



Construction Update

June 14, 2012

Transbay Transit Center

TJPA





Transbay Transit Center

Period Summary

- There was one recordable incident that occurred on May 18th, a worker suffered burns to his arm, no lost time.
- There was one significant near miss this period, an apprentice operator damaged the temporary power feeder, no injuries resulted from the incident.
- There have been over 296,000 craft hours completed to date, over 16,000 completed since the last update.
- Contractor has completed 92 buttress shafts through 6/8/12, a total of 16 this period. They have been able to maintain an average of over 3 shafts per week, completing 5 shafts one week.



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Period Summary

- The First Street traffic bridge was installed over the Memorial Day Weekend, the work was completed 15 hours ahead of schedule.
- Bids were received for the Geothermal and Grounding trade packages. The Below Grade Structure Package is now out for bid.
- Mass excavation continued in Zones 1 and 2 at levels A, B and C.
- The installation of the bracing continued in Zones 1 and 2 including the installation of the first full cross lot braces.
- Construction continued this period on RUP 4.2, the AWSS, on Howard Street at First Street.



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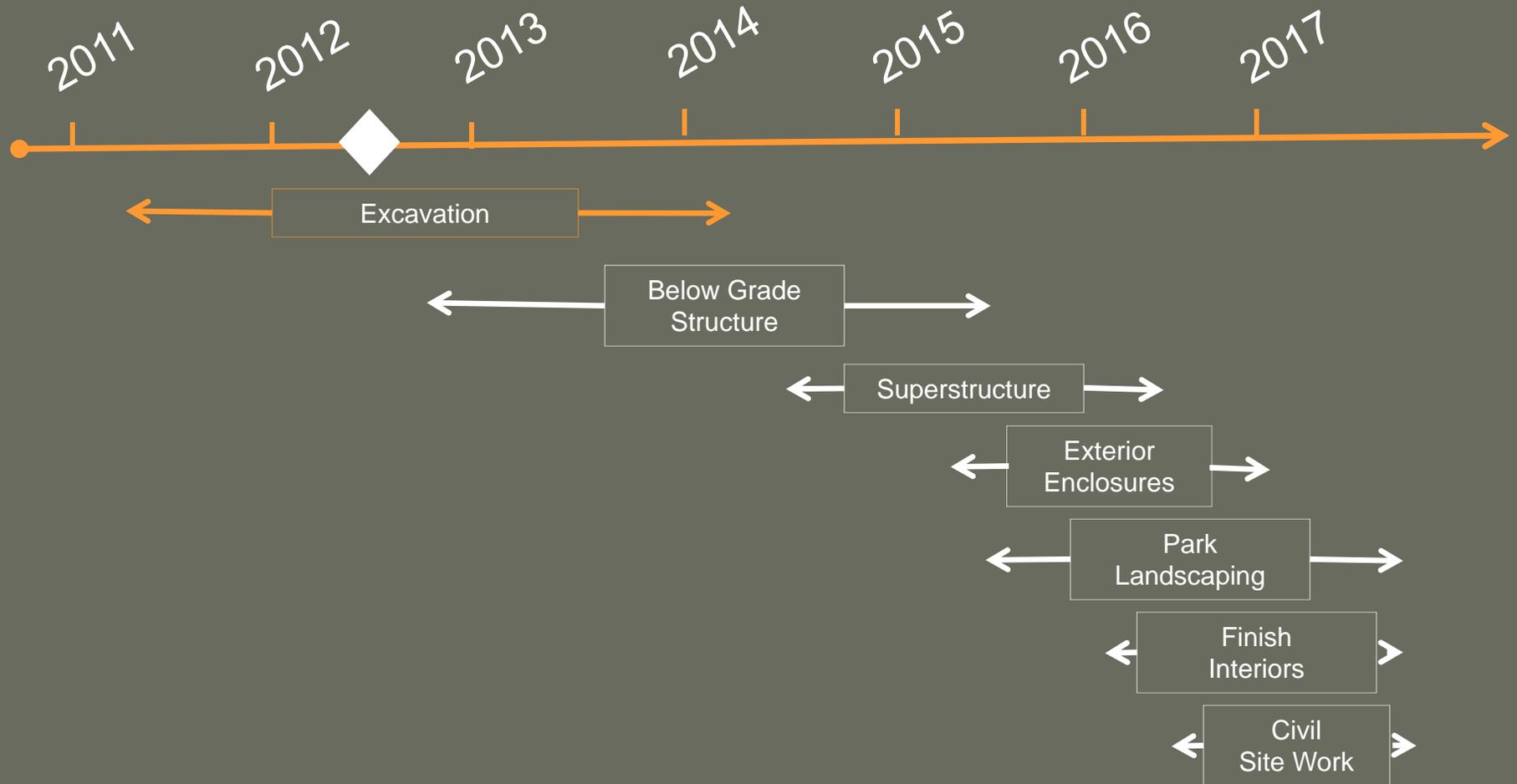
The Next 90 Days

