



# Construction Update

May 10, 2012

## Transbay Transit Center

**TJPA**





Transbay Transit Center

## Period Summary

- There was one recordable incident that occurred on April 21<sup>st</sup>, stitches, no lost time.
- There have been over 280,000 craft hours completed to date, over 20,000 completed since last report.
- CDSM Wall has been completed around the entire project site.
- Contractor has completed 76 buttress shafts, a total of 12 this period. This represents a significant increase in production, an average of 3 shafts per week.



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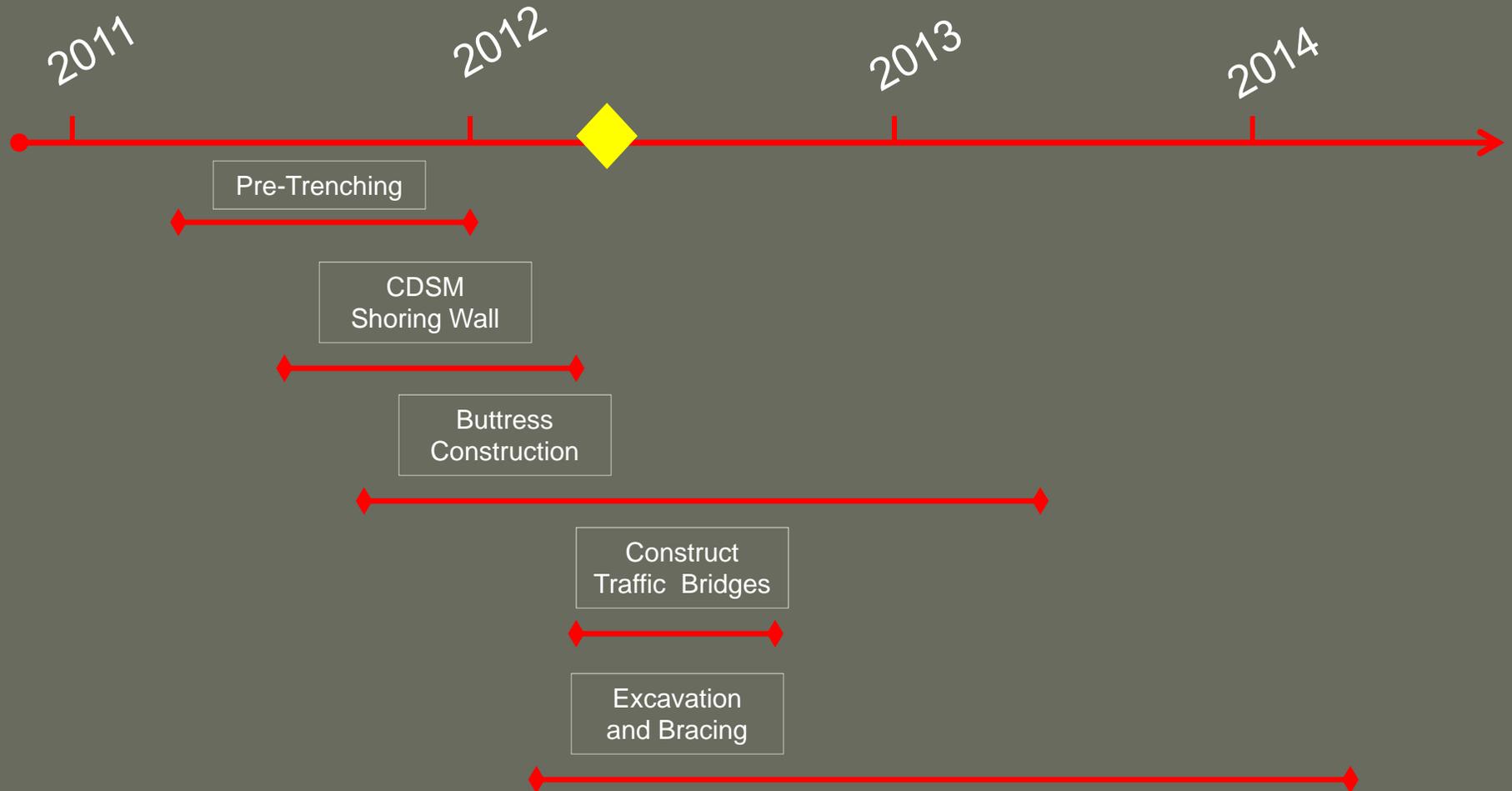
## Period Summary

- Continued installation in Zone 1 of the pre-loaded cross lot struts used for shoring during excavation.
- The dewatering system in Zones 1 and 2 has been fully activated.
- Began Second Level Down of Excavation in Zone 1.
- Construction continued this period on the AWSS (RUP 4.2) work at the intersection of First and Howard Streets.



