

Bridge Inspection													
Bridge File Number	81038 N2-5 Bridge					Form Type	PSR						
Year Built/Year Supstr	2011/2011					Lot No.	3						
Bridge or Town Name	ANTHONY HENDAY DRIVE (HWY 216) NB OVER STONEY PLAIN					Inspector Name	Wade Nanninga						
						Inspector Class	BR CLS A						
Located Over	100 AVE (LOCAL ROAD)					Assistant Name							
Located On	216:06 R1 20.856					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	16-Feb-2013						
Longitude, Latitude	-113:39:32, 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	18.3 /					Dept. Review Date	27-Feb-2013						
AADT/Year	46,170 / 2011 (A)					Follow-Up By							
Road Classification	RFD-616.6-110												
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)													
Posted:	Lane	WB	On Bridge (m)	5.4	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	NB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No					
Posted:	Lane	SB	At Junction (Y/N)		In Advance (Y/N)		At Bridge (Y/N)						
Remarks													
Hazard Marker At Bridge (Y/N)		Yes											
Remarks													
Other Sign Types		Merge											
Utilities (Located at)													
Utility Attachments													
Telephone						Gas							
Power						Municipal	Streetlights						
Others						Problem (Y/N)	No						
Remarks													
Approach Road													
			Last	Now	Explanation of Condition								
Horizontal Alignment				8	Typical grade separation.								
Vertical Alignment				7									
Roadway Width (m)		1,635.000			estimated Larger traffic bouncing onto approach slab from settled South approach.								
Approach Bump				4									
Guardrail (Y/N)		Yes											
Guardrail				8	11.3 @ NW/NE 57.0 @ SW/SE								
Length (m)		11.300											
Current Standard (Y/N)		Yes											
Termination Type		FLEAT											
Drainage				8									
Approach Road General Rating				7									

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>NU, 1 Spans, Lengths(m): 49.13, 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>					
<b>Now</b>	10.0				
Wearing Surface			8	Water staining on both breastwalls from possible leaking joints.	
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>90</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N		
Deck Rideability			8		
Deck Joints			4	Water staining on both breastwalls from possible leaking joints.	
Temperature (deg. C)		-5			
(Expansion Type : )					
(Fixed Type : )					
Gap Size (mm)		Gap Location			
Deck Drainage			8		
Drains Clogged (Y/N)		No			
Curbs/Median			8		
(Curb Type : <b>SINGLE SLOPE CONCRETE BARRIER</b> )					
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)	
<b>Last</b>					
<b>Now</b>					
Girders			4	Hairline horiz. crack G7 extending 0.2m from N abut.	
Cracking (Y/N)		Yes			
Spalling (Percent Area)					
(Number Of Girders : <b>9</b> )					
Diaphragms/Cross Frame			9		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : <b>NU, 1 Spans, Lengths(m): 49.13, A-Ident Number: )</b>				
Bearings			8	Viewed with binoculars
Temperature (deg. C)	-5			
(Expansion Type : <b>REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL</b> )				
(Fixed Type : )				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside			8	
Stains (Percent Area)				
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>			<b>8</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps			9	
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls			8	
Wingwalls			9	
Piles			N	
Paint/Coating			9	
Abutment Stability			8	
Scour/Erosion			8	
<b>Piers/Bents</b>				
(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	Small construction debris.
Debris (Y/N)	Yes			
<b>Substructure General Rating</b>			<b>8</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Grade Separation</b>				
Road Alignment			9	
Traffic Safety Features			9	
Type	Delinators/lights			
Slope Protection			8	
(Type : <b>CONCRETE; CONCRETE</b> )				
Bank Stability			8	
Drainage			8	
<b>Grade Separation General Rating</b>			<b>8</b>	

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	Flood joints and investigate leaking.					
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2013	Patch South approach for smoother tie-in.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>/88.9</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>/58.2</b>	Est. Repl. Yr	2085	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor girder cracking.		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							