

Notice of Construction Area and Navigation Restriction as Part of Port of Tokyo Bay Port Road Nanboku Line Submerged Caisson Construction

January 10, 2020 to April 30, 2020

- Offshore construction will be carried out in the Chubu North Fairway as noted below.
- Submerged caissons are installed. Please exercise sufficient caution for vessels which will be navigating the water in the area.
- **Vessels of 500 gross tons or more using the Odaiba Liner Wharf and 10 Go Chi (2) Wharf west side shall enter and exit port using the Tokyo West Passage.**

Details

1 Overview

(1) Construction details (Refer to Figures 1 and 2)

① Backfilling work

Rock muck, etc. will be injected on the submerged caisson side and peak after submersion.
 Rock muck, etc. injection will be carried out by self-propelled grab barges and tremie ships.
 However, because the tremie ships cannot be used in areas near revetments, direct injection will be carried out by self-propelled grab barges.
 The injected backfilling material will be evened out by divers in some of the areas where the required water depth passage and anchorage cannot be maintained.

② Revetment restoration

In order to construct the end of the submerged tunnel section, part of the removed revetments will be restored.
 Foundation riprap injection will be carried out by self-propelled grab barges under instruction by divers, and after injection of foundation riprap, preliminary and final evening out will be carried out by divers.

(2) Installation of signs and markings for clear indication of construction area (Refer to Figures 2 and 3)

Light beacons and lighted buoys will be setup to clearly indicate the construction area.

2 Navigation restriction period

The Central Breakwater side construction area will have navigation restrictions in place during the following periods.
 Note that the periods may change depending on construction conditions and status.

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3 Safety Measures

(1) The work ship group will be moored within the construction work area during the night.

When stopped during the night, in addition to displaying the lamps required by law, flashing indicators (1 yellow light flash per 4 seconds) will be installed on the 4 corners of the work ship group.

(2) Patrol boats

In principle, 2 boats each will be assigned to the 10 Go Chi side and Central Breakwater side construction work areas during work hours (during the day).
 In addition, for the Central Breakwater construction work area (navigation restricted), 2 patrol boats (Marine VHF radio signaling capable) will also be assigned after work is completed (nighttime) to patrol the area around the work area providing information and caution. (Refer to Figures 2 and 4)

* Patrol boats can be reached using Marine VHF radio (ch. 16).
 (Contact name: Nanboku Line Patrol Boats)

(3) Construction Vessel Markers

Construction vessels will display the lights, beacons, symbols and marker flags required by law. (Refer to Figure 5)

(4) A "Nanboku Line Safe Navigation Information Management Office" will be established and carry out the following. (Refer to Figure 1)

- Provision of information, etc. to standard vessels, etc.
- Collection of information on vessel traffic around construction area
- Provision of information on construction ship and patrol boat movement, caution, etc.

Figure 1 Guide Diagram

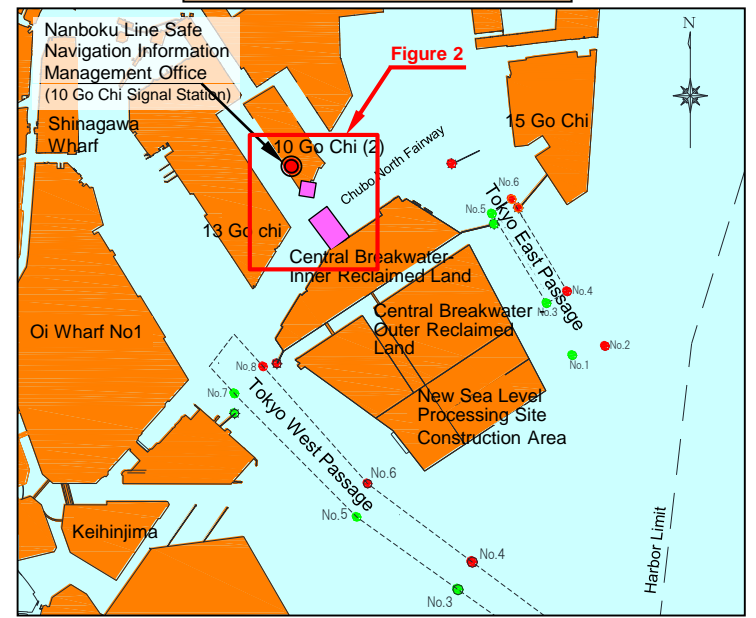
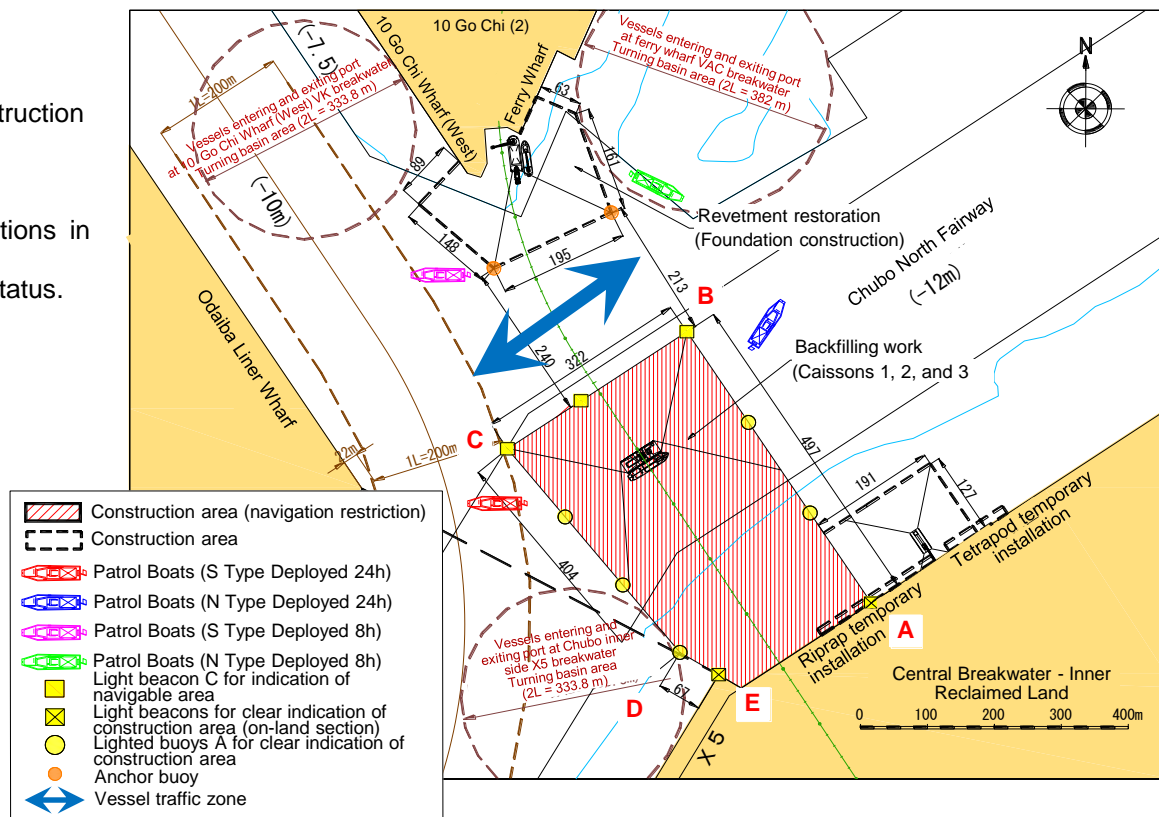


