



# Construction Update

March 10, 2011

## Transbay Transit Center

**TJPA**





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# Demolition Update

- Demolition Work continued this month at the existing Terminal and the Bus Ramps from Natoma Street to Tehama Street. Highlights include:
  - Over 30,000 craft hours completed without accident or incident.
  - Big Red Manitowoc Wrecking Ball Crane work was completed at west terminal building.
  - Completed demolition of bus ramps from the west terminal building across Natoma, Howard and Tehama Streets.
  - Completed shoring wall installation along Fremont Street.
  - Completed recycled concrete / crushing operation at east and center terminal building, crusher is now in operation at the west end of the existing terminal for material recycling.
  - Completed hazmat abatement of buildings from 77 to 83 Natoma Street.



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# Construction Update

- Utility Relocation Packages
  - TG04.1 – Natoma Street sewer and water in progress.
  - TG04.3 – Beale Street and Howard Street water work nearing completion.
  - TG04.4 – Water and Sewer work on Natoma Street and First Street has begun.
  - TG04.5.1 – Continued water piping, sewer and joint trench at Minna Street. First Street sewer in progress. Water line on Fremont Street completed and chlorinated.
  - TG04.6 – Bids opened on January 14, total of four bids received, low bid approximately 15% below Engineer's Estimate.
- 301 Mission Street Temporary Wall
  - Installation of the temporary construction wall.
  - Existing screen wall demolished and removed.
  - Started work on new screen wall foundation.



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# Construction Update

- Transit Center
  - Buttress, Shoring and Excavation (BSE)
    - BSE Permit Status
      - SSRC issued its permit recommendation and design conformance letter to DBI on January 18.
      - DBI issued its permit recommendation to the TJPA on January 28.
      - TJPA issued the BSE Construction Permit to Webcor / Obayashi on March 1.
    - BSE Preconstruction
      - Initial preconstruction meeting held on January 20.
      - Weekly submittal coordination meetings are underway with W/O, BBII, PMPC, Turner and Designers.
      - Submittals in progress.
    - BSE Construction
      - East end (Lot D) was turned over to Arup for installation of monitoring instruments on March 7.
      - W/O (BBII) mobilization anticipated on March 14.



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# Demolition Schedule

Eastern Ramps:

