

Bridge Inspection										
Bridge File Number	71555 -1 Bridge					Form Type	PCS			
Year Built/Year Supstr	1978/1978					Lot No.	1			
Bridge or Town Name	THORHILD					Inspector Name	Todd Warshawski			
Located Over	KENNEDY CREEK, 6.57.3, WATERCRS-ST					Inspector Class	BR CLS B			
Located On	827:02 C1 12.210					Assistant Name				
Water Body Cl./Year						Assistant Class				
Navigabil. Cl./Year						Inspection Date	08-Mar-2010			
Legal Land Location	SW SEC 29 TWP 59 RGE 21 W4M					Data Entry By	Theresa Lacusta			
Longitude, Latitude	-113:07:32, 54:07:40					Data Entry Date	25-Mar-2010			
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Arnold Assenheimer			
Contract Main. Area	CMA07					Review Date	11-Mar-2010			
Clear Roadway/Skew	10.1 /					Dept. Reviewer Name	Brent Herrick			
AADT/Year	790 / 2008 (A)					Dept. Review Date	31-Mar-2010			
Road Classification	RCU-209-110					Follow-Up By				
Detour Length (km)	3									
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)	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)									
Remarks									
Other Sign Types									

Utilities (Located at)										
Utility Attachments										
Telephone					Gas					
Power					Municipal					
Others					Problem (Y/N)					
Remarks										

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		7	7	Field / residence entrance North & South.					
Vertical Alignment		8	8	(Type III connector. Too short. 29/Mar/2005) 3 guide posts NW & SE corners.					
Roadway Width (m)	8.900								
Approach Bump		5	7						
Guardrail (Y/N)	Yes								
Guardrail		N	4	Plow damage SE and SW turndoen ends. Still functional. Strike damage SW rail-still functional.					
Length (m)	45.600								
Current Standard (Y/N)	Yes								
Termination Type	Turned Down								
Drainage		N	7						
<b>Approach Road General Rating</b>		<b>7</b>	<b>7</b>						

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : VS, 1 Spans, Lengths(m): 6.1, 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 (%)	
<b>Last</b>	100				
<b>Now</b>					
Wearing Surface			N	6	
(Material Type : <b>ACP</b> )					
(Thickness (mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	X	
Deck Rideability			7	7	
Deck Joints			N	N	Covered by asphalt.
Bump (Y/N)		No			
Deck Drainage			N	5	No drains
Drains Clogged (Y/N)		Yes			
Curbs/Median			N	6	
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		1			
Bridge Rail			N	8	
(Type : <b>GALVANIZED STEEL W-BEAM</b> )					
Bridge Rail Posts			N	7	
(Type : <b>POST STEEL;POST STEEL</b> )					
Bridge Rail/Posts Coating			7	7	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>					
Girders			6	6	Curb unit chipped - east side.
Last Complete Inspection Date		08-Mar-2010			
Cracking (Y/N)		Yes		Rust staining on girder underside from connector pockets.	
Spalling (Percent Area)		0		Damage between G1 & G@.	
Lift or Connector Pocket Grouted (Y/N)		Yes		Hairline diagonal cracks on several girders.	
(Number Of Girders : <b>9</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>6</b>	<b>6</b>	

Substructure							
Bridge Component				Last	Now	Explanation of Condition	
<b>Abutments</b>							
(Extended Backwall Piles (Y/N) : <b>N</b> )							
(Extended Backwall Piles Spacing (mm) : )							
(Total Number of Caps/Corbels : <b>3:3</b> )							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
<b>Last</b>							
<b>Now</b>							
Bearing Seats/Caps/Corbels				5	5	300x300 subcaps.	
(Type : <b>TREATED TIMBER</b> )							
(Depth (mm) : <b>350</b> )							
(Width (mm) : <b>300</b> )							
Backwalls/Breastwalls				5	4	Planks not low enough fill spilling thru.	
Greatest Height (m)		3.40					
Wingwalls				N	4	Fire damage/rot in planks SE corner.	
(Total Number of Bearing Piles : <b>9:9</b> )							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)		AB1 - P2,P3,P5- vertical cracks. P7,P8,P9-bending P9-notched out for strut.  AB2 - P3 - major split P1,P2, R5, P9 - vertical cracks.	
<b>Last</b>							
<b>Now</b>	0	0	0	2			
Piles				4	3		
Paint/Coating				X	X		
Abutment Stability				4	4		
Scour/Erosion				N	4		
<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				4	7	150x200 (new)	
Nose Plate				X	X		

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Paint/Coating		X	X	
(Colour Description : )				
(Colour Code : )				
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	Yes			Old piles
<b>Substructure General Rating</b>		<b>4</b>	<b>3</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		N	6	
HWM (m below Top of Curb)				Not visible
Drift (Y/N)	No			
Slope Protection		N	5	
(Type : <b>NATURAL; NATURAL</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	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	2010	Bolt rub rail to posts.					
REPAIR/SEAL CURBS							
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS	2010	Level 2 Timber coring/inspection					
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>55.6/50.0</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>64.4/63.5</b>	Est. Repl. Yr	2015	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	Jason Saly		Previous Assistant's Name				
Next Inspection Date	08-Jun-2013		Previous Inspection Date	24-Nov-2006			
Inspection Cycle (Default) (months)	39						
Comment							