

Bridge Inspection										
Bridge File Number	85047 EN1-12 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	216:08 R1 0.000;216:08 L1 0.000;RAMP 4098-3 A;RAMP 4098-3 F					Inspector Class	BR CLS A			
Located On	RAMP 4098-3 B					Assistant Name				
Water Body Cl./Year						Assistant Class				
Navigabil. Cl./Year						Inspection Date	28-Apr-2012			
Legal Land Location	SE SEC 18 TWP 53 RGE 25 W4M					Data Entry By	Jill Potts			
Longitude, Latitude	-113:39:57, 53:34:20					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)				Yes								
Posted:	Lane	SB	On Bridge (m)	5.9	In Advance (Y/N)	No	Lane	NB	On Bridge (m)		In Advance (Y/N)	No
Remarks		NB not required. Advance VC sign required.										
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)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No				
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	West end of bridge settled creating bump.					
Vertical Alignment					7						
Roadway Width (m)		14.000									
Approach Bump					3						
Guardrail (Y/N)		Yes									
Guardrail					7						
Length (m)		23.000									
Current Standard (Y/N)		Yes									
Termination Type		Attenuation									
Drainage					4	Final grading required all 4 corners.					
Approach Road General Rating					7						

Superstructure							
Bridge Component				Last	Now	Explanation of Condition	
(Primary Span : WG, 1 Spans, Lengths(m): 40.537, A-Ident Number:)							
Special Features							
Special Feature				8		MSE wall.	
(Type :)							
Special Feature				X			
(Type :)							
Wearing Surface/Deck Top Detail Ratings							
	N (%)	1 (%)	2 (%)	3 (%)			
Last							
Now							
Wearing Surface				4		H2 with waterproofing system. Junction box jackhammered to expose it.	
(Material Type : ACP)							
(Thickness(mm) : 80)							
Deck Top				N			
Deck Rideability				8			
Deck Joints				3		Stainless steel hex head bolts used on curb coverplates are 6mm proud of the surface.	
Temperature (deg. C)	10						
(Expansion Type : ARMoured GLAND (WABO UNDER FINGER OR SLIDING PLATES))							
(Fixed Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))							
Gap Size (mm)		Gap Location					
76	A1 - gland wabo - fixed						
47	A2 - armoured gland - exp.						
Deck Drainage				7			
Drains Clogged (Y/N)	No						
Curbs/Median				8			
(Curb Type : SINGLE SLOPE CONCRETE BARRIER)							
Scaling (Percent Area)	0						
Bridge Rail				X			
(Type :)							
Bridge Rail Posts				X			
(Type :)							
Bridge Rail/Posts Coating				X			
(Type :)							
Sidewalk				X			
Girder/Beam							
Cover Plate				X			
Flange				8			
Web				8			
Stiffeners				8			
Splice				8			
Weld				N			
Diaphragms/Cross Frame				9			

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : WG, 1 Spans, Lengths(m): 40.537, A-Ident Number:)				
Paint Condition			8	Weathering steel.
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)				
Bearings			8	
Temperature (deg. C)	10			
(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)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating			8	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps			7	
(Type : CONCRETE)				
Backwalls/Breastwalls			7	
Wingwalls			4	
Piles			N	
Paint/Coating			4	
Abutment Stability			7	
Scour/Erosion			X	
Piers/Bents				
(Type :)				
Bearing Seats/Caps			X	
(Type :)				
(Total Number of Bearing Piles :)				
Pier Shaft/Piles			X	
Bracing/Struts/Sheathing			X	
Nose Plate			X	
Paint/Coating			X	
(Colour Description :)				
(Colour Code :)				
Pier Stability			X	
Scour			X	
Debris (Y/N)	Yes			Debris left on abutment seats. Concrete anchors still on site.

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating			7	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment			7	
Traffic Safety Features			X	
Type				
Slope Protection			7	
(Type : CONCRETE; CONCRETE)				
Bank Stability			9	
Drainage			8	
Grade Separation General Rating			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							
SEAL CURBS							
PATCH DECK	2012	Repair hole jackhammered to expose junction box.					
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	Patch approach bump both ends.					
OTHER ACTION	2012	Remove construction debris around site.					
OTHER ACTION	2012	Complete final grading at corners.					
OTHER ACTION	2012	Complete pigmented sealer.					
OTHER ACTION	2012	Remove concrete splash.					
OTHER ACTION	2012	Erect advance vertical clearance sign.					
OTHER ACTION	2012	Repair concrete trough at top of MSE walls.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	/83.3	Sufficiency Rating (Last/Now) (%)	/73.9	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			