2022 YEAR IN REVIEW NEWSLETTER

HIGHLIGHTS

- Project Overview
- Frequently Asked Questions
- Construction Milestones
- Community Outreach

Protecting Our Community for the Future
2022 BAY PARK CONVEYANCE PROJECT OVERVIEW

PROJECT GOALS AND BENEFITS

The Bay Park Conveyance Project is a partnership between the New York State Department of Environmental Conservation (NYSDEC) and the Nassau County Department of Public Works (NCDPW). NYSDEC and NCDPW are improving water quality and storm resiliency in Long Island’s Western Bays by upgrading its wastewater management infrastructure. The Project will convey treated water from the South Shore Water Reclamation Facility (SSWRF) at Bay Park to the existing Cedar Creek Water Pollution Control Plant's (WPCP) ocean outfall pipe, which discharges and diffuses treated water three miles offshore in the Atlantic Ocean.

This Project will restore the Western Bays by reducing nitrogen loading into the waters. This will allow for marshlands to recover, bringing more storm protection to local communities. Benefits also include cleaner water resulting in restoration of the Bays’ ecology and return of recreational and economic opportunities. This will improve quality of life to coastal communities and beyond.

FREQUENTLY ASKED QUESTIONS

Q: What construction work is happening along Sunrise Highway?

A: The Bay Park Conveyance Project's Design-Build contractor, Western Bays Constructors (WBC), began sliplining along Sunrise Highway in March 2022. Sliplining is a trenchless construction technique that is repurposing more than seven miles of an abandoned aqueduct under Sunrise Highway between Rockville Centre and Wantagh. Sliplining is the process of installing a new smaller pipe inside a larger existing pipe. To minimize disturbance, construction crews build discrete pits to access the existing aqueduct. At the base of each pit, crews install a hydraulic jacking machine to push the new conveyance pipe into the aqueduct. Construction activities at pits off the roadway may occur both day and night. For pits on the roadway, construction activities occur at night. During the day, the pits are covered with concrete road planks so traffic on Sunrise Highway can safely drive over them.

Q: What construction is happening from Bay Park to Sunrise Highway, and from Sunrise Highway to Cedar Creek?

A: Construction activities to support microtunneling are underway from the SSWRF in Bay Park to Sunrise Highway (close to Mill River) and from Sunrise Highway to the Cedar Creek WPCP in Wantagh (close to the Wantagh State Parkway). Microtunneling is a trenchless digging technique used to build tunnels deep below the surface, from discrete locations called shafts. Construction activities at the shaft sites are generally performed during the day but nighttime work may occur. WBC began microtunneling in 2022 on both the eastern and western sides of the Project.

For a list of commonly asked questions and answers, visit www.bayparkconveyance.org
CONSTRUCTION PROGRESS 2022

SLIPLINING PROGRESS ON SUNRISE HIGHWAY

On March 14, slilining began on Sunrise Highway in Freeport. WBC has made tremendous progress, completing over 56% of slilining for the Project. In 2022, WBC advanced construction at 17 of 24 work pits along Sunrise Highway. By the end of 2022, over 21,256 linear feet of new fiberglass pipe was installed between Pit A to Pit D and Pit N to Pit W.

PRODUCTION LEVELS HAVE EXCEEDED PROJECTIONS!

Throughout 2022, crews worked on constructing a new pump station, a wet well, and a diversion structure near BP1 located within the footprint of the SSWRF. At the end of 2022, WBC began constructing a cover for the wet well and erected extensive structural steel to support the foundation and superstructure of the pump station. The new conveyance pipe extending from BP1 north is now grouted and BP1 is backfilled. This infrastructure will redirect and pump treated water into new conveyance pipe where it will travel approx. 16 miles before it is discharged offshore.

MICROTUNNELING PROGRESS ALONG THE CORRIDOR

May 2022 marked the successful completion of the Project’s first microtunnel operation. The Project’s first Microtunnel Boring Machine (MTBM), named MARSH-MELLOW, drove over 1,400 linear feet from Bay Park Shaft 2 (BP2) to Bay Park Shaft 1 (BP1) and continued from BP2 to Bay Park Shaft 3 (BP3). Crews worked throughout the year to install SOE, perform full shaft excavations, construct concrete liner walls and to prepare all 14 shafts for microtunneling.