- Award and begin submittals for the Geothermal and Grounding Trade Packages.
- Bid and award the Below Grade Structure Package.
- Continue Access Trestle Construction in Zones 1 and 2
- Continue excavation through Levels A, B and C in Zones 1 and 2.
- Install Access Trestle Support Piers in Zone 3
- Complete preparation for and install the Fremont Street Traffic Bridge (requires full street shutdown over Labor Day Weekend).
- Continue Buttress Shaft work in Zone 4, anticipate the completion of at least 30 more shafts.



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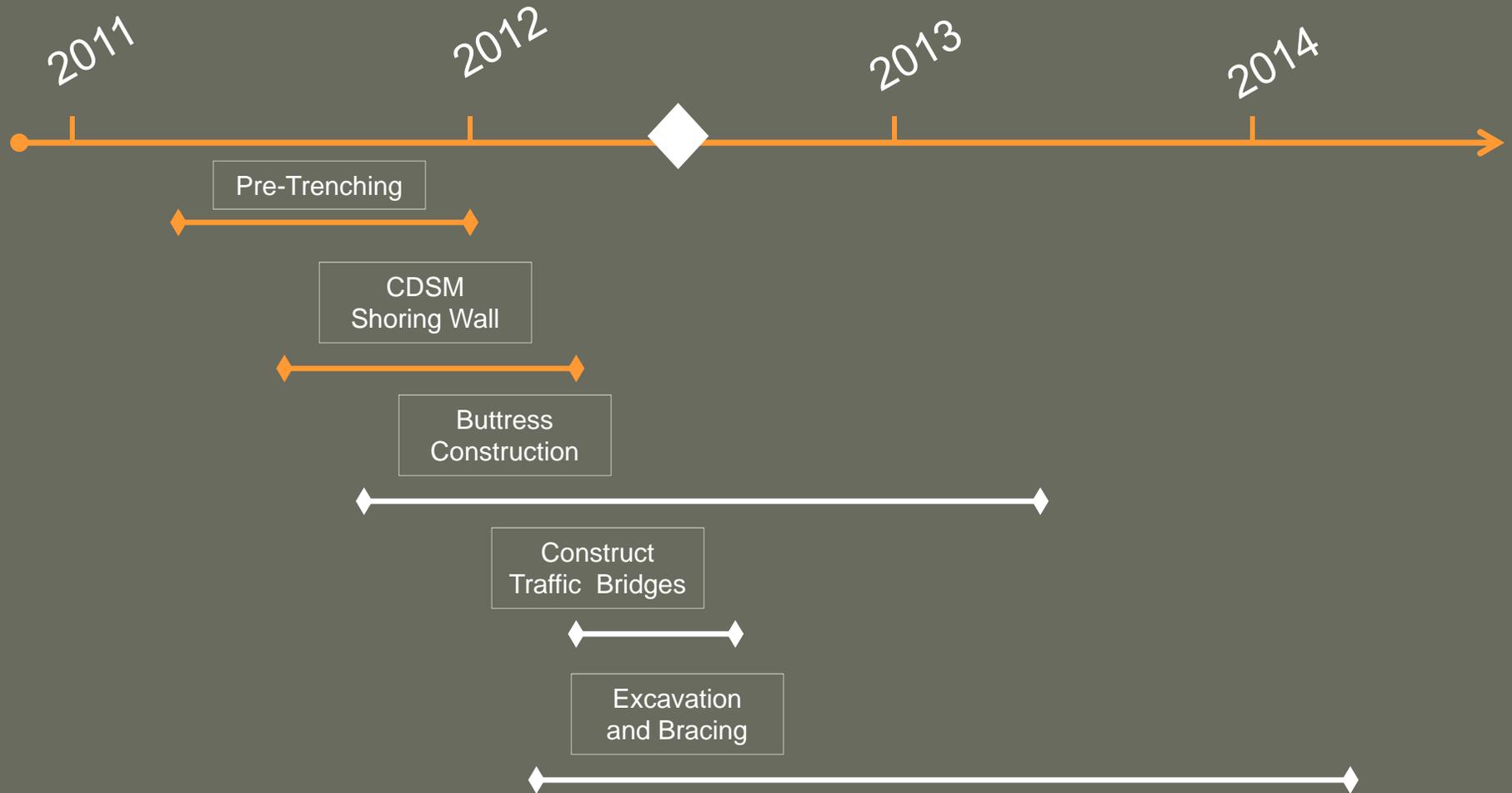
Construction Timeline Summary





