

### 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

## **Bridge Features**

#### Requirements:

- 90 psf live load; L/360 deflection
- Superstructure: Concrete Beams
- Beam Spacing: up to 20 feet
- Deck to Beam Connection: angle brackets

#### Special Requirements:

Deck Depth: 5 inches

Deck Weight: 9 psf

Deck Size: 95.8 feet by 16.8 feet

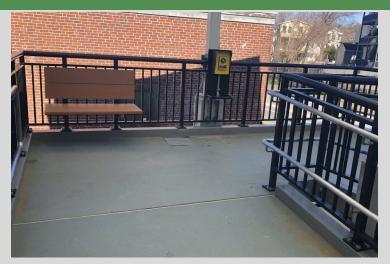
Deck Panel Dimensions: 10 feet by 8 feet

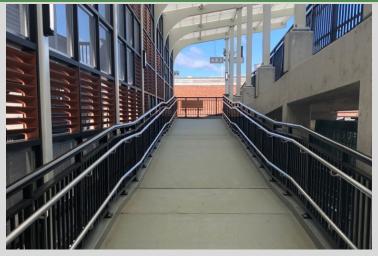
Deck Area: 2,092 square feet

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

**Bridge Deck Dimensions** 

Non Slip overlay: Quartz Aggregate Guard Rail: Attached to integral curbs Color: Blue-Gray





info@compositeadvantage.com

www.compositeadvantage.com