

Bridge Inspection									
Bridge File Number	06513 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1995/1995				Lot No.	2			
Bridge or Town Name	THREE HILLS				Inspector Name	Dave Lam			
Located Over	THREEHILLS CREEK, 3.50.2, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	582:04 C1 53.308				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	15-Jul-2011			
Legal Land Location	SW SEC 13 TWP 31 RGE 24 W4M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-113:16:43, 51:38:56				Data Entry Date	15-Aug-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	CMA20				Review Date	27-Jul-2011			
Clear Roadway/Skew	12 /				Dept. Reviewer Name	Andrew Smikles			
AADT/Year	450 / 2010 (A)				Dept. Review Date	29-Aug-2011			
Road Classification	RAU-209-110				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:	CS750						----> 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 required.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks	Too high - 1600 high off road surface to bottom of sign.								
Other Sign Types	Bump.								
Utilities (Located at)									
Utility Attachments									
Telephone	In south ditch.				Gas				
Power	1W 15m north of c.l.				Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			8	8	Bottom of sag curve.				
Vertical Alignment			6	6					
Roadway Width (m)	9.500								
Approach Bump			8	8					
Guardrail (Y/N)	Yes								
Guardrail			8	8					
Length (m)	15.200				Insufficient posts/spacing.				
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN								
Drainage			8	8					
Approach Road General Rating			6	6					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SCC, 3 Spans, Lengths(m): 12-12-12, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last					
Now	0.0	0.0	0.0	0.0	
Wearing Surface			6	6	Narrow cracks on grid pattern.
(Material Type : CONCRETE)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			X	X	
Deck Rideability			8	8	
Deck Joints			8	8	Continuous buffer angle, typical both abuts.
Bump (Y/N)		No			
Deck Drainage			4	4	Minor ponding along both gutters (photo).
Drains Clogged (Y/N)		No			
Curbs/Median			6	6	0.3 to 0.4 mm wide transverse cracks @ 1 m spacing - sealed/caulked (photo).
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			8	8	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			8	8	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			8	8	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Girders			8	8	Capseal peeling on fascia girders 10%. S2 girders not accessible, viewed from 4 corners. CB 11:11:11 for 12m roadway.
Last Complete Inspection Date		11-Jul-2011			
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 27)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			8	8	

Substructure						
Bridge Component				Last	Now	Explanation of Condition
Abutments						
(Extended Backwall Piles (Y/N) : N)						
(Extended Backwall Piles Spacing(mm) :)						
(Total Number of Caps/Corbels : :)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				8	8	
(Type : CONCRETE)						
(Depth(mm) :)						
(Width(mm) :)						
Backwalls/Breastwalls				X	X	
Greatest Height (m)		1.20				
Wingwalls				X	X	
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	100	0	0	0		
Piles				N	N	
Paint/Coating				8	8	
Abutment Stability				8	8	
Scour/Erosion				8	8	
Piers/Bents						
(Type : PIER-SOLID)						
(Total Number of Caps/Corbels : :)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				8	8	
(Type : CONCRETE)						
(Depth(mm) :)						
(Width(mm) :)						
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Pier Shaft/Piles				6	6	
Greatest Height (m)		4.20				
Bracing/Struts/Sheathing				X	X	
Nose Plate				7	7	
Paint/Coating				7	7	
(Colour Description :)						
(Colour Code :)						
Pier Stability				8	8	

0.5 mm vertical cracks.

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		8	8	
Debris (Y/N)	No			
Substructure General Rating		6	6	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				Meandering.
(D/S Direction : N)				
Alignment		7	6	
Bank Stability		7	5	High cut bank at SE channel (photo).
HWM (m below Top of Curb)				No visible HWM.
Drift (Y/N)	No			
Slope Protection		8	8	Concrete filled sand bags.
(Type :)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	6	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS	2011	Annual sealing program & seal deck.					
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING	2011						
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP	2011	Armour SE vertical cut bank - CL2.					
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2011	Improve drainage @ gutters, only if it gets worse.					
OTHER ACTION	2011	Reinstall HMs to meet std.					
OTHER ACTION	2011	Upgrade approach guardrail to meet std.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	77.0/77.8	Sufficiency Rating (Last/Now) (%)	78.8/73.4	Est. Repl. Yr	2049	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	Aime Theroux		Previous Assistant's Name				
Next Inspection Date	15-Oct-2014		Previous Inspection Date	18-Dec-2001			
Inspection Cycle (Default) (months)	39						
Comment							