

Bridge Inspection							
Bridge File Number	76599 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1981/1981			Lot No.	2		
Bridge or Town Name	STONY PLAIN			Inspector Name	Todd Warshawski		
Located Over	ATIM CREEK, 6.65.8, WATERCRS-ST			Inspector Class	BR CLS B		
Located On	627:02 C1 47.751			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	26-Feb-2013		
Legal Land Location	SW SEC 1 TWP 52 RGE 1 W5M			Data Entry By	Theresa Lacusta		
Longitude, Latitude	-114:01:28, 53:27:14			Data Entry Date	16-Mar-2013		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Eric Carcoux		
Contract Main. Area	CMA11			Review Date	08-Mar-2013		
Clear Roadway/Skew	8.8 /			Dept. Reviewer Name	Brent Herrick		
AADT/Year	3,190 / 2011 (A)			Dept. Review Date	20-Mar-2013		
Road Classification	RCU-209-110			Follow-Up By			
Detour Length (km)	25						
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)	In Advance (Y/N)	At Bridge (Y/N)		
Posted:	Lane	WB	At Junction (Y/N)	In Advance (Y/N)	At Bridge (Y/N)		
Remarks	Not required.						
Hazard Marker At Bridge (Y/N)	Yes						
Remarks	Not to proper location and SE knocked off.-photo SW to high, NW to low.						
Other Sign Types							

Utilities (Located at)							
Utility Attachments							
Telephone	South r/w.			Gas			
Power	1 wire South			Municipal			
Others				Problem (Y/N)	No		
Remarks							

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Entrance 25m East, crest curve to the East.
Vertical Alignment		7	7	
Roadway Width (m)	9.000			17 @ SE - damage TDE 30.4 @ SW 22.0 @ NW- damaged post & TDE 30.4 @ NE - TDE not buried - rail torn at transition.
Approach Bump		7	7	
Guardrail (Y/N)	Yes			
Guardrail		4	4	
Length (m)	17.000			
Current Standard (Y/N)	No			
Termination Type	TURN DOWN			
Drainage		7	7	
<b>Approach Road General Rating</b>		<b>7</b>	<b>7</b>	

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : <b>SM, 1 Spans, Lengths(m): 6, A-Ident Number: )</b>						
<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	0	0	0		
<b>Now</b>	10.0					
Wearing Surface			N	5	Longitudinal ACP cracking length of bridge - 3 lines. (ACP 500 short of N. curb.-10-July-2009) Wide cracks at abutments.	
(Material Type : <b>ACP</b> )						
(Thickness(mm) : <b>75</b> )						
Lateral Connection Problem (Y/N)		Yes				
Deck Top			N	N		
Deck Rideability			7	7		
Deck Joints			N	N	Buffer angles - paved over.	
Bump (Y/N)		No				
Deck Drainage			N	N	No deck drains.	
Drains Clogged (Y/N)		No				
Curbs/Median			6	6	Lift pockets not grouted.	
(Curb Type : <b>Standard</b> )						
Scaling (Percent Area)		10				
Bridge Rail			7	7	Double layer SW post A/B missing nut. Loose nuts on 2 posts A/B - S rail (photo).	
(Type : <b>GALVANIZED STEEL FLEX BEAM</b> )						
Bridge Rail Posts		3	3			
(Type : <b>GALVANIZED POST STEEL;GALVANIZED 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			5	5	Narrow longitudinal crack along outer face of G1. Narrow longitudinal crack on underside of G8 less than 0.5m. Minor spalls on outer curb fascia, stains from connector pockets.	
Last Complete Inspection Date		26-Feb-2013				
Cracking (Y/N)		Yes				
Spalling (Percent Area)		3				
Lift or Connector Pocket Grouted (Y/N)		No				
(Number Of Girders : <b>8</b> )						
<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)				Crowned subcap.		
(Extended Backwall Piles Spacing(mm) : 1300)				Steel plates on top of piles		
(Total Number of Caps/Corbels : 3:3)				Cored 13-Feb-2013		
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)	Steel shim plates on all piles.	
<b>Last</b>					Subcap cut to crown.	
<b>Now</b>						
Bearing Seats/Caps/Corbels			6	6		
(Type : TREATED TIMBER)						
(Depth(mm) : 300)						
(Width(mm) : 350)						
Backwalls/Breastwalls			4	4	Scab broken at A1P3.-photo.	
Greatest Height (m)		1.90				
Wingwalls			6	6	1 pile WW. S.E. heaving slightly.	
(Total Number of Bearing Piles : 9:9)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)	Vert. checks in some piles - no problem.	
<b>Last</b>					A1P3 tieback loose, minor drift pin split, pushing inward.	
<b>Now</b>					A2P1 minor split, A2P7 start of rot at base.	
Piles			4	4		
Paint/Coating			X	X		
Abutment Stability			4	4	1 clamp broken on pile #3 - W abut.	
Scour/Erosion			6	6		
<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)	Yes			Old piles in SB - no problem.
<b>Substructure General Rating</b>		<b>4</b>	<b>4</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>S</b> )				
(D/S Direction : <b>N</b> )				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		5	5	
(Type : <b>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>5</b>	<b>5</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2013	Tighten loose nuts, replace missing nut.					
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	2013	Start AB1-P3 to AB2-P3.					
OTHER ACTION	2013	Remove old piles from S.B.					
OTHER ACTION	2013	- Replace SW marker - reinstall all to meet standard.					
OTHER ACTION	2013	- Repair approach railing, 2 posts - 2 TDE - 5 sections W-Beam.					
OTHER ACTION	2013	Treat and band split/checked piles.(4)					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>50.0/50.0</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>54.6/54.6</b>	Est. Repl. Yr	2025	Maint. Req'd. (Y/N)	Yes
Special Comments for Next Inspection	Monitor AB 2-P7 for increased rot.		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	Kris Bosters		Previous Assistant's Name	Brian Cote			
Next Inspection Date	26-May-2016		Previous Inspection Date	31-Oct-2012			
Inspection Cycle (Default) (months)	39						
Comment							