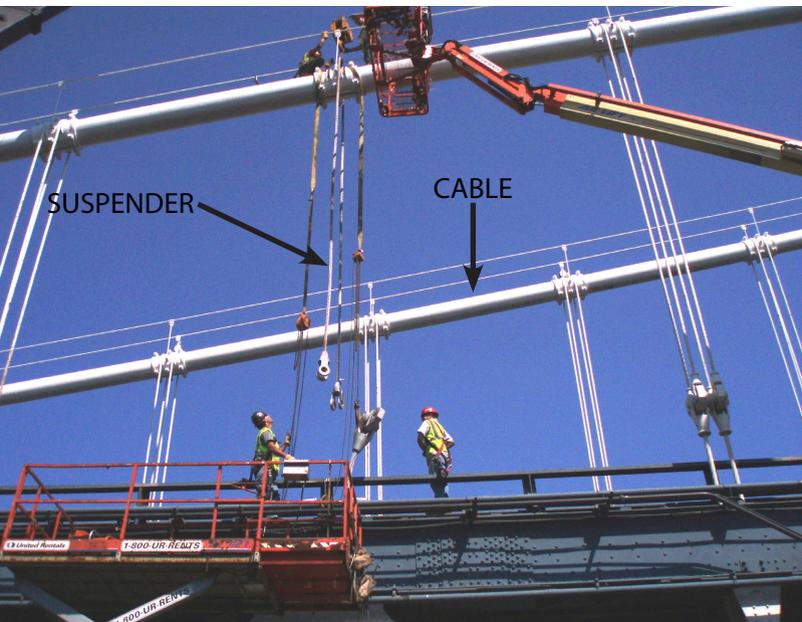


Main Cable Rewrapping & Suspender Rope Replacement



The Manhattan Bridge Reconstruction Program

The \$834 million reconstruction program began in 1982 with Contract No. 1 and continues under Contract No. 14, scheduled for completion in June 2013.

Rehabilitation accomplished on the bridge to date includes: reconstruction of the north and south upper roadways; reconstruction of the north and south subway tracks; installation of a truss stiffening system (to reduce twisting); restoration of Manhattan Plaza including the landmarked Arch and Colonnade; reconstruction of the south walkway; installation of a new north bikeway; and replacement of the lower roadway.

Contract No. 14, which began in January 2010, will include total replacement of all 628 bridge suspenders; main cable rewrapping; replacement and upgrade of the necklace lighting; and installation of maintenance platforms at the bridge towers.

PROJECT TEAM

PROJECT OWNER
NYC DOT - Division of Bridges - East River Bridges

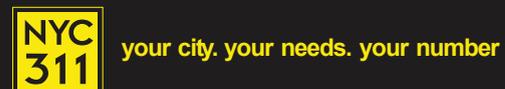
CONTRACTOR
Skanska Koch

RESIDENT ENGINEERING INSPECTION CONSULTANT
Greenman-Pedersen, Inc.

DESIGNER & CONSTRUCTION SUPPORT SERVICES CONSULTANT
Weidlinger Associates

COMMUNITY OUTREACH CONSULTANT
Sam Schwartz Engineering, PLLC

For all NYC non-emergency services, including inquiries and complaints regarding NYC DOT Construction Projects, dial 311. Be prepared to give the following information so your call can be directed properly: Your name and borough; the contract number (BRC-156R) and your return phone number.



*Please be prepared to give the contract number

REHABILITATION OF THE MANHATTAN BRIDGE CONTRACT No. 14

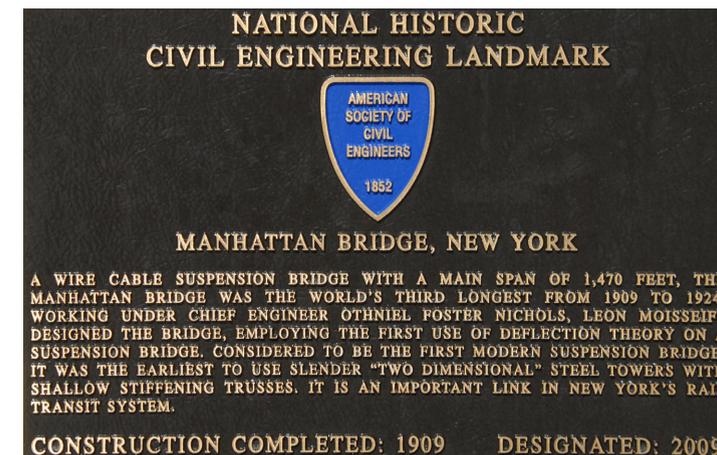
Bridge History

The youngest of the three NYC DOT East River suspension bridges, the Manhattan Bridge was designed by Leon Moisseiff (1872-1943) and completed in 1909. The Manhattan Bridge's total length is 6,090 feet; its main span length is 1,470 feet and each of its four cables is 3,224 feet.

