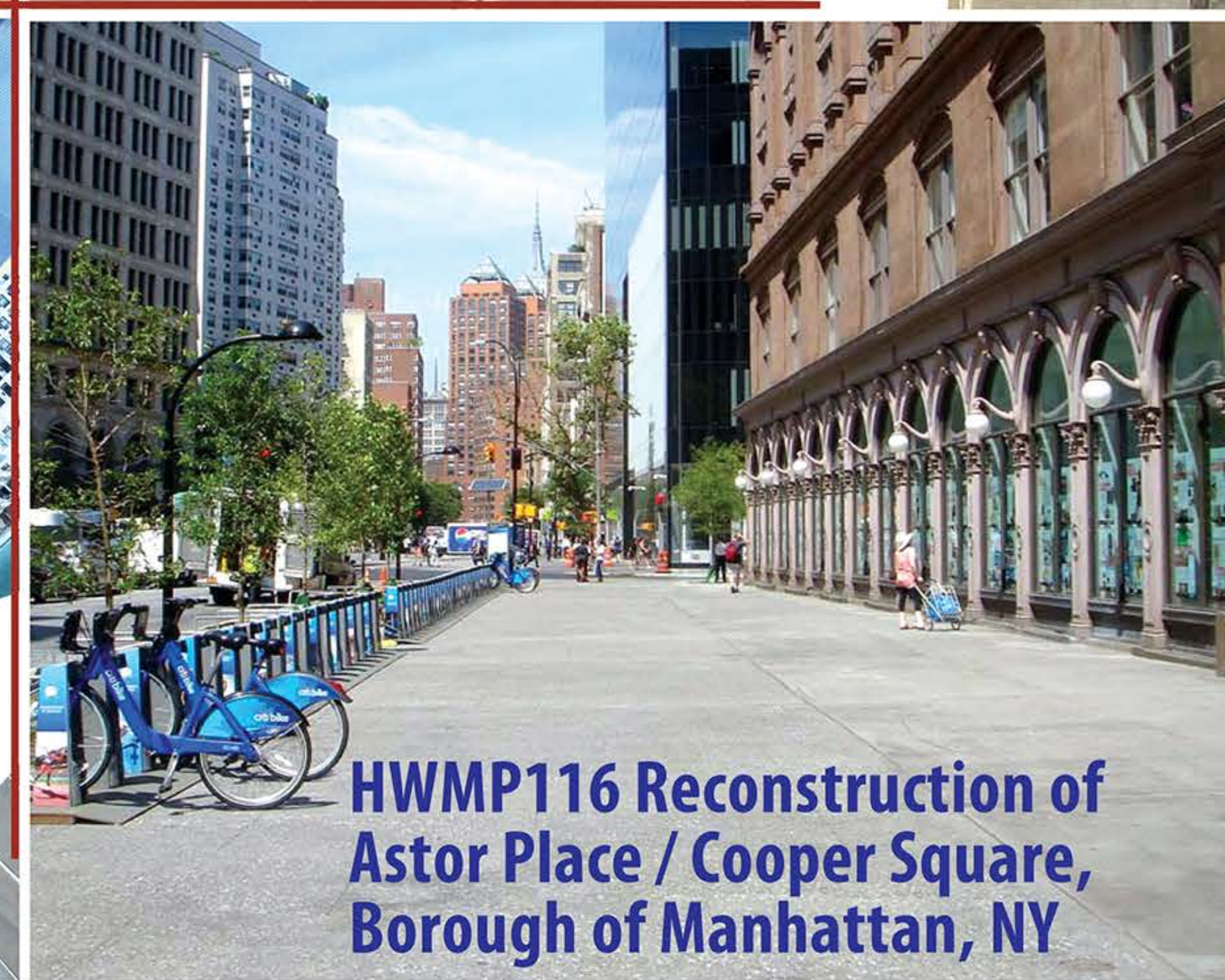
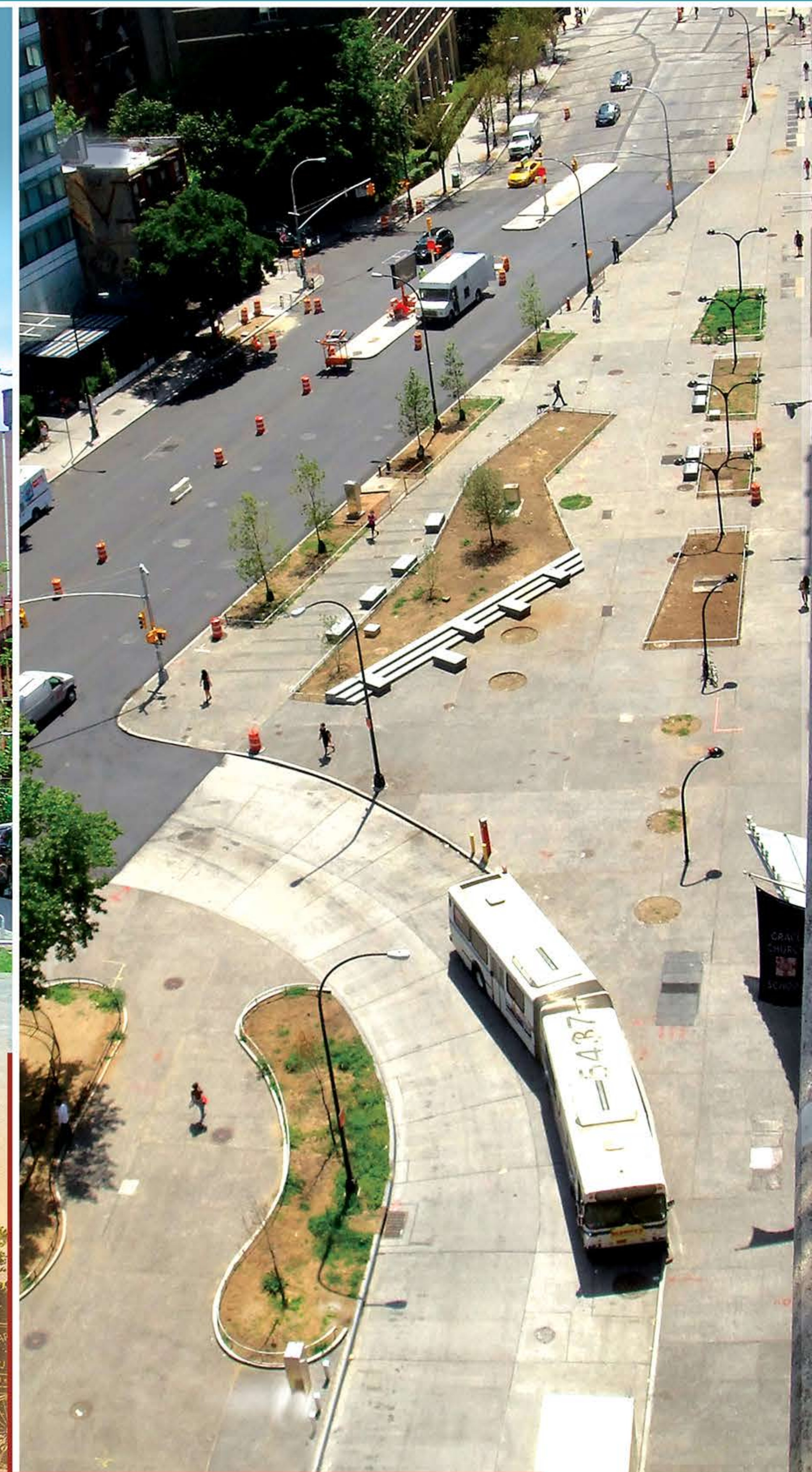


