



One World Trade Center Work Advances, Street-Level Plaza Takes Shape

The street-level plaza on the southern and eastern sides of One World Trade Center has begun to take shape this summer as workers place thousands of cubic yards of concrete at the site.

The first concrete placement for the plaza lasted more than 17 hours as crews placed 1,250 cubic yards of concrete – the equivalent of six miles of New York City sidewalk – on the southeastern side of

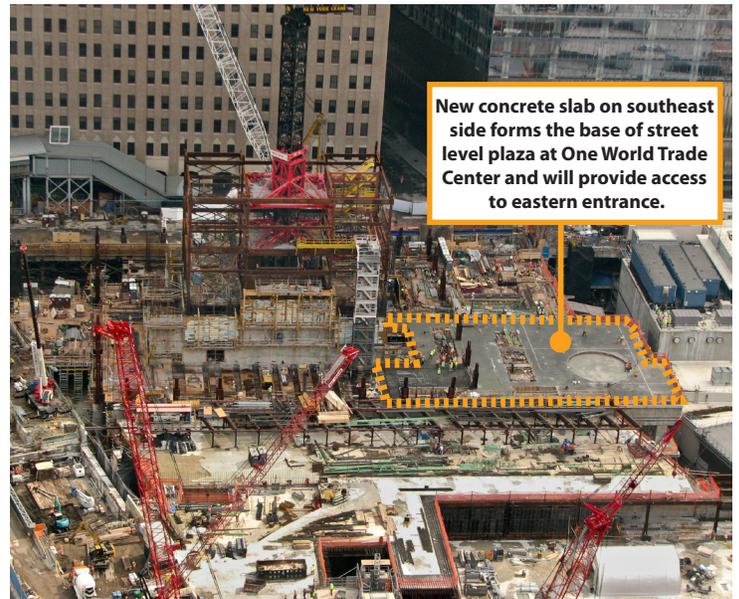
the tower, bringing it to street level. On the northeastern side, high strength concrete was poured to the last level before grade.

The placement, the largest concrete pour to date for One World Trade Center, formed a 10,000-square foot outdoor plaza space at street level where trees will be planted, and where visitors will have access to the tower's eastern entrance.

"We've made enormous progress in bringing One World Trade Center up to grade from 80 feet below ground. We're committed to completing this tower and the other public projects at the World Trade Center site on the current timetable."

- Port Authority Chairman
Anthony R. Coscia

Significant progress has been made in the past year to build One World Trade Center. The tower's core rises over 180 feet high - 80 feet below ground and more than 100 feet above street level. More than 22,000 cubic yards of concrete - the equivalent of more than 100 miles of New York City sidewalk - have been poured to date. Seven hundred tons of steel have been installed for the tower's substructure, the equivalent of the weight of two Statues of Liberty.



Port Authority contractors also placed the concrete to form the southern portion of the plaza in July and are preparing to place the remainder of the plaza's east side in August.

By early Fall, the demolition of a portion of Vesey Street north of One World Trade Center is scheduled for completion, which will allow crews to place the street-level concrete slabs on the north side of the tower.

As concrete work progresses, contractors are continuing to erect the perimeter steel columns that weigh more than one ton per lin-

ear foot. All 25 of the columns now extend above street level. Two crawler cranes will assist in erecting the perimeter steel.

In the Fall, mechanical, electrical and plumbing installations in the five underground levels of the building are set to begin.

Plans also call for 2.6 million gross square feet of office space on 70 office floors, a grand public lobby with a 50-foot ceiling, an observation deck 1,265 feet above ground, a skyline restaurant and a wide array of shopping opportunities.



Final Design of One World Trade Center

In the Spotlight:

Lynda C. Tollner



Program Director,
One World Trade Center

Q: What kind of construction progress are you making at One World Trade Center?

