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 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
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