



29th Street Bridge Washington D.C.

Overview

Located in the Georgetown area, a decaying bridge over the historic C&O canal was replaced with steel girders and FRP deck. The combination minimized the bridge height to allow tour boats to pass underneath. An FRP sidewalk was installed on one side of the deck.

Owner: District DOT

Installation Date: October 2012

Bridge Deck Dimensions

Deck Size: 39.5 feet by 32.2 feet

Deck Area: 1270 square feet

Deck Panel Dimensions: 7.9 feet by 32.2 feet

Deck Depth: 5.375 inches

Deck Weight: 16 psf

Bridge Features

Requirements: HS-25 Vehicle; L/400 deflection

Superstructure: Steel girders

Beam Spacing: 3 feet-11 inches

Deck to Beam: Connection: Bolted to welded shear studs

Skew: 18 degrees

Overlay: Asphalt

Guard Rail: Attached to steel superstructure

Color: Gray