A: We are working on the concrete slabs at the street level plaza this summer, along with the installation of the jumbo perimeter steel columns. This exciting above-ground progress is visible to the public and represents another step toward meeting our construction milestones. We will continue to work aggressively on this important project.

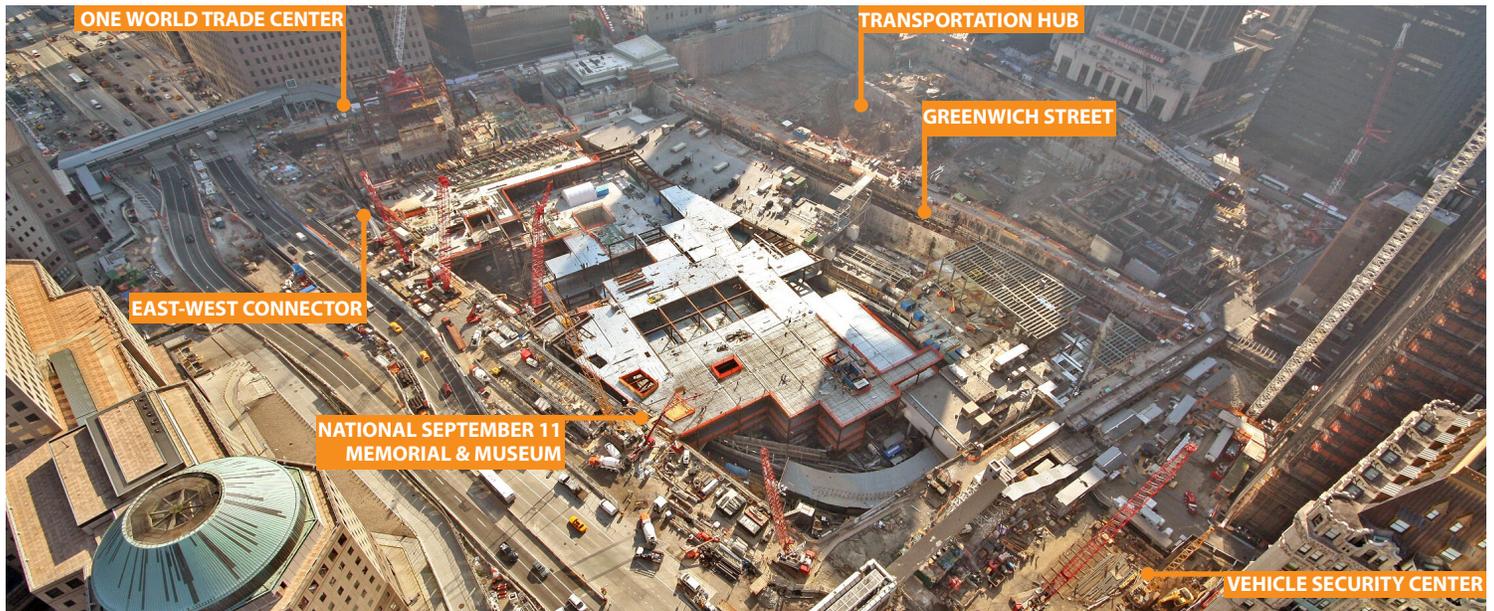
Q: What are some of the state-of-the-art features of the One World Trade Center project?

A: One World Trade Center is the design of the future. In a new world of security and safety, this is where we are all headed. The building will feature enhanced fireproofing, extra-wide pressurized stairs, and interconnected and redundant exits. We are also using high-strength concrete in some areas of the building core. The building will thus be safe and secure, as well as visually striking.

Q: How high will One World Trade Center's rooftop be without the parapet?

A: The rooftop structural steel will top out at 1368 feet above the lobby level in the fall of 2011. The building will have one observation deck that has two levels.

Port Authority Marks Nineteen of Twenty Key Construction Milestones



TRANSPORTATION HUB

Begin 9A Underpass Excavation for East-West Corridor – Complete. Excavation had begun for the portion that passes from the WTC site, under Route 9A to the World Financial Center and the rest of Battery Park City. When complete, this underground section will link the World Financial Center with the Hub's East-West Connector.