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BSE Timeline Summary





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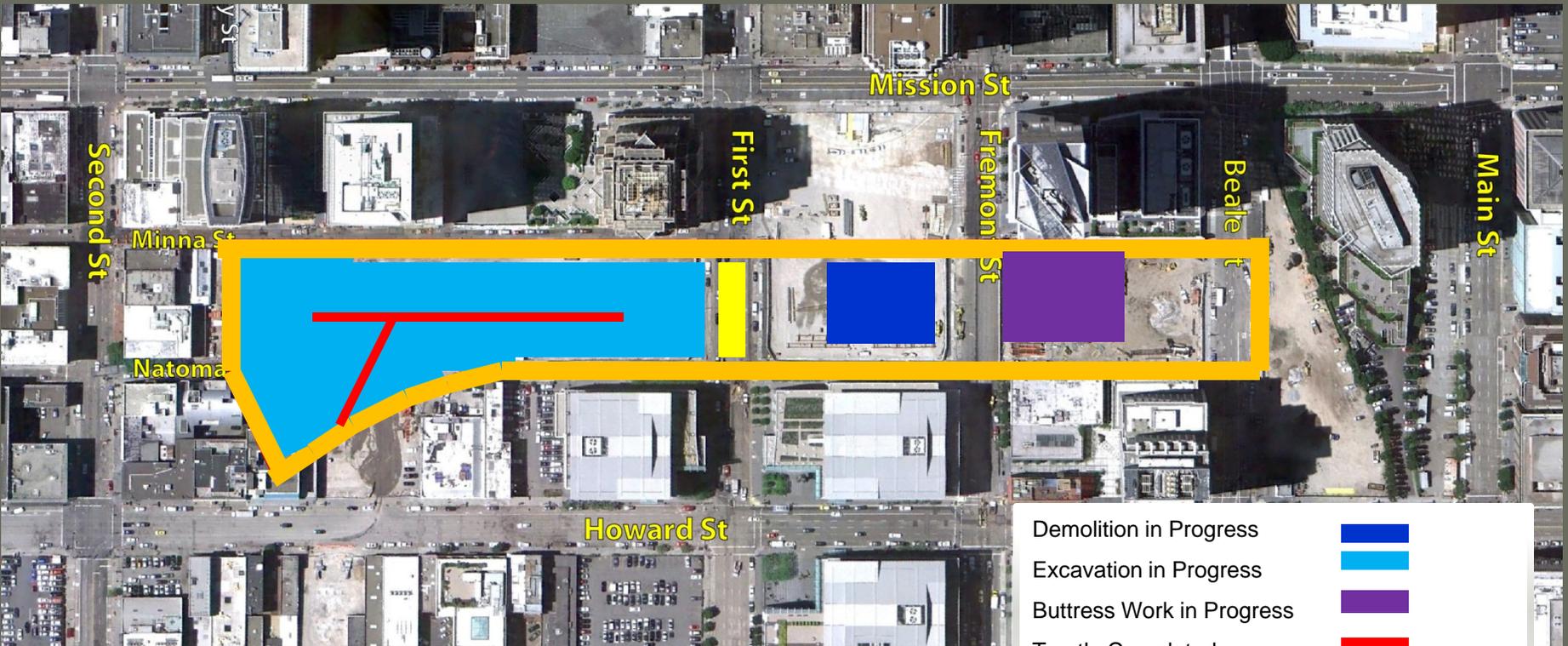
June 14, 2012 Site Status

