

February 2012 Update

Replacement of the Existing Water Siphons between Brooklyn and Staten Island “Siphon Project”

Please find below a summary of completed and projected work related to the “Replacement of the Existing Water Siphons between Brooklyn and Staten Island” project (“Siphon Project”). The New York City Economic Development Corporation (EDC) is administering the project, which is being funded by the New York City Department of Environmental Protection (DEP) and the Port Authority of New York & New Jersey (PANYNJ).

Major components of the project include the following:

- use of a tunnel boring machine (TBM) to install a new 72” water siphon
- installation of land piping (new water mains and sewers) in Staten Island and Brooklyn using open cut and microtunneling techniques
- construction of a new “green building” chlorination station in Staten Island
- implementation of an extensive community outreach program, including development of informational materials and ongoing liaison with residents, businesses and other stakeholders

Initial work has focused on project mobilization and site preparation (Staten Island), collection of baseline data (Staten Island and Brooklyn), coordination with ConEdison and National Grid regarding relocation of gas and electric lines in advance of construction, and application for permits. Construction began in August 2011 with the start of work on the shaft in Staten Island, where the TBM will begin tunneling operations; work on the Brooklyn shaft is scheduled to begin in February 2012.

Work Completed in January

- Demobilization of equipment used for construction of the slurry wall for the Staten Island shaft
- Initiation of starter trench excavation in preparation for launch of the TBM
- Collection of baseline data (noise, vibrations, groundwater levels) in Staten Island and Brooklyn
- Transport of portions of the TBM to the site
- Continuation of design work related to construction of the slurry wall for the Brooklyn shaft, which will be located within Shore Road Park (just south of 83rd Street opposite Fort Hamilton High School), including coordination with the New York City Department of Parks and Recreation
- Continuation of preparatory work (drawings, permit applications and other submittals) in support of land piping activities in Staten Island and the shaft in Brooklyn. This includes coordination with National Grid and ConEdison regarding utility work in Staten Island.
- Continuation of land piping activities in Staten Island, including work related to:
 - completion of relocation of a section of gas line in Victory Boulevard, east of the Staten Island Railroad (SIRR), to accommodate construction of the jacking pits. [NOTE: Work on the section of pipe west of the SIRR was completed in December.]
 - preparation for installation of two (2) jacking pits in advance of microtunneling activities to install a new water main beneath the SIRR tracks at Victory Boulevard. This includes installation of sheeting for the pit located west of the SIRR.

- completion of guniting (spraying concrete) sections of an existing 72" sewer beneath Victory Boulevard, between Bay Street and Murray Hulbert Avenue, to strengthen a portion of the pipe
- Realignment of the Front Street curve, located just south of Hannah Street, to allow the two existing work zones to be combined, thereby eliminating the need to periodically stop traffic on Front Street to accommodate construction vehicles traveling between the two work areas. (Traffic was shifted to the new roadway on January 26th.)
- Community outreach activities, including a meeting with Staten Island Community Board #1's Waterfront Committee; distribution of informational materials; coordination with Bay Street Landing (BSL), Staten Island Community Board #1 and Brooklyn Community Board #10; and liaison with residents, businesses, and stakeholders in the project area

Work Projected for February

- Completion of transport of the TBM to the site
- Continuation of starter trench excavation in preparation for launch of the TBM (anticipated for April)
- Mobilization (fencing of site, tree pruning and removal, as required, etc.) in preparation for construction of the slurry wall for the Brooklyn shaft
- Continuation of land piping activities in Staten Island, including work related to:
 - completion of construction of two (2) jacking pits and initiation of microtunneling in connection with installation of a new water main beneath the SIRR tracks at Victory Boulevard [**NOTE:** Microtunneling beneath the SIRR tracks will proceed from west to east. Due to the nature of the tunneling operation, as well as the location beneath the SIRR, work will occur around the clock. This work is currently scheduled for the second weekend in March.]
 - replacement of a section of the 72" sewer beneath Victory Boulevard, between Bay Street and Murray Hulbert Avenue (work anticipated to begin in late February)
- Continuation of community outreach program, including meetings with Staten Island Community Board #1's Waterfront Committee, Brooklyn Community Board #10, residents of BSL and representatives of Fort Hamilton High School, as needed; preparation and distribution of informational materials (Project Update, construction notices, web site, etc.); coordination with Staten Island Community Board #1 and Brooklyn Community Board #10; and ongoing liaison with residents, businesses and other interested stakeholders and constituencies

For additional information concerning these activities or other aspects of the Siphon construction project, please contact:

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Or visit the project website at: <http://www.nycedc.com/project/replacement-anchorage-channel-water-siphons>. [**NOTE: New website address as of 1/16/12.**]

NOTE: Recent construction photos follow.



Relocation of gas line on Victory Boulevard, east of SIRR tracks



Installation of sheeting for jacking pit,
Victory Boulevard just west of SIRR tracks
(looking west towards Bay Street)