Bellingham Square Station
Chelsea, Massachusetts

Overview
The Bellingham Square pedestrian walkway is located parallel to the Bellingham Square Station. It connects the adjacent transit stations of Bellingham and Chelsea, eliminating walking time between the two. The three level switchback bridge is made with prefabricated FRP decking.

Owner: Massachusetts Department of Transit
Installation Date: January 2018

Bridge Deck Dimensions
- Deck Size: 95.8 feet by 16.8 feet
- Deck Area: 2092 square feet
- Deck Panel Dimensions: 10 feet by 8 feet
- Deck Depth: 5 inches
- Deck Weight: 9 psf

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:
- 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

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