



CAC Construction Update

July 09, 2013

Transbay Transit Center

TJPA





Period Summary

- There were no recordable or lost time incidents or injuries this period.
- There have been over 790,000 craft hours completed, excluding demolition, through June 30, 2013. Over 40,000 completed since the last meeting.
- Overall the excavation work is 78% complete.
- Bracing installation is complete in Zones 1 and 2; work continues in Zone 3 and has just begun in Zone 4. In Zone 3 struts are complete at bracing levels A and B, 85% complete at level C, 70% complete at level D.
- Production micropiles continue in Zone 2 (100% installed, 95% tested) and Zone 3 (44% installed). To date 1,230 have been installed and grouted. A total of 1,111 have been tested, all have passed.



Period Summary

- Demolition of the Buttress work slab in Zone 4 has been completed. The construction access trestle has been completed and is open for use. Level 1 excavation is approximately 85% complete in Zone 4.
- Grounding system installation, geothermal installation and mud slabs are completed in Zone 1.
- Zone 2 geothermal piping has been installed and tested in two of the four fields in the Zone.
- RUP 4.2, the AWSS Work, continued this period. Final testing has been completed between First and Second Streets, including the intersections. Final repaving of this area will be completed July 23. Work on the block between Beale and Main is now underway.

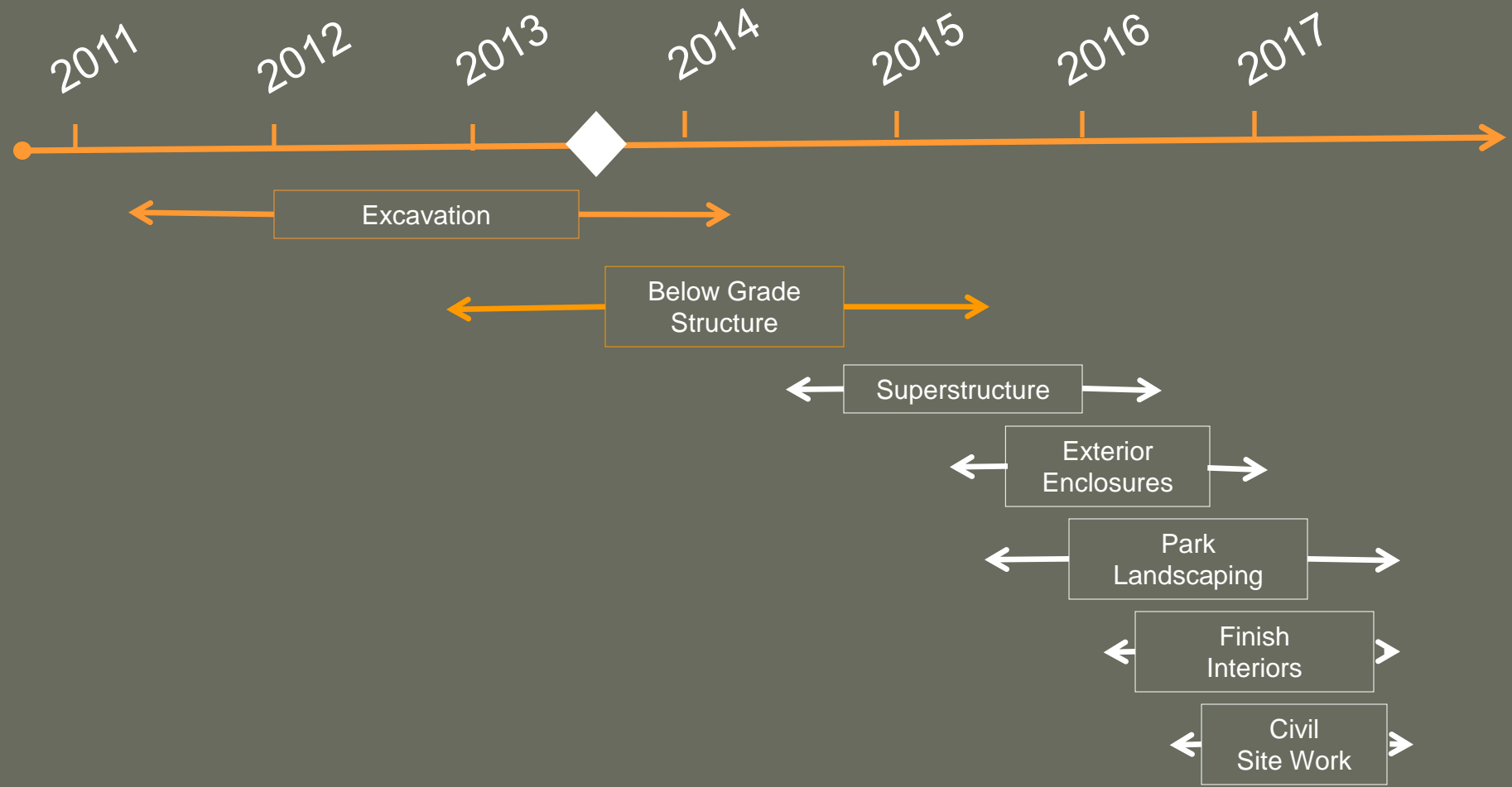


Construction The Next 90 Days

- Next 30 Days
 - Complete geothermal and grounding in Zone 2
 - Start grounding and geothermal in Zone 3
 - Start Zone 1 waterproofing and protection slab install.
 - Issue Structural Steel Contract.
 - Complete micropiles in west half of Zone 3, de-mobilize until October 2013.
- In 60 Days
 - Complete mud slab work in Zone 2.
 - Start mud slab pours in Zone 3.
 - Install Beale St. PG&E duct bank under traffic bridge.
 - Complete Level A bracing in Zone 4.
- In 90 Days
 - Start Zone 4 Level B Bracing.
 - Complete demolition of Buttress “tops” through Level 2.