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# BSE Timeline Summary





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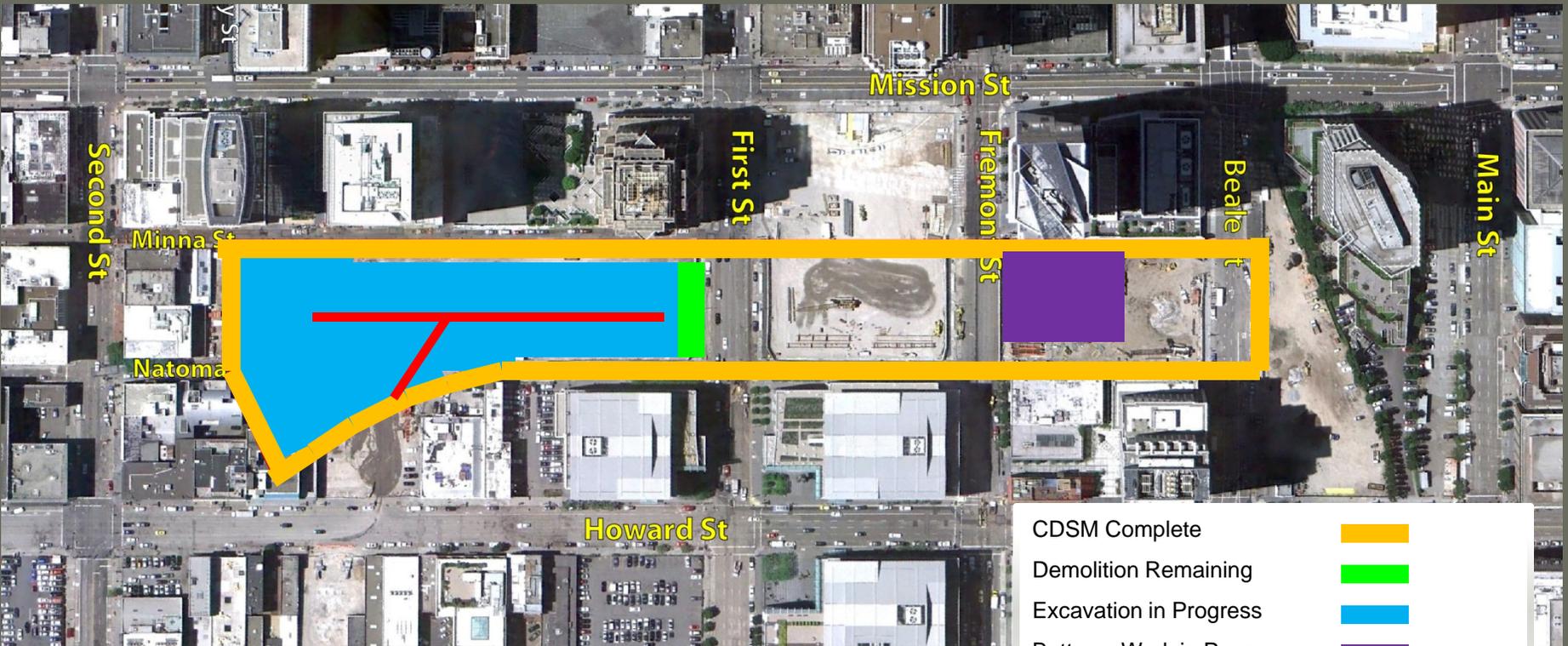
# May 10, 2012 Site Status

2011

2012

2013

2014



- CDSM Complete 
- Demolition Remaining 
- Excavation in Progress 
- Buttress Work in Progress 
- Trestle Piles Completed 



