)	No			
Remarks	Power X - Hwy 40m South								

Approach Road									
			<b>Last</b>	<b>Now</b>	<b>Explanation of Condition</b>				
Horizontal Alignment			6	6	Local road approaches immediately south of bridge.				
Vertical Alignment			8	8					
Roadway Width (m)	13.100				Snow Covered. New in 2012  SE rail heat bent to form curve. turn down & energy absorbing terminal.				
Approach Bump			6	9					
Guardrail (Y/N)	Yes								
Guardrail			N	9					
Length (m)	13.400								
Current Standard (Y/N)	Yes								
Termination Type	Turned down & energy absorbing								
Drainage			7	7					
<b>Approach Road General Rating</b>			<b>6</b>	<b>6</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : VS, 1 Spans, Lengths(m): 10.7, 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 (%)	Partly snow covered.
<b>Last</b>	20	0	0	0	
<b>Now</b>	70.0				
Wearing Surface			6	9	New ACP 2012.
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>125</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			6	8	
Deck Joints			X	X	
Bump (Y/N)		No			
Deck Drainage			N	N	No drains Snow covered.
Drains Clogged (Y/N)		No			
Curbs/Median			N	N	(Minor chipping at NW curb end. LIFTING POCKETS FILLED WITH TAR. Corrosion staining SW corner @ bridgerail post.Narrow cracking @ stain. 30-Apr-09) Snow covered.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		1			
Bridge Rail			N	9	
(Type : <b>GALVANIZED STEEL FLEX BEAM</b> )					
Bridge Rail Posts			N	9	
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			N	9	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	2	
<b>Now</b>				2	
Girders			3	3	G6 -2 spall & med crack longitudinal w/ stains. (photo). G7-Med longitudinal cracks w/stains. (photo).-spall G1-hairline long crack G2, G3,G8,G12 G9-spall @ AZ due to garbage plate falling in form during casting. G11 rust stained spall. Filled with tar.
Last Complete Inspection Date		13-Dec-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		1			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : 12)					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No		Alignment with highway skewed approx 3 degrees.-19-Jan-2011- Could not confirm.	
Horizontal (Y/N)		Yes			
<b>Superstructure General Rating</b>			<b>3</b>	<b>3</b>	

Substructure						
Bridge Component				Last	Now	Explanation of Condition
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : Y)						New H-piles @ East wingwalls.
(Extended Backwall Piles Spacing(mm) : 1100)						
(Total Number of Caps/Corbels : 3:3)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		A1 subcap has a 400mm section broken of east side at top (construc. damage)
<b>Last</b>	0	0	0	0		
<b>Now</b>						
Bearing Seats/Caps/Corbels				7	7	
(Type : TREATED TIMBER)						
(Depth(mm) : 300)						
(Width(mm) : 350)						
Backwalls/Breastwalls				4	5	Both back walls have top planks rolling. Abut 1 backwall being pushed out 175mm.
Greatest Height (m)		2.50				
Wingwalls				4	4	WING & EXTENDED PILE NOT TIED BACK TO ANCHOR SW WING LEANING TOWARDS STREAM 175mm gap.
(Total Number of Bearing Piles : 13:13)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		A1P3 cracked & possible rot (photo), hollow spot A2P4 170 mm x 160mm splinter (photo). A1P10 split & banded.
<b>Last</b>	0	0	0	2		
<b>Now</b>				2		
Piles				3	3	
Paint/Coating				X	X	
Abutment Stability				5	5	
Scour/Erosion				7	7	
<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				X	X	
Nose Plate				X	X	
Paint/Coating				X	X	
(Colour Description : )						
(Colour Code : )						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
<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>E</b> )				
(D/S Direction : <b>W</b> )				
Alignment		8	8	
Bank Stability		5	N	(Scour hole d/s of rock protection(10m x 10m) 30-Apr-2009) Snow covered
HWM (m below Top of Curb)	1.7			Grass caught on pile.
Drift (Y/N)	No			(Water @ bottom of girders during run off discussion w/ nearby landowner.
Slope Protection (Type : <b>RIP RAP</b> )		N	N	6m(L) x 4m(W) x 1.5m(D) scour along edge of rock NE wingwall. Bank scour just d/s of bridge scour close to wingwall SW corner. 30-Apr-2009) (Large scour hole immediately u/s of girder. (8m x8m) unknown depth. 30-apr-09) Snow covered
Guidebank/Spurs		X	X	
Adequacy of Opening		4	4	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>4</b>	<b>4</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	2013	Core and check for rot in A1P3-Level 2 inspection					
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2013	Band A2P4.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>33.3/33.3</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>44.9/47.3</b>	Est. Repl. Yr	2015	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor girder cracks. Monitor backwalls on both abutments and SW wingwall. Monitor erosion u/s-d/s & @ wingwalls.-19-Jan-2011		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	Russel Vanderschaaf		Previous Assistant's Name				
Next Inspection Date	13-Sep-2014		Previous Inspection Date	19-Jan-2011			
Inspection Cycle (Default) (months)	21						
Comment							