

Bridge Inspection											
Bridge File Number	81038 SE-9 Bridge					Form Type	PSR				
Year Built/Year Supstr	2011/2011					Lot No.	3				
Bridge or Town Name	ANTHONY HENDAY(HWY 216) SOUTH EAST RAMP OVER STONEY PLAIN RD					Inspector Name	Wade Nanninga				
						Inspector Class	BR CLS A				
Located Over	100 AVE (LOCAL ROAD)					Assistant Name					
Located On	RAMP 4613-2 B					Assistant Class					
Water Body Cl./Year						Inspection Date	24-Jan-2013				
Navigabil. Cl./Year						Data Entry By	Theresa Lacusta				
Legal Land Location	NW SEC 32 TWP 52 RGE 25 W4M					Data Entry Date	15-Feb-2013				
Longitude, Latitude	-113:39:48, 53:32:28					Reviewer Name	Eric Carcoux				
Road Authority	Alberta Transportation (AIT)					Review Date	27-Jan-2013				
Contract Main. Area	ANTHONY HENDAY DRIVE					Dept. Reviewer Name	Brent Herrick				
Clear Roadway/Skew	9.2 /					Dept. Review Date	27-Feb-2013				
AADT/Year	20,000 / 2013 (E)					Follow-Up By					
Road Classification	RCU-209-110										
Detour Length (km)											
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	WB	On Bridge (m)	5.5	In Advance (Y/N)	Yes	Lane	EB	On Bridge (m)	In Advance (Y/N)
Remarks										
Required Load Posting (t)					Single		Semi		Truck Train	
Posted Loading (t)					Single		Semi		Truck Train	
Posted:	Lane	SB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No		
Posted:	Lane	NB	At Junction (Y/N)		In Advance (Y/N)		At Bridge (Y/N)			
Remarks										
Hazard Marker At Bridge (Y/N)					No					
Remarks										
Other Sign Types					Max 60					

Utilities (Located at)										
Utility Attachments										
Telephone						Gas				
Power	3 wire 50m W					Municipal	Street lights			
Others						Problem (Y/N)	No			
Remarks										

Approach Road										
				Last	Now	Explanation of Condition				
Horizontal Alignment					6	Middle of horiz. curve.				
Vertical Alignment					8	Typical grade separation				
Roadway Width (m)		9.000								
Approach Bump					7					
Guardrail (Y/N)		Yes								
Guardrail					7	11.4m @ SW/SE 45.6m @ NW/NE				
Length (m)		11.400								
Current Standard (Y/N)		Yes								
Termination Type		FLEAT								
Drainage					7					
Approach Road General Rating						6				

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : NU, 1 Spans, Lengths(m): 39.127, 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	30.0				
Wearing Surface			8	Missing curb coverplates @ NE/SW. -photo	
(Material Type : ACP)					
(Thickness(mm) : 90)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N		
Deck Rideability			8		
Deck Joints			4	Missing curb coverplates @ NE/SW. -photo	
Temperature (deg. C)		-7			
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
95		N abut			
80		S abut			
Deck Drainage			8		
Drains Clogged (Y/N)		No			
Curbs/Median			8		
(Curb Type : SINGLE SLOPE CONCRETE BARRIER)					
Scaling (Percent Area)					
Bridge Rail			X		
(Type :)					
Bridge Rail Posts			X		
(Type :)					
Bridge Rail/Posts Coating			X		
(Type :)					
Sidewalk			X		
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders			8	No visible NU typical cracks.	
Cracking (Y/N)		No			
Spalling (Percent Area)					
(Number Of Girders : 4)					
Diaphragms/Cross Frame			9		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : NU, 1 Spans, Lengths(m): 39.127, A-Ident Number:)				
Bearings			8	Viewed from opposite embankment with binoculars.
Temperature (deg. C)	-7			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type :)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside			8	
Stains (Percent Area)				
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	
(Type : CONCRETE)				
Backwalls/Breastwalls			9	
Wingwalls			9	
Piles			N	
Paint/Coating			9	
Abutment Stability			8	
Scour/Erosion			8	
Piers/Bents				
(Type :)				
Bearing Seats/Caps			X	
(Type :)				
(Total Number of Bearing Piles :)				
Pier Shaft/Piles			X	
Bracing/Struts/Sheathing			X	
Nose Plate			X	
Paint/Coating			X	
(Colour Description :)				
(Colour Code :)				
Pier Stability			X	
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			8	
Type	Lights			
Slope Protection			4	S abut drop plate twisted upwards.-photo
(Type : CONCRETE; CONCRETE)				
Bank Stability			8	
Drainage			8	
Grade Separation General Rating			4	

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	2013	Install missing curb coverplate.(2)					
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2013	Bend drip plate down @ S abut.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	/88.9	Sufficiency Rating (Last/Now) (%)	/64.7	Est. Repl. Yr	2085	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	24-Oct-2014		Previous Inspection Date				
Inspection Cycle (Default) (months)	21						
Comment							