



North Bank Bridge

Boston, Massachusetts

Overview

This signature bridge connects two parks along the North Bank of the Charles River in Boston. The parks were separated by a river and transit rail. The bridge completes a long and heavily used pedestrian and bicycle trail. The bridge has a curving S-shape to fit with existing structures.

Owner: Massachusetts DOT
Installation Date: May 2012

Bridge Deck Dimensions

- Deck Size: 690 feet by 12 feet
- Deck Area: 8,280 square feet
- Deck Panel Dimensions: 10.3 feet by 12 feet
- Deck Depth: 5 inches
- Deck Weight: 11 psf

Bridge Features

Requirements:

- 100 psf live load; L/500 deflection
- 6,400 lb maintenance vehicle

Superstructure: Steel chords with floor beams

Beam Spacing: 10.3 feet

Deck to Beam Connection: Mechanical fasteners to floor beams

Special Requirements:

- Deck panels include curbs and expansion joints

Skew: None

Non-Slip Overlay: Epoxy aggregate

Guard Rail: Attached to steel superstructure

Color: Gray

