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