

Bridge Inspection										
Bridge File Number	85047 EN3-14 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	YELLOWHEAD TRAIL (HWY 16)					Inspector Class	BR CLS A			
Located On	E-N RAMP OF HWY 216					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	-113:39:28, 53:34:25					Data Entry Date	07-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) Yes												
Posted:	Lane	EB	On Bridge (m)	7.1	In Advance (Y/N)	No	Lane	WB	On Bridge (m)	5.7	In Advance (Y/N)	No
Remarks		Advance VC 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)		In Advance (Y/N)		At Bridge (Y/N)					
Remarks		Not required.										
Hazard Marker At Bridge (Y/N)			No									
Remarks		Not required.										
Other Sign Types												

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

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment			7	
Vertical Alignment			7	
Roadway Width (m)	14.000			
Approach Bump			6	
Guardrail (Y/N)	Yes			
Guardrail			7	
Length (m)	23.000			
Current Standard (Y/N)	Yes			
Termination Type	Attenuation			
Drainage			4	
<b>Approach Road General Rating</b>			<b>7</b>	

Superstructure				
Bridge Component	Last	Now	Explanation of Condition	
(Primary Span : <b>NU, 2 Spans, Lengths(m): 45.945-38.468, 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>				1.0
Wearing Surface		3	H2 with waterproofing system. Junction box still needs to be repaired on deck.	
(Material Type : <b>ACP</b> )				
(Thickness(mm) : <b>80</b> )				
Lateral Connection Problem (Y/N)	No			
Deck Top		N		
Deck Rideability		8		
Deck Joints		X	Integral. Wide groove sawcut in ACP but appears need to be scaled.	
Temperature (deg. C)	9			
(Expansion Type : )				
(Fixed Type : )				
Gap Size (mm)	Gap Location			
Deck Drainage		8	No deck drains.	
Drains Clogged (Y/N)	No			
Curbs/Median		8		
(Curb Type : <b>SINGLE SLOPE CONCRETE BARRIER</b> )				
Scaling (Percent Area)	0			
Bridge Rail		8		
(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		
Girder Detail Ratings				
	N (count)	1 (count)	2 (count)	3 (count)
<b>Last</b>				
<b>Now</b>				
Girders		8		
Cracking (Y/N)	No			
Spalling (Percent Area)	0			
(Number Of Girders : <b>5</b> )				

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : <b>NU, 2 Spans, Lengths(m): 45.945-38.468, A-Ident Number: )</b>				
Diaphragms/Cross Frame			8	
Bearings			X	Integral at abutments and pier.
Temperature (deg. C)	10			
(Expansion Type : )				
(Fixed Type : )				
Coating Adequate (Y/N)				
Functioning (Y/N)				
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 : <b>CONCRETE</b> )				
Backwalls/Breastwalls			8	
Wingwalls			4	SE bridge plaque has glue residue.
Piles			N	
Paint/Coating			4	Coating not completed SE wingwall.
Abutment Stability			8	
Scour/Erosion			X	
<b>Piers/Bents</b>				
(Type : <b>PIER-COLUMN</b> )				2 concrete columns.
Bearing Seats/Caps			8	
(Type : <b>CONCRETE</b> )				
(Total Number of Bearing Piles : <b>21</b> )				Buried.
Pier Shaft/Piles			8	
Bracing/Struts/Sheathing			X	
Nose Plate			X	
Paint/Coating			8	Tan.
(Colour Description : )				
(Colour Code : )				
Pier Stability			8	
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			8	
Type	Lighting			
Slope Protection			8	
(Type : <b>CONCRETE; CONCRETE</b> )				
Bank Stability			8	
Drainage			4	Ponding at base of abutment 2 slope protection.
<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							
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	Seal sawcut groove at both abutment joints in ACP.					
OTHER ACTION	2012	Remove glue residue from bridge plaque.					
OTHER ACTION	2012	Repair hole in curb and deck at junction box.					
OTHER ACTION	2012	Finish coating.					
OTHER ACTION	2012	Improve drainage at base of abutment 2.					
OTHER ACTION	2012	Install advance VC signs.					
OTHER ACTION	2012	Finish grading & remove roots and wood debris from landscaping material.					
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>/75.8</b>	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	28-Jan-2014			Previous Inspection Date			

Inspection Cycle (Default) (months)	21
Comment	