

Bridge Inspection										
Bridge File Number	85047 S-6 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 6.773;16:16 L1 6.773				Inspector Class	BR CLS A				
Located On	216:08 L1 0.019				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, 53:34:26				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	17.1 /				Dept. Reviewer Name	Brent Herrick				
AADT/Year					Dept. Review Date	12-Jun-2012				
Road Classification	RFD-1024.5-110				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)	In Advance (Y/N)	No	Lane	WB	On Bridge (m)	In Advance (Y/N)	No
Remarks	Vertical clearances posted on sister structures on either side.									
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	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	Power to G/S lighting at abutments & pier.									

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment			7	Slight bump North approach.
Vertical Alignment			7	
Roadway Width (m)	16.600			
Approach Bump			6	
Guardrail (Y/N)	Yes			1 transition bolt left high at SE.
Guardrail			4	
Length (m)	23.000			
Current Standard (Y/N)	Yes			
Termination Type	Attenuation			
Drainage			4	Minor headslope gullies originating from catch basins. Final grading required all 4 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): 46.025-45.053, 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					3	SW curb coverplate missing 1 bolt and NW missing 4 bolts.
Temperature (deg. C)	5					
(Expansion Type : <b>GLAND (WABO-MAUER, TRANSFLEX, ETC)</b> )						
(Fixed Type : )						
Gap Size (mm)		Gap Location				
78		A1 - gland wabo - exp.				
80		A2 - gland wabo - exp.				
Deck Drainage					5	No deck drains. Weep tube at NE is not fully plumbed but ok as is.
Drains Clogged (Y/N)	No					
Curbs/Median					7	
(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): 46.025-45.053, A-Ident Number: )</b>				
Paint Condition			8	Weathering steel.
(Colour Description : )				
(Colour Code : )				
Touchup Required (Y/N)	No			
Bearings			8	Integral at both abutments.
Temperature (deg. C)	5			
(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	The SE wingwall does not have a bridge plaque. Holes were left allowing access under approach slab.
Piles			N	
Paint/Coating			4	Coating between girders left unfinished.
Abutment Stability			8	
Scour/Erosion			8	
<b>Piers/Bents</b>				
(Type : <b>PIER-COLUMN</b> )				3 concrete columns.
Bearing Seats/Caps			8	
(Type : <b>CONCRETE</b> )				Buried.
(Total Number of Bearing Piles : <b>30</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>			8	
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			8	
<b>Grade Separation General Rating</b>			7	

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	2012	Repair 1 transition bolt.					
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS	2012	Install 5 joint curb coverplate bolts.					
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 final grading all 4 corners.					
OTHER ACTION	2012	Repair minor headslope gullies both sides and void under SE corner.					
OTHER ACTION	2012	Install bridge plaque SE corner.					
OTHER ACTION	2012	Install advance vertical clearance 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>/66.1</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	
---------	--