



CAC Construction Update

January 14, 2014

Transbay Transit Center

TJPA





Period Summary

- There was one recordable injury and no lost time injuries this period. In addition, there were four minor incidents reported. The recordable incident involved the laceration of 2 fingers. The incident occurred as an RUP worker was handling the AWSS pipe. The minor incidents included damage to a pick up truck caused by a dump truck, a worker struck by rigging, a worker stepping into a pit and a stolen truck.
- There have been over 940,000 craft hours completed, excluding demolition, through December 31, 2013. More than 55,000 since our last presentation.
- RUP 4.2, the AWSS Work continues. In order to coordinate with SFMTA – MUNI, the AWSS work began at night in the intersection of Main and Mission Streets and will continue westward through March.



Period Summary

- Overall the excavation work is over 98% complete. Internal Bracing installation is 99% complete including all Zone 4 bracing through level C. All bracing and excavation work should complete before the end of January.
- Micropile installation re-started ahead of schedule in the remaining portion of Zone 3.
- Level D bracing continues in Zones 1 and 2.
- Grounding, Geothermal, Mud Slab, Waterproofing and Protection Slab installation has been completed in all available areas. It will re-start shortly after completion of the micropile installation.
- The initial 9 of 15 mat foundation slab pours have been completed (over 34,000 cyd's of concrete).
- Zone 2 Wall and Column placement has begun.



