

Managing Deliveries and Construction Traffic at the WTC

The World Trade Center Redevelopment project is one of the largest and most complicated construction projects in the world. The numerous mega-projects on site include the National September 11 Memorial and Museum, the Transportation Hub, the Vehicular Security Center, and multiple commercial office towers, including 1 WTC which will become the tallest skyscraper in the country. Each of these mega-projects is intricately connected using state-of-the-art design and all are being constructed simultaneously on this confined site in congested Downtown Manhattan.

The logistics planning, operations control, and monitoring that go into the everyday workings of this enormous construction project are almost unimaginable, as construction workers busily unload thousands of tons of material from hundreds of trucks that visit the site every 24 hours. To keep this project moving forward efficiently without having too large an impact on

the surrounding community, the Port Authority has implemented a number of innovations:

- *A Site Logistics Coordination Center (SLCC) has been established to act as a central command for security and operations around the site. Information such as video feeds and truck schedules are fed through the SLCC and coordinated with internal and external stakeholders.*
- *Meetings are held with other agencies and stakeholders on a daily basis to coordinate operations on the WTC site and to mitigate any impacts on adjacent construction projects and the surrounding residential, commercial, and tourist communities.*
- *Personnel are stationed around the WTC site everyday to keep background traffic (including vehicles, pedestrians, and transit stations) running as safely and efficiently as possible while construction is ongoing. This personnel includes*

NYPD Traffic Enforcement Agents, Pedestrian Safety Professionals (i.e. specially trained crossing guards), Flaggers (i.e. trained construction vehicle traffic directors), and Security Personnel.

To see WTC personnel in action, one must only walk down Vesey Street between Church Street and West Broadway, which is one of the most heavily travelled pedestrian corridors. With construction at 2 WTC ramping up (the commercial office tower planned on the south side of this block), several construction vehicles cross the path of hundreds of thousands of commuters and visitors every day along this corridor. WTC personnel keep people and background traffic moving safely and efficiently while allowing construction vehicles to support daily activity on the site. The Port Authority recognizes how important it is to maintain this vital east/west corridor for residents and commuters and works with contractors to minimize temporary closures to the public. ♦

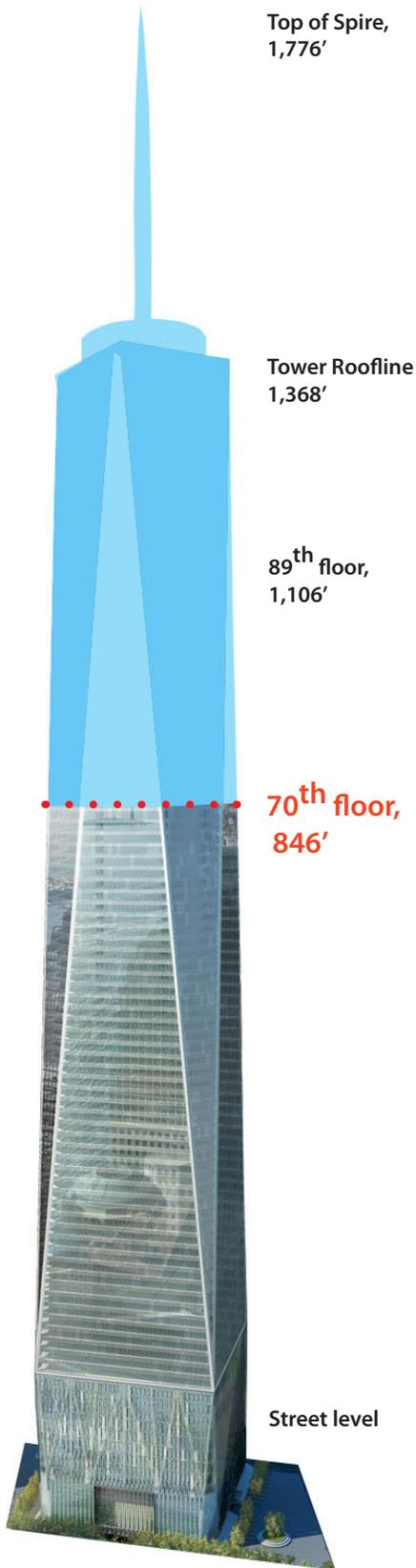


Vesey Street Pedestrians at the WTC Path Train Terminal Exit



Pedestrians Crossing Church Street

CONSTRUCTION PROGRESS AROUND THE WTC SITE



One World Trade Center



Located at the northwest corner of the site, 1 WTC will be the tallest skyscraper in New York City when completed at 104 floors and 1,776 feet to the top of the spire atop the building. This iconic building is already changing the New York skyline: with steel erection reaching the 70th floor at the beginning of June (approximately 846 feet above street level), and aluminum and glass curtain wall panel installation progressing through the 40th floor, New Yorkers are beginning to get a glimpse of the rising skyscraper from all around the city.

Four World Trade Center



In the southeast corner of the site, 4 WTC will be 64 stories (approximately 975 feet above street level) when complete and will house the future headquarters of The Port Authority of New York and New Jersey. Construction progress continues on this tower, as steel erection proceeds past the 25th floor, and concrete follows closely behind past the 20th floor. A visual milestone has been reached as glass curtain wall panels have begun to enclose the building. Installation of the glass panels is currently proceeding on the third floor.

Transportation Hub



Upon completion, the Transportation Hub will serve more than 100,000 daily commuters and will connect the PATH Station, 13 different NYC Transit Subway lines, and several major destinations east and west of route 9A/West Street. The PATH Station and Transit Hall portions of the Transportation Hub alone will be approximately 300,000 square feet. Progress continues rapidly on these vital portions of the Transportation Hub. Several massive pieces of steel have recently arrived on site to piece together these intricate structures, with the including the sixth piece of the “vierendeel” truss structure of the PATH Hall roof.

National September 11 Memorial + Museum (NS11MM)



The NS11MM will memorialize the victims of the September 11, 2001 attacks. In preparation for the public unveiling of the Memorial Plaza this year (following the tenth anniversary of 9/11), construction progress has been significant: stone and cobble pavers are continuously being delivered and installed in the Plaza, surrounding the over 150 trees that have already been planted. The plaza consists of, two reflecting pools standing in the footprints of the original Twin Towers, and the Memorial Pavilion which continues to be encased in a glass and metal façade.