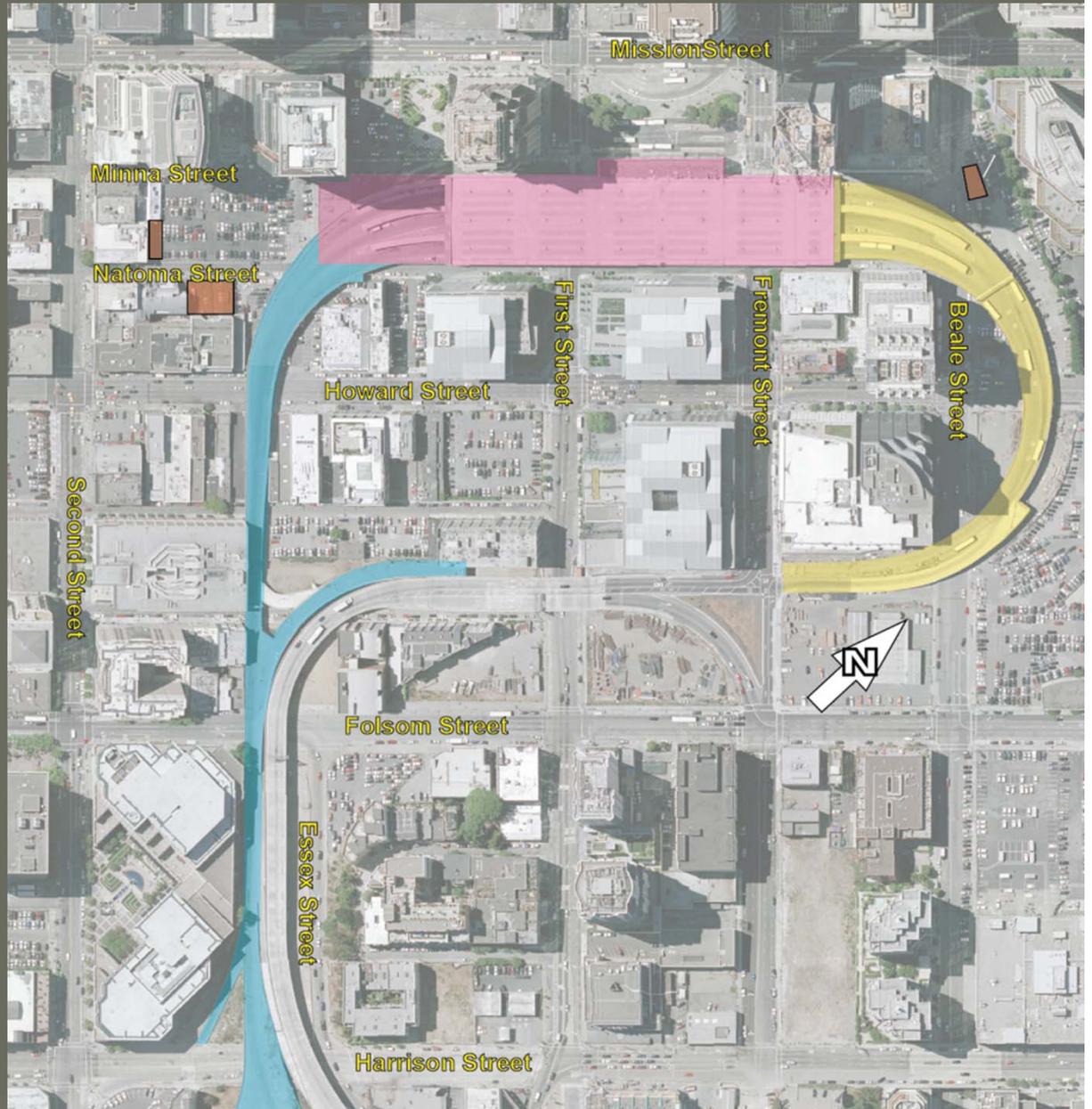
COMPLETE

Terminal Building:

Sept 20, 2010 – April 7, 2011

Western Ramps:

