



Eight Mile Bridge

Hamilton County, Ohio

Overview

The Eight Mile bridge in Hamilton, OH, is the first FRP composite bridge superstructure in which the deck and the beams were integrally molded as one part. Prior to installation, the bridge dry fitted and assembled in the shop. It took crews only one day to install the bridge, which will last twice as long as one made of concrete and have significantly less maintenance costs.

Owner: Hamilton County, OH

Installation Date: April 2008

Bridge Deck Dimensions

Deck Size: 22 feet by 61 feet

Deck Area: 1335 square feet

Deck Panel Dimensions: 5.5 feet

Deck Depth: 22 inches

Deck Weight: 26 psf

Bridge Features

Requirements:

- HS-25 vehicle; L/800 deflection

Superstructure: FRP beams integral with deck

Beam Spacing: 22.5 in

Connection Type: Integral

Railing: Guardrail attached to abutments

Special Requirements:

- Cross Slope
- Integral concrete abutment

Non Slip overlay: Asphalt

Color: Gray

