

Project Impactor: On Location

HDD Pipe Bursting at JFK Airport, New York City, NY



On the grounds of John F. Kennedy International Airport a 3,500' section of forced sewer main was in desperate need of repair. The main was asbestos concrete and next to a swamp so the ecological effects of replacement by open cutting could have been severe. This line was also next to a major thoroughfare of JFK International Airport. Enter New York Underground. They decided to pipe burst the line in order to decrease the social and ecological impact of open cut replacement.

New York Underground chose the 12" Air Impactor™ and D33x44 Vermeer® Navigator® to complete the job. The Air Impactor was up to the challenge. The entire line was replaced in a total of 9 pulls and completed in 7 working days by a 4 man crew. Average production rates of the Air Impactor ran close to 5 feet per minute throughout the entire job.

On the fifth day of the job, they actually had to quit early because they ran out of pipe.

The Air Impactor outperformed everyone's expectations and showed once again that pipe bursting with the Air Impactor is, "Just another Drill Job".

Project Details

Contractors	New York Underground
Date	June 3 - 13, 2002
Project	Sewer replacement in Brooklyn, New York
Specifications	3,306 feet of 12" Asbestos Concrete replaced with 12" HDPE
Equipment	12" Air Impactor™ and Vermeer® Navigator® D33x44 Horizontal Directional Drill



Production Rates

Pull	Length (feet)	Minutes*	Average Time ft/min*
1	200	60	3.3
2	410	90	4.6
3	320	60	5.3
4	480	90	5.3
5	380	80	4.8
6	380	75	5.1
7	416	105	4.0
8	300	60	5.0
9	420	90	4.7
Total	3306	710	4.7

*Production rates and times include rod changes.

Project Impactor: On Location

HDD Pipe Bursting at JFK Airport, New York City, NY



Above: Setting up for the fifth pull of the job. 380' of HDPE is sitting next to the drill for the following pull.

Top right: A D33x44 drill stem entering the sewer line

Bottom right: The Air Impactor starting to burst old 12" asbestos concrete pipe.



HammerHead Product Support

Toll Free 800.331.6653 (USA ONLY) • +1 262.567.8833 (International)
www.hammerheadmole.com

Vermeer Manufacturing Company

PH: 641.628.3141 • Toll Free 888.837.6337 (USA ONLY)
www.vermeer.com

Europe, Middle East and Africa

PH: +31 113 272700 • FX: +31 113 272727

