

Bridge Inspection											
Bridge File Number	13360 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1979/1979				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	18:12 C1 41.392				Assistant Name	Brian Cote					
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	26-Aug-2011					
Legal Land Location	SE SEC 2 TWP 60 RGE 21 W4M				Data Entry By	Theresa Lacusta					
Longitude, Latitude	-113:01:44, 54:09:05				Data Entry Date	27-Sep-2011					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer					
Contract Main. Area	CMA07				Review Date	26-Sep-2011					
Clear Roadway/Skew	11.3 / 0 deg.				Dept. Reviewer Name	Brent Herrick					
AADT/Year	1,230 / 2010 (A)				Dept. Review Date	28-Sep-2011					
Road Classification	RAU-210-110				Follow-Up By						
Detour Length (km)	6										
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	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										
Hazard Marker At Bridge (Y/N)	No									
Remarks	Not required.									
Other Sign Types	Information									

Utilities (Located at)										
Utility Attachments										
Telephone	S row				Gas					
Power	1 wire N row				Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	Hwy 63 intersection 200 m east. Private access 50m East. No passing EB. Turning lane starting from bridge EBL.				
Vertical Alignment			8	8					
Roadway Width (m)	11.100				Not thrie beam.				
Approach Bump			6	6					
Guardrail (Y/N)	Yes								
Guardrail			5	5					
Length (m)	11.700								
Current Standard (Y/N)	No								
Termination Type	Turned Down								
Drainage			7	7					
Approach Road General Rating			6	6					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SM, 1 Spans, Lengths(m): 11, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	60	0	0	0	
Now	100.0	0.0	0.0	0.0	
Wearing Surface			5	N	Chipcoat on ACP, 2 visible cracks through chipcoat. Rust stains on girder undersides, from connector pockets.
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		Yes			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	Paved over.
Bump (Y/N)		No			
Deck Drainage			5	5	No deck drains.
Drains Clogged (Y/N)					
Curbs/Median			7	7	Finish on outside face stained and 5% peeling. Plow scrapes.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
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			7	7	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	Underside not fully accessible.
Last	0	0	0	1	
Now	6	0	0	0	
Girders			3	N	G5 is cracked (longitudinal-photo) and delaminated.-01-March-2011 Rust stains from connector pockets on underside. All curbs have typical diagonal hairline cracks on underside at both ends. G3 West abut. type 'SM' diag. crack-no corrosion.
Last Complete Inspection Date		01-Mar-2011			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 10)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			3	3	GR carried fwd from 01-Mar-2011

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : Y)				1 ext pile & 1 wing pile / corner.		
(Extended Backwall Piles Spacing(mm) : 1000)				Backwall scab clamps installed too low, about 350mm below cap.		
(Total Number of Caps/Corbels : 1:1)				New steel caps installed in 2011.		
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels			8	8		
(Type : STEEL)						
(Depth(mm) : 350)						
(Width(mm) : 305)						
Backwalls/Breastwalls			5	5		
Greatest Height (m)		3.50				
Wingwalls			4	4	4 corners heaving & bowing.	
(Total Number of Bearing Piles : 11:11)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)	Piles bowed & under stress due to backwall height. Wide checks in 3 piles.	
Last						
Now						
Piles			4	4		
Paint/Coating			X	X		
Abutment Stability			4	4	Both backwalls bowing.	
Scour/Erosion			6	6		
Piers/Bents						
(Type :)						
(Total Number of Caps/Corbels :)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
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)		
Last						
Now						
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			
Substructure General Rating		4	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				
(D/S Direction : S)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		6	6	Class I rock along abutments for about 1 m wide.
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		6	6	

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							
Structural Condition Rating (Last/Now) (%)	38.9/38.9	Sufficiency Rating (Last/Now) (%)	55.0/54.9	Est. Repl. Yr	2024	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	Wade Nanninga		Previous Assistant's Name				
Next Inspection Date	26-May-2013		Previous Inspection Date	01-Mar-2011			
Inspection Cycle (Default) (months)	21						
Comment							