

Bridge Inspection										
Bridge File Number	85047 WS3-11 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 L1 6.517;16:16 R1 6.525					Inspector Class	BR CLS A			
Located On	RAMP 4098-3 B					Assistant Name				
Water Body Cl./Year						Assistant Class				
Navigabil. Cl./Year						Inspection Date	21-Apr-2012			
Legal Land Location	SE SEC 18 TWP 53 RGE 25 W4M					Data Entry By	Jill Potts			
Longitude, Latitude	-113:39:57, 53:34:28					Data Entry Date	03-May-2012			
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Dave Lam			
Contract Main. Area	ANTHONY HENDAY DRIVE					Review Date	28-Apr-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)										
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)	5.7	In Advance (Y/N)	No	Lane	WB	On Bridge (m)	6.7	In Advance (Y/N)	No
Remarks	Ramp vertical clearance is 6.1m.											
Required Load Posting (t)												
Posted Loading (t)												
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									

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment			7	
Vertical Alignment			7	
Roadway Width (m)	14.000			
Approach Bump			8	
Guardrail (Y/N)	Yes			
Guardrail			7	
Length (m)	26.000			
Current Standard (Y/N)	Yes			
Termination Type	Attenuation			
Drainage			3	Settlement at SE & NE and final grade not complete.
Approach Road General Rating			7	

Superstructure							
Bridge Component		Last	Now	Explanation of Condition			
(Primary Span : WG, 2 Spans, Lengths(m): 63.954-42.751, A-Ident Number:)							
Special Features							
Special Feature			X				
(Type :)							
Special Feature			X				
(Type :)							
Wearing Surface/Deck Top Detail Ratings							
	N (%)	1 (%)	2 (%)	3 (%)			
Last							
Now							
Wearing Surface			8	H2 with waterproofing system.			
(Material Type : ACP)							
(Thickness(mm) : 80)							
Deck Top			N				
Deck Rideability			8				
Deck Joints			3	All bolts left slightly proud of plates and 1 bolt is damaged because of this on A2. A2 also has 3 plates slightly loose which will only get worse.			
Temperature (deg. C)		8					
(Expansion Type : ARMoured GLAND (WABO UNDER FINGER OR SLIDING PLATES))							
(Fixed Type :)							
Gap Size (mm)		Gap Location					
70		A1 - armoured gland - exp.					
52		A2 - armoured gland - exp.					
Deck Drainage			X	No deck drains.			
Drains Clogged (Y/N)		No					
Curbs/Median			5	Minor chip near top of curb near SE corner.			
(Curb Type : SINGLE SLOPE CONCRETE BARRIER)							
Scaling (Percent Area)		0					
Bridge Rail			7				
(Type : GALVANIZED STEEL BRIDGE TUBE)							
Bridge Rail Posts			7				
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)							
Bridge Rail/Posts Coating			7				
(Type : GALVANIZED)							
Sidewalk			X				
Girder/Beam							
Cover Plate			X				
Flange			8				
Web			8				
Stiffeners			8				
Splice			8				
Weld			N				
Diaphragms/Cross Frame			8				

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : WG, 2 Spans, Lengths(m): 63.954-42.751, A-Ident Number:)				
Paint Condition			8	Weathering steel.
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings			3	A1G1 anchor bolt thread is too long allowing nut to tighten against flange.
Temperature (deg. C)	8			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside			8	
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			8	
(Type : CONCRETE)				
Backwalls/Breastwalls			8	
Wingwalls			8	
Piles			N	
Paint/Coating			8	
Abutment Stability			9	
Scour/Erosion			X	
Piers/Bents				
(Type : PIER-COLUMN)				2 concrete columns.
Bearing Seats/Caps			8	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 21)				Buried.
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			

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating			8	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment			8	
Traffic Safety Features			X	
Type				
Slope Protection			8	SE has slid 15mm.
(Type : CONCRETE; CONCRETE)				
Bank Stability			8	
Drainage			3	Water is ponding at pier.
Grade Separation General Rating			8	

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	2012	Repair 1 damaged bolt. Grind off corner of proud bolts. First attempt at repairing loose plates is to tighten them.					
RESET/ PAINT BEARINGS	2012	Loosen anchor bolt nut and install lock nut at A1G1.					
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2012	Repair settled areas. Complete final grade.					
OTHER ACTION	2012	Repair jack hammered junction box.					
OTHER ACTION	2012	Repair chip in SE barrier.					
OTHER ACTION	2012	Install advance vertical clearance signs.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	/88.9	Sufficiency Rating (Last/Now) (%)	/75.3	Est. Repl. Yr	2087	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor concrete slope for sliding.		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	21-Jan-2014		Previous Inspection Date				

Inspection Cycle (Default) (months)	21
Comment	