



Construction Update

March 14, 2013

Transbay Transit Center

TJPA





Transbay Transit Center

Period Summary

- There were no recordable or lost time incidents or injuries this period. Last reported injury was September 2012.
- There have been over 685,000 craft hours completed, excluding demolition, through 2/28/13. Over 35,000 hours completed this period.
- The BSE contractor continued placement of Zone 1 mud slab now 16% complete in this area.
- Overall the excavation work is 63% complete.
- Bracing installation is complete in Zone 1, work continues in Zones 2 and 3. In Zone 2 struts are complete at bracing levels A, B and C and 63% complete at level D. In Zone 3 struts are complete at bracing level A, 85% complete at level B and 46% complete at level C.



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Period Summary

- Construction on RUP 4.2, the AWSS Work, continued this period on Mission Street and will continue into mid 2013. Work will continue from west to east between Second and Beale Streets.
- Production micropiles continue in Zone 1. To date 386 have been installed and grouted. Production micropiles are tested for “pull-out strength.” To date 158 have been tested, all have passed.
- The BSE Contractor continues to demobilize the buttress shaft and water treatment equipment.
- Demolition of the buttress drilling / work platform has begun.
- Preparations for the Beale Street bridge continued this period. The bridge support piles and abutments for the west half were completed 3/1. Work has begun on east half.



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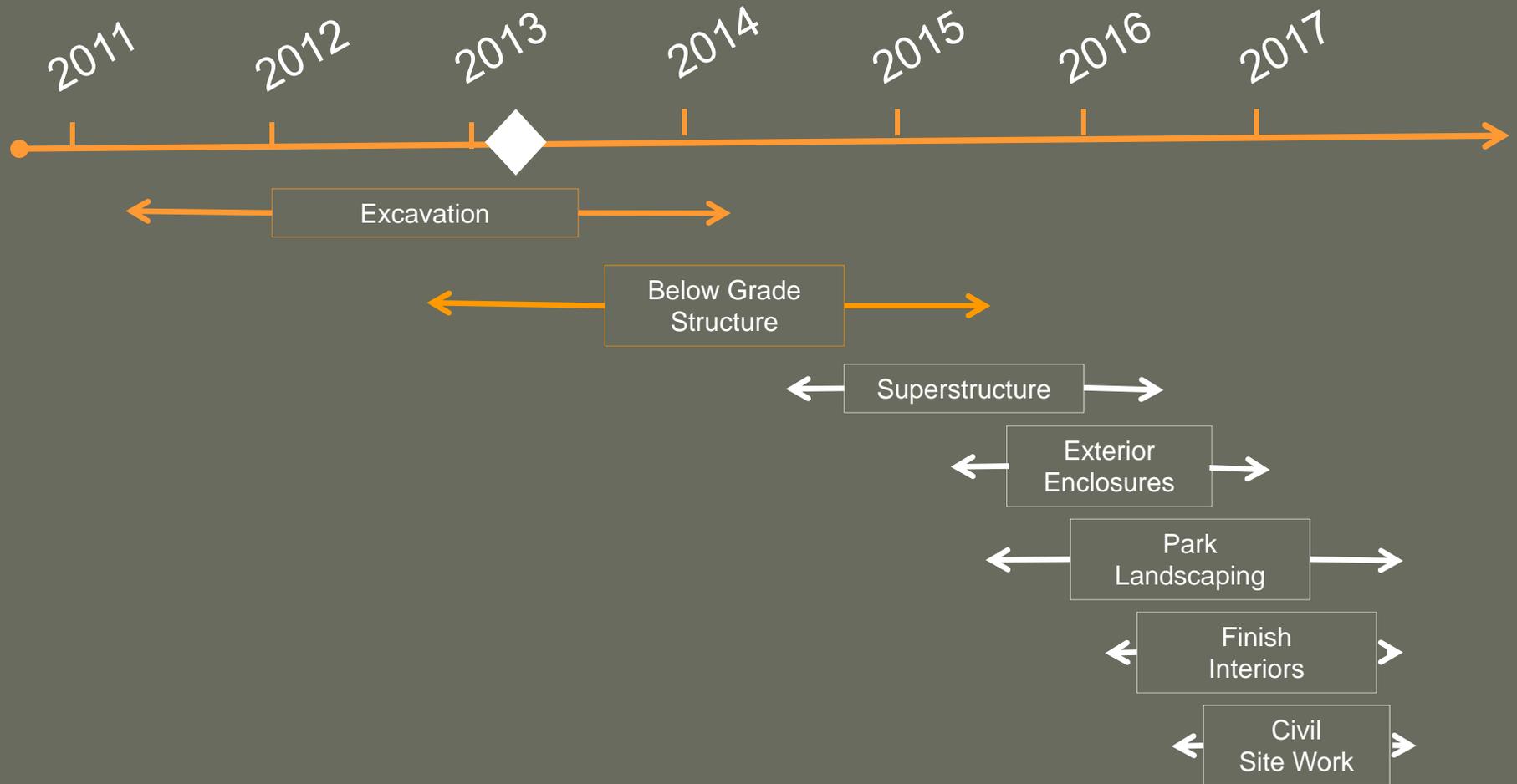
The Next 90 Days