Construction Timeline Summary





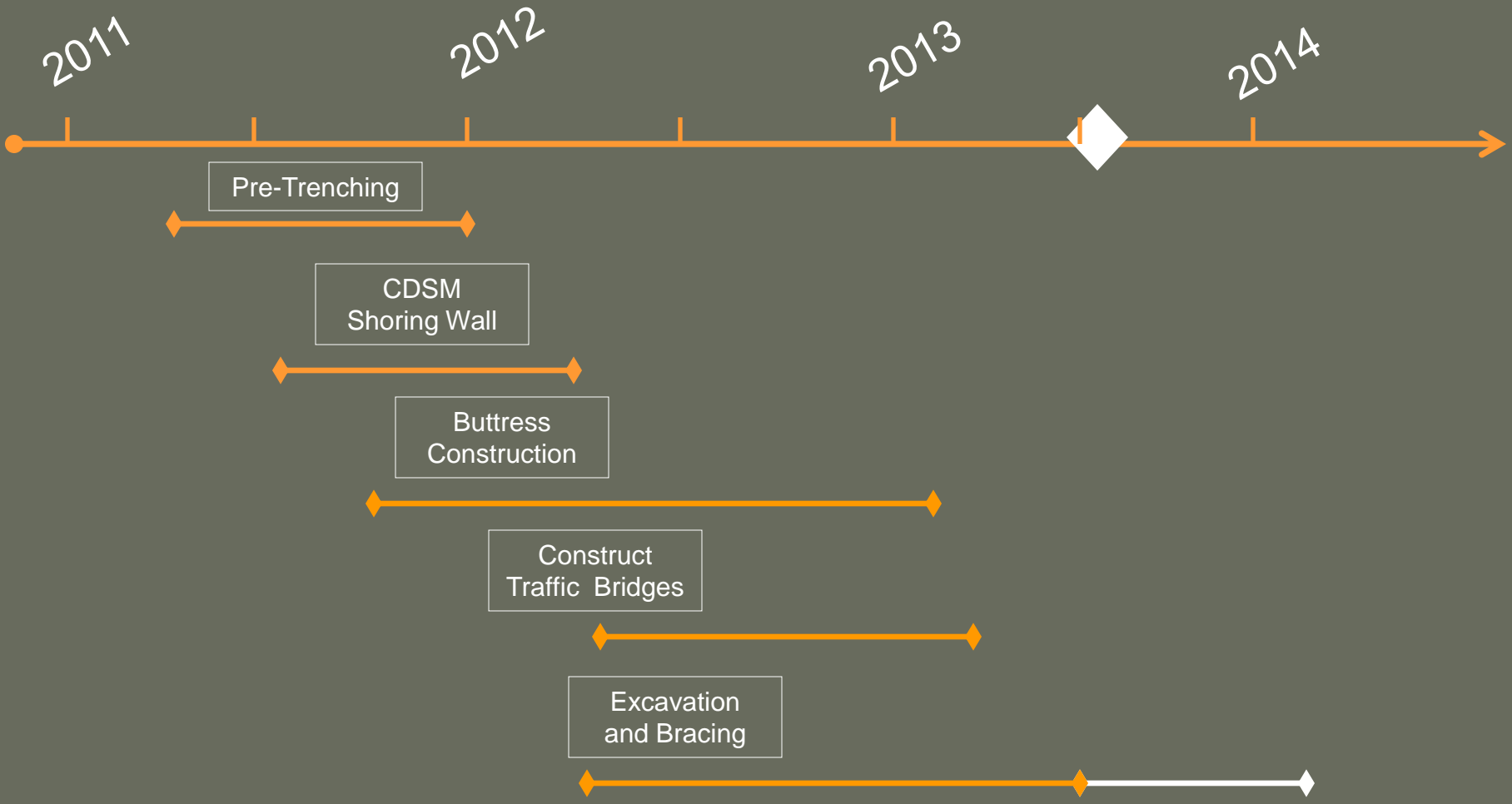
Construction Milestones

Key Schedule Dates	Baseline	May-13	Float
Install Final Traffic Bridge	Mar-13	Apr-13	
Complete Utility Relocations	Jul-13	Nov-13	985
Complete First Mat Pour	Jul-13	Aug-13	157
Complete Zone 2 Mat Pour	Aug-13	Dec-13	56
Complete Excavation	Jan-14	Mar-14	24
Complete Zone 1 Concourse Level Deck	Mar-14	May-14	31
Begin Steel Erection	Jun-14	Jul-14	33
Complete Steel Superstructure	Nov-15	Jan-16	0
Connect Bus Ramps to Transit Center	May-16	May-16	222
Complete Rough Interiors	Aug-16	Feb-17	19
Complete Exterior Curtain Wall	Jan-17	Mar-17	0
Complete Finish Interiors	Jul-17	Aug-17	16
Begin Bus Operations	Oct-17	Oct-17	0
Final Completion	Mar-18	Mar-18	0



