



Franklin Street Bascule Bridge

Michigan City, Indiana

Overview

Michigan City's draw bridge over Lake Michigan was no longer functional after concrete and steel failed under extremely cold temperatures, causing the blocking of the boats from Trail Creek. The community needed an emergency fix, and a new FRP deck panels were put in place on the bridge within a month.

Owner: Michigan City

Installation Date: March 2019

Requirements:

- 30 psf live load; L/500 deflection

Vehicle load HL-93

Superstructure: Steel Stringers

Deck to Beam Connection: direct bolt to stringers; mechanical clip

Bridge Deck Dimensions

Deck Size: 182 feet by 31 feet

Deck Area: 5642 square feet

Deck Panel Dimensions: 15 feet by 35 feet

Deck Depth: 7 inches

Deck Weight: 23.5 psf

Bridge Features

Skew: None

Non Slip overlay: aluminum oxide aggregate

Color: Black

