



Transbay Transit Center

Spring 2013 Newsletter

Future Engineers and Carpenters Tour the Transbay Site

In February eight San Francisco high school students from John O'Connell High School and the Phillip & Sala Burton Academic High School attended a Webcor/Obayashi Job "shadow day" at the Transbay Transit Center construction site as part of the San Francisco Unified School District "Tech 21" career program. Tech 21 is a career-focused program that offers students hands-on courses in architecture, construction, engineering and the automotive industries at high schools throughout San Francisco.

The students who visited Transbay were all Juniors participating in either the Burton Academy of Engineering or the Carpentry program at John O'Connell. Their studies include learning about construction materials, hand and power tools, and building design through hands-on projects, as well as how engineers communicate and how projects are designed and evolve from concept to completion. Students are also required to gain field experience by participating in field trips and completing internships. Those who finish Tech 21 can be eligible for city and union apprenticeships following high school.



Students from the Tech 21 program get ready to tour the Transbay Transit Center construction site

Webcor/Obayashi provided a presentation to the students that explained the roles of engineers and carpenters in the construction industry, how those related to the Transbay Transit Center project, and a history and current status of the Transbay Transit Center project. The engineering and carpentry students were then broken up into separate groups and taken on a tour of the project and jobsite office to see day to day activities on the site and the various roles of those working on the project. Training the next generation of carpenters and engineers is essential for the Bay Area to continue building innovative infrastructure like the Transbay Transit Center, and TJPA is proud to be part of the Tech 21 program.

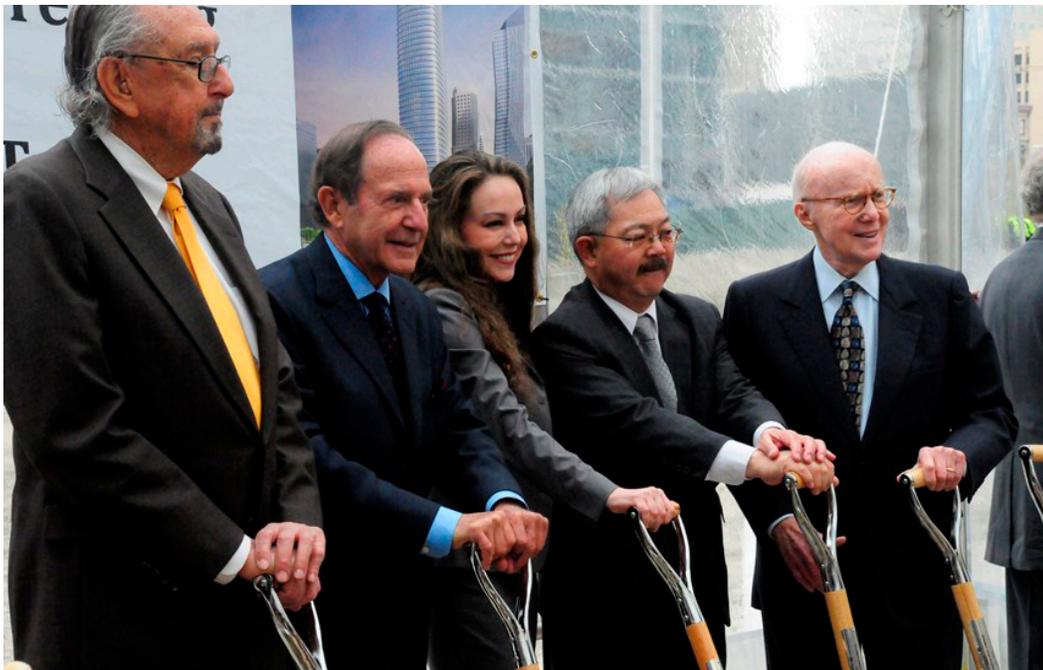
Ceremonial Groundbreaking Held Following Record Land Sale for Transbay Transit Tower Parcel