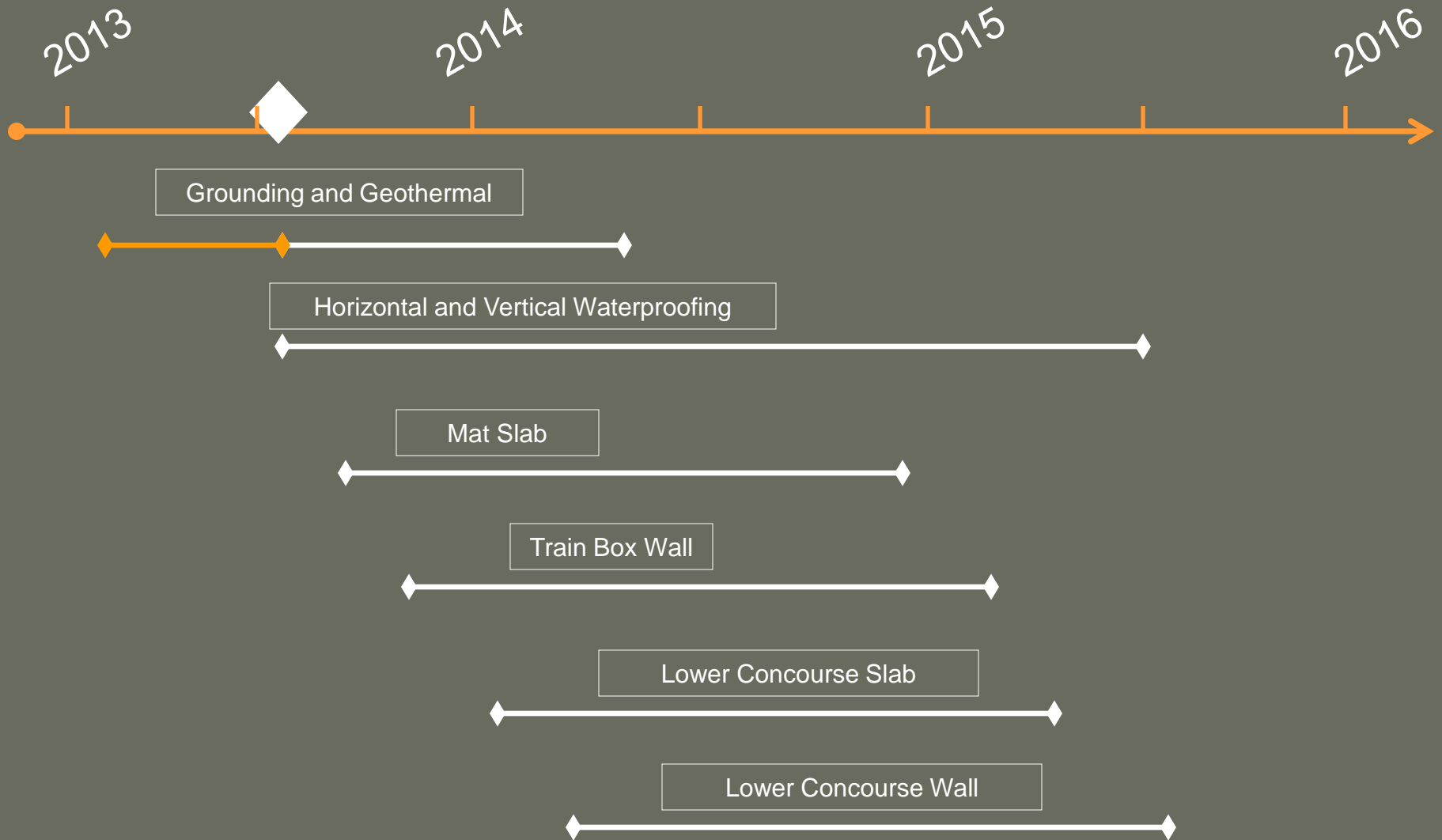
Transbay Transit Center

BSE Timeline Summary





Below Grade Concrete Timeline Summary

