



LACH³



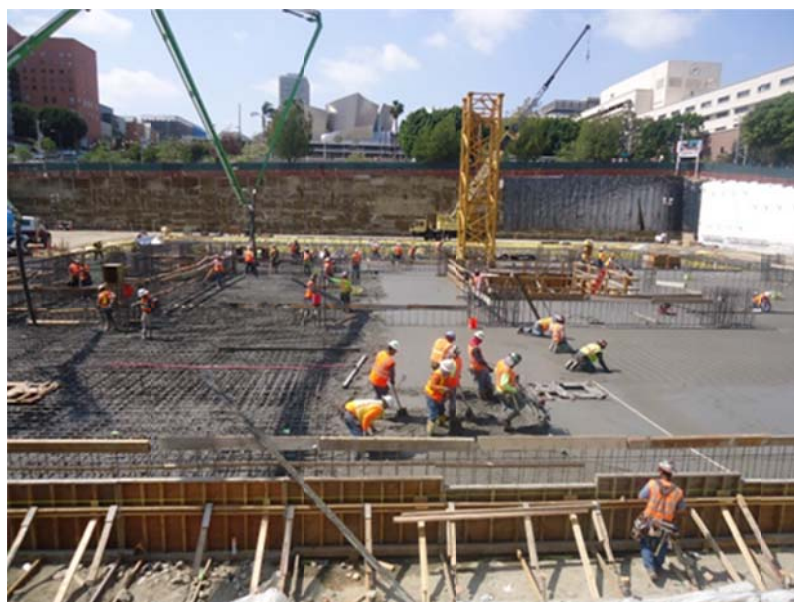
NEW UNITED STATES COURTHOUSE - LOS ANGELES, CA

April 2014

The project goal or milestone to place the concrete for the east half of the Mat Foundation was accomplished on Saturday, the 12th of April. The placement started at 5 AM and after some 12 ½ hours, 4,780 CY of concrete had been placed. The photo below shows the concrete pump placements and the importance of planning for such a major event.



An excess of 80 workers were involved in the work that day and no injuries or incidents occurred. This is counted as a success on all fronts.





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Concurrent with the completion of Mat Foundation #1, the work started for Mat #2 with the reinforcement steel and in-mat plumbing and electrical. Progress has been good on the second half of the Foundation and placement is scheduled for the 10th of May. Concerns with the Cinco de Mayo celebrations in the area and the increased number of vehicles and pedestrians associated with the celebration, drove the decision to push the placement from the 3rd to the 10th.



The photo above documents the beginning of the lower steel for Mat #2 and clearly shows the area over which the concrete shear walls will be placed. The rebar is more numerous for distribution of the load.

A difference between the two halves of the Mat Foundation is that more equipment and maintenance areas exist in the west half and the in-mat plumbing and electrical rough-ins were more extensive to accommodate the required utility connections. The in-mat rough-ins commenced on the 14th and was completed sufficiently to permit the completion of the top layers of steel by the 23rd. Vertical dowels and the shear pins remain to be installed with the work having started on the 25th.



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Construction of the perimeter foundation walls is the next activity that will receive emphasis over the next couple of months. The rebar for the east wall was completed and the shotcrete installation started on April 29th. This placement included an area of the north foundation wall along Line 18. Rebar is continuing to the west on Line 18 with work on the west wall scheduled following placement of the wall footing in early May. The photo below shows construction of the wall footing along the north wall, Line 18.