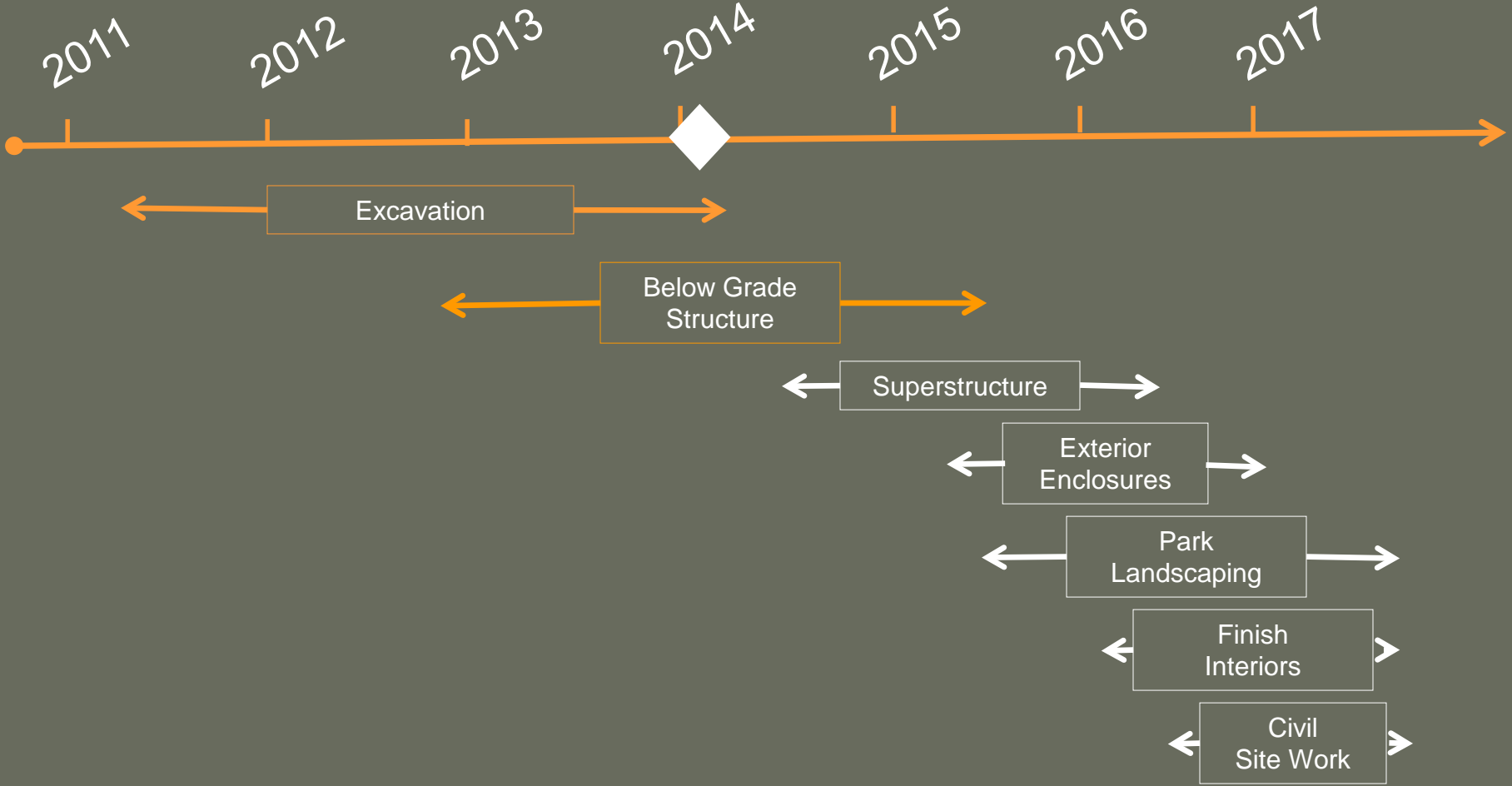
Construction The Next 90 Days

- Next 30 Days (January)
 - Complete Zone 4 Level D Bracing.
 - Complete excavation.
 - Continue foundation walls in Zones 1 and 2.
 - Complete Zone 3 micropiles, start Zone 4.
 - Complete Zone 3 grounding and geothermal installation.
 - Continue Cast Node fabrication.
 - Continue AWSS work between Main and Beale Streets on Mission Street.
- In 60 Days (February)
 - Complete remaining Zone 3 mud slab installation.
 - Continue Zone 4 micropiles.
 - Continue foundation walls, columns and re-bracing in West & Central zones.
 - Award bid packages 7.2, 8.1 and 8.2.
- In 90 Days (March)
 - Begin work on Lower Concourse slab, Zone 2.
 - Pour mat slab 11 in Zone 3.
 - Receive bids for the Vertical Transportation (BP 14.1) package.



