

Bridge Inspection									
Bridge File Number	85093 SE-2 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 14.546;216:08 L1 14.611				Inspector Class	BR CLS A			
Located On	RAMP 2761-2 B				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	-113:29:30, 53:38:50				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	8.3 /				Dept. Reviewer Name	Brent Herrick			
AADT/Year					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)	No	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 West curb.				Municipal					
Others	Typical G/S light standard detail.				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)	8.300								
Approach Bump				8					
Guardrail (Y/N)	Yes								
Guardrail				9					
Length (m)	63.000								
Current Standard (Y/N)	Yes								
Termination Type	Attenuation								
Drainage				3	Ground needs leveling at NW & SW corners for drainage to work properly.				
Approach Road General Rating				7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : NU, 2 Spans, Lengths(m): 45.4-46.8, 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	Integral abutments.	
Temperature (deg. C)		0			
(Expansion Type :)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
Deck Drainage			9	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 on outside, clear sealer inside.	
(Type :)					
Bridge Rail Posts			X		
(Type :)					
Bridge Rail/Posts Coating			9		
(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 : 4)					
Diaphragms/Cross Frame			9		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : NU, 2 Spans, Lengths(m): 45.4-46.8, A-Ident Number:)				
Bearings			X	Bearings present but only used during construction.
Temperature (deg. C)	0			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type :)				
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 abutments.
(Type : CONCRETE)				
Backwalls/Breastwalls			8	Slight waviness.
Wingwalls			8	Slight waviness.
Piles			N	
Paint/Coating			8	
Abutment Stability			8	
Scour/Erosion			9	
Piers/Bents				
(Type : PIER-COLUMN)				Single concrete column. Integral.
Bearing Seats/Caps			9	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 12)				
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			9	
Traffic Safety Features			9	
Type	Lighting.			
Slope Protection			9	
(Type : CONCRETE; CONCRETE)				
Bank Stability			9	
Drainage			4	Water ponding at piers.
Grade Separation General Rating			9	

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 at NW & SW.					
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 joint locations.					
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	Trim excess abutment weep drain protruding from abutment fill.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	/88.9	Sufficiency Rating (Last/Now) (%)	/78.5	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	
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