

Bridge Inspection										
Bridge File Number	85047 EN2-13 Bridge					Form Type	PSR			
Year Built/Year Supstr	2011/2011					Lot No.	2			
Bridge or Town Name	ANTY HDY/YHT					Inspector Name	Randy Bredo			
Located Over	16:16 R1 6.774;16:16 L1 6.779					Inspector Class	BR CLS A			
Located On	RAMP 4098-3 G					Assistant Name				
Water Body Cl./Year						Assistant Class				
Navigabil. Cl./Year						Inspection Date	28-Apr-2012			
Legal Land Location	SW SEC 17 TWP 53 RGE 25 W4M					Data Entry By	Jill Potts			
Longitude, Latitude	-113:39:43, 53:34:17					Data Entry Date	08-May-2012			
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Dave Lam			
Contract Main. Area	ANTHONY HENDAY DRIVE					Review Date	05-May-2012			
Clear Roadway/Skew	13.9 /					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)												
Posted:	Lane	NB	On Bridge (m)	9.5	In Advance (Y/N)	No	Lane	SB	On Bridge (m)	9.5	In Advance (Y/N)	No
Remarks												
7.7m above NE ramp.												
Required Load Posting (t)												
Posted Loading (t)												
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												
Not required.												

Hazard Marker At Bridge (Y/N)	No											
Remarks	Not required.											
Other Sign Types	Bump signs at West end.											

Utilities (Located at)												
Utility Attachments												
Telephone						Gas						
Power						Municipal						
Others	Light standards.					Problem (Y/N)	No					
Remarks												

Approach Road												
					<b>Last</b>	<b>Now</b>	<b>Explanation of Condition</b>					
Horizontal Alignment						7	Severe approach bump West end due to settlement.					
Vertical Alignment						7						
Roadway Width (m)		13.900										
Approach Bump						3						
Guardrail (Y/N)		Yes										
Guardrail						7						
Length (m)		23.000										
Current Standard (Y/N)		Yes										
Termination Type		Attenuation										
Drainage						3						
<b>Approach Road General Rating</b>						<b>7</b>						

<b>Superstructure</b>				
<b>Bridge Component</b>		<b>Last</b>	<b>Now</b>	<b>Explanation of Condition</b>
(Primary Span : <b>NU, 3 Spans, Lengths(m): 44.054-36.914-30.049, A-Ident Number: )</b>				
<b>Special Features</b>				
Special Feature			7	MSE wall.
(Type : )				
Special Feature			X	
(Type : )				
<b>Wearing Surface/Deck Top Detail Ratings</b>				
	N (%)	1 (%)	2 (%)	3 (%)
<b>Last</b>				
<b>Now</b>				
Wearing Surface			8	H2 with waterproofing system.
(Material Type : <b>ACP</b> )				
(Thickness(mm) : <b>80</b> )				
Lateral Connection Problem (Y/N)	No			
Deck Top			N	
Deck Rideability			8	
Deck Joints			8	
Temperature (deg. C)		10		
(Expansion Type : <b>GLAND (WABO-MAUER, TRANSFLEX, ETC)</b> )				
(Fixed Type : )				
Gap Size (mm)		Gap Location		
65	A1 - gland wabo - exp.			
75	A2 - gland wabo - exp.			
Deck Drainage			5	Water stains from NW weep tube. No drains.
Drains Clogged (Y/N)		No		
Curbs/Median			3	NW and SW caulking is failing. Cause appears to be settlement on approach side.
(Curb Type : <b>SINGLE SLOPE CONCRETE BARRIER</b> )				
Scaling (Percent Area)		0		
Bridge Rail			3	Missing 2 or more rail to post bolts and missing 1 or more rail splice bolts.
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )				
Bridge Rail Posts			8	
(Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )				
Bridge Rail/Posts Coating			8	
(Type : <b>GALVANIZED</b> )				
Sidewalk			X	
<b>Girder Detail Ratings</b>				
	N (count)	1 (count)	2 (count)	3 (count)
<b>Last</b>				
<b>Now</b>				
Girders			8	Continuous span.
Cracking (Y/N)		No		
Spalling (Percent Area)		0		
(Number Of Girders : <b>5</b> )				

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : NU, 3 Spans, Lengths(m): 44.054-36.914-30.049, A-Ident Number: )				
Diaphragms/Cross Frame			8	
Bearings			8	Integral piers.
Temperature (deg. C)	10			
(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)	0			
<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			8	
(Type : CONCRETE)				
Backwalls/Breastwalls			8	
Wingwalls			4	Coating requires to be completed.
Piles			N	
Paint/Coating			8	
Abutment Stability			9	
Scour/Erosion			X	
<b>Piers/Bents</b>				
(Type : PIER-COLUMN)				2 concrete columns/pier.
Bearing Seats/Caps			8	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 30:30)				Base of pier requires cleaning.
Pier Shaft/Piles			8	
Bracing/Struts/Sheathing			X	
Nose Plate			X	
Paint/Coating			8	Tan.
(Colour Description : )				
(Colour Code : )				
Pier Stability			9	
Scour			X	
Debris (Y/N)	No			
<b>Substructure General Rating</b>			<b>8</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Grade Separation</b>				
Road Alignment			7	
Traffic Safety Features			X	
Type				
Slope Protection			8	
(Type : <b>CONCRETE; CONCRETE</b> )				
Bank Stability			8	
Drainage			7	
<b>Grade Separation General Rating</b>			<b>7</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012	Install all rail bolts where missing.					
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	2012	Repair severe approach bump at West end.					
OTHER ACTION	2012	Resolve settlement of barriers and then replace failed caulking in barrier vert. joints.					
OTHER ACTION	2012	Remove grout streaks on fascia.					
OTHER ACTION	2012	Finish final grading.					
OTHER ACTION	2012	Install advance VC signs.					
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>/76.0</b>	Est. Repl. Yr	2087	Maint. Req'd. (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	28-Jan-2014		Previous Inspection Date				
Inspection Cycle (Default) (months)	21						
Comment							