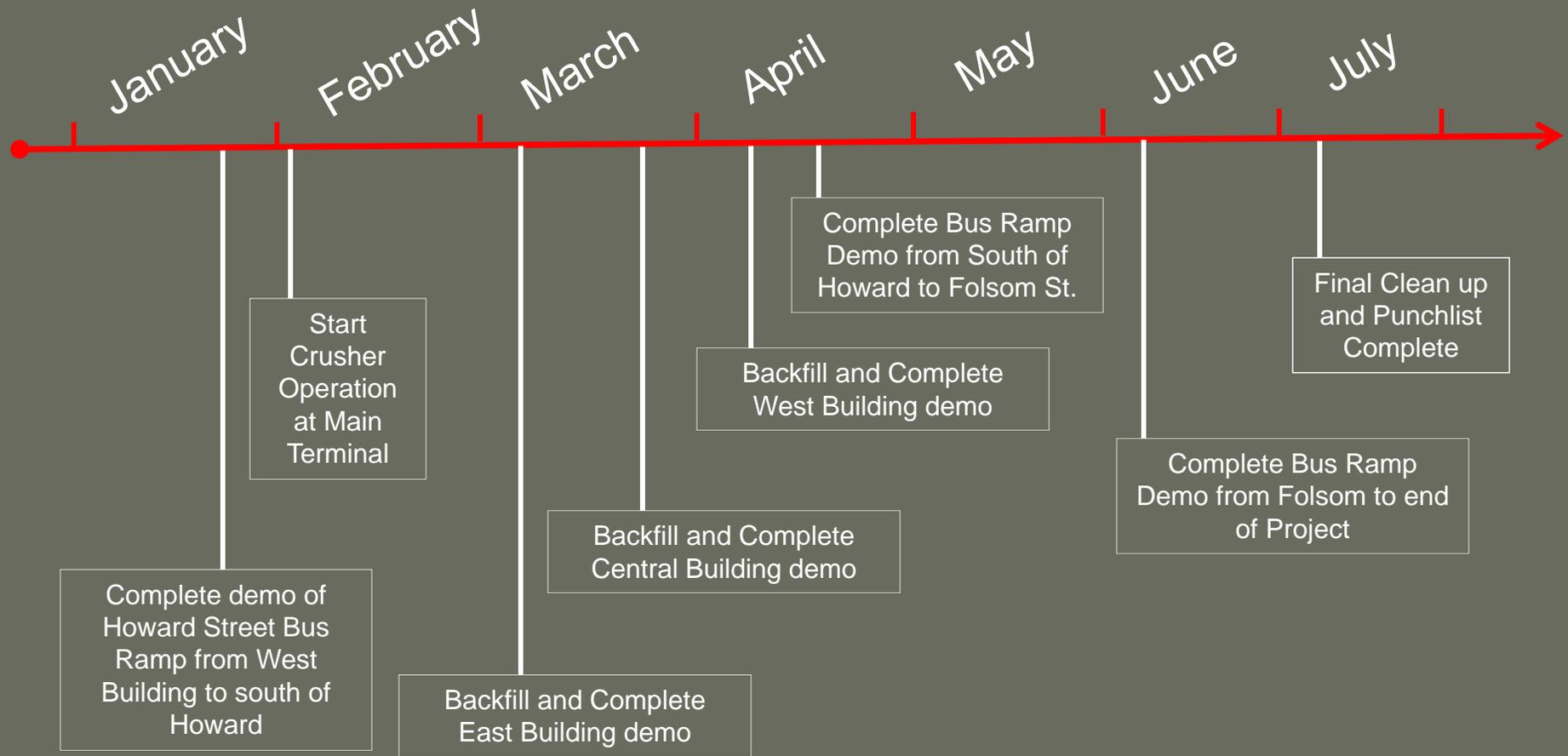
Jan 10, 2011 – June 6, 2011





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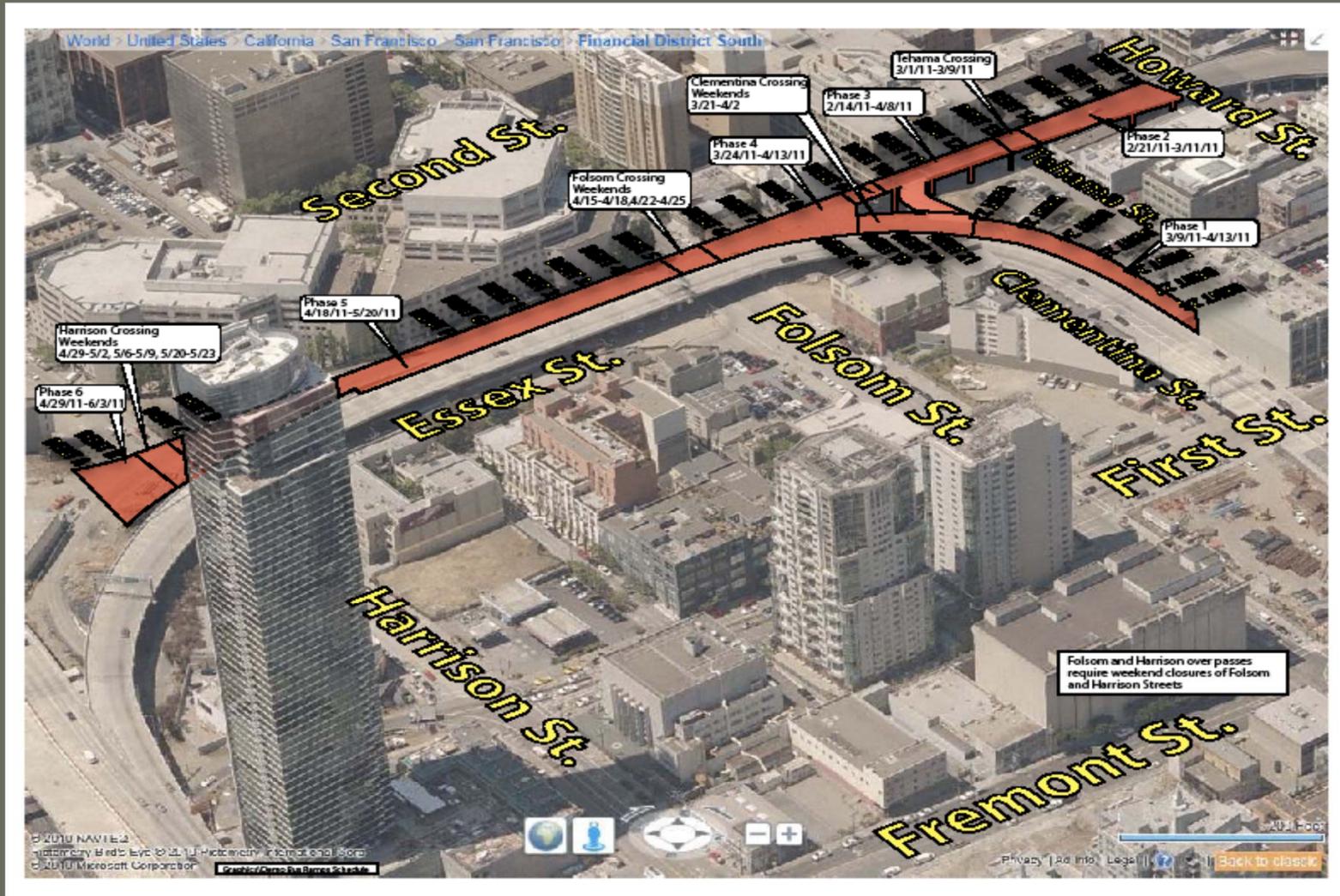
# Demolition Timeline Summary





