



State Route 410

Bonney Lake, Washington

Overview

As part of the overall vehicle bridge rehabilitation a wider sidewalk was added by using lightweight FRP decking on the edge of the bridge

Owner: City of Bonney Lake

Installation Date: August 2015

Bridge Deck Dimensions

Deck Size: 106 feet by 6 feet

Deck Area: 636 square feet

Deck Panel Dimensions: 10.6 feet by 6 feet

Deck Depth: 4.5 inches

Deck Weight: 8.6 psf

Bridge Features

Requirements:

- 90 less than psf dead load; L/360 deflection

Superstructure: Edge Stringers

Deck to Beam Connection: Bonded to stringer angles

Beam Spacing: 6 feet

Skew: 78 degrees

Non Slip overlay: epoxy aggregate

Color: Washington Gray

Guard Rail: Mounted to superstructure

