

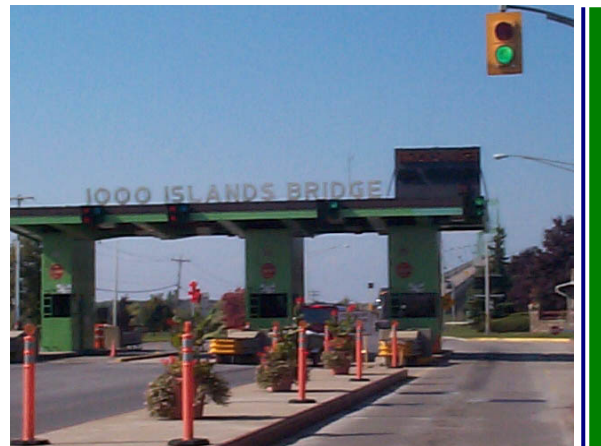
WIM Overload Prevention

Thousand Islands Bridge Authority



Prevention of truck overloads is critical to the safe performance and longevity of the Thousand Islands Bridge, which crosses the St. Lawrence River between Alexandria Bay, New York and Ivy Lea, Ontario. The bridge system consists of several long spans, including an 800-foot long suspension bridge rising to 150 feet of clearance over the river. 1,000 to 2,000 trucks per day cross the bridge in each direction. Included in that volume are potentially overweight trucks carrying aluminum ingots south from Canada to mills in the U.S.

METTLER TOLEDO Weigh in Motion (WIM) systems are being used at both the Northbound (U.S.) and Southbound (Canadian) side of the bridge in conjunction with a toll system to monitor overloads. As trucks approach the tollbooth, they cross over the WIM scale at approximately 10 mph. If a truck exceeds the 90,000 lb. gross weight load limit, 24,000 lb single axle load limit, or is in violation of the Thousand Islands Bridge Formula, the WIM system automatically provides a visible and audible alarm to the tollbooth operator. The operator then notifies the trucker that a special overweight permit is required. Trucks are instructed to maintain 500 ft. spacing as they cross the bridge.



J.B. Brady, Inc., the METTLER TOLEDO distributor in the Syracuse, NY area, performs bi-annual calibration and routine maintenance. These services help assure accurate scale performance and long scale operating life.

METTLER TOLEDO Weigh in Motion is a valuable solution for protecting roadways and bridges, and helps to assure safe conditions for all motorists.

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