Transbay Transit Center

Construction Timeline Summary





Construction Milestones

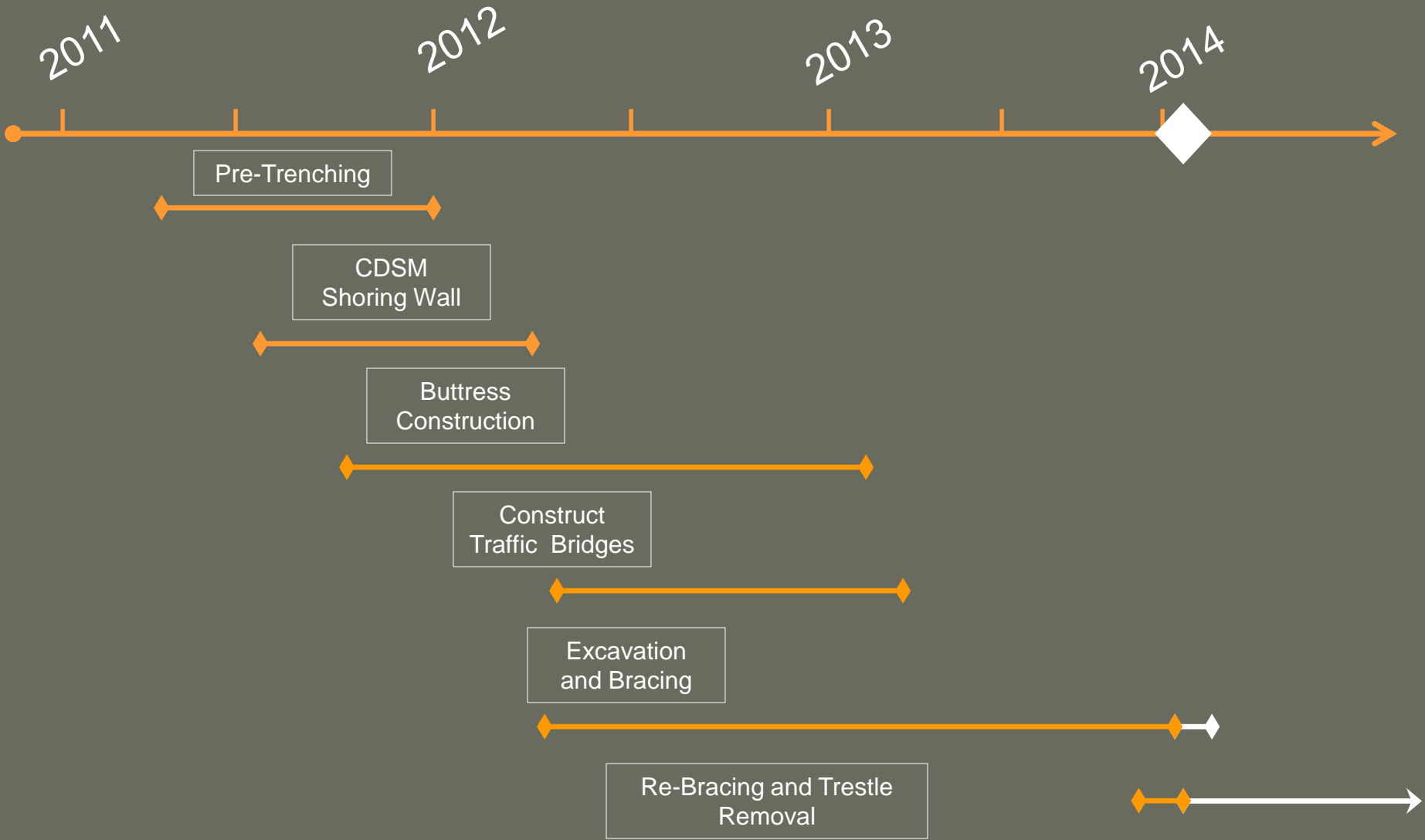
Key Schedule Dates	Baseline	25-Nov-13		Float
Complete Utility Relocations	8-Jul-13	16-May-14		850
Complete First Mat Pour	8-Jul-13	9-Sep-13	A	
Complete Zone 2 Mat Pour	27-Aug-13	24-Nov-13	A	
Complete Excavation	6-Jan-14	3-Mar-14		61
Complete Zone 1 Concourse Level Deck	7-Mar-14	10-Jul-14		45
Begin Steel Erection	6-Jun-14	18-Jul-14		0
Complete Steel Superstructure	19-Nov-15	1-Dec-15		0
Connect Bus Ramps to Transit Center	1-May-16	25-Aug-16		13
Complete Rough Interiors	17-Aug-16	1-Dec-16		61
Complete Exterior Curtain Wall	5-Jan-17	23-Nov-16		35
Complete Finish Interiors	25-Jul-17	9-Aug-17		50
Begin Bus Operations	23-Oct-17	23-Oct-17		0
Final Completion	28-Mar-18	21-Jan-18		0

