

Bridge Inspection									
Bridge File Number	85047 NW-7 Bridge				Form Type	SG			
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 6.837;16:16 L1 6.838				Inspector Class	BR CLS A			
Located On	RAMP 4098-3 D				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	-113:39:39, 53:34:25				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	8.3 /				Dept. Reviewer Name	Brent Herrick			
AADT/Year					Dept. Review Date	12-Jun-2012			
Road Classification					Follow-Up By				
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)	In Advance (Y/N)	No	Lane	EB	On Bridge (m)	In Advance (Y/N) No
Remarks	WB ramp posted 5.5m. Vertical clearance posted on sister bridges.								
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		"Ramp 40"							

Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power					Municipal				
Others	Light standards.				Problem (Y/N)	No			
Remarks	Conduit for G/S lighting at abutment and pier.								

Approach Road									
			<b>Last</b>	<b>Now</b>	<b>Explanation of Condition</b>				
Horizontal Alignment				7					
Vertical Alignment				7					
Roadway Width (m)		8.300							
Approach Bump				6					
Guardrail (Y/N)		Yes							
Guardrail				7					
Length (m)		23.000							
Current Standard (Y/N)		Yes							
Termination Type		Attenuation							
Drainage				4	Final grading required at corners.				
<b>Approach Road General Rating</b>				<b>7</b>					

Superstructure							
Bridge Component				Last	Now	Explanation of Condition	
(Primary Span : <b>WG, 2 Spans, Lengths(m): 46.038-45.084, A-Ident Number: )</b>							
<b>Special Features</b>							
Special Feature					X		
(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> )							
Deck Top					N		
Deck Rideability					8		
Deck Joints					8		
Temperature (deg. C)	8						
(Expansion Type : <b>GLAND (WABO-MAUER, TRANSFLEX, ETC)</b> )							
(Fixed Type : )							
Gap Size (mm)		Gap Location					
77		A1 - Gland wabo - exp.					
95		A2 - Gland wabo - exp.					
Deck Drainage					7	No drains.	
Drains Clogged (Y/N)		No					
Curbs/Median					8	Some plow scrapes.	
(Curb Type : <b>SINGLE SLOPE CONCRETE BARRIER</b> )							
Scaling (Percent Area)		0					
Bridge Rail					X		
(Type : )							
Bridge Rail Posts					X		
(Type : )							
Bridge Rail/Posts Coating					X		
(Type : )							
Sidewalk					X		
<b>Girder/Beam</b>							
Cover Plate					X		
Flange					9		
Web					9		
Stiffeners					9		
Splice					9		
Weld					N		
Diaphragms/Cross Frame					9		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : <b>WG, 2 Spans, Lengths(m): 46.038-45.084, A-Ident Number: )</b>				
Paint Condition			8	Weathering steel.
(Colour Description : )				
(Colour Code : )				
Touchup Required (Y/N)	No			
Bearings			8	Both abutments integral.
Temperature (deg. C)	8			
(Expansion Type : )				
(Fixed Type : <b>REINFORCED PAD BEARING</b> )				
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 : <b>CONCRETE</b> )				
Backwalls/Breastwalls			8	
Wingwalls			4	Holes exposes void under approach slab. Concrete not finished around SE bridge plaque. NW bridge plaque not installed.
Piles			N	
Paint/Coating			4	Coating isn't finished yet on wingwalls and between girders.
Abutment Stability			8	
Scour/Erosion			X	
<b>Piers/Bents</b>				
(Type : <b>PIER-COLUMN</b> )				Single concrete column.
Bearing Seats/Caps			8	
(Type : <b>CONCRETE</b> )				Buried.
(Total Number of Bearing Piles : <b>15</b> )				
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			

Substructure				
Bridge Component		Last	Now	Explanation of Condition
<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			4	Power junction box is open.
Type	Lighting			
Slope Protection			7	
(Type : <b>CONCRETE; CONCRETE</b> )				
Bank Stability			7	
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							
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2012	Finish grading at all 4 corners.					
OTHER ACTION	2012	Clean debris off girders and abutment seats.					
OTHER ACTION	2012	Finish concrete around SE plaque. Install plaque at NW.					
OTHER ACTION	2012	Solve problem of holes in wingwall.					
OTHER ACTION	2012	Put cover on junction box.					
OTHER ACTION	2012	Tidy up coating between girders.					
OTHER ACTION	2012	Repair accident damage to pier column.					
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>/74.3</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			