

Bridge Inspection											
Bridge File Number	72743 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1964/1964				Lot No.	1					
Bridge or Town Name	TILLEY				Inspector Name	Tom Carey					
Located Over	EID - IRRIGATION C, WATERCRS-IC				Inspector Class	BR CLS A					
Located On	535:02 C1 13.810				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	16-Feb-2010					
Legal Land Location	SW SEC 2 TWP 17 RGE 13 W4M				Data Entry By	Kelsey Roberts					
Longitude, Latitude	-111:41:39, 50:23:51				Data Entry Date	03-Mar-2010					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts					
Contract Main. Area	CMA23				Review Date	23-Feb-2010					
Clear Roadway/Skew	8.4 /				Dept. Reviewer Name	Lorenz Bohnert					
AADT/Year	230 / 2008 (A)				Dept. Review Date	08-Mar-2010					
Road Classification	RCU-209-110				Follow-Up By						
Detour Length (km)	3										
Allowable Load (t):	Single	CS1 28 GIRDER			Semi	CS2 49 GIRDER			Train	CS3 65 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	Not req.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types									

Utilities (Located at)										
Utility Attachments										
Telephone					Gas					
Power	1 WIRE N DITCH				Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			9	9	W/B lane settled 25mm @ both sides				
Vertical Alignment			9	9					
Roadway Width (m)	8.400				S.W. guardrail is type 6 @ 5m long Not thriebeam				
Approach Bump			5	4					
Guardrail (Y/N)	Yes								
Guardrail			7	7					
Length (m)	11.400								
Current Standard (Y/N)	No								
Termination Type	TURNDOWN								
Drainage			5	5					
<b>Approach Road General Rating</b>			<b>9</b>	<b>9</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>HC, 1 Spans, Lengths(m): 6.1, A-Ident Number: )</b>					
<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>	0	0	0	0	
<b>Now</b>	0.0	0.0	0.0	0.0	
Wearing Surface			6	6	Cracked @ abutments
(Material Type : <b>ACP</b> )					
(Thickness (mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	
Bump (Y/N)					
Deck Drainage			6	6	
Drains Clogged (Y/N)		No			
Curbs/Median			6	6	Some plow damage- minor
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			6	6	Double layer  SOME PITTING AND RUST. Paint on posts Rail galvanized
(Type : <b>GALVANIZED STEEL FLEX BEAM</b> )					
Bridge Rail Posts			6	6	
(Type : <b>POST STEEL;POST STEEL</b> )					
Bridge Rail/Posts Coating			4	4	
(Type : <b>PAINT</b> )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0			1	
<b>Now</b>	0	0	0	2	
Girders			3	3	5 girders wide cracks or spalls in AZ, 2 of which have spalls or cracks with unsound concrete in both webs.
Last Complete Inspection Date		16-Feb-2010			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		2			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : <b>10</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<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)						
(Extended Backwall Piles Spacing (mm) : 1400)						
Pile 6 @ W abutment, split						
(Total Number of Caps/Corbels : 3:3)						
Cap repaired						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	0		1			
<b>Now</b>	0	0	0	0		
Bearing Seats/Caps/Corbels				2	7	
(Type : TREATED TIMBER)						
(Depth (mm) : 300)						
(Width (mm) : 300)						
Backwalls/Breastwalls				6	6	
Greatest Height (m)		2.50				
Wingwalls				6	6	
(Total Number of Bearing Piles : 7:7)						
Piles have been concreted just up from water line. P6 @A1- 12m split.						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	0	0	0	0		
<b>Now</b>	0	0	0	0		
Piles				4	4	
Paint/Coating				X	X	
Abutment Stability				7	7	
Scour/Erosion				6	N	
Ice						
<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>	0	0	0	0		
<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>	0	0	0	0		
<b>Now</b>						
Pier Shaft/Piles				X	X	
Greatest Height (m)						
Bracing/Struts/Sheathing				6	6	
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>2</b>	<b>4</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>N</b> )				Secondary channel meets main channel @ u/s end 5m from bridge (Vertical walls, ingrown)
(D/S Direction : <b>S</b> )				
Alignment		6	6	
Bank Stability		6	N	
HWM (m below Top of Curb)				
Drift (Y/N)	No			
Slope Protection (Type : )		6	N	Snow
Guidebank/Spurs		X	X	
Adequacy of Opening		6	7	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>6</b>	<b>6</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
REPAIR/SEAL CURBS							
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							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2010	Patch A.C.P @ W/B lane at both sides at approaches.					
OTHER ACTION	2010	Band split pile @ P6 @ A1					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>27.8/38.9</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>55.0/59.4</b>	Est. Repl. Yr	2020	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	Tim Davies		Previous Assistant's Name				
Next Inspection Date	16-May-2013		Previous Inspection Date	28-Feb-2007			
Inspection Cycle (Default) (months)	39						
Comment							