

Bridge Inspection									
Bridge File Number	02029 -1 Bridge				Form Type	PSR PCS			
Year Built/Year Supstr	1975/1975				Lot No.	3			
Bridge or Town Name	THREE HILLS				Inspector Name	Owen Salava			
Located Over	GHOSTPINE CREEK, 3.50, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	836:04 C1 19.338				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	12-May-2011			
Legal Land Location	NW SEC 21 TWP 31 RGE 22 W4M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-113:04:33, 51:40:36				Data Entry Date	24-May-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	CMA20				Review Date	17-May-2011			
Clear Roadway/Skew	8.5 /				Dept. Reviewer Name	Chris Black			
AADT/Year	110 / 2010 (A)				Dept. Review Date	24-May-2011			
Road Classification	RLU-207G-60				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:	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)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	SB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Remarks	Not required								
Hazard Marker At Bridge (Y/N)	No								
Remarks	Missing/knocked down.								
Other Sign Types									
Utilities (Located at)									
Utility Attachments									
Telephone	West side of road				Gas				
Power	East of c/l - 2 line				Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Curve and small crest curve to the South. Intersection 40 m SW.				
Vertical Alignment			7	7					
Roadway Width (m)	8.000				Insufficient posts. SE corner torn out.				
Approach Bump			7	7					
Guardrail (Y/N)	Yes								
Guardrail			4	4					
Length (m)	15.000								
Current Standard (Y/N)	No								
Termination Type	TURN DOWN ENDS								
Drainage			7	7					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : RD, 3 Spans, Lengths(m): 10.7-13.7-10.7, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	0	0	0	0	
Now	15.0	0.0	0.0	0.0	
Wearing Surface			5	5	Map cracking, gravel on sides.
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			5	5	Caulked between concrete paving lips.
Temperature (deg. C)		13			
(Expansion Type :)					
(Fixed Type : ASPHALTIC FIBRE BOARD)					
Gap Size (mm)		Gap Location			
25		North abut			
25		North Pier			
20		South Pier			
30		South Abut			
Deck Drainage			6	6	On grade. Gravel built-up along curbs.
Drains Clogged (Y/N)		No			
Curbs/Median			6	6	Typical flex cracks every 1.0 m on curb.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			8	8	10% of post AB's not long enough for nuts.
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			4	4	
(Type : POST STEEL;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	0	0	0	0	
Now	0	0	0	0	
Girders			8	8	
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
(Number Of Girders : 8)					
Diaphragms/Cross Frame			X	X	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : RD, 3 Spans, Lengths(m): 10.7-13.7-10.7, A-Ident Number:)					
Bearings		8	8		
Temperature (deg. C)	13				
(Expansion Type :)					
(Fixed Type : REINFORCED PAD BEARING)					
Coating Adequate (Y/N)	Yes				
Functioning (Y/N)	Yes				
Deck Underside		8	8		
Stains (Percent Area)	0				
Span Alignment Problems					
Vertical (Y/N)	No				
Horizontal (Y/N)	No				
Superstructure General Rating		8	8		
Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Secondary Span : VS)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	0	0	0	0	
Now	15.0	0.0	0.0	0.0	
Wearing Surface		5	5	Map cracking.	
(Material Type : ACP)					
(Thickness(mm) : 50)				Minor cracking between girders.	
Lateral Connection Problem (Y/N)	Yes				
Deck Top		N	N		
Deck Rideability		7	7		
Deck Joints		5	5		
Bump (Y/N)	No				
Deck Drainage		5	5	Gravel built-up along curbs.	
Drains Clogged (Y/N)	No				
Curbs/Median		5	5	Typical flex. cracks every 1.0 m on curb.	
(Curb Type : Standard)					
Scaling (Percent Area)	0				
Bridge Rail		8	8	2nd post from SW missing cap.	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts		4	4		
(Type : POST STEEL;POST STEEL)					
Bridge Rail/Posts Coating		8	8		
(Type : GALVANIZED)					
Sidewalk		X	X		

Superstructure						
Bridge Component				Last	Now	Explanation of Condition
(Secondary Span : VS)						
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Girders				6	6	Appears to be a fine honeycomb underneath voids in a few girders.
Last Complete Inspection Date		12-May-2011				
Cracking (Y/N)		No				
Spalling (Percent Area)		0				
Lift or Connector Pocket Grouted (Y/N)		Yes				
(Number Of Girders : 16)						
Span Alignment Problems						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				
Superstructure General Rating				6	6	
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 : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		Massive concrete.
Last	0	0	0	0		
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				7	7	
(Type : CONCRETE)						
(Depth(mm) :)						
(Width(mm) :)						
Backwalls/Breastwalls				7	7	
Greatest Height (m)		1.50				
Wingwalls				7	7	
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	100	0	0	0		
Now	100	0	0	0		
Piles				N	N	
Paint/Coating				7	7	
Abutment Stability				7	7	
Scour/Erosion				7	5	Minor erosion S hslp; sloughing N hslp.

Substructure						
Bridge Component				Last	Now	Explanation of Condition
Piers/Bents						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				7	7	
(Type : CONCRETE)						
(Total Number of Bearing Piles : 5:5)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Pier Shaft/Piles				7	7	
Greatest Height (m)		5.00				
Bracing/Struts/Sheathing				8	8	
Nose Plate				X	X	
Paint/Coating				4	4	Minor corrosion @ waterline. Colour: tan
(Colour Description :)						
(Colour Code :)						
Pier Stability				7	7	
Scour				5	5	
Debris (Y/N)		No				
Substructure General Rating				7	7	
Structure Usage						
				Last	Now	Explanation of Condition
Channel						
(U/S Direction : W)						
(D/S Direction : E)						
Alignment				7	7	
Bank Stability				6	6	Slumping bank 100m U/S & D/S.
HWM (m below Top of Curb)				HWM not visible.		
Drift (Y/N)		No				
Slope Protection				6	5	
(Type : NATURAL; NATURAL)						
Guidebank/Spurs				X	X	
Adequacy of Opening				7	7	
(Fish Compensation Measure 1 : NONE)						
(Fish Compensation Measure 2 : NONE)						
Channel General Rating				6	5	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2011	Install cap on post @ SW.					
OTHER ACTION	2011	Repair guardrail @ SE.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	72.2/72.2	Sufficiency Rating (Last/Now) (%)	71.7/70.4	Est. Repl. Yr	2034	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	Tom Carey		Previous Assistant's Name				
Next Inspection Date	12-Aug-2014		Previous Inspection Date	31-Jul-2008			
Inspection Cycle (Default) (months)	39						
Comment							