



The LiRo Group

Columbus Avenue Reconstruction, W. 59th to W. 110th Streets – Construction Management/Inspection and Scheduling New York, NY

Client:

New York City Department of
Design & Construction
30-30 Thomson Avenue
Long Island City, NY 11101

Reference:

Thomas Wynne, P.E.
Director of Manhattan
Construction
212-442-1900

Total Project Cost:

\$85,000,000

Completion Date: 1996

Project Overview:

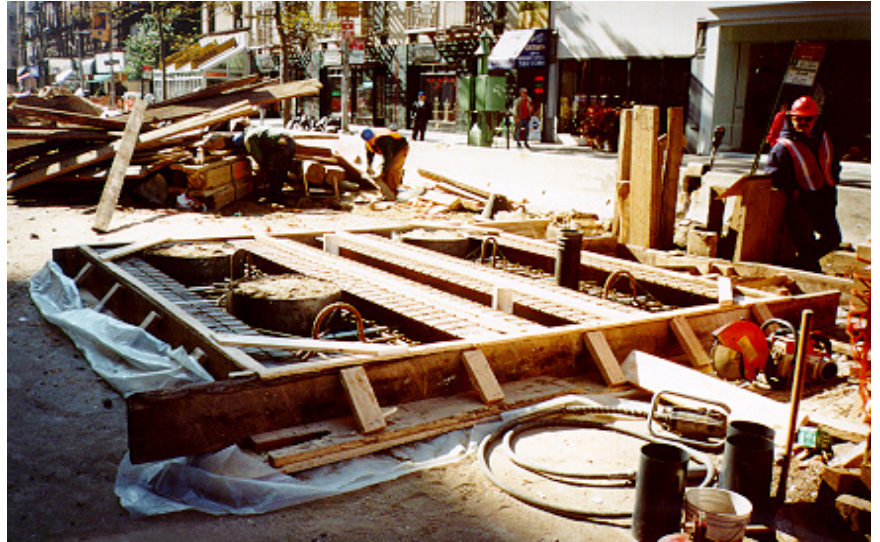
Project consisted of the full reconstruction of Columbus Avenue in Manhattan from 57th Street to 110th street. This was the DDC's largest roadway reconstruction project and was completed a year ahead of schedule. Utilities included sewers up to 72" diameter and welded steel water mains up to 48" diameter. (NYCDDC, \$85M)

The reconstruction of Columbus Avenue was done under two contracts. Contract I from W. 59th Street to W. 85th Street involved

reconstruction of roadway, curbs, sidewalks, catch basins, traffic signals, and installation of new water mains.

Contract II from W. 86th Street to W. 110th Street

included an ADA survey, community relations, and project coordination. This reconstruction cost was \$85,000,000 and included:



- New roadway consisting of 10" concrete base and a 3" asphaltic concrete wearing course
- Rehabilitation of sewers including sewer replacement, insituform lining, and gunniting of sewers ranging in size from 18" to 72"
- New drainage facilities including several hundred catch basins and 12" DIP chutes
- New and replacement watermains. This included a total of 6 miles of watermains from 12" to 48" in diameter
- The 48" main was constructed of welded steel pipe and ran a distance of approximately 2 miles
- New street signs
- Installation of new gas mains
- New electrical feeders
- New sidewalk and new curb (steel faced concrete and granite).
- New street lights and traffic signals.
- New tree plantings





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All of the work was accomplished while maintaining vehicular and pedestrian traffic throughout the project in addition to maintaining access for emergency services and the necessary every day service.

Columbus Avenue is the largest construction project in NYCDOT history, and was completed a full year ahead of schedule.

Key Features:

- Largest construction project in NYCDOT history
- Extensive underground utilities
- Heavy maintenance and protection of traffic
- Accelerated construction -- completed a year ahead of schedule
- Extensive coordination with community representatives
- First major joint bidding contract in NYC