2011

2012

2013

2014



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

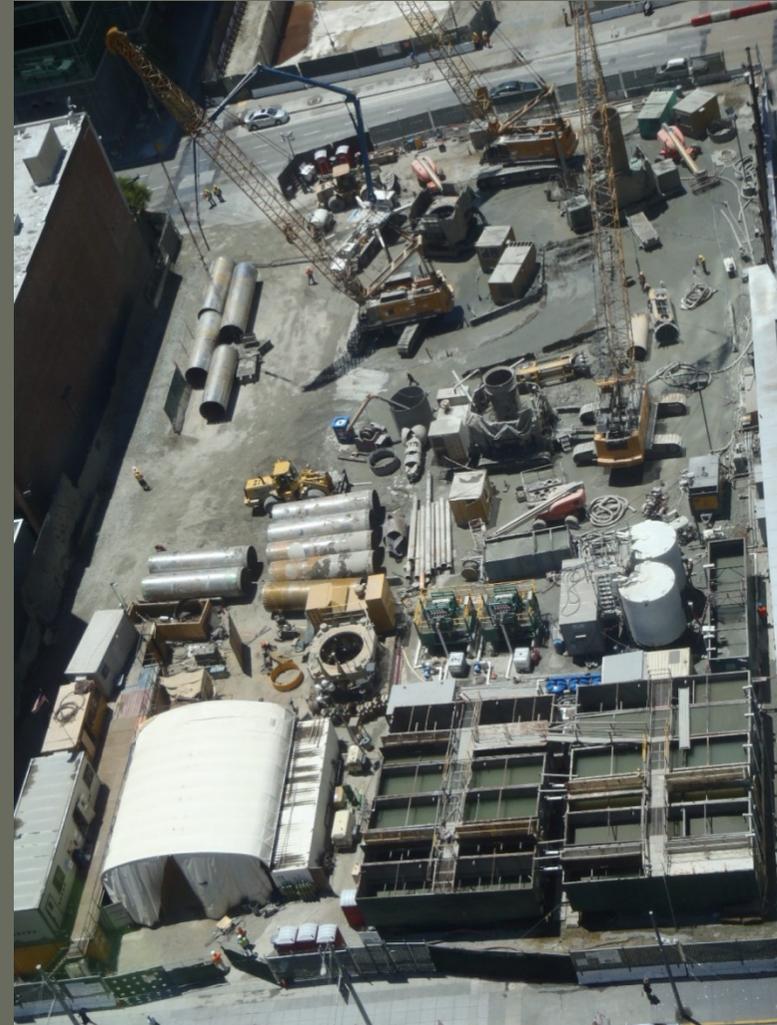


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East Section Progress (Zone 4)



