



*Left: Hudson River Park construction progressing in Fall 2000 along Route 9A.*



*Top Right: Bulkhead north of Pier 51.*



*Lower Right: Bulkhead and platform structures at 45<sup>th</sup> Street.*

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## Hudson River Park - Bulkhead and Pier Condition Review

New York, NY

### Project Highlights:

- Inspection and Conditions Analysis of Existing Waterfront Structures
- Comprehensive Geotechnical and Structural Engineering Services
- Recommendations for Repair, Replacement, or Both
- Interaction with Public Agencies

Mueser Rutledge Consulting Engineers (MRCE) provided consulting and inspection services to evaluate the condition of the existing bulkhead extending along the west side of Manhattan and to investigate alternatives for repairs required to support the planned park development.

MRCE services included reviewing available information compiled from previous bulkhead studies and inspections performed by MRCE and others, field inspections, including underwater inspection of low-level platforms, development of conceptual design for repair and alternatives, and construction cost estimates.