

ASL Ice Profiler™ to be used at Confederation Bridge

The 12.9km long Confederation Bridge linking the Canadian province of Prince Edward Island in the Gulf of St Lawrence to the mainland is subject to a wide range of atmospheric and environmental conditions including forces due to ice buildup during the winter months.

Professor Tom Brown, Head of Civil Engineering at the University of Calgary is responsible for a long-term monitoring program to observe these forces, and has selected the Ice Profiler from ASL Environmental Sciences of Sidney, BC Canada as part of a suite of instruments to be used to monitor a wide range of conditions at two piers on the bridge. Purchased by Public Works and Government Services Canada, this Ice Profiler will replace two older, less reliable instruments.

The Ice Profiler, connected to an instrumentation room within the bridge, will provide real-time ice keel data which will be integrated with data from other instruments to provide a complete picture of forces acting upon the bridge.

For more information, see www.aslenv.com, www.eng.ucalgary.ca/Civil/ice/ and www.confederationbridge.com

September 2003