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

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
Requirements:
- 90 psf live load; L/360 deflection
Superstructure: Concrete Beams
Beam Spacing: 77 feet
Deck to Beam Connection: Angle Brackets

Special Requirements:
- Elevator and Stairwell at ends
- Firehose Box
- Glass Roof
- Lenticular Truss
Non Slip overlay: Quartz Aggregate
Color: Gray