



LACH³



NEW UNITED STATES COURTHOUSE - LOS ANGELES, CA

May 2014

The major Milestone for this month was very much like the milestone for April; the placement of the Mat Foundation. On the 10th of May the west half was placed bringing to a total quantity for the Mat Foundation of 9,290 CY. There have been some exciting and successful times over the past few months with more coming in the near future.



As seen in the above photo, the “starter” section of the Tower Crane was placed in April prior to the east half of the Mat Foundation placement. During May the complete Tower Crane was erected and inspected by OSHA to permit its operation and use. This inspection occurred on the 28th of May and is currently being used for setting of reinforcement steel. In mid-June the start of steel erection will occur and the crane will be fully utilized by this operation.





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Other concrete related activities that occurred this past month were associated with the installation of rebar and concrete for the perimeter foundation walls. Rebar installation has moved around from completion of the east foundation wall, the north foundation wall and the west foundation wall. Placement of the vertical rebar for the interior concrete columns started on the 28th and has made very good progress. Concrete placement, through means of a shotcrete application, completed on the east and north walls and more than half way on the west wall. All shotcrete walls will be completed by the end of June. The photo below shows a view of the foundation wall construction.



The underground utility installation has continued at a lesser degree than last month now that the Mat Foundation is complete. However, activities are continuing with the pulling of cable and setting of distribution panels for the temporary power that is required for the construction activities. This included the temporary power for the Tower Crane. Excavation and trenching in the Transformer Yard for delivery of the permanent power for the facility occurred and the placement of the vaults for the main switch gear required by the Utility Company completed on the 30th of May. The photo on the next page shows the excavation performed the placement of the vaults.



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The underground plumbing continued with efforts towards completing the foundation drainage system along the south and east walls. The area to complete is across the transformer yard and the future garage entry ramp. Excavations occurred for the Grease Interceptor and the Storm Water Sump with placement of the Interceptor accomplished as seen below. The Storm Water Sump will be a cast-in-place concrete structure which saw the start of the reinforcement steel late in May.





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Design & Construction Activities Completed This Period

- SME Work session for review of design comments
- Placement of Mat Foundation #2 (West Half)
- Continuation of Shotcrete for perimeter foundation walls
- Completion of rebar for east, north, and west Foundation Walls
- Setting of the Grease Interceptor
- Setting of Electrical Vaults for Transformer Yard
- Excavation of Foundation for Temporary Personnel & Material Hoist
- Issued Design Document Package 09 as the 50% CDs
- Received approval from the Courts for the Carpet Selection



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Activities for Next Period

- Commence Structural Steel erection by 16 June 2014
- Commence the placement of the concrete slabs on grade – 22 June 2014
- Complete perimeter shotcrete for Foundation Walls.

Project Milestones

- Placed concrete for Mat Foundation Pour #2 – 10 May 2014
- Set Grease Interceptor - 21 May 2014
- Set the electrical Vaults in the Transformer Yard – 30 May 2014

Sustainability Features:

Water Saving Fixtures

The new Los Angeles Courthouse will use less water than traditional buildings of similar size due to the plumbing fixtures selected. The design team has gone beyond the minimum requirements to provide fixtures that will complement the state of the art design standards of SOM Architecture and also reduce water consumption. Plumbing designers working with the architects have come up with elegant faucets, water closets and urinals that go beyond EPA performance. A typical toilet uses about 1.6 gallons per flush with EPA “watersense” toilets using 1.28 gallons per flush...we will set a higher standard in conservation using newer products that do the job at 1.1 gallons per flush, well exceeding the 20% required reduction.