On March 27th, TJPA was joined by Mayor Ed Lee, Chair of the TJPA Board and Supervisor Jane Kim, Boston Properties Chairman and CEO Mortimer B. Zuckerman, and Hines Chairman Gerald D. Hines for a ceremonial groundbreaking of the new Transbay Transit Tower. At 1,070 feet, the tower is set to be the tallest on the West Coast and the seventh tallest in the U.S., edging out New York's Chrysler Building. The project was initiated in 2007 and received planning approval in October of 2012. Construction of the 1.4 million-square-foot tower could begin as early as summer 2013 with project completion in 2016, just before the new Transbay Transit Center is completed in 2017.

The 50,000 square foot land parcel for the tower was sold by TJPA to Boston Properties and Hines for approximately \$192 million, which translates to nearly \$4,000 per land foot – a San Francisco record. The firms are now set to develop the Transbay Transit Tower, a new Pelli Clarke Pelli-designed icon adjacent to the Transbay Transit Center. The Transit Center, now under construction, will be a multi-modal transportation hub and the new heart of the revitalized South of Market neighborhood. It was also announced that a partnership of Clark Construction and Hathaway Dinwiddie will serve as general contractors for the soaring 60-story office building at Mission and First streets.

"The sale of the Transbay Transit Tower property is a transformative moment for San Francisco," said Executive Director of the TJPA, Maria Ayerdi-Kaplan. "The Tower and the Transbay Transit Center will stand at the center of one of the most forward-looking transit-oriented developments in the world today."

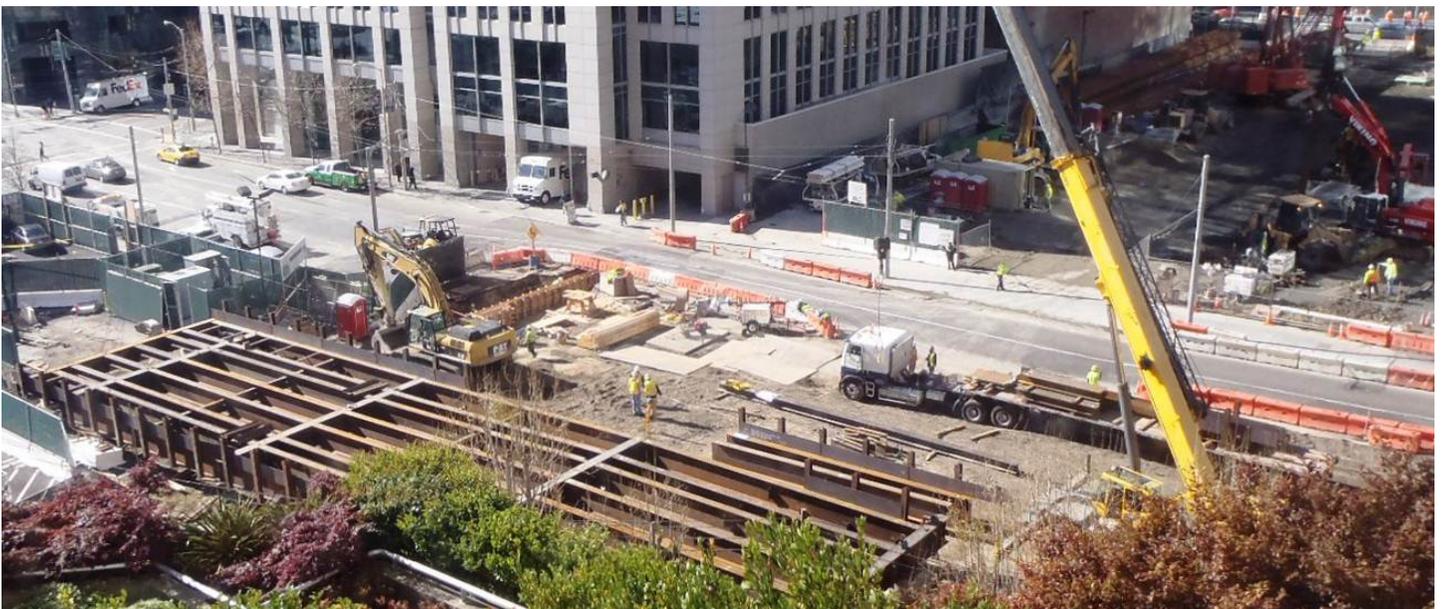
Zuckerman commented, "We are dedicated to making this an iconic tower that will stand as a landmark for all who travel to San Francisco and add to its appeal as one of our most sought after 24/7 cities in the U.S. on top of being the technology capital of the world."



