



Bellingham Square Station

Chelsea, Massachusetts

Overview

The Bellingham Square pedestrian access ramp is located parallel to the Bellingham Square Station. It connects the adjacent transit stations with upper level streets, eliminating walking time for transit riders. The three level switchback bridge is made with prefabricated FRP decking. The access ramp was opened in May 2019.

Owner: Massachusetts Department of Transportation

Installation Date: January 2018

Requirements:

- 90 psf live load; L/360 deflection

Superstructure: Concrete Beams

Beam Spacing: up to 20 feet

Deck to Beam Connection: angle brackets

Bridge Deck Dimensions

Deck Size: 95.8 feet by 16.8 feet

Deck Area: 2,092 square feet

Deck Panel Dimensions: 10 feet by 8 feet

Deck Depth: 5 inches

Deck Weight: 9 psf

Bridge Features

Special Requirements:

- Switchback ramps
- Ramp landing panels have multiple slopes to drainage scuppers

Non Slip overlay: Quartz Aggregate

Guard Rail: Attached to integral curbs

Color: Blue-Gray