End of April 2012

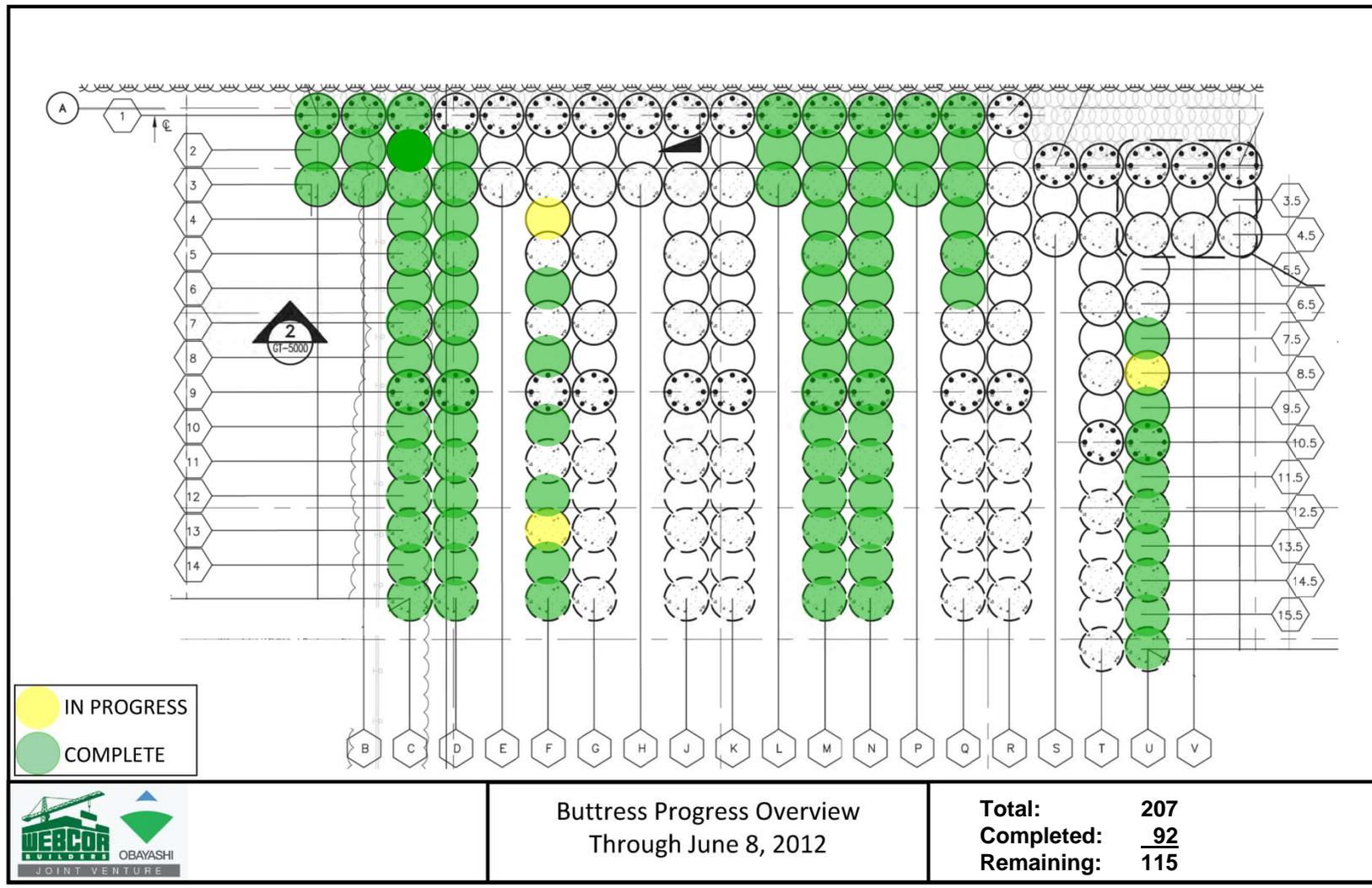


End of May 2012



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Buttress Progress





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Buttress Progress



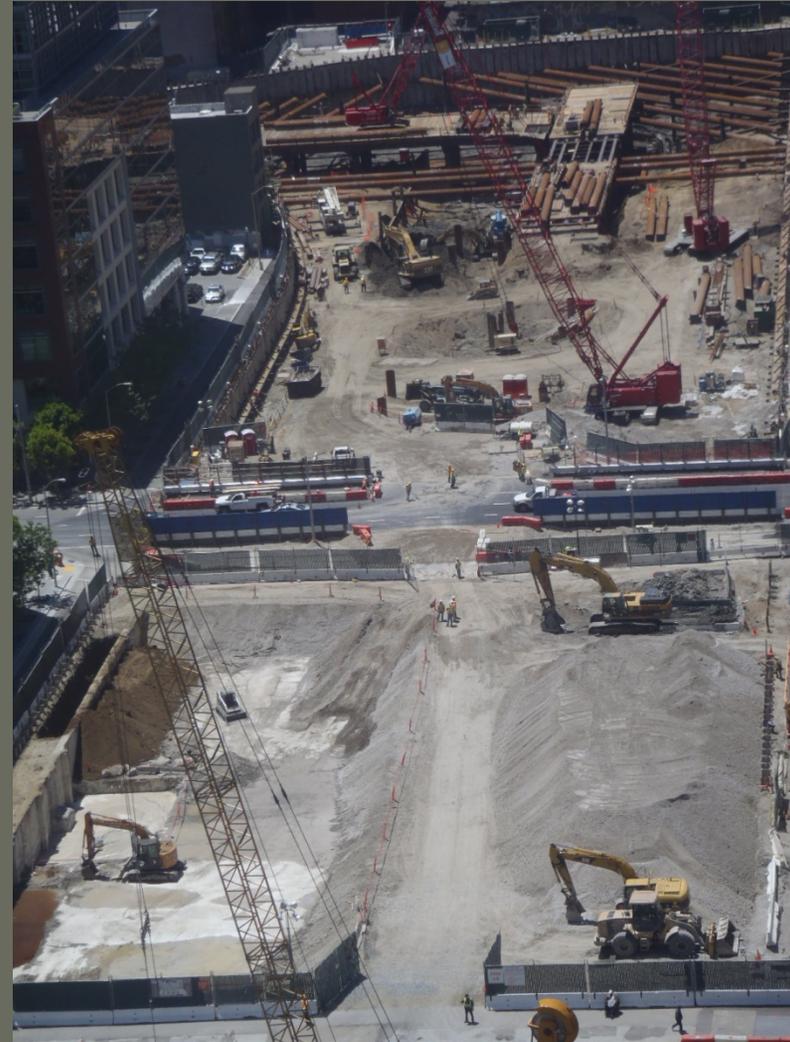


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Central and West Sections Progress



End of April 2012



End of May 2012



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Excavation – Zones 1 and 2





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Internal Bracing and Excavation – Zone 1



First full cross lot braces

Second level of bracing in the northwest corner





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First Street – Bridge Installation



First Street removed

Bridge section being set





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First Street – Bridge Installation





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First Street – Bridge Installation



Paving in progress on Sunday





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First Street – Bridge Installation Time Lapse Video



[Link for Time Lapse Video: http://www.youtube.com/watch?v=sFUsxqXHzkE](http://www.youtube.com/watch?v=sFUsxqXHzkE)



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Utility Relocation - AWSS Work Continues





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Transit Center and Bus Ramp Construction Budget Status