Complete Concrete on All Sectors of the Fulton Street Deck – Complete. Placement of concrete was completed on all sections of the metal decking over the 47 Calatrava arches, which are currently in place along the East-West Connector. This concrete slab will support Fulton Street.

Bid Out Early Action Work Packages to Support Steel Erection – Complete. These work packages must be complete before the Hub's steel arrives on site.

Fabrication of the Remaining Calatrava Arches for the East-West Connector – Complete. These eight new arches represent the remaining arches out of a total of 55 that will support Fulton Street.

Take PATH Platform A and Tracks 1 & 2 out of Service – Complete. This outage will facilitate completion of foundation work to support the steel columns in the Transit Hall.

GREENWICH STREET

Phase 1 Excavation & Bracing – Complete. The soil excavation was completed to elevation 285 and one level of steel mini-pile bracing was installed.

Top-Down Contract for Greenwich Street out to Bid – Complete. Port Authority of New York and New Jersey released a request for bid contract documents for completion of the construction of the underpinning of the #1 Subway Line.

ONE WORLD TRADE CENTER

North Core Shear Wall to B1 – Complete. Placement of reinforcing steel and high strength concrete for the North Core of One World Trade Center brings it up to the B1 level – the last level before grade.

South Core Crane Jump – Complete. The DCM tower crane within the center of the south core "jumped" from its location within the core to the erection steel, which precedes the concrete placement of the core.

Concrete Placement on the #2 Auxiliary Shear Wall – Complete. Completion of approximately 350 CY of concrete in the Auxiliary Shear Wall enabled the start of the at-grade slab work, which will facilitate vehicle and equipment access to support further above-grade construction at One World Trade Center.

First of Three Sections of Cutback on the Vesey Street Deck – Complete. Removal of approximately 100 feet out of a total of 380 feet of Vesey Street has allowed for installation to continue on the remainder of One World Trade Center's exterior columns and completion of basement deck in the area.

VEHICLE SECURITY CENTER

Slurry Panels 1-4 and 8 – Complete. The completion of these slurry panels provides a portion of the interface with NYS DOT along Route 9A and will enable NYS DOT to finish construction of utilities in this area.

Assemble & Activate Slurry Plant – Complete. The on-site slurry plant that produces and pumps a slurry mixture into the excavated holes for the placement of the wall panels is on site and operational.

Trenching and Installation of Buttress Guide Walls – Complete. These guide walls will enable construction of five buttress walls, which will support the southern face of the south bathtub slurry wall along Cedar Street.

MEMORIAL & MUSEUM

Pavilion Interior Design (by NS11MM) - Complete. Design documents provide the final details for the construction of the Pavilion core and shell.

Approximately Half of Sector 3A Steel over the PATH Line – Substantially Complete. This represents over 480 tons of steel that cover the southern projection of the PATH line into the WTC site. The remaining portion of Sector 3A steel is scheduled for completion prior to the end of the year; however, this will not affect the project's critical path.

Sector 4 Steel – Complete. Sector 4 steel (over 1,295 pieces of steel, totaling over 2,400 tons) makes up a significant portion of the center of the Memorial structure and joins the South pool structure with the North pool structure.

Turn Over Sectors 2 and 3 to the Concrete Subcontractor – Complete. All of Sector 2 and a majority of Sector 3 were turned over to the concrete contractor and placement of the deck slabs and storm water harvest tank has begun.

Begin Concrete Operations on Interior of Memorial – Complete. Concrete operations began at the north end of the Memorial site, including the storm water harvest tank and major portions of concrete for the North Pool.

Activate North Lift Complex and Install South Lift Complex – Complete. The installation of the lift at the northern portion of the Memorial construction area facilitates the movement of personnel and equipment into the project site.

