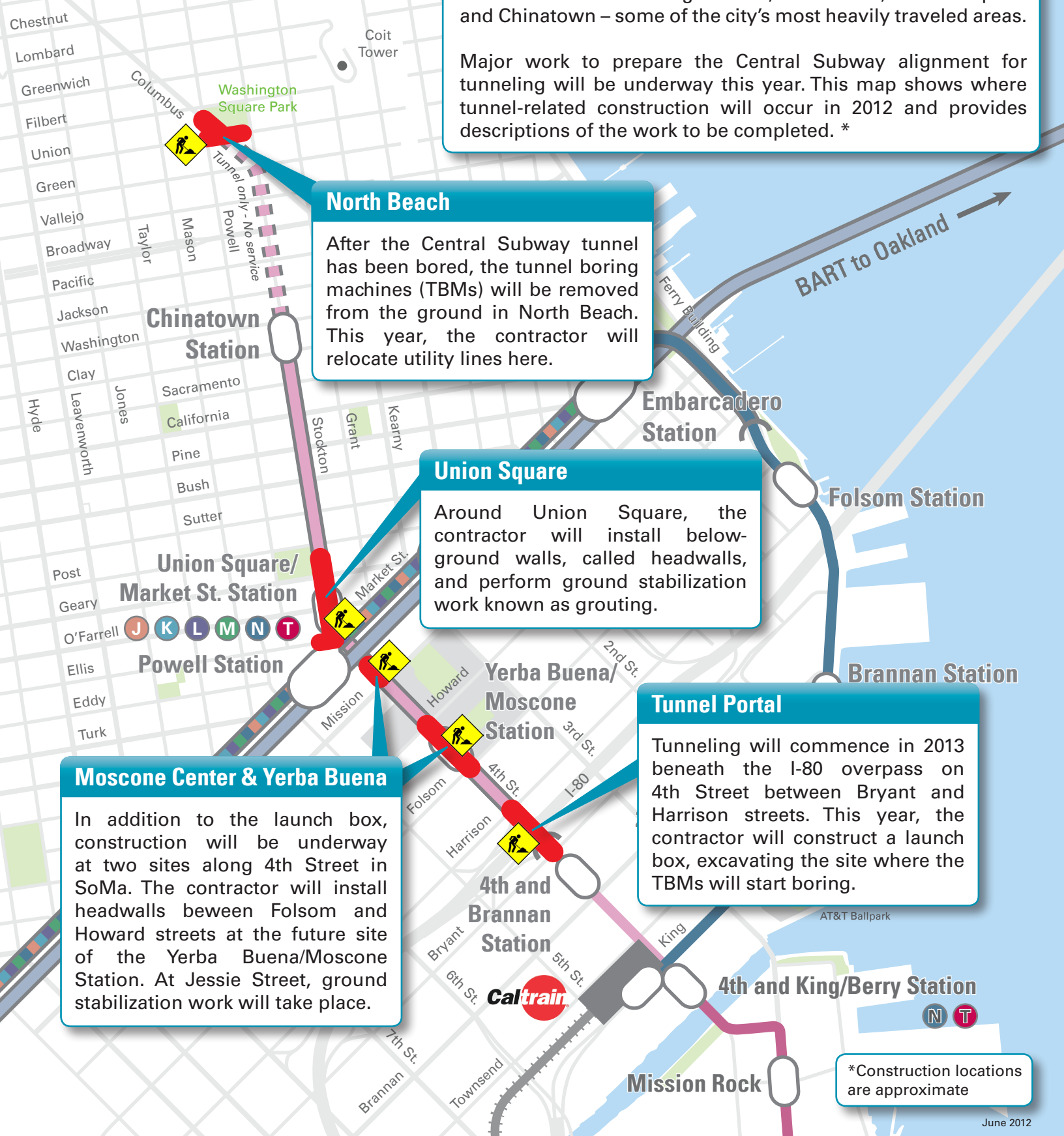


## 2012 Construction Outlook

The Central Subway tunnel will travel beneath central San Francisco, bypassing congested streets to quickly transport transit customers through SoMa, downtown, Union Square and Chinatown – some of the city’s most heavily traveled areas.

Major work to prepare the Central Subway alignment for tunneling will be underway this year. This map shows where tunnel-related construction will occur in 2012 and provides descriptions of the work to be completed. \*



### North Beach

After the Central Subway tunnel has been bored, the tunnel boring machines (TBMs) will be removed from the ground in North Beach. This year, the contractor will relocate utility lines here.

### Union Square

Around Union Square, the contractor will install below-ground walls, called headwalls, and perform ground stabilization work known as grouting.