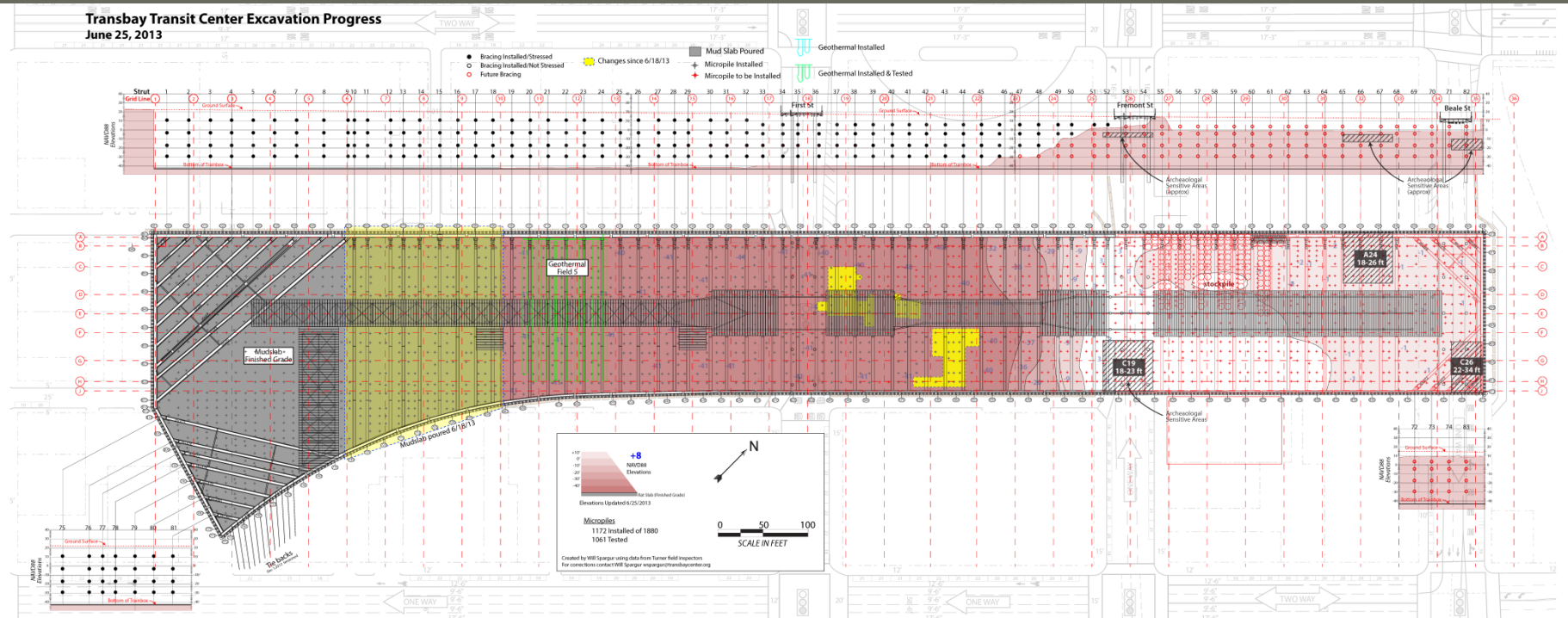




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Excavation and Bracing Status All Zones June 25, 2013

