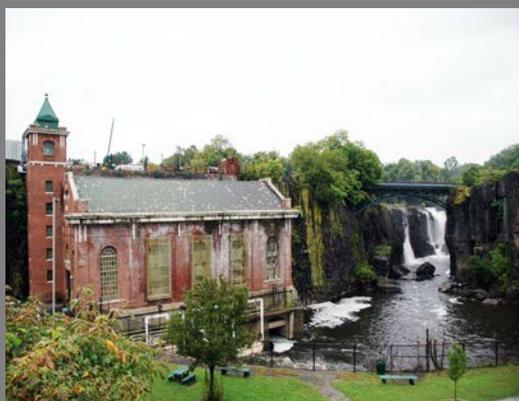


## Overlook Plaza at Great Falls Park



### PROJECT

Overlook Plaza at Great Falls Park  
Paterson, New Jersey

### CLIENT

Paterson Municipal Utilities Authority

### DATES

2006	Structural Assessment
2010 - 2011	Design and Documentation
	Construction Contract Administration

### DESCRIPTION

The Upper Plaza of the former steam plant at Great Falls Park is a one-story reinforced concrete structure that originally served as the turbine room of the power plant. It served in this capacity from 1914 until it was abandoned and razed to make room for the parking lot and look-out point. In 1962, at the time of demolition, the lower level of the room was converted into a storage area. The roof was modified in 1972 to create a concrete overlook space with picnic area. In 1987 the lower plaza was closed to the public and in April of 2006, the upper plaza of the steam plant was closed until our structural stabilization was implemented in 2011.

### CHALLENGE

We were retained to survey and assess the upper plaza of the former steam plant. We concluded that the upper plaza can be stabilized by installing a permanent shoring system to reinforce the structural members under the upper deck. This reinforcement scheme allows the Authority to provide occupancy to the lower plaza if they chose to in the future.

### SERVICES

#### Structural Stabilization

Conducted site visits to measure and document the storage area beneath the plaza.

Provided a structural report identifying the structural concerns and recommendations for remediation.

Designed structural reinforcements to stabilize the plaza by installing a permanent shoring system.

Prepared construction documents and specifications outlining the structural reinforcements.

Conducted Construction Administration services.

### POINTS OF INTEREST

Overlook Plaza is located within the National Historic Landmark District of Great Falls Park.