Transformation of Astor Place & Cooper Square



The Reconstruction of Astor Place and Cooper Square project transformed a complex, congested traffic area into several open space plazas. The project consisted of two stages. The first stage was the installation of trunk and distribution water mains and appurtenances, which our firm successfully completed in providing engineering services. The NYCDDC then retained our firm again for engineering services for stage two, reconstruction of the Astor Place / Cooper Square Area. This second stage included construction of the new Alamo, Village, and Subway Plazas; reconstruction of Cooper Triangle / Peter Cooper Park as proposed by the NYCDDC/NYCDOT/Parks Design; and conservation work for the Alamo Cube. The work included installation of sewer and water mains, granite curb at landmark locations, pigmented concrete sidewalk with special scoring, exposed aggregate surface treatment with saw-cut type joints, and installing brass text set in granite. Landscaping includes planting of new trees, installation of 6,600 sf of permeable paving, 2,000 sf of bioswale planting for stormwater management, and 15,400 new planting and irrigation systems. The project's challenges included the discovery of underground utilities that required removal and/or relocation, which resulted in intense coordination with various jurisdictions to excavate existing roadways before performing curb-to-curb street reconstruction. The NYCDEP requested additional distribution water mains; traffic and street lighting poles; electrical control boxes; wayfinders; granite benches; zipper and river benches; drinking water fountains; decorative trash receptacles, new steel picket fences, kiosks, and pedestrian refuge concrete islands.

Client:

NYC Department of
DDC Design and
Construction

Long Island City, NY

Entrant:

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