Trade Package ID And Description	Current Budget	Committed To Date	Actual This Month	Actual To Date
TBD Contracts To Be Awarded	\$ 656,682,255	\$ -	\$ -	\$ -
TG019.1 TG019.1- 301Mission Screen Wall (Transworld	\$ 749,732	\$ 749,733	\$ -	\$ 749,733
TG03 TG03: TCB - Buttress, Shoring and Excavation (Balfour	\$ 235,700,009	\$ 235,289,701	\$ 8,056,028	\$ 94,242,969
TG04.1 TG04.1:UR - Natoma/Fremont Water/Sewer (M Squared)	\$ 2,753,689	\$ 2,739,624	\$ -	\$ 2,534,472
TG04.2 TG04.2: UR - Mission St. AWSS	\$ 5,810,340	\$ 5,810,340	\$ 275,486	\$ 2,037,052
TG04.3 TG04.3: UR - Howard/First/Beale Water (M Squared)	\$ 1,799,971	\$ 1,776,166	\$ -	\$ 1,776,166
TG04.4 TG04.4: UR - Natoma/First Sts Water & Sewer (M	\$ 2,520,210	\$ 2,479,566	\$ -	\$ 2,411,905
TG04.5.1 TG04.5.1: UR & Joint Trench - Minna St (Trinet	\$ 5,187,818	\$ 5,092,848	\$ -	\$ 4,981,689
TG04.6 TG04.6: UR - Beale St. Sewer (M Squared)	\$ 2,164,704	\$ 2,164,703	\$ -	\$ 1,236,538
TG05.1 TG05.1- Survey & Control (Chaudhary)	\$ 2,705,000	\$ 1,352,500	\$ 19,115	\$ 140,936
TG05.2 TG05.2 - Temporary Power (Bass Electric)	\$ 703,300	\$ 703,300	\$ -	\$ 632,970
TG05.4 TG05.4 Traffic Control Services (Sandis)	\$ 2,164,000	\$ 2,164,000	\$ 13,304	\$ 175,065
TG05.7 TG05.7 - Site Maintenance Services (Clipper)	\$ 5,951,000	\$ 5,951,000	\$ 29,511	\$ 184,062
Report Totals	\$ 924,892,028	\$ 266,273,482	\$ 8,393,444	\$ 111,103,558