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# East Section Progress (Zone 4)



End of March 2012

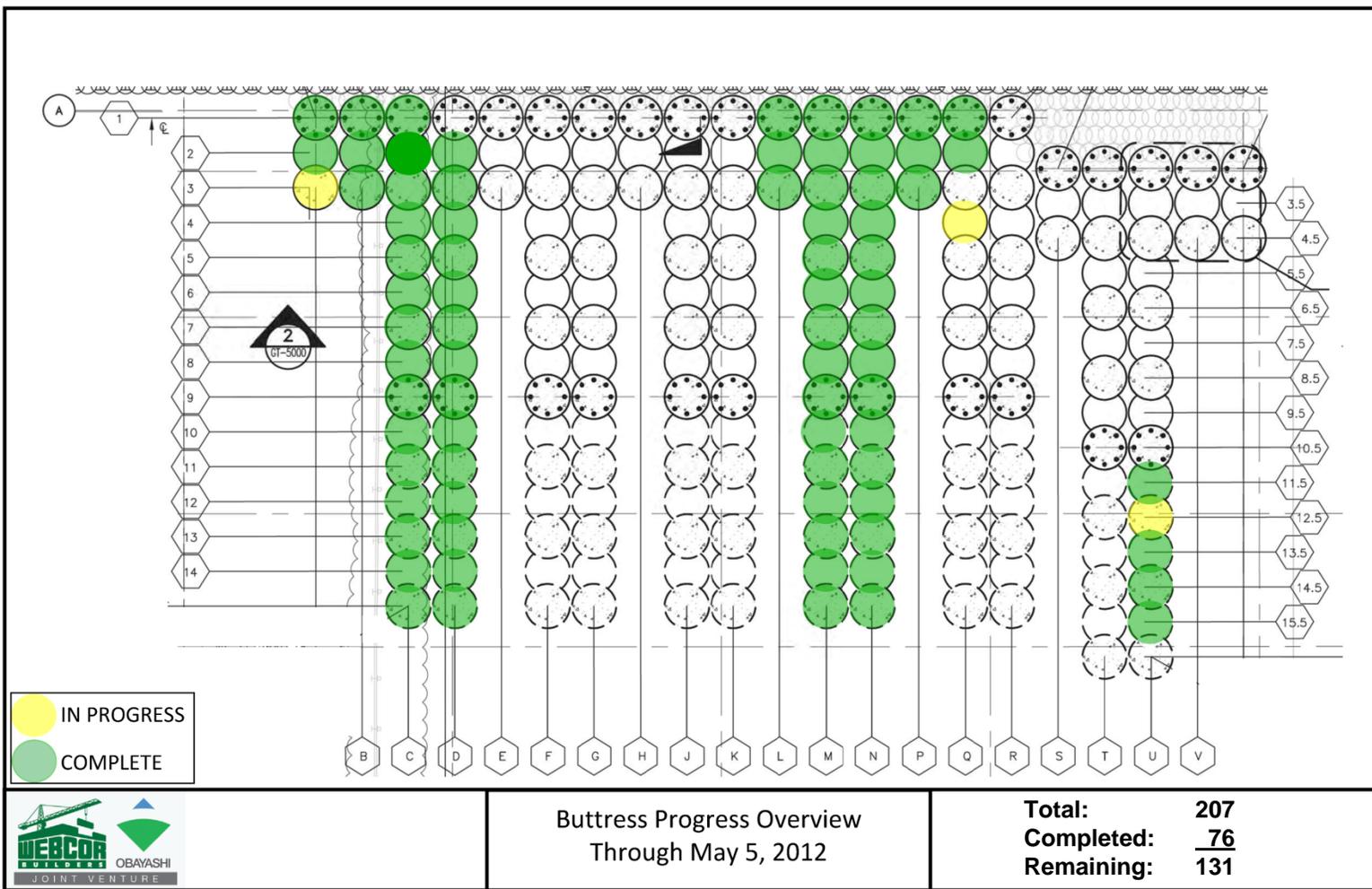


End of April 2012



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# Buttress Progress





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# Buttress Progress





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# Central and West Sections Progress