Figure 2 Construction Areas



* All vessels should travel outside of the yellow buoy marked areas.

◆ **Construction area (navigation restriction) (Refer to Figure 2)**

Ocean surface area enclosed by shore and line connecting each point from coordinate A to coordinate E

Point	Starting point	Direction	Distance	Latitude	Longitude
A	From 10 Go Chi Signal Station	140 degrees 00 minutes	946m	35 degrees 36 minutes 29.0 seconds	139 degrees 48 minutes 03.9 seconds
B	From point A	326 degrees 20 minutes	497m	35 degrees 36 minutes 42.3 seconds	139 degrees 47 minutes 52.8 seconds
C	From point B	263 degrees 21 minutes	322m	35 degrees 36 minutes 36.4 seconds	139 degrees 47 minutes 42.2 seconds
D	From point C	140 degrees 18 minutes	404m	35 degrees 36 minutes 26.4 seconds	139 degrees 47 minutes 52.6 seconds
E	From point D	120 degrees 30 minutes	67m	35 degrees 36 minutes 24.5 seconds	139 degrees 47 minutes 56.2 seconds

Figure 3 Signs and markings for clear indication of construction area (navigation restriction) [Light beacons and lighted buoys]

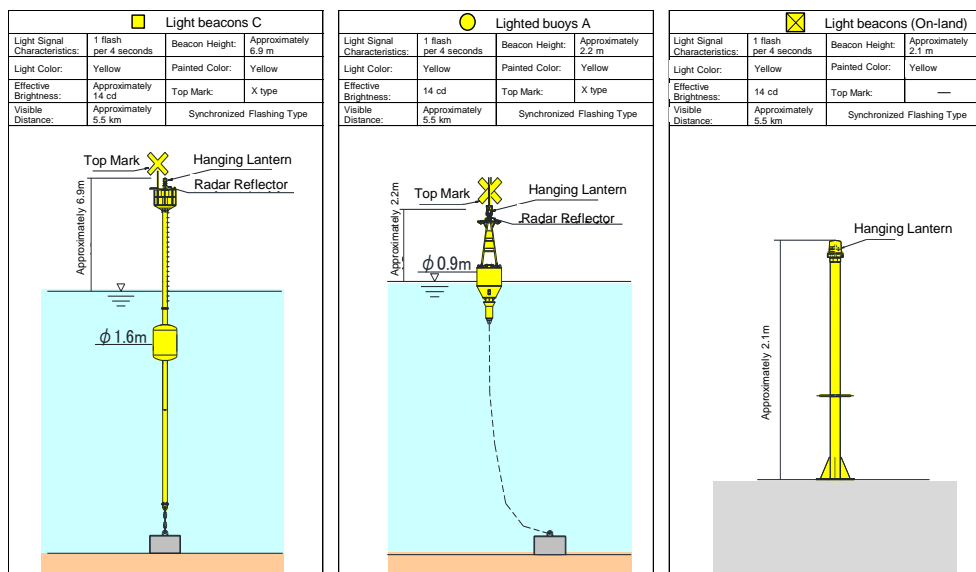


Figure 4 Patrol Boat Indications

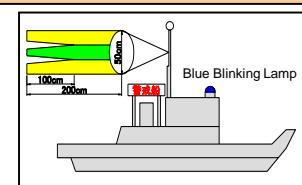
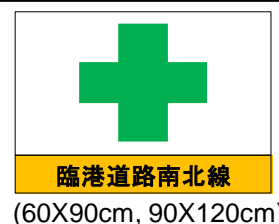


Figure 5 Marker Flags



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