This two-decked suspension bridge carries automobile, truck, subway, bicycle, and pedestrian traffic over the East River. It connects Flatbush Avenue in Downtown Brooklyn with Canal Street in Chinatown, Manhattan. The Manhattan Bridge is distinguished by an elaborate stone portal and vast plaza at its Manhattan end, which was designed by the renowned architectural team of Carrere and Hastings.

On an average weekday, the Manhattan Bridge accommodates 75,000 vehicles, 3,000 bicyclists and pedestrians, and 320,000 transit riders traveling between Manhattan and Brooklyn. It supports seven lanes of vehicular traffic, four transit train lines, a pedestrian walkway and a Class 1 bikeway. The Manhattan Bridge is also a major truck route. 75% of all Manhattan Bridge users travel "green."

In 2009, the Manhattan Bridge was designated as a National Historic Civil Engineering Landmark by the American Society of Civil Engineers – the same year as the bridge's 100th anniversary. A bronze plaque was installed on the pedestrian/south side walkway on the Brooklyn side of the bridge, near the intersection of Jay Street and Sands Street.



Frequently Asked Questions

Project Description

Q: What work will be conducted in Contract No. 14?

A: All of the Manhattan Bridge's 628 suspenders will be replaced; the cables will be re-wrapped; necklace lighting will be replaced and upgraded; and maintenance platforms will be built at the towers.

Q: What is a suspender?

A: Think of harp strings: A suspender consists of vertical ropes or cables which carries a portion of the weight of the deck (with traffic loads) to the main bridge cables. The main cables connect the tower tops and anchorages and give the classic parabolic shape of suspension bridges.

Coordination with Other Projects

Q: Will this project be coordinated with other nearby construction projects?

A: Yes. The NYC DOT coordinates the construction schedules for the Manhattan Bridge and the Brooklyn Bridge to ensure that traffic impacts are minimized. During Brooklyn Bridge closures, the Manhattan Bridge will be open. Additionally, NYC DOT is coordinating Contract No. 14 related activities with local street construction projects.

Construction and Traffic Impacts

Q: When will this work be performed and how will lane closures affect weekday rush hour traffic?

A: Most work will occur Monday through Friday between 7:00 a.m. and 3:30 p.m. There will be minimal weekend or night work. During the daytime, lane closures could occur in the Manhattan-bound or Brooklyn-bound direction. An HOV lane will be maintained during morning rush hours on the north upper roadway, Monday through Friday.

Q: What are the impacts to pedestrians and bicyclists using the Manhattan Bridge?

A: Pedestrians and bicyclists will always be able to cross the Manhattan Bridge during Contract No. 14, but some detours will be necessary. Detours will be announced and marked in advance of these changes. The bicycle and pedestrian path closures and detours are a necessary safety measure to prevent injury as work takes place above.

Construction Schedule

Q: What is the duration of the project?

A: Three years, from early 2010 until June, 2013. (1,264 consecutive calendar days.)

Outreach

Q: Where can I get more information or voice a concern?

A: Please contact the Community Liaison, Teresa Toro, for Manhattan Bridge community outreach at 347-325-1622 or at manhattanbridgeoutreach@gmail.com.

Q: Will information be available in other languages?

A: Yes. Information will be translated into Chinese and Spanish, and will be available on the NYC DOT website (see link below).

Find more FAQs at:

<http://nyc.gov/html/dot/html/bridges/manhattanbrg.shtml>



Traffic Changes

During the course of the work, it will be necessary to close lanes to traffic. One lane on the lower roadway will be closed 24/7 during this project except when the Brooklyn Bridge is closed to inbound traffic on weekends. Upper roadway lane closures will occur during off-peak hours. However, at least four traffic lanes will be open at all times, with lane direction reversals on the lower roadway to maximize traffic flow and accommodate morning and evening rush hours on weekdays.

The Brooklyn Bridge will be under construction at the same time as Manhattan Bridge Contract No. 14. NYC DOT anticipates heavy usage of the Manhattan Bridge on those weekends when Brooklyn Bridge inbound traffic is detoured. At those times, all Manhattan Bridge inbound traffic travel lanes will be open.

Pedestrians/Cyclists

During Contract No. 14, pedestrians and cyclists will enjoy uninterrupted bridge access. However, detours will be necessary in order to preserve safety for construction workers and the riding and walking public. To sign up for detour updates, please email manhattanbridgeoutreach@gmail.com.

Subway Passengers

We anticipate up to two weekend service disruptions on the D line as a result of Manhattan Bridge cable rehabilitation and suspender work. To sign up for detour and other updates, please email manhattanbridgeoutreach@gmail.com. You may also check the MTA-NYC Transit website for service advisories: <http://travel.mtanyct.info/serviceadvisory/>.