



Wilson Burt Bridge

Niagara County, New York

Overview

The 442-foot long structure carries highway and pedestrian traffic over Eighteen Mile Creek. Built in 1939, the bridge had a narrow concrete sidewalk. By switching to a lightweight FRP sidewalk, a wider path was created without increasing the load on the vehicle bridge.

Owner: Niagara County, New York
 Installation: November 2015

Deck Deminsions

Deck Size: 442 feet by 5.4 feet
 Deck Area: 2,385 square feet
 Deck Panel Dimensions: 22 feet by 5.4 feet
 Deck Depth: Cross-slope from 6.375 to 5 inches
 Deck Weight: 7.9 psf

Sidewalk Features

Requirements: 90 psf live load; L/500 deflection
 Superstructure: Steel floor beams
 Beam Spacing: 22 feet
 Deck to Beam Connection: Mechanical fasteners and clips
 Special Requirements: Cross-slope of 1.7%

Skew: None
 Non-Slip Overlay: Epoxy aggregate
 Guard Rail: Rail posts mounted to deck
 Color: Light grey

