

Bridge Inspection										
Bridge File Number	85093 -1 Bridge					Form Type	PSR			
Year Built/Year Supstr	2011/2011					Lot No.	2			
Bridge or Town Name	Anthony Henday and 97th St. Interchange					Inspector Name	Randy Bredo			
Located Over	216:08 R1 14.577;216:08 L1 14.641;216:02 R1 0.000;216:02 L1 0.000					Inspector Class	BR CLS A			
Located On	28:02 R1 0.355;28:02 L1 0.356					Assistant Name				
Water Body Cl./Year						Assistant Class				
Navigabil. Cl./Year						Inspection Date	15-Apr-2012			
Legal Land Location	SW SEC 9 TWP 54 RGE 24 W4M					Data Entry By	Jill Potts			
Longitude, Latitude	-113:29:28, 53:38:47					Data Entry Date	27-Apr-2012			
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Dave Lam			
Contract Main. Area	CMA09					Review Date	22-Apr-2012			
Clear Roadway/Skew	26.5 /					Dept. Reviewer Name	Brent Herrick			
AADT/Year	17,110 / 2011 (A)					Dept. Review Date	12-Jun-2012			
Road Classification						Follow-Up By				
Detour Length (km)	1									
Allowable Load (t):	Single	CS1 28			Semi	CS2 49		Train	CS3 62	----> On Critical Spans ---->Critical Member
Design Loading:	CL800								----> Primary Span	

Posting Information											
Required Vert. Clearance Posting (m)											
Posted Vertical Clearance (Y/N)					Yes						
Posted:	Lane	EB	On Bridge (m)	5.7	In Advance (Y/N)		Lane	WB	On Bridge (m)	In Advance (Y/N)	No
Remarks	Advance clearance sign required.										
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					Not required.						
Other Sign Types											

Utilities (Located at)									
Utility Attachments									
Telephone						Gas			
Power	Strung along outside of curb to lights.					Municipal			
Others	Light standards.					Problem (Y/N)	Yes		
Remarks	Light standards on bridge not grouted.								

Approach Road									
				Last	Now	Explanation of Condition			
Horizontal Alignment					7				
Vertical Alignment					7				
Roadway Width (m)				26.500					
Approach Bump					9				
Guardrail (Y/N)				Yes					
Guardrail					9				
Length (m)				26.000					
Current Standard (Y/N)				Yes					
Termination Type				Attenuation					
Drainage					3	Ground needs leveling at all 4 corners to drain properly.			
Approach Road General Rating					7				

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : NU, 2 Spans, Lengths(m): 46.862-47.062, A-Ident Number:)					
Special Features					
Special Feature			9	MSE Wall. Both abutments.	
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last					
Now					
Wearing Surface			8	Type H2 waterproofing system.	
(Material Type : ACP)					
(Thickness(mm) : 80)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N		
Deck Rideability			8		
Deck Joints			X	Caulking failed 5% on curb at abutments due to bondline.	
Temperature (deg. C)		0			
(Expansion Type :)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
65		A1 - NB - asphalt gap - exp.			
10		A1 - SB - asphalt gap - exp.			
65		A2 - NB - asphalt gap - exp.			
65		A2 - SB - asphalt gap - exp.			
Deck Drainage			8	No drains.	
Drains Clogged (Y/N)		No			
Curbs/Median			8		
(Curb Type : SINGLE SLOPE CONCRETE BARRIER)					
Scaling (Percent Area)		0			
Bridge Rail			X	Pigmented sealer of exterior of curbs/barrier.	
(Type :)					
Bridge Rail Posts			X		
(Type :)					
Bridge Rail/Posts Coating			7		
(Type :)					
Sidewalk			X		
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders			8	Continuous spans.	
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
(Number Of Girders : 7)					
Diaphragms/Cross Frame			9		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : NU, 2 Spans, Lengths(m): 46.862-47.062, A-Ident Number:)				
Bearings			9	A1 and A2 only (difficult to see).
Temperature (deg. C)	0			
(Expansion Type :)				
(Fixed Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside			9	
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating			8	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps			9	Integral.
(Type : CONCRETE)				
Backwalls/Breastwalls			8	Slight waviness.
Wingwalls			8	Slight waviness.
Piles			N	
Paint/Coating			9	
Abutment Stability			8	
Scour/Erosion			9	
Piers/Bents				
(Type : PIER-COLUMN)				3 coulmns. Integral.
Bearing Seats/Caps			8	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 7)				
Pier Shaft/Piles			9	
Bracing/Struts/Sheathing			X	
Nose Plate			X	
Paint/Coating			8	Tan.
(Colour Description :)				
(Colour Code :)				
Pier Stability			9	
Scour			X	
Debris (Y/N)	No			
Substructure General Rating			8	

Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment			7	
Traffic Safety Features			9	
Type	Lighting			
Slope Protection			9	
(Type : CONCRETE; CONCRETE)				
Bank Stability			8	
Drainage			4	Water ponded at pier.
Grade Separation General Rating			7	

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	2012	Repair erosion and settlement problems all 4 corners.					
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2012	Grout light standards on bridge.					
OTHER ACTION	2012	Repair where caulking has failed at abutments & other vertical joints.					
OTHER ACTION	2012	Improve median drainage at pier.					
OTHER ACTION	2012	Install advance vertical clearance signs.					
OTHER ACTION	2012	Put electrical inside curbs.					
OTHER ACTION	2012	Repair/seal concrete barrier where damaged by plow.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	/88.9	Sufficiency Rating (Last/Now) (%)	/72.4	Est. Repl. Yr	2087	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			Previous Assistant's Name				
Next Inspection Date	15-Jan-2014		Previous Inspection Date				
Inspection Cycle (Default) (months)	21						

Comment	
---------	--