End of March 2012

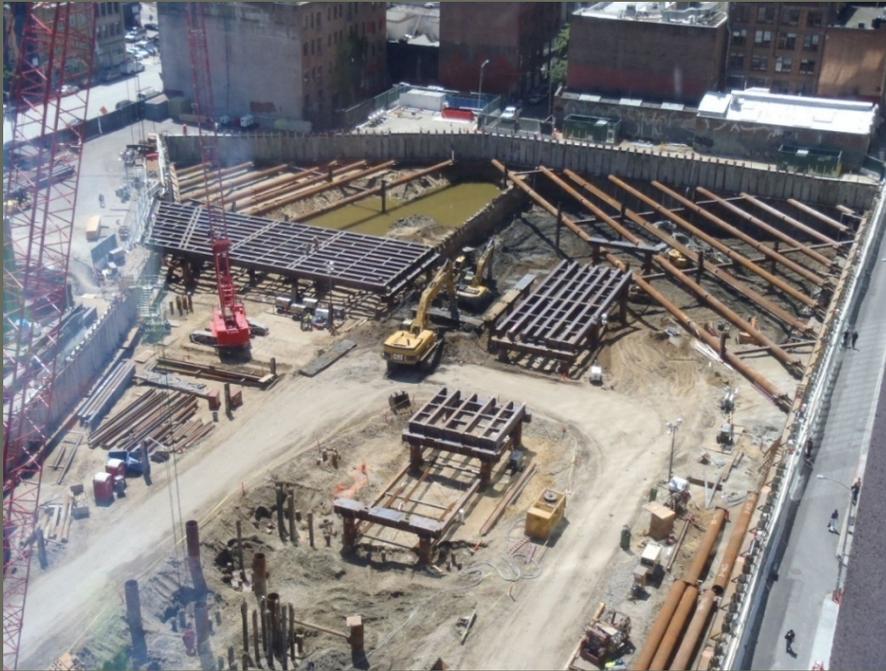


End of April 2012



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# Excavation – Zones 1 and 2





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# Internal Bracing and Excavation – Zone 1





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# First Street – Bridge Piles





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# CDSM 100% Complete





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## Utility Relocation - AWSS Work Continues





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# Phase 1 Budget Status

Phase 1 Budget Item	Baseline Budget	Current Budget	Commitments	Incurred to Date
Transit Center Construction	\$909,661,142	\$907,741,581	\$249,341,117	\$85,460,143



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# Phase 1 Program Schedule Status

