



New York & New Jersey Pipeline Expansion Support

HOBOKEN, NJ & MANHATTAN, NY

PROJECT HIGHLIGHTS

- Cashman provided sheet pile cofferdam design construction and removal to facilitate tie-in, along with marine support during HDD operations.
- The HDD method, along with the associated drill platform design and pipeline tie-ins, were all innovatively designed through partnering with the prime contractor, owner and subcontractor.
- Provided pipeline pullback design and execution. Utilized a pullback/above-water tie-in method of 30" gas pipeline, facilitating a 100% welded pipeline tie-in.
- Support of 30" diameter pipe HDD operations from the water, due to limited land access to the drill site in Hoboken, NJ.
- Provided 1,800' x 70' PZ-13 sheeting and associated falseworks for construction of a cofferdam to facilitate sub-bottom pipeline tie-in and backfill.
- Supported the design, fabrication, installation and removal of a 350-ton marine drill platform supported by forty 2.5' x 120' piles.
- Using an environmental clamshell bucket, dredged 10,000 cubic yards (CY) at two pipeline tie-in locations, with backfill after pipeline placement.
- Disposed of 7,500 CY of contaminated dredged material, and provided amending and upland disposal.
- Worked closely with the local transit authority to assure no disruption to the local commuter traffic. On-shore/near-shore work areas were close to pedestrian accessways and commuter terminals. Additional safety precautions were taken to assure no interruption to the +30,000 people per day utilizing the commuter ferries and trains.
- High marine traffic in the Hudson River required constant monitoring of traffic with Port Control.

Location:	Hudson River Hoboken, NJ - Manhattan, NY
Contractor:	Jay Cashman, Inc. / Sterling Equipment
Contract Dates:	Aug. 2012 - Aug. 2013
Dollar Value:	\$40.0 Million
Awarding Authority / Owner:	Spectra Energy Transmission, LLC
Prime Contractor:	Michels Directional Crossing

Cashman provided marine support and tie-in for a 30-inch gas pipeline crossing the Hudson River via Horizontal Directional Drilling (HDD). Total value of this Spectra Energy-NY/NJ Gas Pipeline Expansion Project was \$900 million.