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Bay Area Labor – Trade Packages

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

296,638 Craft Hours

- To date, Bay Area Labor has contributed 189,657 hours, or 64% of the total Craft Hours.



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Bay Area Regional Labor Breakdown

Labor by Area	Through May 2012	
Location	Total Hours Completed	Hours Percent
East Bay (Alameda, Contra Costa, Solano)	83,515	28%
North Bay (Marin, Napa, Sonoma)	8,724	3%
South Bay (San Mateo, Santa Clara)	29,051	10%
San Francisco	68,367	23%
Other*	106,981	36%
Totals	296,638	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.



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Labor Breakdown by Trade through May 2012

Classification	TTC Building and RUP's*
Inspectors – Soils / Material Test	33
Carpenters and Related Trades	15
Cement Mason	12
Electrical – Utility Lineman	13
Electrician	12
Field Surveyor	12
Iron Worker	18
Laborer and Related Trades	290
Operating Engineer	191
Pile Drivers	54
Roofer	2
Sheet Metal	5
Teamsters	86
Tile Setters / Finishers	7
Totals	750

* Relocation of Utilities Project



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Apprentice Reporting – Background and Action

- Background
 - Compliance is based on the number of workers onsite on a given day not the total number reported for a time period.
 - Compliance is based on an interval not a specific ratio or percentage.
- Action
 - Current Trade Contractors
 - Have been put on notice and asked to verify compliance and provide backup documentation. If subcontractors are not compliant they must submit a plan to show how they will achieve compliance by the end of their subcontract.
 - Webcor/Obayashi has coordinated with Elations to create a custom report that will help the subcontractors determine compliance.
 - Webcor/Obayashi will also provide a technical workshop for current subcontractors to better understand the apprenticeship requirements and how to work with the elations report.
 - Future Trade Contractors
 - Webcor/Obayashi has updated the bidding manual and contract documents to include stronger monitoring and enforcement requirements for future subcontractors.



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Key Trade Contractor * Apprentice Totals To Date

Key Trade Contractor	Craft	%	Comment
Anderson Drilling	Laborer	n/a	Daily Manpower below apprentice threshold
	Operating Engineer	0%	Out of Compliance
Balfour Beatty	Carpenter	n/a	Daily Manpower below apprentice threshold
	Surveyor	n/a	Daily Manpower below apprentice threshold
	Laborer	10%	Out of Compliance
	Operating Engineer	30%	
Becho	Pile Driver	28%	
	Operating Engineer	17%	
Clear Creek	Laborer	0%	Out of Compliance
Clipper International	Carpenter	n/a	Daily Manpower below apprentice threshold
	Laborer	n/a	Daily Manpower below apprentice threshold
	Operating Engineer	n/a	Daily Manpower below apprentice threshold
Construction Testing Services	Inspectors	25%	
DND	Laborer	0%	Out of Compliance
	Operating Engineer	0%	Out of Compliance
North Coast Steel	Iron Worker	30%	
M Squared Construction	Laborer	18%	
	Operating Engineer	50%	

* Trade Contractors with greater than 500 total hours of certified payroll submitted in last three months



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Questions?