

Bridge Inspection											
Bridge File Number	70344 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1977/1977				Lot No.	2					
Bridge or Town Name	STONY PLAIN				Inspector Name	Kris Bosters					
Located Over	2ND ORDER TRIBUTARY TO ATIM CREEK, 6.65.8.6.1, WATERCRS-ST				Inspector Class	BR CLS A					
Located On	779:02 C1 14.159				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	18-Oct-2012					
Legal Land Location	NW SEC 13 TWP 53 RGE 28 W4M				Data Entry By	Theresa Lacusta					
Longitude, Latitude	-114:00:06, 53:34:51				Data Entry Date	24-Oct-2012					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux					
Contract Main. Area	CMA11				Review Date	22-Oct-2012					
Clear Roadway/Skew	13.4 /				Dept. Reviewer Name	Brent Herrick					
AADT/Year	3,630 / 2011 (A)				Dept. Review Date	13-Nov-2012					
Road Classification	RCU-209-110				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)	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)	Yes								
Remarks	not installed @ correct height or location.								
Other Sign Types	NONE								

Utilities (Located at)									
Utility Attachments									
Telephone	west r/w				Gas	12.5 m south			
Power	east r/w - 2 wire				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Typical entrance/access - NE & SE close to bridge.				
Vertical Alignment			8	8					
Roadway Width (m)			13.400		Approaches have settled about 25mm.				
Approach Bump			7	5					
Guardrail (Y/N)			Yes						
Guardrail			4	9					
Length (m)			45.000						
Current Standard (Y/N)			Yes						
Termination Type			TURNDOWN						
Drainage			4	9					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : VS, 1 Spans, Lengths(m): 6.1, 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					
Wearing Surface			4	7	
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	Buffer angles paved over.
Bump (Y/N)		No			
Deck Drainage			4	9	
Drains Clogged (Y/N)		No			
Curbs/Median			6	9	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			8	9	
(Type : GALVANIZED STEEL THRIE BEAM)					
Bridge Rail Posts			3	9	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	9	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders			8	8	rust staining on underside at connector pocket locations. 4 new girders added to bridge.
Last Complete Inspection Date		18-Oct-2012			
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : 13)					
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) : Y)						
(Extended Backwall Piles Spacing(mm) : 1200)						
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)	Timber piles have capitals	
Last						
Now						
Bearing Seats/Caps/Corbels			7	9		
(Type : STEEL)						
(Depth(mm) : 350)						
(Width(mm) : 350)						
Backwalls/Breastwalls						
			7	7		
Greatest Height (m)	2.80					
Wingwalls						
			4	9	Bridge recently widened. E wingwall is new. SW tin tops damaged. Piles are H-piles.	
(Total Number of Bearing Piles : 12:12)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)	Piles 9-12 on each abutment are steel H piles.	
Last						
Now						
Piles			7	7		
Paint/Coating						
			7	7		
Abutment Stability						
			7	7	Most backwall clamps installed too low.	
Scour/Erosion						
			7	7		
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)	Yes			Old pile & beaverdam under bridge.
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		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	7	

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	2012	Replace tin tops at SW.					
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) (%)	83.3/83.3	Sufficiency Rating (Last/Now) (%)	73.1/76.5	Est. Repl. Yr	2040	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	Arnold Assenheimer		Previous Assistant's Name				
Next Inspection Date	18-Jan-2016		Previous Inspection Date	08-Jul-2009			
Inspection Cycle (Default) (months)	39						
Comment							