



Minto East Bridge

Ottawa, Ontario, Canada

Overview

Minto Bridge is a three-bridge structure which connects two small islands to the shores on either side of the Rideau River. Constructed in 1900, the bridge was an effort to improve Ottawa's infrastructure. The bridge needed new FRP decks to last more than 50 years.

Owner: City of Ottawa

Installation Date: December 2015

Bridge Deck Dimensions

Deck Size: 130 feet by 19 feet

Deck Area: 2,470 square feet

Deck Panel Dimensions: 18.3 feet by 9.7 feet

Deck Depth: 12 to 14 inches

Deck Height: 29 psf

Bridge Features

Requirements: 16,600 lb wheel load; L/400 deflection

Superstructure: Steel floor beams

Beam Spacing: 18.3 feet

Deck to Beam: Connection: Mechanical fasteners and clips

Special Requirements: Curbs bolted to decks

Skew: None

Overlay: Polymer concrete using aluminum oxide

Guard Rail: Attached to truss

Color: White