- Complete Excavation in Zone 2 by end of March.
- Complete demolition of buttress drill platform and begin excavation in Zone 4.
- Complete production micropiles in Zone 1 and begin production piles in Zone 2.
- Complete all concrete mud slab pours in Zone 1.
- Complete Beale Street traffic bridge preparation and install the temporary bridge over April 5 to 7 weekend.
- Grounding trade contractor work will continue in Zone 1. Geothermal trade contractor will start Zone 1 work in March.
- Start Zone 1 waterproofing and reinforcing steel installation in preparation for the structural slab placement.



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Construction Timeline Summary





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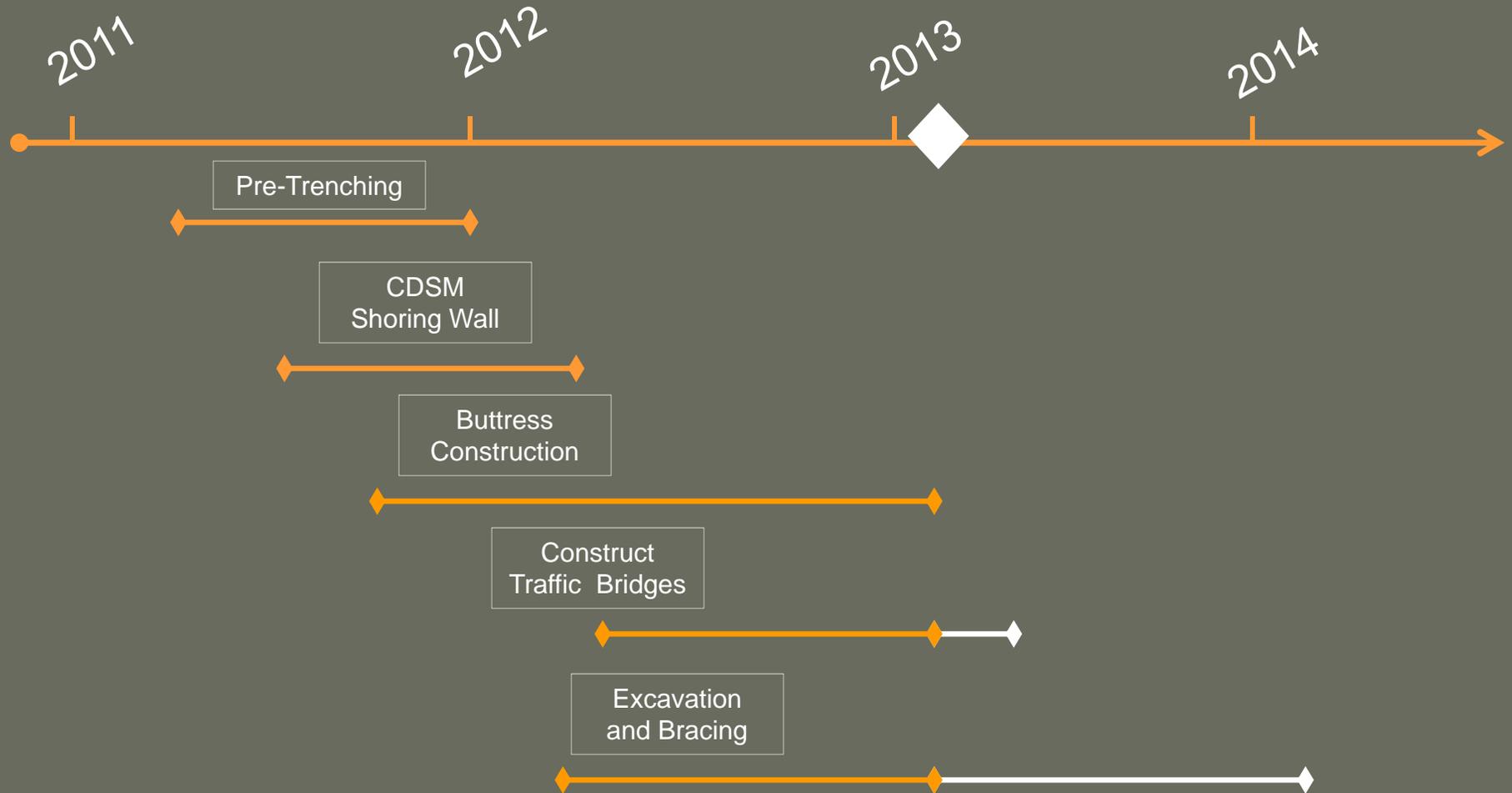
Construction Milestones

