

Bridge Inspection									
Bridge File Number	85047 SE-8 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 6.744;16:16 R1 6.744				Inspector Class	BR CLS A			
Located On	RAMP 4098-3 F				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	-113:39:44, 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	8.3 /				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)										
Posted:	Lane	EB	On Bridge (m)	In Advance (Y/N)	No	Lane	WB	On Bridge (m)	In Advance (Y/N)	No
Remarks	EB merge posted 5.6m, vertical clearance posted on sister bridges 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	"Ramp 40"									

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

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment			7	
Vertical Alignment			7	
Roadway Width (m)	8.800			
Approach Bump			7	
Guardrail (Y/N)	Yes			
Guardrail			7	
Length (m)	26.000			
Current Standard (Y/N)	Yes			
Termination Type	Attenuation			
Drainage			3	Final grading required all 4 corners.
Approach Road General Rating			7	

Superstructure					
Bridge Component			Last	Now	Explanation of Condition
(Primary Span : WG, 2 Spans, Lengths(m): 45.088-46.04, 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 waterproofing system.
(Material Type : ACP)					
(Thickness(mm) : 80)					
Deck Top				N	
Deck Rideability				8	
Deck Joints				4	Curb coverplate bolts are slightly proud. Outside fascia at end of joints was left rough and unfinished.
Temperature (deg. C)	2				
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
95		A1 - gland wabo - exp.			
70		A2 - gland wabo - exp.			
Deck Drainage					
Drains Clogged (Y/N)	No			7	No drains.
Curbs/Median					
Curbs/Median				3	Plow scrapes West rail. Caulking failing 2 locations near A1.
(Curb Type : SINGLE SLOPE CONCRETE BARRIER)					
Scaling (Percent Area)	0				
Bridge Rail					
Bridge Rail				X	Rubbed finish.
(Type :)					
Bridge Rail Posts				X	
(Type :)					
Bridge Rail/Posts Coating				7	
(Type :)					
Sidewalk				X	
Girder/Beam					
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 : WG, 2 Spans, Lengths(m): 45.088-46.04, A-Ident Number:)				
Paint Condition			8	Weathering steel.
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings			8	Both abutments integral.
Temperature (deg. C)	2			
(Expansion Type :)				
(Fixed Type : REINFORCED PAD BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside			8	Random hairline cracks on deck fascia and soffit.
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			4	Rough finish left on abutment face by lights.
(Type : CONCRETE)				
Backwalls/Breastwalls			7	No bridge plaques installed.
Wingwalls			3	Fill allowed to escape through gaps with measuring tape easily going in 2.5m.
Piles			N	
Paint/Coating			4	Coating is not between girders though under utilities.
Abutment Stability			9	
Scour/Erosion			X	
Piers/Bents				
(Type : PIER-COLUMN)				Single column.
Bearing Seats/Caps			8	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 15)				Piles 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			4	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment			7	
Traffic Safety Features			7	
Type	Lighting			
Slope Protection			7	SE corner slid 15mm.
(Type : CONCRETE; CONCRETE)				
Bank Stability			7	
Drainage			7	
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							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS	2012	Solve problem of curb coverplate bolts and unfinished fascia at 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	Install bridge plaques.					
OTHER ACTION	2012	Finish final grading.					
OTHER ACTION	2012	Repair 2 failed caulking.					
OTHER ACTION	2012	Repair gaps in wingwalls.					
OTHER ACTION	2012	Repair rough finish on exterior of joints.					
OTHER ACTION	2012	Solve problem of unfinished coating between girders.					
OTHER ACTION	2012	Finish concrete around light fixtures.					
OTHER ACTION	2012	Install advance vertical clearance signs.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	/66.7	Sufficiency Rating (Last/Now) (%)	/66.9	Est. Repl. Yr	2087	Maint. Req'd. (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			