



Civil / Structural /
Transportation Engineers

Construction
Inspectors/Managers

Bridge Condition
Inspectors

*New Jersey
New York
Pennsylvania*

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Design and Construction Support Services for Various Schools

Newark, New Jersey

PROJECT TYPE

Design, Construction Inspection

PROJECT OWNER/CLIENT

Newark Public Schools

CONTRACT AMOUNT

\$54,000 fee

START & END DATES

03/2008 – 11/2009

ROLE

Prime
Architecture, Structural Engineering,
Construction Support Services, Building
Conditions Survey

REFERENCES

Satish Desai, P.E., LEED AP, Director,
Facilities Division, NPS,
(973) 733-8572

PROJECT DESCRIPTION

Chimney Rehabilitation, Lincoln Street School

The existing masonry chimney was inspected for deterioration, loose joints, cracks and displaced coping stones. We developed repair details and construction documents for the repair of the masonry, repointing, and the replacement of the coping stones, including the chimney cap. We also provided construction support services during construction.



Roof / Parapet Rehabilitation, East Side High School

We inspected the roof parapet damaged by lightning and developed repair plans and specifications for the repair of the parapet.

Avon School, Avon Avenue

We represented NPS and provided structural investigation of the roof beams damaged by the installation of T-Mobile antennas. We coordinated and reviewed the proposed repair details, and provided final inspection of the completed repair work.

Hawkins Street School

Hawkins Street School is a 50 year old, four-story brick building consisting of masonry construction with a combination of wood and concrete floors. We inspected the interior stair and an exterior widow façade to confirm their structural integrity. We visited the building two times on October 10, 2008 and October 29, 2008. After observing the conditions during the first visit, some of the cladding was removed to expose the connections of the staircase stringers and they were observed during the second site visit.



A window at the landing between the first and second floors was braced by timber beams inside and steel angles on the outside. Above the window, timber planks were installed as facing. The planks appeared unstable and were disconnected at several locations. The team prepared a report detailing the inspection and recommended that the staircase is structurally safe and that the window at the landing and the timber facing above the window be replaced. In the summer of 2009, we provided CM services for the window replacement and façade rehabilitation.



SJH Engineering, P.C.