

Bridge Inspection												
Bridge File Number	81038 S2-7 Bridge					Form Type	PSR					
Year Built/Year Supstr	2011/2011					Lot No.	3					
Bridge or Town Name	ANTHONY HENDAY DRIVE (HWY 216) SB OVER 100 AVE					Inspector Name	Wade Nanninga					
						Inspector Class	BR CLS A					
Located Over	STONY PLAIN ROAD (LOCAL ROAD)					Assistant Name						
Located On	216:06 L1 20.610					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	-113:39:33, 53:32:18					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	23.7 / 30 deg. (RHF)					Dept. Review Date	27-Feb-2013					
AADT/Year	53,540 / 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)			Yes									
Posted:	Lane	EB	On Bridge (m)		In Advance (Y/N)	Yes	Lane	WB	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)		Yes										
Remarks												
Other Sign Types		Merge										
Utilities (Located at)												
Utility Attachments												
Telephone						Gas						
Power						Municipal	Street lights					
Others						Problem (Y/N)	No					
Remarks												
Approach Road												
				Last	Now	Explanation of Condition						
Horizontal Alignment					8	Grade to N.						
Vertical Alignment					7							
Roadway Width (m)		22.000				estimated						
Approach Bump					4	Settling approach @ South end - 30mm estimated						
Guardrail (Y/N)		Yes				57.0m @ NW/NE						
Guardrail					8	15.2@ SE						
Length (m)		15.200				Interlocking barricades @ SW.						
Current Standard (Y/N)		Yes										
Termination Type		FLEAT										
Drainage					8							
Approach Road General Rating					6							

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : NU, 2 Spans, Lengths(m): 25.005-46.009, 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	10.0				
Wearing Surface			8	Water stains on abutment breastwall possible joint leakage.-photo	
(Material Type : ACP)					
(Thickness(mm) : 90)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N		
Deck Rideability			8		
Deck Joints			4		
Temperature (deg. C)		-5			
(Expansion Type : TYPE 1 STRIP SEAL)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
90		S Abut.			
80		N. abut			
Deck Drainage			8	No drains	
Drains Clogged (Y/N)					
Curbs/Median			9		
(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			N	Snow/ice covered.	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders			4	Horiz. hairline cracking G1-5 @ NW extending 0.2m from ends in web.	
Cracking (Y/N)		Yes			
Spalling (Percent Area)					
(Number Of Girders : 10)					
Diaphragms/Cross Frame			9		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : NU, 2 Spans, Lengths(m): 25.005-46.009, A-Ident Number:)				
Bearings			9	Abut viewed from opposite headslope. Piers not visible.-integral
Temperature (deg. C)	-5			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type : REINFORCED PAD BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside			9	
Stains (Percent Area)				
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating			9	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps			9	
(Type : CONCRETE)				
Backwalls/Breastwalls			9	
Wingwalls			8	
Piles			N	
Paint/Coating			9	
Abutment Stability			8	
Scour/Erosion			8	
Piers/Bents				
(Type : PIER-COLUMN)				3 pier columns
Bearing Seats/Caps			9	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 27)				
Pier Shaft/Piles			9	
Bracing/Struts/Sheathing			X	
Nose Plate			X	
Paint/Coating			9	beige
(Colour Description :)				
(Colour Code :)				
Pier Stability			9	
Scour			N	
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			8	
(Type : CONCRETE; CONCRETE)				
Bank Stability			8	
Drainage			8	
Grade Separation General Rating			8	

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							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2013	Flood joints and check for leakage.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	/94.4	Sufficiency Rating (Last/Now) (%)	/74.5	Est. Repl. Yr	2085	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor girder cracking, approach settlement @ S end.		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							