Transbay Transit Center Excavation Progress
June 25, 2013





Transbay Transit Center

Central and West Sections Progress



May 2013



July 2013



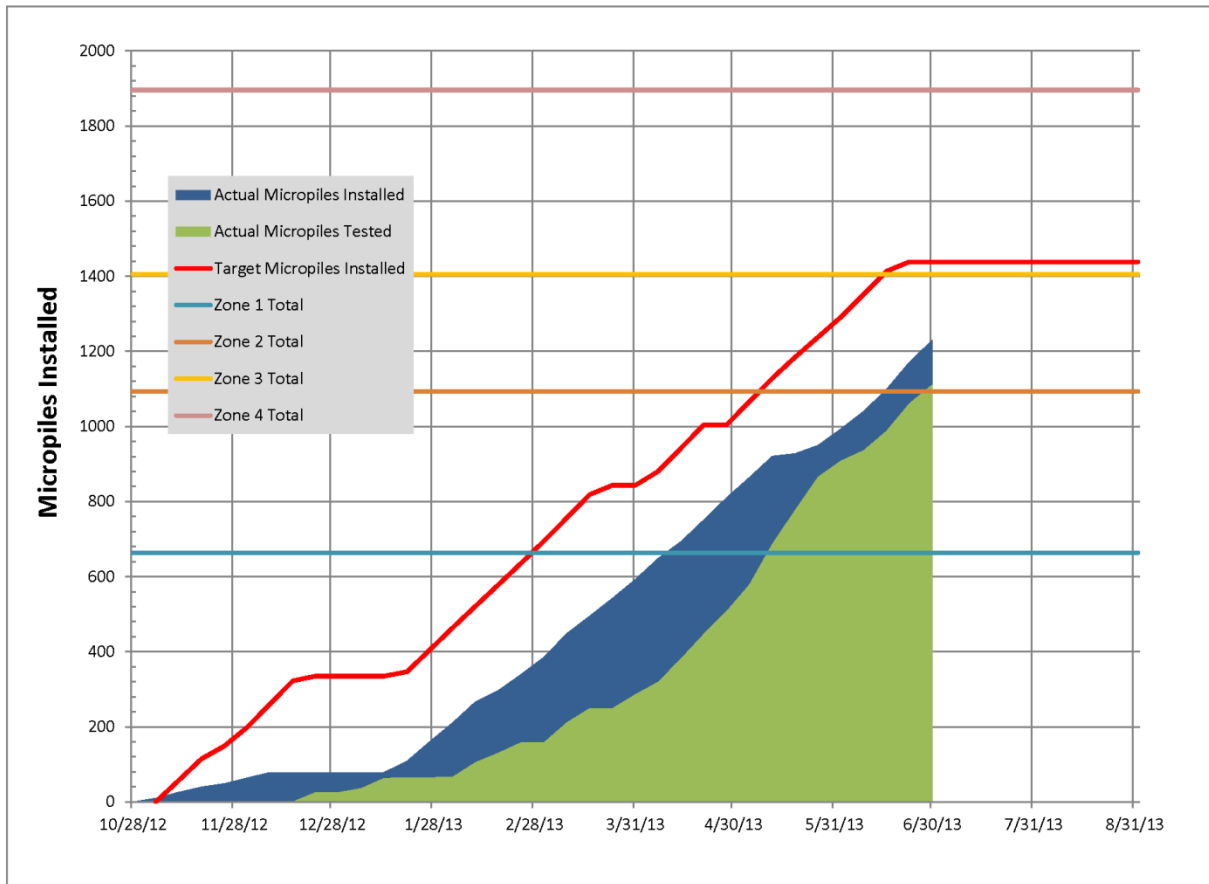
Micropile Status through June 30, 2013

Micropiles	Total	Installed	% Installed	Tested	% Tested
Zone 1	664	664	100%	664	100%
Zone 2	429	429	100%	409	95%
Zone 3	313	137	44%	38	12%
Zone 4	490	0	0%	0	0%
Overall	1896	1230	65%	1111	59%



Micropile Status through June 30, 2013

Micropile Installation Production