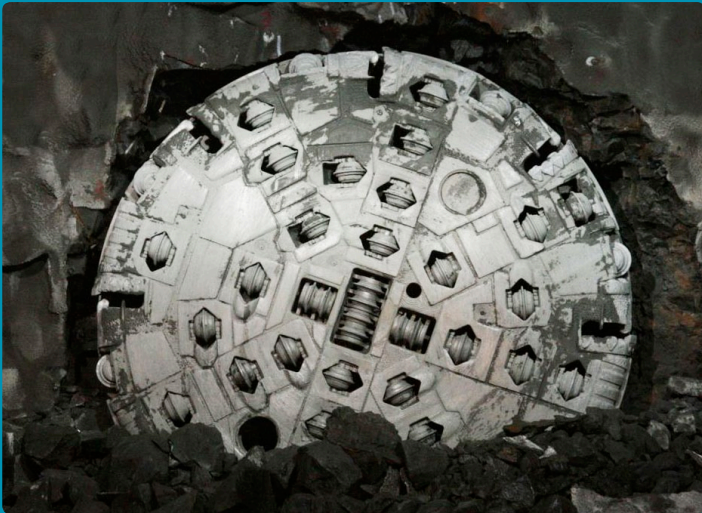
### Tunnel Portal

Tunneling will commence in 2013 beneath the I-80 overpass on 4th Street between Bryant and Harrison streets. This year, the contractor will construct a launch box, excavating the site where the TBMs will start boring.

### Moscone Center & Yerba Buena

In addition to the launch box, construction will be underway at two sites along 4th Street in SoMa. The contractor will install headwalls between Folsom and Howard streets at the future site of the Yerba Buena/Moscone Station. At Jessie Street, ground stabilization work will take place.

\*Construction locations are approximate



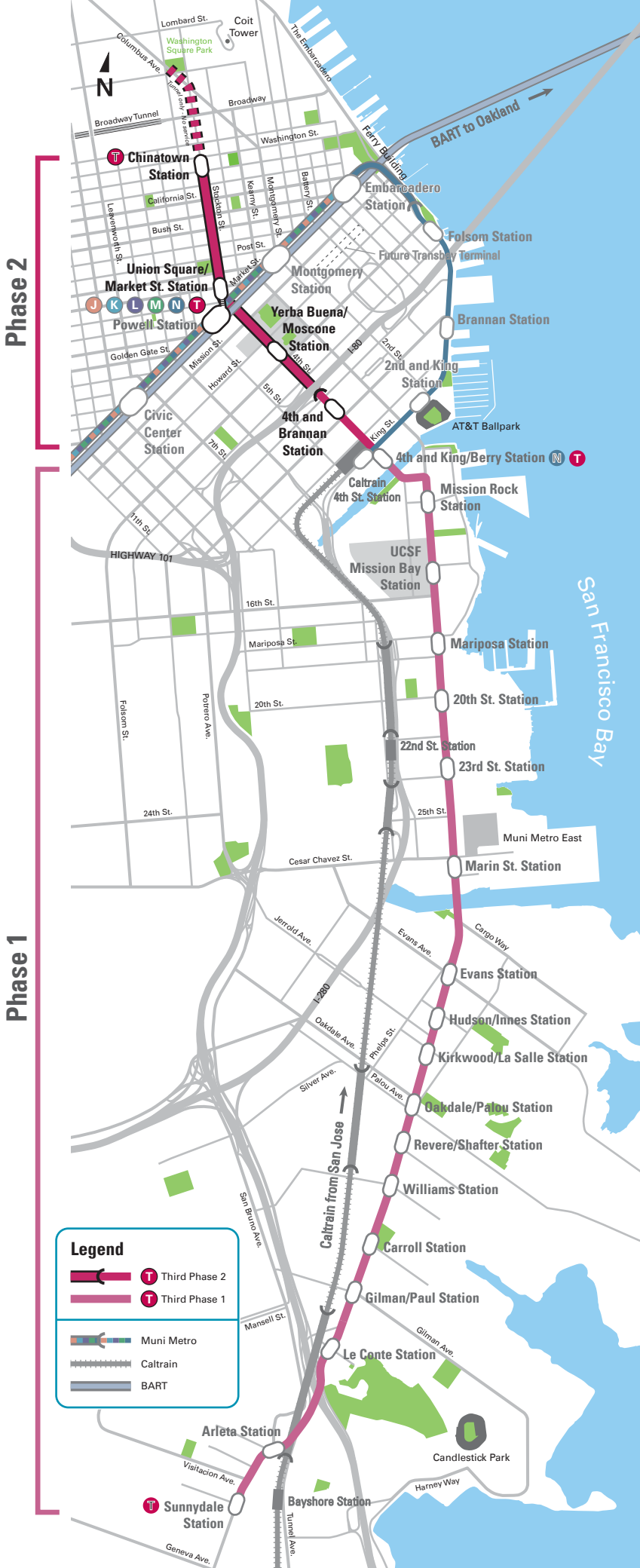
Examples of tunnel construction at the Second Avenue Subway in New York City. Starting next year, similar machines will excavate the Central Subway tunnel.

## Follow the Project Online






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**Legend**

-  Third Phase 2
-  Third Phase 1
-  Muni Metro
-  Caltrain
-  BART