



West Thames

Manhattan, New York

Overview

Manhattan is one of the most crowded places in the country. The accessibility can be difficult sometimes in such a populated area, especially with a complicated roadways. The goal was to give accessibility across West Street, and a four lane road. This bridge was made on the more upscale side, with the inclusion of a glass roof and the lenticular truss.

Owner: J.D'Annunzio & Son's Inc.
Installation Date: October 2017

Requirements:

- 90 psf live load; L/360 deflection

Superstructure: Concrete Beams

Beam Spacing: 77 feet

Deck to Beam Connection: Angle Brackets

Bridge Deck Dimensions

Deck Size: 219 feet by 15.9 feet

Deck Area: 3482 square feet

Deck Panel Dimensions: 12.9 feet by 12.9 feet

Deck Depth: 4 inches

Deck Weight: 8.4 psf

Bridge Features

Special Requirements:

- Elevator and Stairwell at ends
- Firehose Box
- Glass Roof
- Lenticular Truss

Non Slip overlay: Quartz Aggregate

Color: Gray

