

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

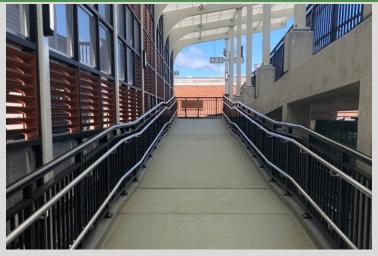
Deck Area: 2,092 square feet

- 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





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