A = Actual Completion Date



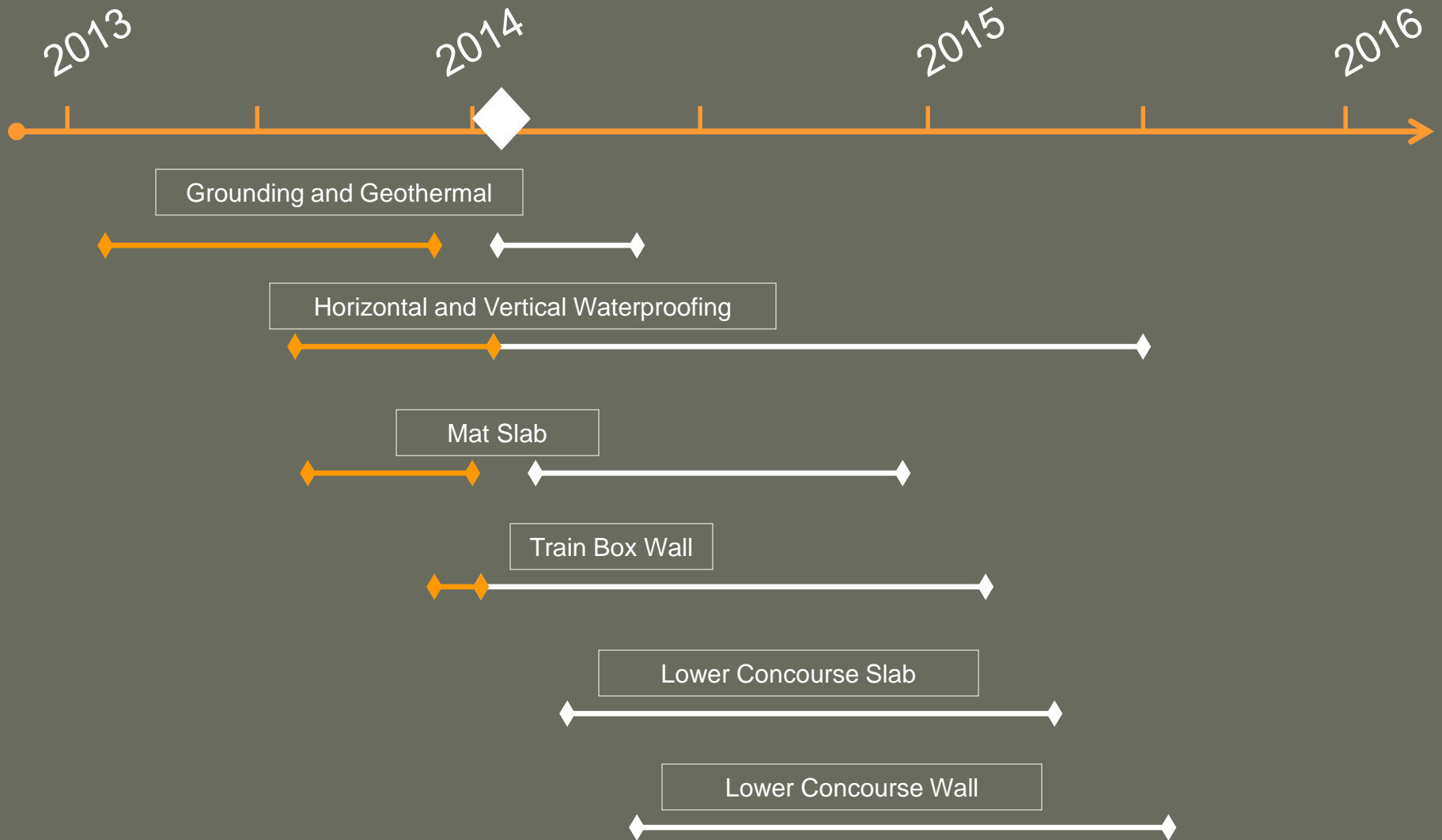
Transbay Transit Center

BSE Timeline Summary





Below Grade Concrete Timeline Summary





Transbay Transit Center

Central and West Sections Progress



November 2013



January 2014



Transbay Transit Center

Mat Foundation Slab Pour Number 9 of 15



2013/12/07



2013/12/07



Mat Foundation Slab Pour Number 9 of 15





Bracing Removal, Waterproofing and Wall Forms – Zone 1





Transbay Transit Center

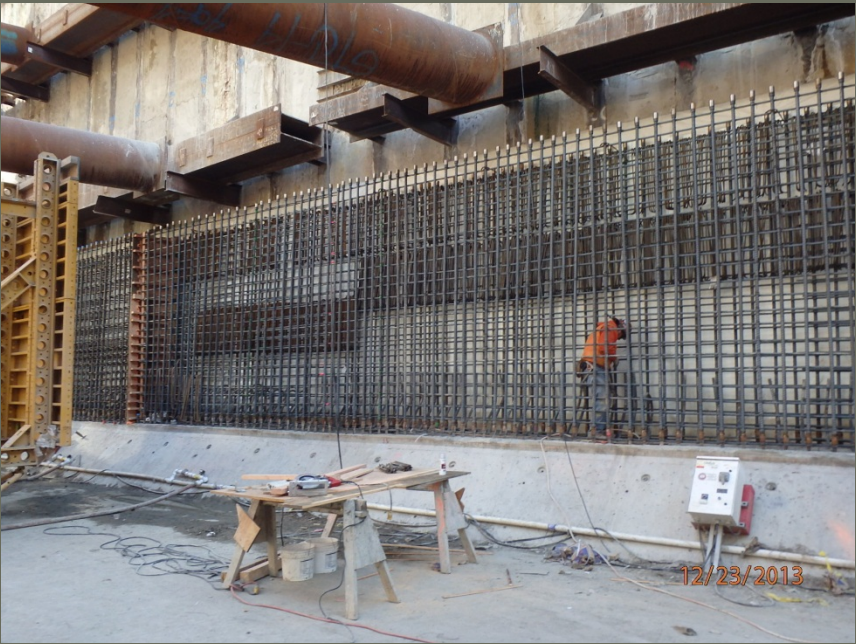
Train Box Walls – Zone 2





Transbay Transit Center

Train Box Walls – Zone 2





Transbay Transit Center

Train Box Columns – Zone 2



2013/12/27



2013/12/26



2013/12/26



Transbay Transit Center

Re-Start Micropiles



Turner Construction - Transbay Transit Center
External Floor Frame, January 3, 2014 - Photo 2-32



Turner Construction - Transbay Transit Center
External Floor Frame, January 3, 2014 - Photo 2-36



Transbay Transit Center

Re-Start Micropiles





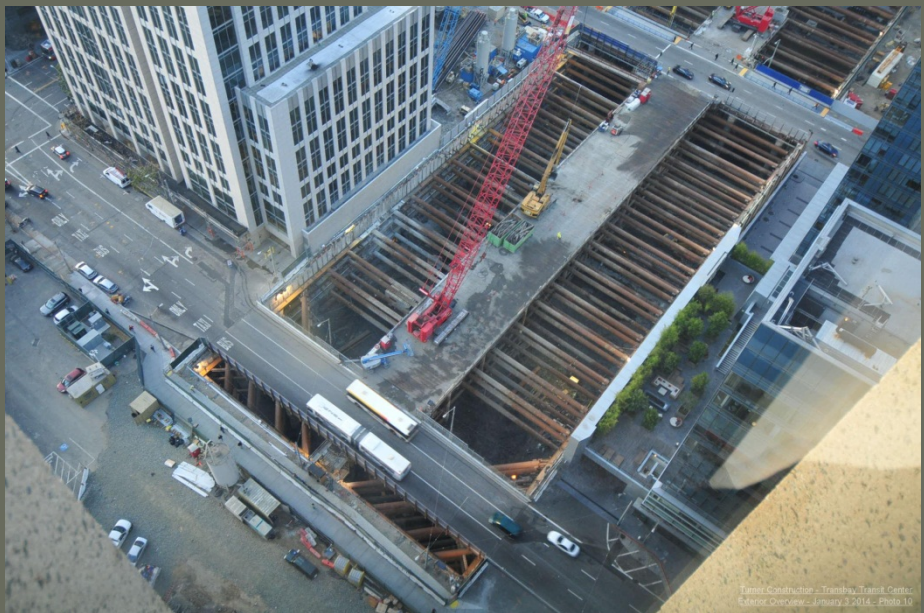
Transbay Transit Center

East Section Progress



Turner Construction Co. Transbay Transit Center
Edgar J. Overview, October 30, 2013 - Photo 19

November 2013



Edgar J. Overview, January 3, 2014 - Photo 19

January 2014



Transbay Transit Center

Excavation and Bracing – Zone 4





Transbay Transit Center

Activity at Adjacent Sites





Transbay Transit Center

Cast Node Fabrication as of December 17, 2013

Cast Nodes	Bradken Casting Totals	In-Process Pattern Completion	In-Process Casting Machining	Shipped to Skanska (6 Shipments)
Ground Level	35	9	8	0
Bus Deck Level	75	13	4	0
Roof Level	138	2	10	0
Light Columns	56	11	7	0
Total Cast Nodes	304	35	29	0



Cast Node Fabrication



Pattern
Development



Transbay Transit Center

Cast Node Fabrication



Nodes ready for machining





Transbay Transit Center

Cast Node Fabrication



Machining in progress



Utility Relocation - AWSS Installation Update

- AWSS work continues at night to accommodate bus traffic.
- Work continues on Mission Street from working west from Main to Beale Streets.





Questions?