Key Schedule Dates	2011 Baseline Schedule	Feb 2013 Schedule Update	Current Float
Install Final Traffic Bridge	Mar-13	Apr-13	24
Complete Utility Relocations	Jul-13	Sep-13	999
Complete First Mat Pour	Jul-13	Jun-13	52
Complete Zone 2 Mat Pour	Aug-13	Oct-13	42
Complete Excavation	Jan-14	Feb-14	4
Complete Zone 1 Concourse Level Deck	Mar-14	May-14	52
Begin Steel Erection	Jun-14	Jun-14	0
Complete Steel Superstructure	Nov-15	Sep-15	0
Connect Bus Ramps to Transit Center	May-16	May-16	128
Complete Rough Interiors	Aug-16	Jun-16	35
Complete Exterior Curtain Wall	Feb-17	Feb-17	0
Complete Finish Interiors	Jul-17	Jul-17	7
Begin Bus Operations	Oct-17	Oct-17	0
Final Completion	Mar-18	Apr-18	0



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BSE Timeline Summary





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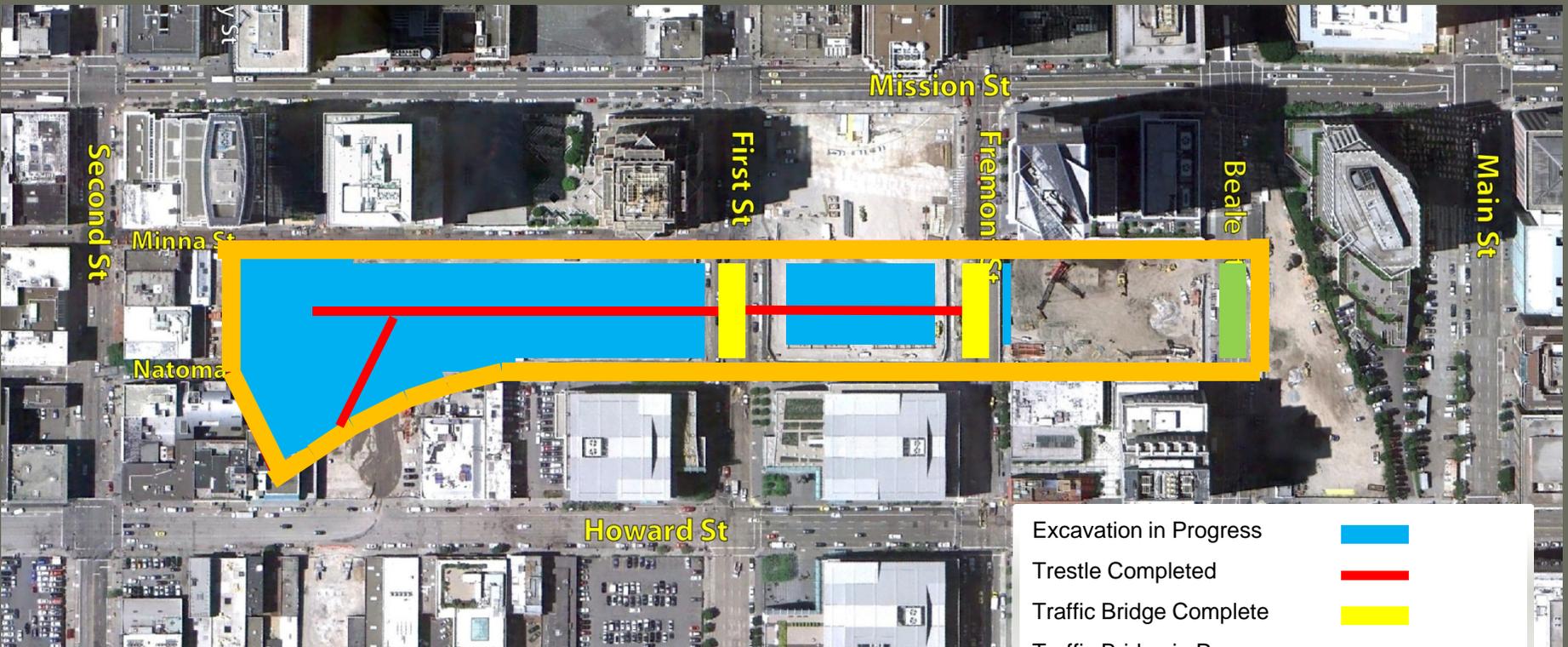
Current Site Status