TJPA Executive Director Maria Ayerdi-Kaplan (center) is joined by (from left) Architect Cesar Pelli, Boston Properties Chairman and CEO Mortimer B. Zuckerman, San Francisco Mayor Ed Lee, and Hines Chairman Gerald D. Hines at the groundbreaking for the Transbay Transit Tower

Transbay Project Reaches New Milestones

Construction of the Transbay Transit Center continues to move forward with significant milestones reached in the first few months of 2013. Excavation and bracing in the western end of the Transit Center site was completed in March, and in April the third and final traffic bridge, which will allow traffic to continue on Beale Street while excavation proceeds underneath the street, was completed. Installation of the bridge included the demolition of the existing road and concrete base, placement of the traffic bridge sections using two cranes, and paving of the new bridge (time lapse video of the installation can be found at <http://youtu.be/6zPL4zy8M1M>). With all three traffic bridges now in place on First, Fremont, and Beale Streets, excavation of the Transbay site can move forward without impeding local traffic flow. Excavation of the site is scheduled to be completed in February 2014 and is approximately two-thirds complete.



Traffic Bridge sections are prepared for placement by TJPA's construction team

Another major milestone for the project is the start of the installation of the geothermal ground loop heat exchanger system. Geothermal energy will be used for heating and cooling applications in order to reduce energy consumption in both the summer and winter months. The system uses piping "loops" installed horizontally two feet beneath the building foundation to capture heat and cooling from the earth's relatively constant temperature. Water or antifreeze solution is circulated through pipes to collect heat from the earth during the winter and pull heat from the building during the summer. Heat is transferred with no external venting and no air pollution.

Using this geothermal system, the earth will provide over 70 percent of the energy required to heat and cool the building. This produces savings on energy consumption of 25 to 50 percent.

Students from ACE Mentoring Visit Transbay Site

In April, students from the ACE Mentoring program toured the Transbay site to learn about the project and the team of people working on the design and construction of the new Transit Center.

ACE Mentoring is a once a week, after-school program for high school students interested in careers in architecture, engineering or construction. Founded in 1994, ACE is now the construction industry's fastest-growing high school mentoring program, reaching over 8,000 students annually. ACE not only engages sponsors and volunteer mentors to expose students to real-world opportunities, it financially supports each student's continued success through scholarships and grants. Since 1994, ACE has awarded over \$12 million in scholarships to promising participants.

The four month long program includes a design project that the students work on throughout the program and a presentation/competition at the end. Students also gain knowledge about potential career options through mentor presentations from professionals in the industry via office and construction site tours like they experienced at Transbay.



Students from the ACE Mentoring program observe Transbay's construction crew in action

I hope you will explore opportunities to participate in the shaping of this project through our Transbay Joint Powers Authority Board meetings, Citizen's Advisory Committee meetings, monthly public progress briefings or one of many presentations we make throughout the community. For regular updates, including a weekly 10-day construction outlook, please visit our website at <http://www.transbaycenter.org>.

Thank you for your support of this innovative and transformational model for transit-oriented development. We look forward to continuing to work with all of the stakeholders surrounding our construction site and throughout San Francisco, the Bay Area, and the State of California.

Sincerely,

Maria Ayerdi-Kaplan
Executive Director