TRANSBAY TRANSIT CENTER PROGRAM SCHEDULE - March 2012		Transbay Transit Center - Program Summary Schedule				Data Date: 03/31/12																			
Activity ID	Activity Name	Duration	Start	Finish	2012			2013			2014			2015			2016			2017			2018		
					Q	Q2	Q3	Q	Q2	Q4															
<b>TRANSBAY TRANSIT CENTER PROGRAM SCI</b>					1885	11/08/10 A	04/23/18																		
<b>BUS STORAGE</b>					897	03/30/11 A	10/13/14																		
	BUS STORAGE DESIGN	501	03/30/11 A	03/21/13																					
	BUS STORAGE PRECONSTRUCTION	101	03/22/13	08/13/13																					
	BUS STORAGE CONSTRUCTION	295	08/14/13	10/13/14																					
<b>UTILITY RELOCATIONS</b>					489	11/08/10 A	10/12/12																		
	UTILITY RELOCATIONS PRECONSTRUCTION	151	06/15/11 A	01/20/12 A																					
	FRANCHISE UTILITY RELOCATIONS	477	11/24/10 A	10/12/12																					
	NON-FRANCHISE UTILITY RELOCATIONS	456	11/08/10 A	08/27/12																					
<b>DEMOLITION OF EXISTING STRUCTURES</b>					84	06/06/11 A	10/04/11 A																		
<b>TRANSIT CENTER BUILDING</b>					1796	12/21/10 A	01/26/18																		
	TRANSIT CENTER DESIGN	915	12/21/10 A	08/01/14																					
	TRANSIT CENTER PRECONSTRUCTION	1375	01/20/11 A	06/24/16																					
	TRANSIT CENTER CONSTRUCTION	1692	05/19/11 A	01/26/18																					
<b>TG03 Buttress/Shoring/Excavation</b>					697	05/19/11 A	02/20/14																		
	Zone 1	384	06/01/11 A	12/05/12																					
	Zone 2	407	06/30/11 A	02/07/13																					
	First Street	172	09/22/11 A	05/28/12																					
	Zone 3	480	05/19/11 A	04/11/13																					
	Fremont Street	266	08/16/11 A	09/03/12																					
	Zone 4	663	07/08/11 A	02/20/14																					
	Beale Street	329	07/28/11 A	11/12/12																					
<b>TG05.2 Install Temporary Power</b>					150	07/11/11 A	02/11/12 A																		
<b>TG06 Below Grade Structure</b>					621	12/18/12	06/02/15																		
<b>TG07 Superstructure Construction</b>					486	06/20/14	05/20/16																		
<b>TG08 Exterior Enclosures</b>					450	05/20/15	03/01/17																		
<b>TG12 Site Civil Work at Grade</b>					275	07/20/16	08/18/17																		
<b>TG13 Waterproofing &amp; Rooftop Park</b>					559	06/25/15	09/08/17																		
<b>TG14 Vertical Transportation</b>					877	02/28/14	08/11/17																		
<b>TG16 Rough Interiors</b>					344	05/06/15	09/13/16																		
<b>TG15/TG16/TG17 Finish Interiors</b>					390	02/05/16	08/18/17																		
<b>Building Systems and Commissioning</b>					989	03/03/14	01/26/18																		
<b>BUS RAMPS</b>					1458	12/28/10 A	09/29/16																		
	BUS RAMPS DESIGN	530	12/28/10 A	01/30/13																					
	BUS RAMPS PRECONSTRUCTION	128	01/31/13	08/01/13																					
	BUS RAMPS CONSTRUCTION	800	08/02/13	09/29/16																					
<b>TURNOVER AND PROJECT CLOSEOUT</b>					170	08/21/17	04/23/18																		

Remaining Level of Effort Actual Level ...



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## Bay Area Labor – Trade Packages

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

282,563 Craft Hours

- To date, Bay Area Labor has contributed 180,951 hours, or 64% of the total Craft Hours.



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# Bay Area Regional Labor Breakdown

Labor by Area	Through April 2012	
Location	Total Hours Completed	Hours Percent
East Bay (Alameda, Contra Costa, Solano)	79,425	28%
North Bay (Marin, Napa, Sonoma)	5,375	3%
South Bay (San Mateo, Santa Clara)	27,681	10%
San Francisco	65,934	23%
Other	101,613	36%
<b>Totals</b>	<b>282,563</b>	<b>100%</b>



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# Labor Breakdown by Trade through April 2012

Classification	TTC Program		Total
	TTC Building	TTC RUP*	
Inspectors – Soils / Material Test	33	0	33
Carpenters and Related Trades	5	7	12
Cement Mason	11	1	12
Electrical – Utility Lineman	9	4	13
Electrician	10	2	12
Field Surveyor	12	0	12
Iron Worker	11	5	16
Laborer and Related Trades	252	59	311
Operating Engineer	172	13	185
Pile Drivers	56	0	56
Roofer	0	2	2
Sheet Metal	0	5	5
Teamsters	69	10	79
Tile Setters / Finishers	0	7	7
<b>Totals</b>	<b>640</b>	<b>115</b>	<b>755</b>

\* Relocation of Utilities Project



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# Key Trade Contractor Apprentice Totals To Date

Key Trade Contractor	Craft	Total Bodies		Percentage
		Journeyman	Apprentices	
<b>Balfour Beatty</b>	Laborer	74	10	14%
	Operating Engineer	24	8	33%
	Pile Driver	42	11	26%
<b>Becho</b>	Operating Engineers	37	6	16%
<b>DND</b>	Laborer	22	1	5%
	Operating Engineer	45	4	9%
<b>Phoenix Electric</b>	Electrician	5	1	20%
	Laborer	16	2	13%
<b>M Squared Construction</b>	Laborer	18	4	22%
	Operating Engineer	4	1	25%
<b>Transworld</b>	Carpenter	5	1	20%
<b>Trinet</b>	Laborer	19	4	21%
	Operating Engineer	8	0	0%



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Questions?