2011

2012

2013

2014





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Central and West Sections Progress



Early February 2013



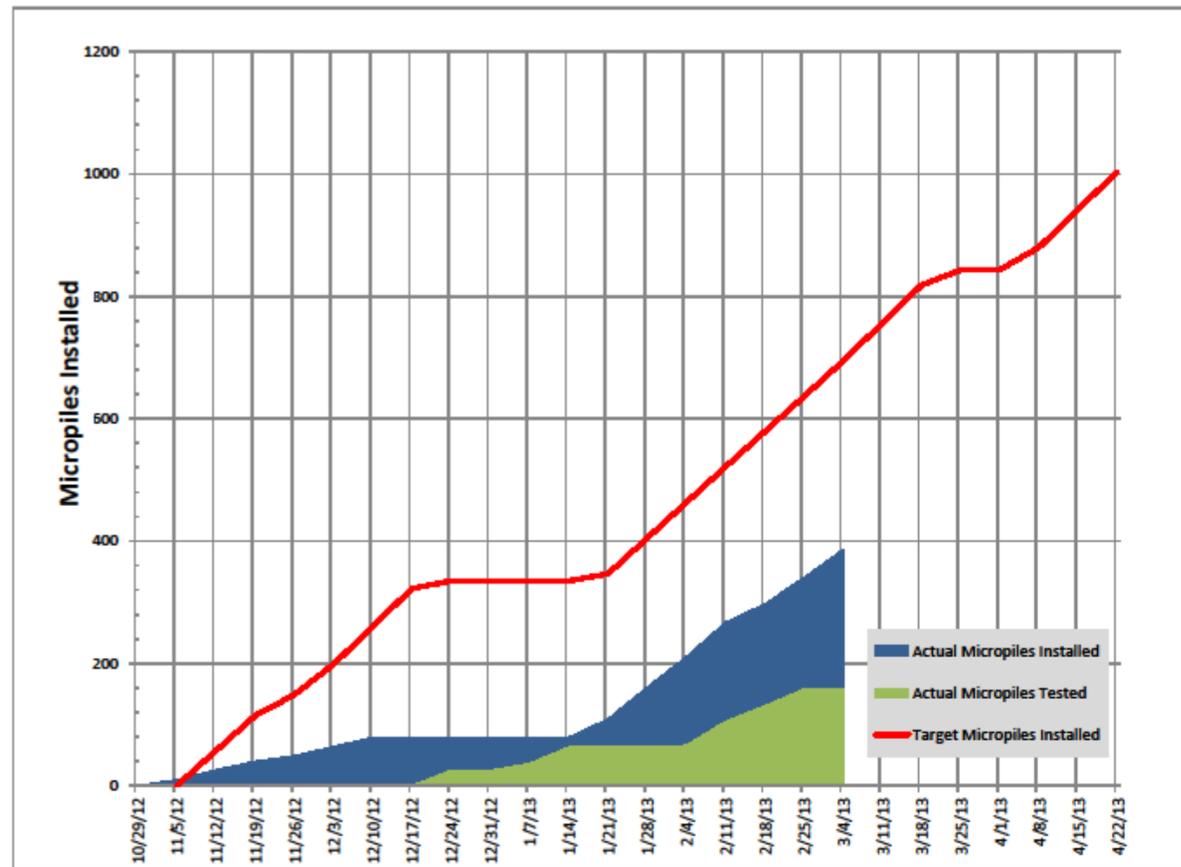
Late February 2013



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Micropile Status March 4, 2013

Zones 1 and 2 Micropile Installation



Date: 3/4/2013



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Micropiles – Zone 1





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Mud Slab – Zone 1





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Excavation and Bracing – Zone 2





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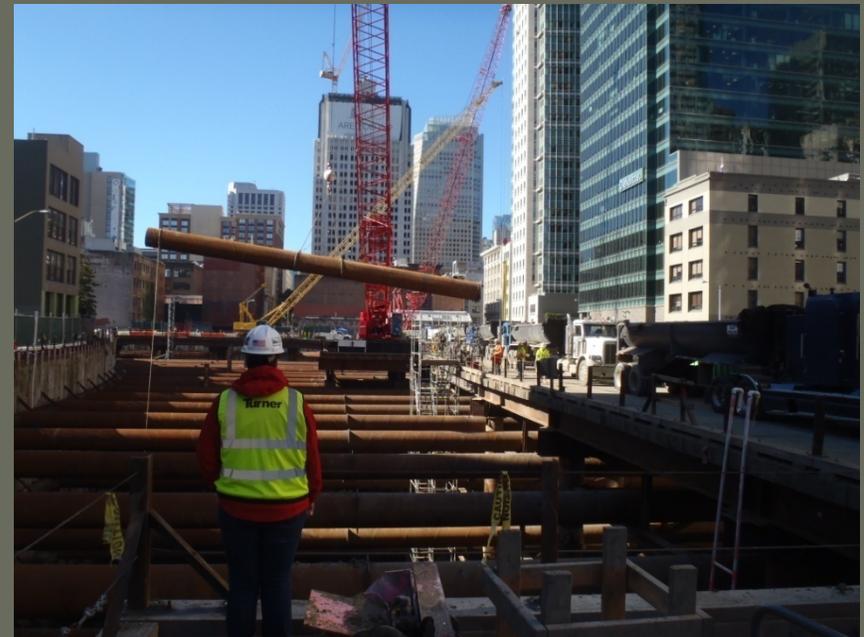
Excavation and Bracing – Zones 2 and 3





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Excavation and Bracing – Zone 3





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East Section Progress



Early February 2013



Early March 2013



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Zone 4 Progress





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Utility Relocation - AWSS Installation Update





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Bay Area Labor – Trade Packages

- To date, Webcor / Obayashi's Trade Subcontractors have worked a total of:

686,761 Craft Hours

- To date, Bay Area Labor has contributed 433,023 hours, or 63% of the total Craft Hours.



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Bay Area Regional Labor Breakdown

Labor by Area	Through February 2013	
Location	Total Hours Completed	Hours Percent
East Bay (Alameda, Contra Costa, Solano)	210,373	31%
North Bay (Marin, Napa, Sonoma)	18,542	3%
South Bay (San Mateo, Santa Clara)	70,665	10%
San Francisco	133,444	19%
Other*	253,737	37%
Totals	686,761**	100%

*Other includes workers from throughout California including the Central Valley as well as workers from out of state who are onsite for specific tasks.

**Total hours are for the Transit Center construction work and do not include the initial Demolition work represented by a total of approximately 55,000 craft hours.



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Labor Breakdown by Trade through February 2013

Classification	TTC Building and RUP's*
Inspectors – Soils / Material Test	38
Carpenters and Related Trades	35
Cement Mason	21
Electrical – Utility Lineman	22
Electrician	23
Field Surveyor	16
Iron Worker	56
Laborer and Related Trades	444
Operating Engineer	275
Pile Drivers	114
Roofer	5
Sheet Metal	5
Teamsters	153
Tile Setters / Finishers	7
Totals	1,214

* Relocation of Utilities Project



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Questions?