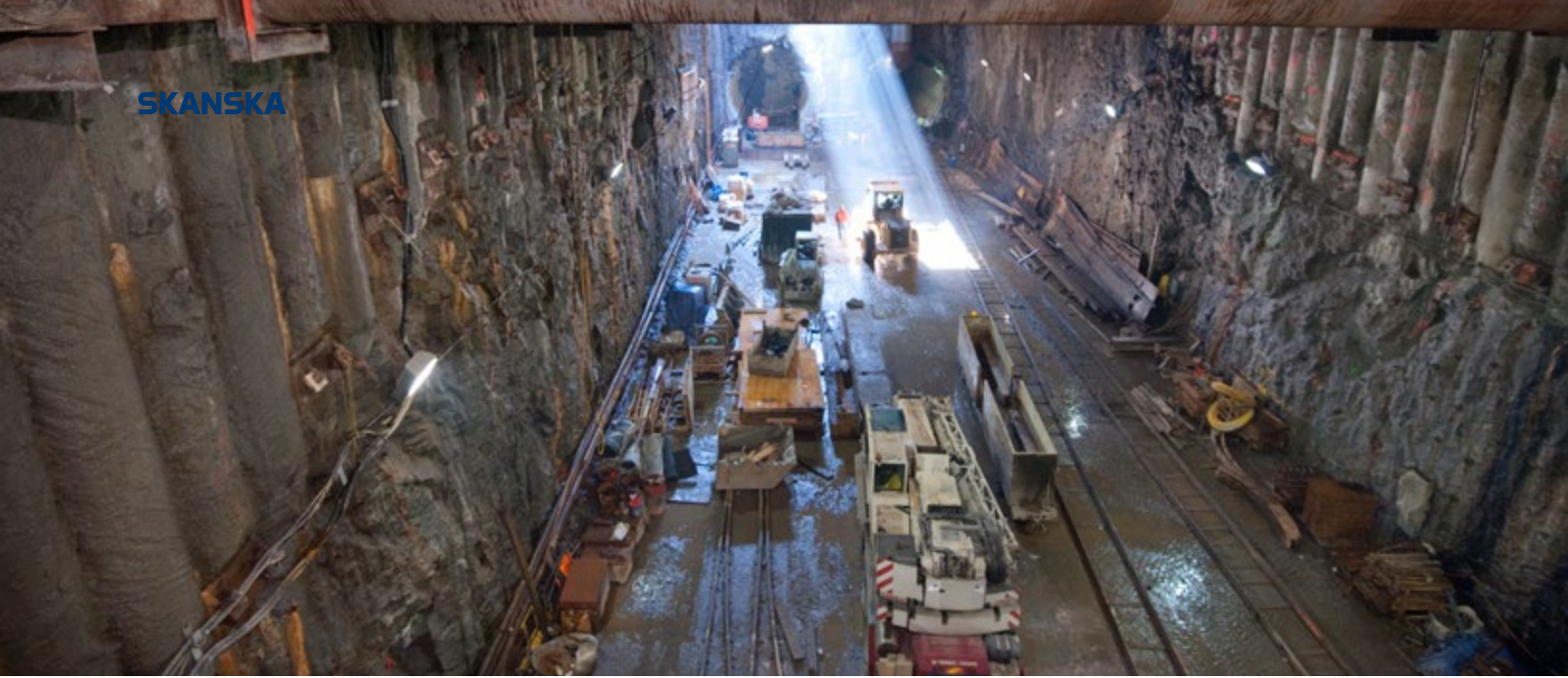




Second Avenue Subway, Route 132A Tunnels, 92nd to 63rd

New York, New York

Project Stats

Owner

MTA Construction and Development
(formerly MTA Capital Construction)

Engineer

AECOM - New York

Delivery Method

Bid-Build

Construction Cost

\$378M

Start Date

March 2007

Completion Date

March 2012

About the Project

Skanska, as part of a joint venture, completed Contract I of Phase I of the Second Avenue Subway between 63rd Street and 92nd Street on Manhattan's Upper East Side. The project included excavation of northbound and southbound running tunnels using TBM, cut-and-cover, and mining techniques between the Lexington Avenue–63rd Street Station and 92nd Street Station. Crews also bored two 30' diameter access shafts for the 72nd Street Station and constructed a launch box from 92nd to 94th Street, which required excavation and treatment of approximately 125,000 CY of contaminated rock and soil. Additional scope included extensive utility relocations, temporary road decking, and construction of an electric substation, all while maintaining four lanes of traffic through the work zone.

The tunneling work took place adjacent to high-value high-rise buildings in a constrained urban footprint, requiring careful monitoring and construction sequencing. Skanska collaborated closely with the MTA, the construction manager, and the owner to address risks, implement design adjustments, and maintain schedule. For example, the team modified tunnel alignment to accommodate the 72nd Street and 86th Street station cavern contracts and used ground freezing to stabilize an unanticipated soft-ground section, avoiding project delays.

This contract set the foundation for subsequent phases of the Second Avenue Subway, which will ultimately extend the line along Manhattan's East Side from Lower Manhattan to 125th Street.