Micropiles – Zone 2





Geothermal Piping – Zone 2





Geothermal Piping – Zone 2





Subgrade and Mudslab Preparations – Zone 2





Subgrade and Mudslab Preparations – Zone 2





Excavation and Bracing – Zone 3



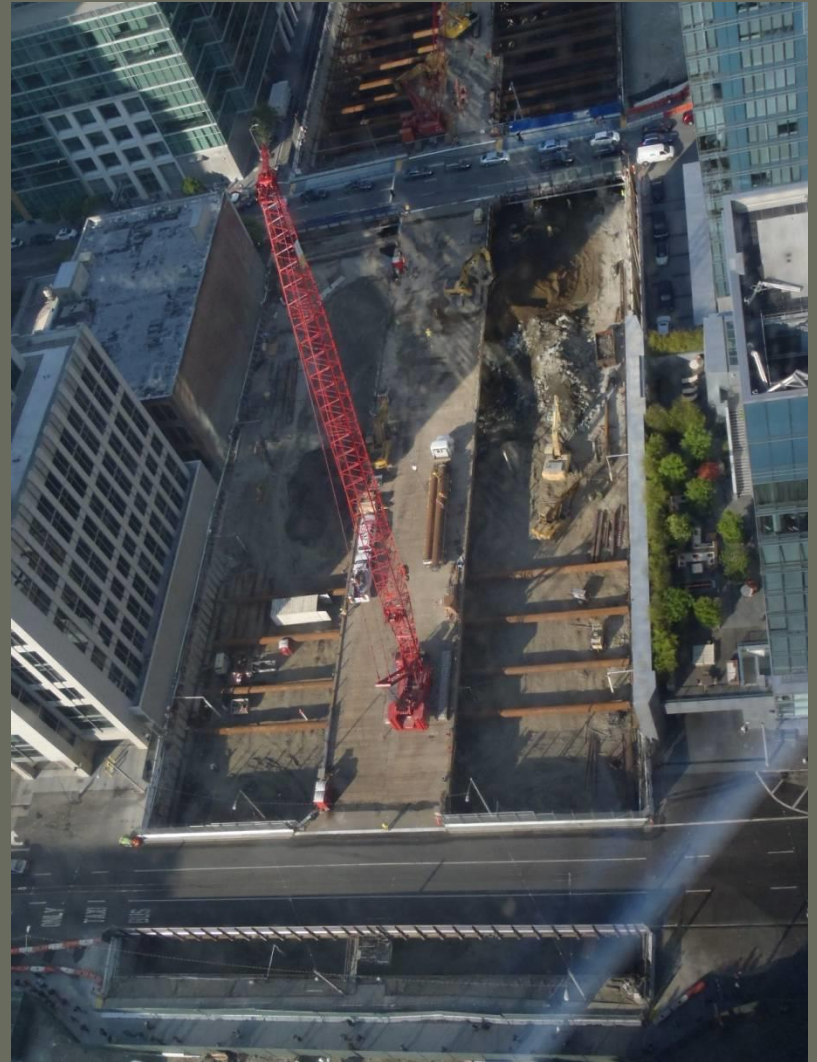


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East Section Progress



May 2013



July 2013



Zone 4 Progress



Zone 4 Progress





Utility Relocation - AWSS Installation Update





Questions?