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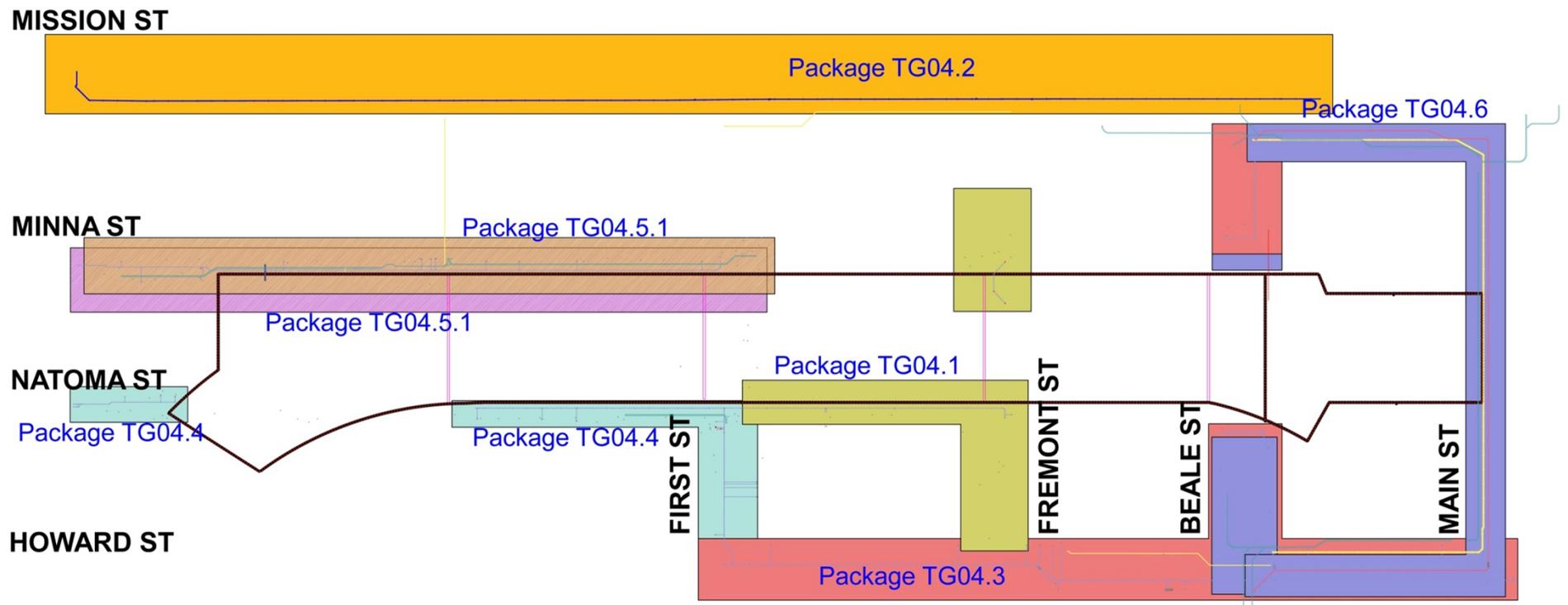
# Ramp Demolition Howard to Harrison Street