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Design & Construction Activities Completed This Period

- USMS Security Coordination Meeting and “Plan Flip”
- Presentation of Finish and Color Pallets with the US Courts
- Placed concrete for Mat Foundation Pour #1
- Started and completed horizontal rebar for Mat Foundation Pour #2
- Started and completed wall reinforcement for east perimeter Foundation Wall
- Commenced the installation of the shotcrete for the perimeter Foundation Walls
- Started wall reinforcement steel for north perimeter Foundation Wall
- Installed and tested the Foundation Drainage System along the west and south Foundation Walls
- Excavated the wall footings for the west and south perimeter Foundation Walls

Activities for Next Period

- Place concrete for Mat Foundation Pour #2, May 10th
- Continue shotcrete installation for foundation walls.
- Erect the Tower Crane
- Place concrete for the perimeter wall footings on the west and south column lines
- Commence forming and placement of the “gravity” columns at B1 Level

Project Milestones

- Placed concrete for Mat Foundation Pour #1 – 12 April 2014
- Commenced plumbing and electrical rough-in for Mat #2 – 14 April 2014
- Commenced installation of the shotcrete for perimeter foundation walls – 29 April 2014



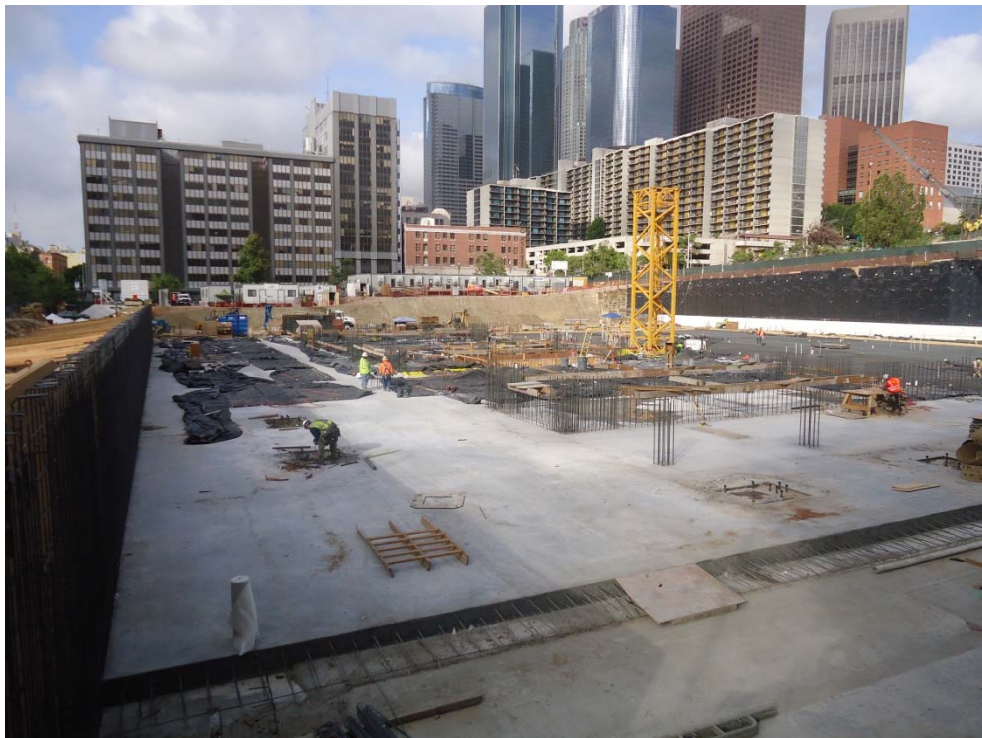
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Sustainability Features:

Variable Frequency Drives (VFD)

The mechanical equipment serving the Los Angeles Federal Courthouse will be driven by motors using VFD technology. The Drives control the power to the motor to match the needs of the tenant space. Your typical home AC will start and stop as needed to keep your home at the desired temperature set-point. When the AC is on it typically runs at full speed using maximum horsepower. A fan unit using a VFD will speed up and slow down the motor as needed to maintain the desired set-point. The use of a VFD can save anywhere from 25% to 65% of fan energy. In addition to energy savings VFD's provide quiet comfort and stable conditions. VFD drives provide a return on investment in approximately 2 to 4 years while providing long lasting energy savings for the life of the motor.



Mat Foundation #1