

NOTICE ON KOBE PORT NO. 5 BREAKWATER REMOVAL (SECTION 2)

Contractor: (Section 2) Toa and Fudo Tetra
Specified Construction Joint Venture

Inquiry: Management Office of Navigational Safety Information on Kobe Port Marine Construction Work
[Website: <http://www.kobe-kaibouken.or.jp>]
Ordering party: Kobe Port Office of Kinki Regional Development Bureau, Ministry of Land, Infrastructure, