



Construction Update

January 10, 2013

Transbay Transit Center

TJPA





Transbay Transit Center

Period Summary

- There were no recordable or lost time incidents this period.
- There have been over 599,000 craft hours completed, excluding demolition, through 1/2/13. Over 38,000 completed this period.
- Overall excavation is 50% complete.
- Bracing installation continued in Zones 1, 2 and 3. Struts are complete in Zone 1 at bracing levels A, B and C and 85% complete at level D. In Zone 2 struts are complete at bracing levels A and B and 30% complete at level C. In Zone 3 struts are installed at bracing level A and 17% complete at level B.



Transbay Transit Center

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 on Mission Street between Second and Fremont Streets.
- Production micropiles continue in Zone 1. To date 79 have been completed. 100% of the production micropiles are tested for “pull-out strength.” To date 36 have been tested, all have passed.
- The engineers have completed the study of the Buttress shafts installed to date. They have determined a total of 25 shafts can be eliminated, reducing the total to be installed to 182.
- The BSE Contractor has completed 172 buttress shafts through 1/7/13, a total of 9 since our last update. A total of 10 remain to be completed.



Transbay Transit Center

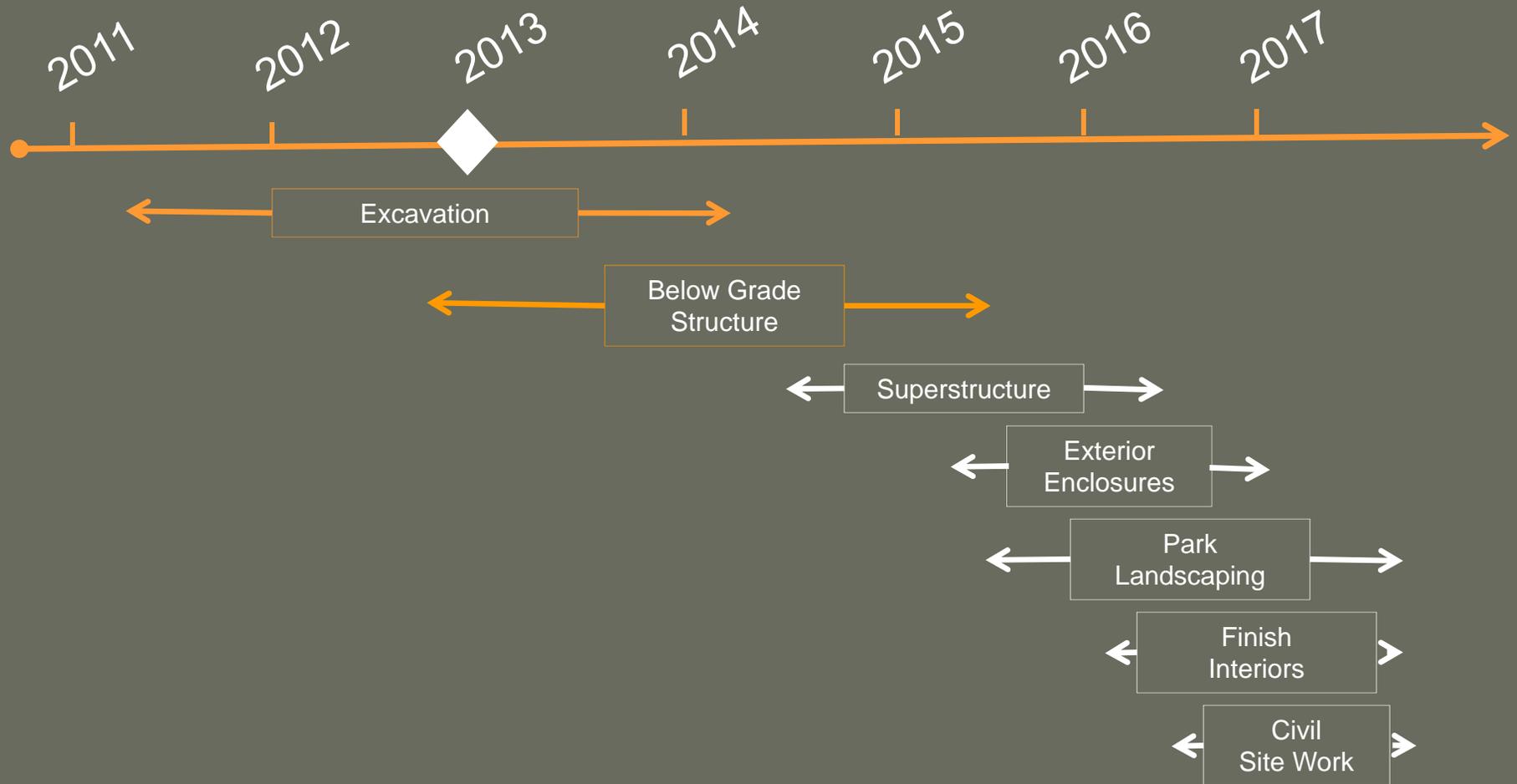
The Next 90 Days

- Complete Excavation in Zone 1 by end of January.
- Start excavation in Zone 4 in early February.
- Complete production micropiles in Zone 1 and begin production piles in Zone 2.
- Complete first concrete mud slab pour in Zone 1.
- Complete Beale Street traffic bridge preparation and installation by early April.
- Grounding trade contractor, working for the Below Grade Structure trade contractor will begin work in January. Start geothermal trade contractor in February.
- Complete reduced Buttress Shaft work in Zone 4 by end of February.



Transbay Transit Center

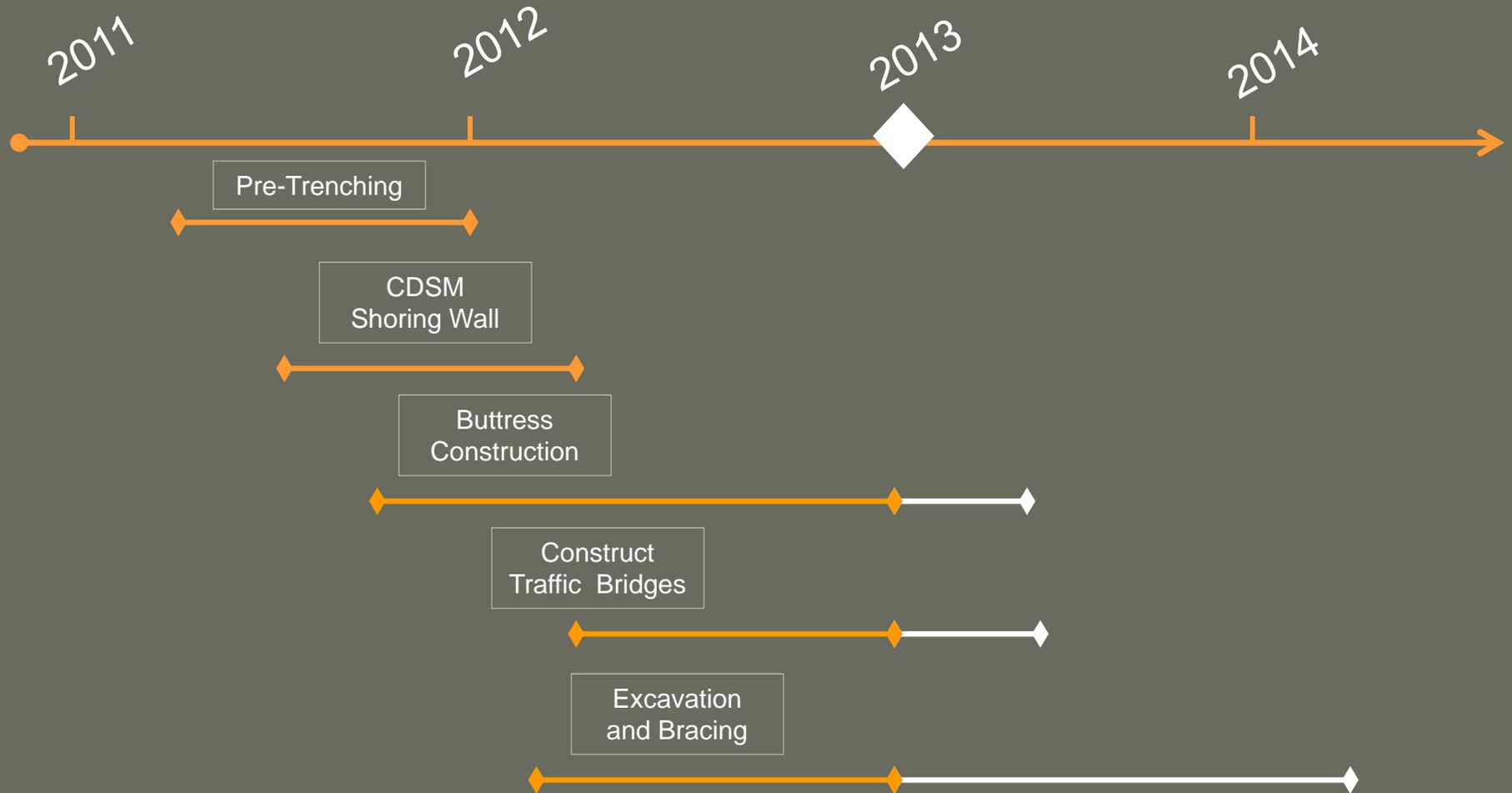
Construction Timeline Summary





Transbay Transit Center

BSE Timeline Summary





Transbay Transit Center

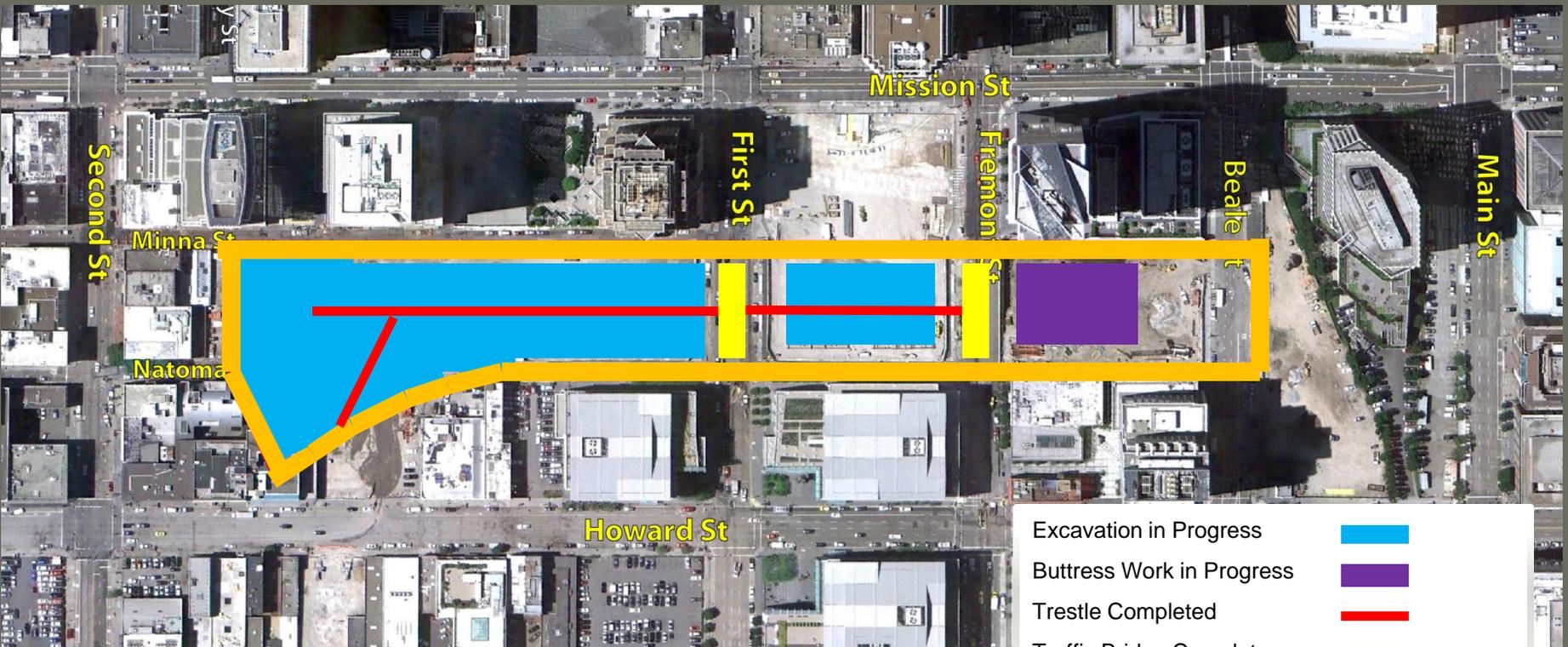
Current Site Status

2011

2012

2013

2014

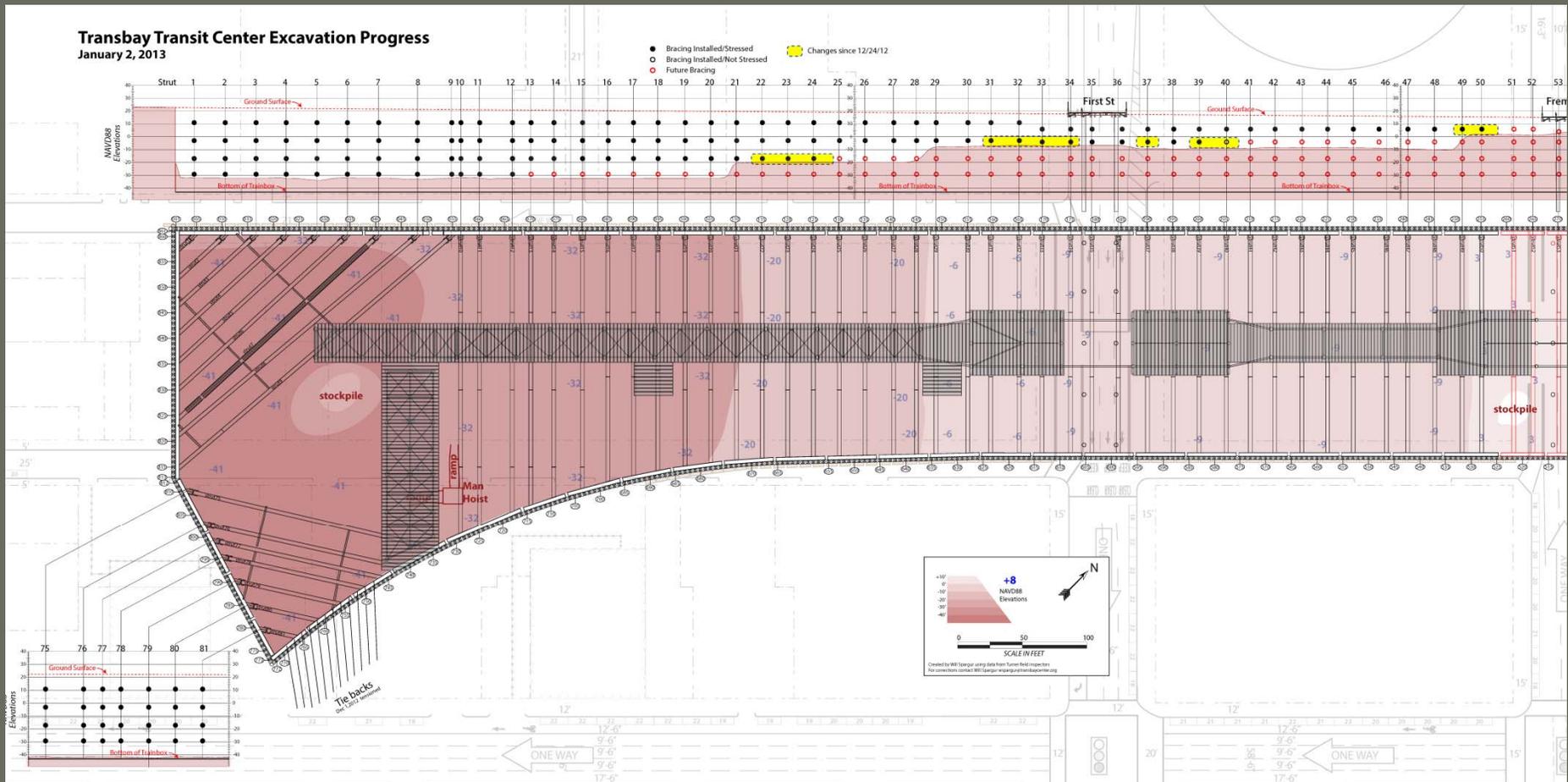


- Excavation in Progress 
- Buttress Work in Progress 
- Trestle Completed 
- Traffic Bridge Complete 



Transbay Transit Center

Excavation and Bracing Status January 2, 2013





Transbay Transit Center

Central and West Sections Progress



End of November 2012



End of December 2012



Transbay Transit Center

Excavation and Micropiles – Zone 1





Transbay Transit Center

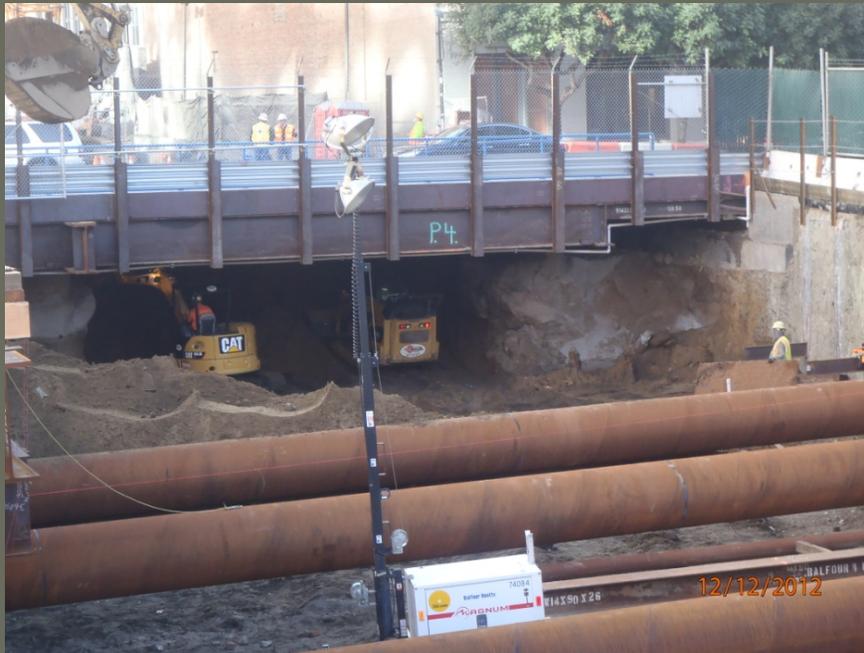
Excavation and Bracing – Zone 2





Transbay Transit Center

Excavation – Zone 3





Transbay Transit Center

East Section Progress



End of November 2012

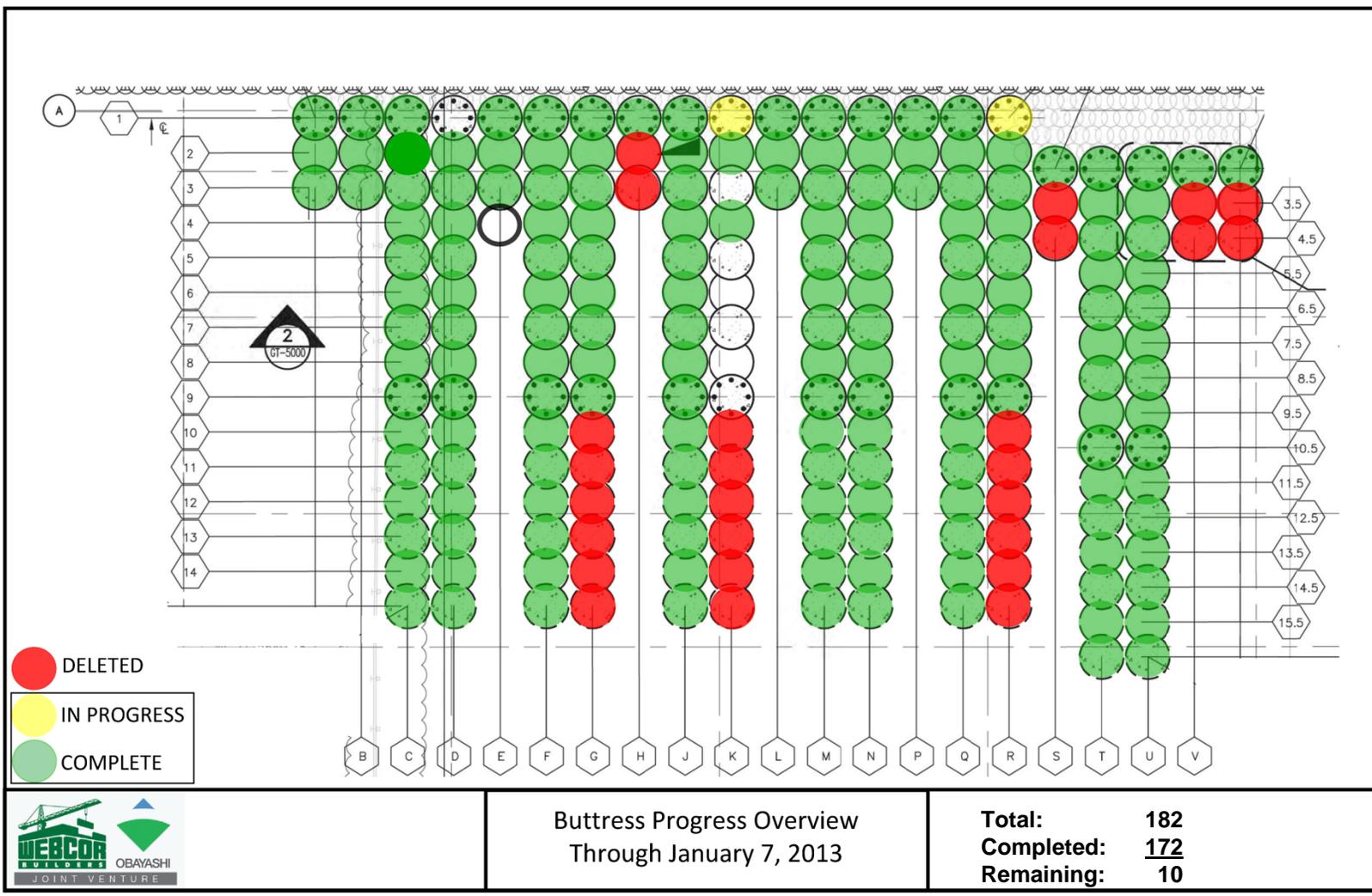


End of December 2012



Transbay Transit Center

Buttress Progress



Buttress Progress Overview
Through January 7, 2013

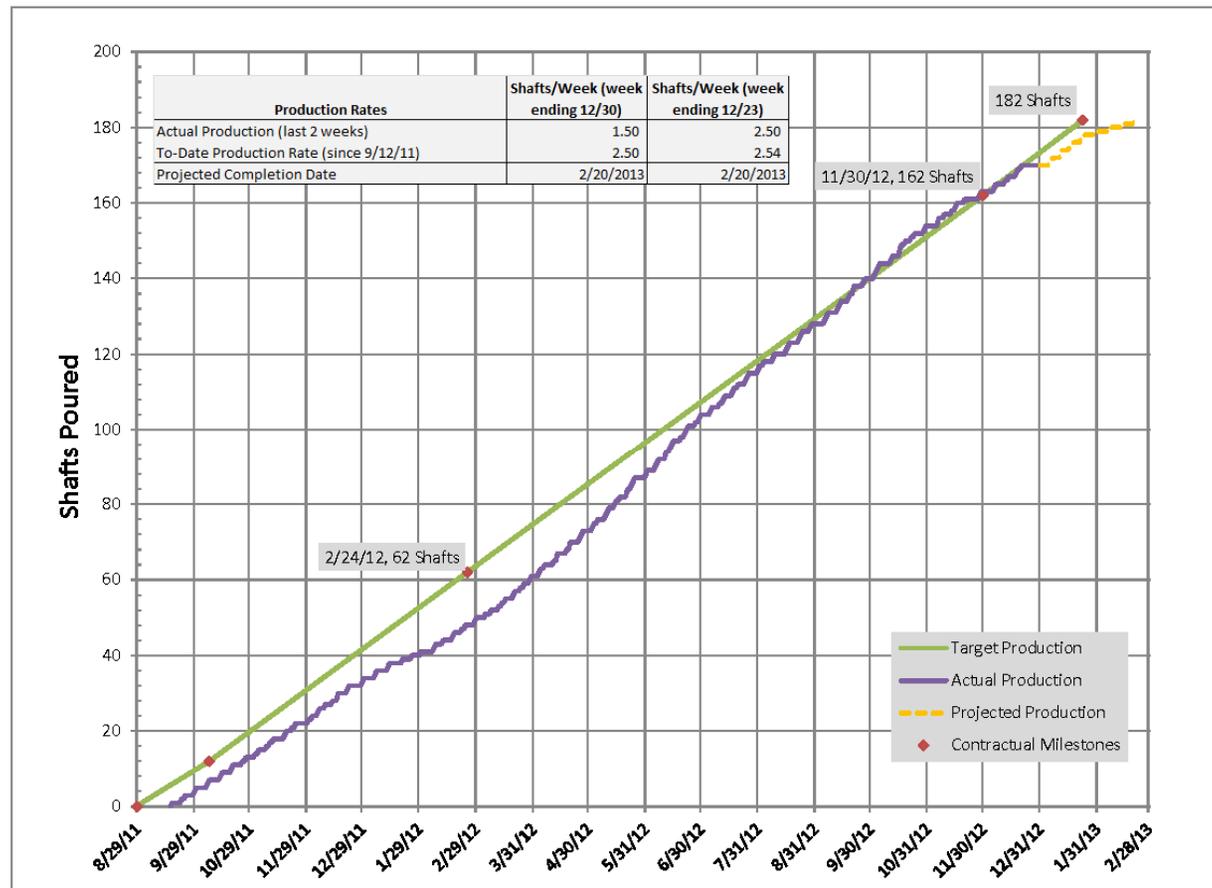
Total: 182
Completed: 172
Remaining: 10



Transbay Transit Center

Buttress Progress

Buttress Shaft Production (through 182 total shafts)

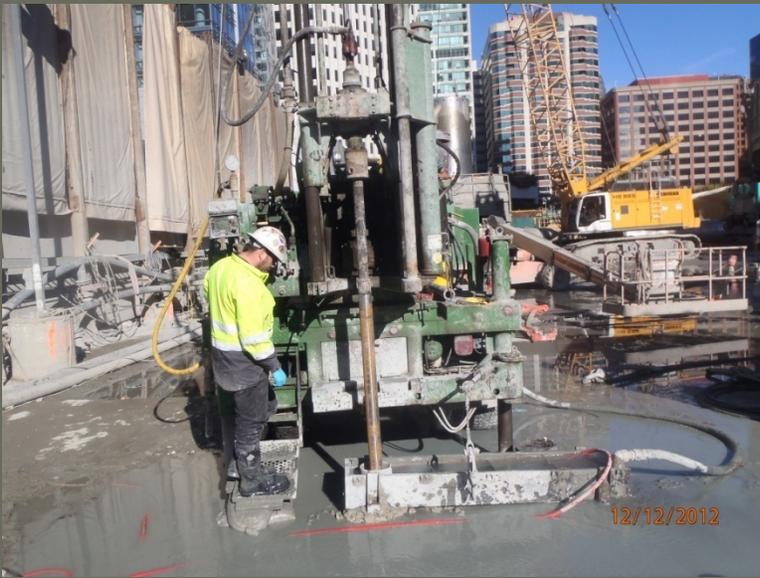


Date: 1/2/2013



Transbay Transit Center

Buttress Progress



Quality Control coring
of Buttress Shafts





Transbay Transit Center

Utility Relocation - AWSS Installation Update

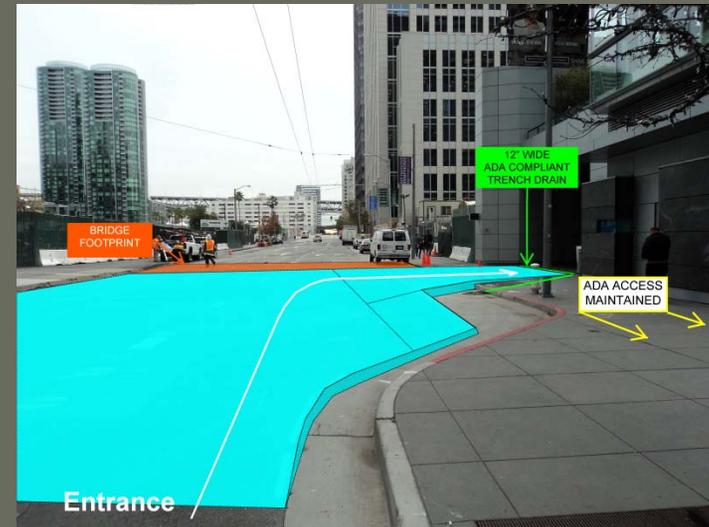




Transbay Transit Center

Beale Street Traffic Bridge

- 1/7/13 - 1/11/13 Drill/Pour OCS Foundations near 301 Mission and 199 Fremont.
- 1/14/13-1/25/13 East side of Beale Street, work includes paving to raise grade and installation of east OCS poles.
- 1/28/13-3/1/13 West side Beale Street, work includes paving, pier installation, abutment installation and west OCS poles.
- 3/4/13-4/3/13 East side Beale Street work includes pier installation, abutment installation and bridge assembly.
- Target Installation 3/29/13-4/1/13 Full weekend close of Beale Street for bridge installation, new OCS poles and alignment.





Transbay Transit Center

Transit Center Construction Budget Status

TRANSBAY TRANSIT CENTER PROGRAM

Reporting Period 107 : Ending 11/30/12

Facility ID And Description	Baseline Budget	Budget Xfer/ Changes	Current Budget	Committed To Date	Actual To Date
100 100. Transit Center Projectwide Facility	50.731.500	17.021.296.00	67.752.796	34.950.994	29.065.543
111 111. Existing Terminal Building & Ramps	14.862.000	852.389.00	15.714.389	15.714.388	15.714.387
121 121. Utility Relocation	58.374.044	-33.697.185.75	24.676.858	22.125.608	18.784.470
131 131. Temporary Terminal	21.700.850	603.835.00	22.304.685	22.304.685	22.304.685
132 132. Temporary Terminal Demolition	1.000.000	0.00	1.000.000	0	0
141 141. Above Grade Bus Terminal	549.360.304	-9.358.222.25	540.002.082	25.412.490	9.697.581
142 142. Below Grade Train Station	326.250.838	27.159.106.00	353.409.944	243.554.541	156.958.713
151 151. TC Building Bus Ramps	39.037.781	13.093.883.00	52.131.664	419.406	419.406
160 160. Bus Storage	18.324.000	250.000.00	18.574.000	0	0
Report Totals	1,079,641,317	15,925,101	1,095,566,418	364,482,112	252,944,786



Transbay Transit Center

Bay Area Labor – Trade Packages

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

599,113 Craft Hours

- To date, Bay Area Labor has contributed 377,980 hours, or 63% of the total Craft Hours.



Transbay Transit Center

Bay Area Regional Labor Breakdown

Labor by Area	Through December 2012	
Location	Total Hours Completed	Hours Percent
East Bay (Alameda, Contra Costa, Solano)	178,847	30%
North Bay (Marin, Napa, Sonoma)	15,996	3%
South Bay (San Mateo, Santa Clara)	62,835	10%
San Francisco	120,302	20%
Other*	221,133	37%
Totals	599,113**	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.



Transbay Transit Center

Labor Breakdown by Trade through December 2012

Classification	TTC Building and RUP's*
Inspectors – Soils / Material Test	38
Carpenters and Related Trades	31
Cement Mason	13
Electrical – Utility Lineman	19
Electrician	21
Field Surveyor	16
Iron Worker	55
Laborer and Related Trades	412
Operating Engineer	249
Pile Drivers	97
Roofer	2
Sheet Metal	5
Teamsters	134
Tile Setters / Finishers	7
Totals	1,099

* Relocation of Utilities Project



Transbay Transit Center

Questions?