In October, P.O.S.E.I.D.O.N., the Project’s second MTBM, successfully launched from Cedar Creek Shaft 2 (CC2) located at the Cedar Creek WPCP, marking the start of microtunneling operations on the east side of the Project. The tunnel drive from CC2 to CC1 was nearly 1,200 linear feet. P.O.S.E.I.D.O.N. began microtunneling north toward Cedar Creek Shaft 3 (CC3) at Cedar Creek Park.

PROGRESS BY THE NUMBERS

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<thead>
<tr>
<th>SLIPLINING PROGRESS BY THE NUMBERS</th>
<th>MICROTUNNELING PROGRESS BY THE NUMBERS</th>
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<tr>
<td>17/24 PITS CONSTRUCTED</td>
<td>14/14 SHAFTS CONSTRUCTED</td>
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<tr>
<td>21,256 LINEAR FEET OF SLIPLINING COMPLETED</td>
<td>6,946 LINEAR FEET OF MICROTUNNELING COMPLETED</td>
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<tr>
<td>99% OF DESIGN COMPLETED</td>
<td>50% OF OVERALL CONSTRUCTION COMPLETED</td>
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<td>57% OF SLIPLINING COMPLETED</td>
<td>35% OF MICROTUNNELING COMPLETED</td>
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<td>6 PITS TEMPORARILY RESTORED</td>
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COMMUNITY OUTREACH AND ENGAGEMENT

The Bay Park Conveyance Outreach Team is committed to engaging the public and keeping the residents along the Project corridor informed of construction activities. In 2022, our team facilitated a number of opportunities to share project news, including quarterly public information sessions and monthly meetings with first responders, elected officials, and community stakeholder organizations. The team took part in various additional outreach events, including presentations for Operation SPLASH and the South Merrick Community Civic Association. These meetings were well-attended and we appreciated having open discussions with the participants. Thank you to those who invited us and participated.

CONNECITNG WITH LOCAL BOY SCOUTS

On March 14, members of the Bay Park Conveyance Project Team were joined by Boy Scout Troop 485 at the Project’s Community Information Center (CIC). The Project Team described construction techniques and discussed how the Project will protect coastal communities from storm surge, improve quality of life, and expand water-based recreational and commercial opportunities. Thank you to the Scouts and parents who participated!

IN YOUR NEIGHBORHOOD

Construction activities can be disruptive—on the operation of heavy machinery, the sounds of equipment, the day and night-time work, and the increased presence on roadways and in the community. The Bay Park Conveyance Project’s robust Community Outreach Program is working hard to keep the public in the know. Canvasing is one of many tools we use to inform the public of upcoming construction activities. In 2022, the WBC Community Ambassador visited homes and businesses throughout the Project corridor, canvassing over 2,500 locations.

In addition to Communications and Public Outreach, WBC has numerous quality control plans, a detailed health and safety plan, site security protocols, and an extensive site monitoring program in place. Collectively, these plans and measures protect the work zone, the workers, and the community. In 2023, WBC will continue all efforts to keep the public informed and engaged.

COMMUNITY INFORMATION CENTER

COMMUNITY OUTREACH TOOLS

Door-to-Door Canvassing, Construction Look Aheads and E-Blasts

"Before You Go" Facebook Campaign Posted Weekly

Dedicated 24/7 Project Hotline, Email, Facebook and Website

Virtual and In-Person Meetings

Are you interested in learning more about the Bay Park Conveyance Project? Do you have questions about construction means and methods or are simply curious about the Project’s future benefits? The CIC, located at 265 Sunrise Highway in Rockville Centre, is open. WBC is continuing to respond to email inquiries and calls from the hotline and offers in-person and virtual meetings from the CIC. Schedule an appointment by calling (516) 252-6121 or email the Project at bayparkconveyance@gmail.com.
The Bay Park Conveyance Project is one of several resiliency and sustainability projects Nassau County is pursuing to improve water quality of the Western Bays. The regional vision includes nitrogen removal, ocean outfall discharge of treated effluent, and consolidation of local wastewater treatment plants. Additional projects include the Long Beach Water Pollution Control Plant Consolidation Project, the Point Lookout Sewer Study, and the SSWRF Resiliency Upgrades.