

Bridge Inspection										
Bridge File Number	71767 -1 Bridge				Form Type	PCS				
Year Built/Year Supstr	1983/1983				Lot No.	2				
Bridge or Town Name	TOMAHAWK				Inspector Name	Kris Bosters				
Located Over	TRIBUTARY TO TOMAHAWK CREEK, 6.130.2, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	759:04 C1 3.500				Assistant Name	Brian Cote				
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	25-Oct-2012				
Legal Land Location	SW SEC 13 TWP 51 RGE 6 W5M				Data Entry By	Theresa Lacusta				
Longitude, Latitude	-114:45:48, 53:23:54				Data Entry Date	13-Nov-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux				
Contract Main. Area	CMA12				Review Date	04-Nov-2012				
Clear Roadway/Skew	13 /				Dept. Reviewer Name	Brent Herrick				
AADT/Year	1,260 / 2011 (A)				Dept. Review Date	20-Nov-2012				
Road Classification	RCU-209-110				Follow-Up By					
Detour Length (km)	32									
Allowable Load (t):	Single	CS1 28		Semi	CS2 49		Train	CS3 62		----> On Critical Spans ---->Critical Member
Design Loading:	MS23								----> 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)		In Advance (Y/N)		At Bridge (Y/N)
Posted:	Lane	SB	At Junction (Y/N)		In Advance (Y/N)		At Bridge (Y/N)
Remarks							

Hazard Marker At Bridge (Y/N)	Yes						
Remarks	NOt installed to standard.-photo						
Other Sign Types							

Utilities (Located at)			
Utility Attachments	OTHER UTILITIES-OTHER LINES; TELEPHONE UTILITIES-PHONE LINE; POWER UTILITIES-POWER LINE		
Telephone	west r/w		Gas
Power	east-5 wire r/w		Municipal west r/w
Others			Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Bridge within hamlet corporate limit. Max. 50 kph. Long gradual uphill grade to North, limited sight distance. (Pavement overlay in 1994)
Vertical Alignment		5	5	
Roadway Width (m)	13.000			
Approach Bump		7	7	
Guardrail (Y/N)	No			
Guardrail		X	X	
Length (m)				
Current Standard (Y/N)				
Termination Type				
Drainage		7	7	
<b>Approach Road General Rating</b>		<b>5</b>	<b>5</b>	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>SM, 1 Spans, Lengths(m): 6, 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>					
<b>Now</b>					
Wearing Surface			4	4	Does not extend to curbs, 700mm short. 6 wide cracks in ACP on girder.
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)	Yes				
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			N	N	Covered at acp buffer angles not visible. 0.01m bump up to bridge.
Bump (Y/N)	Yes				
Deck Drainage			9	9	
Drains Clogged (Y/N)	No				
Curbs/Median			5	5	Minor damage sw corner scalling on top of e curb due to low min. rebar cover.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)	2				
Bridge Rail			7	7	Double steel tube
(Type : <b>GALVANIZED STEEL TUBE BEAM TYPE 1</b> )					
Bridge Rail Posts			7	7	
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			8	8	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
<b>Girder Detail Ratings</b>					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>					
Girders			5	5	Construction chips on bottom edge of exterior units. Hairline longit. crack in lower curb fascia - length of girder (typical both exterior units).  Connector pocket staining on 50% of connections.
Last Complete Inspection Date	25-Oct-2012				
Cracking (Y/N)	Yes				
Spalling (Percent Area)	0				
Lift or Connector Pocket Grouted (Y/N)	Yes				
(Number Of Girders : <b>12</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)	No				
Horizontal (Y/N)	No				
<b>Superstructure General Rating</b>			<b>5</b>	<b>5</b>	

Substructure						
Bridge Component				Last	Now	Explanation of Condition
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 1800)						
(Total Number of Caps/Corbels : 3:3)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Bearing Seats/Caps/Corbels				6	6	
(Type : TREATED TIMBER)						
(Depth(mm) : 350)						
(Width(mm) : 300)						
Backwalls/Breastwalls				7	7	
Greatest Height (m)		2.60				
Wingwalls				4	4	SE tin top damaged-photo Top plank has splinters.
(Total Number of Bearing Piles : 13:13)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Piles				6	6	
Paint/Coating				X	X	
Abutment Stability				6	6	50% backwall clamps installed too low.
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>6</b>	<b>6</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				
(D/S Direction : <b>E</b> )				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection (Type : <b>RIP RAP; RIP RAP</b> )		8	8	Class II rock under bridge, rock gabian @ West side under bridge.
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>7</b>	<b>7</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							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2012	Reinstall hazard marker to meet std.					
OTHER ACTION	2012	Replace damaged tin top.					
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>61.1/61.1</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>64.9/64.9</b>	Est. Repl. Yr	2033	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	Arnold Assenheimer		Previous Assistant's Name				
Next Inspection Date	25-Jan-2016		Previous Inspection Date	08-Jul-2009			
Inspection Cycle (Default) (months)	39						
Comment							