

Bridge Inspection									
Bridge File Number	13271 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1977/1977				Lot No.	4			
Bridge or Town Name	THORHILD				Inspector Name	Eric Carcoux			
Located Over	NAMEPI CREEK, 6.57, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	63:00 C1 12.595				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	13-Jan-2012			
Legal Land Location	NW SEC 36 TWP 59 RGE 21 W4M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-113:01:33, 54:08:59				Data Entry Date	22-Jan-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer			
Contract Main. Area	CMA07				Review Date	16-Jan-2012			
Clear Roadway/Skew	12.5 /				Dept. Reviewer Name	Brent Herrick			
AADT/Year	1,990 / 2010 (A)				Dept. Review Date	02-Feb-2012			
Road Classification	RAU-211.8-110				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)	No								
Remarks									
Other Sign Types									
Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone					Gas				
Power	2 wire OH E r/w.				Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	Hwy 18 intersection 180 m north.				
Vertical Alignment			9	9	Decel lane, NBL. No passing NB.				
Roadway Width (m)	11.000								
Approach Bump			6	6					
Guardrail (Y/N)	Yes								
Guardrail			4	5	SE/NW - 34.5m; SW/NE - 26.9m. & length.				
Length (m)	26.900								
Current Standard (Y/N)	No								
Termination Type	Turned Down								
Drainage			4	4	Windrows on all corners.				
<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		7	7	Extension piles strutted only.	
(Type : LONGIT PIPE STRUT)					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>					
<b>Now</b>					
Wearing Surface			4	5	
(Material Type : ACP - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			X	X	
Deck Rideability			6	6	Minor bumps at both approaches.
Deck Joints			N	N	Paved over.
Bump (Y/N)		Yes			
Deck Drainage			4	4	No deck drains. Sandy silt along gutters.
Drains Clogged (Y/N)		No			
Curbs/Median			5	5	Vertical hairline cracks on finish on both sides. Minor plow damage @ NE and NW corners.
(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			6	6	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>					
Girders			5	5	Rust stain between curb units and first interior from connector pockets. Chip on underside of NW curb. Spot rusting on underside near abutment not associated with strands. Longitudinal hairline crack underside of girders.
Last Complete Inspection Date					
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			Hole/penetration on underside of G1.
Lift or Connector Pocket Grouted (Y/N)		Yes			Hairline diagonal cracking on several girders.
(Number Of Girders : 11)					
<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) : 1600)						
(Total Number of Caps/Corbels : 2:2)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Bearing Seats/Caps/Corbels				8	7	
(Type : STEEL)						
(Depth(mm) : 300)						
(Width(mm) : 310)						
Backwalls/Breastwalls				5	5	
Greatest Height (m)		3.00				
Wingwalls				4	4	Loose/rotten planks.
(Total Number of Bearing Piles : 12:12)				P8 on AB2 is banded.		
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Piles				5	5	
Paint/Coating				X	X	
Abutment Stability				6	4	North backwall bowed inward.
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>5</b>	<b>4</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				Man made channel.
(D/S Direction : <b>E</b> )				
Alignment		8	8	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		7	7	Class 1
(Type : <b>RIP RAP; RIP RAP</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	9	
(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							
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>63.3/61.2</b>	Est. Repl. Yr	2025	Maint. Req. (Y/N)	No
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	Todd Warshawski		Previous Assistant's Name				
Next Inspection Date	13-Oct-2013		Previous Inspection Date	02-Mar-2010			
Inspection Cycle (Default) (months)	21						
Comment							