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# Utility Relocation Trade Package Map





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# Utility Relocation Summary

ID	Task Name	Duration	Start	Finish	Q1		Q2			Q3		
					Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
1	<b>Franchise Utilities</b>	<b>57 days</b>	<b>2/7/11</b>	<b>6/21/11</b>								
2	PG&E Completion of Substructures - First Street	15 days	2/7/11	2/25/11								
3	PG&E Completion of Clearances - First Street	65 days	2/28/11	5/27/11								
4	AT&T and Telecom Cutover into Joint Trench - Minna Street	32 days	5/9/11	6/21/11								
5	<b>TG04.1 Water/Sewer at Fremont St and Natoma St</b>	<b>41 days</b>	<b>2/15/11</b>	<b>4/12/11</b>								
6	Water and Sewer - Fremont & Natoma (4.1)	41 days	2/15/11	4/12/11								
7	<b>TG04.2 AWSS at Mission Street</b>	<b>53 days</b>	<b>5/13/11</b>	<b>7/26/11</b>								
8	Install and Demo AWSS at Mission, Market, & Howard (4.2)	53 days	5/13/11	7/26/11								
9	<b>TG04.3 Water on Howard, First St to Main St</b>	<b>62 days</b>	<b>1/10/11</b>	<b>4/5/11</b>								
10	Water - Howard St, First to Main (4.3)	57 days	1/10/11	3/29/11								
11	Water - Beale St (4.3)	62 days	1/10/11	4/5/11								
12	<b>TG04.4 Water/Sewer on Natoma Street</b>	<b>70 days</b>	<b>1/24/11</b>	<b>4/29/11</b>								
13	Sewer - Natoma St (4.4)	70 days	1/24/11	4/29/11								
14	Water - First St (4.4)	29 days	3/1/11	4/8/11								
15	Water - Natoma St (4.4)	30 days	3/10/11	4/20/11								
16	<b>TG04.5.1 Utility Relocation &amp; Joint Trench</b>	<b>182 days</b>	<b>11/8/10</b>	<b>7/19/11</b>								
17	<b>Minna Street</b>	<b>130 days</b>	<b>11/8/10</b>	<b>5/6/11</b>								
18	Street Lighting and Relocation - Minna St (4.5.1)	83 days	11/8/10	3/2/11								
19	Water Main Relocation - Minna St (4.5.1)	62 days	11/15/10	2/8/11								
20	Sewer Work - Minna St (4.5.1)	57 days	1/13/11	4/1/11								
21	Joint Trench Construction - Minna St (4.5.1)	53 days	2/23/11	5/6/11								
22	<b>First Street</b>	<b>170 days</b>	<b>11/11/10</b>	<b>7/6/11</b>								
23	Sewer Work - First Street (4.5.1)	88 days	11/11/10	3/14/11								
24	AWSS - First Street (4.5.1)	15 days	3/15/11	4/4/11								
25	Electrical - First Street (4.5.1)	11 days	6/22/11	7/6/11								
26	<b>Fremont Street</b>	<b>166 days</b>	<b>11/30/10</b>	<b>7/19/11</b>								
27	Water Work - Fremont St (4.5.1)	33 days	11/30/10	1/13/11								
28	Sewer Work & Subsurface Investigation - Fremont St (4.5.1)	37 days	12/2/10	1/21/11								
29	Demo Electrical - Fremont St (4.5.1)	12 days	1/24/11	7/19/11								
30	<b>TG04.6 Sewer at Beale St/Sludge Line at Main St</b>	<b>52 days</b>	<b>4/4/11</b>	<b>6/14/11</b>								
31	Sewer and Sludge Line (4.6)	52 days	4/4/11	6/14/11								



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# East Section end of January and end of February



January 2011



February 2011

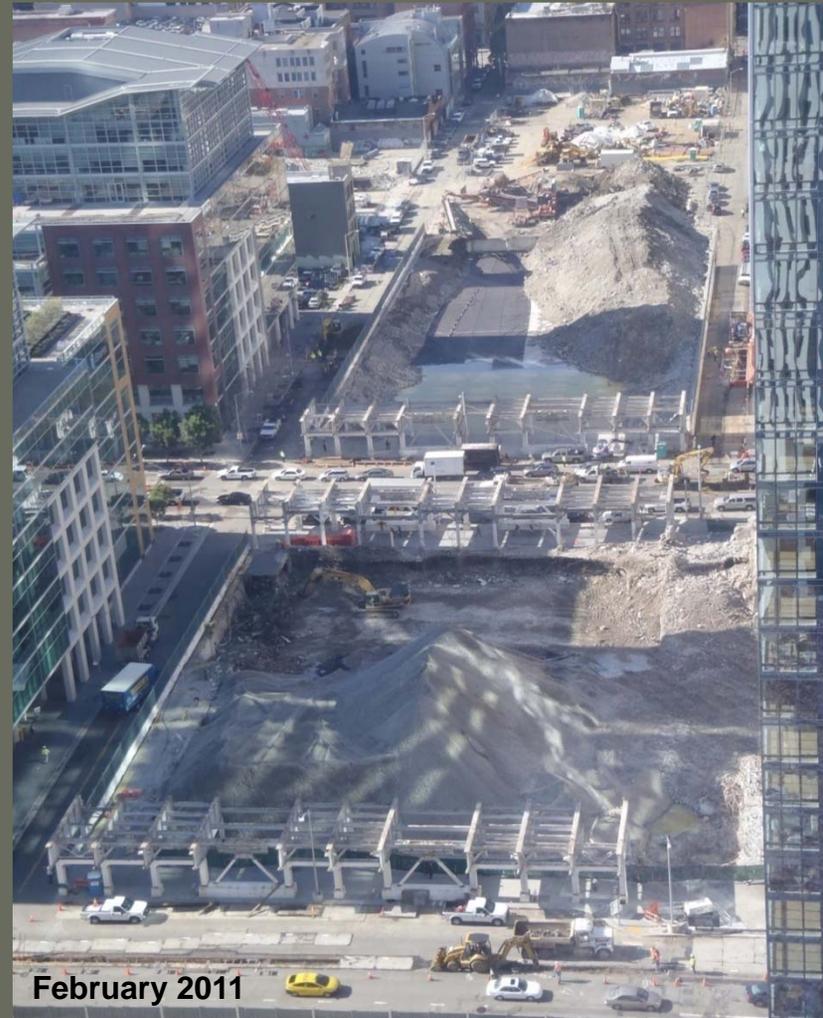


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# Central and West Sections at End of January and February



January 2011



February 2011



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# Removal of Howard Street Overpass Complete





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# Parcel F and Parcel G Bus Ramp Demolition progress



Howard Street

Parcel F

Natoma Street



Parcel G

Howard Street



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# Temporary Shoring Wall along Fremont





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# Abatement of Natoma Street Buildings Complete





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# Backfill Preparations underway at Central Section





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# Preparation for Install of Foundation for New 301 Mission Screen Wall





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# Water and Sewer work continues on Minna Street





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# Water on Beale Street





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# Water on Howard between Beale and Fremont Streets





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# Exploratory work on Howard





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## Bay Area Labor - Demolition

- To date, Evans Brothers, Inc. and their subcontractors have worked a total of:  
  
30,092 Craft Hours
- To date, Bay Area Labor has contributed 28,090 hours, or 93.4% of the total Craft Hours completed on all Phases of the demolition.



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## Bay Area Labor – Trade Packages

- To date, Webcor / Obayashi's Trade Subcontractors have worked a total of:  
  
6,450 Craft Hours
- To date, Bay Area Labor has contributed 6,363 hours, or 98.7% of the total Craft Hours on the Utility Relocation work.