

SECOND AVENUE SUBWAY-PHASE 1 NEW YORK, NY

OWNER:
NYC TRANSIT AUTHORITY

CLIENT:
PARSONS BRINCKERHOFF.

CONSTRUCTION COST:
\$ 337 Million – Phase 1

CONTACT:
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Manager
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COMPLETION DATE:
2011



Project Highlights:

- Safety Operations and Safe Access to Existing Businesses is critical
- Secant Pile and Slurry Wall Construction
- Monitoring of Building Vibration
- Underpinning and Foundations
- Utility Relocation including High Pressure Steam

Hirani is a member of the resident engineering team for the new construction of the Second Avenue Subway. When completed, the line will extend 8.5 miles from East 125th Street in Harlem south to Hanover Square in Lower Manhattan. Service from East Harlem and upper East Side to West Midtown will be provided through track connections to the existing Broadway and 63rd Street lines.

Hirani is presently participating in Phase 1 of a four phase construction project. Inspection personnel have been inspection trenching, secant pile operations, dewatering operations, utility relocations, and slurry wall operations. Hirani has also provided senior level safety engineering personnel on a full time basis to monitor contractor health and safety operations and compliance.

In Phase 1, construction occurs from East 105th Street to 72nd Street, including the tunnel connection to the 63rd Street/Broadway line. Construction is a deep bore method, replacing earlier cut and cover construction used for similar projects in the past. Cut and cover will be used only for stations. A tunnel boring machine, placed at 92nd Street will bore southbound and connect shafts at 86th Street and 72nd Street in this phase. The cost of this phase is \$337 million.

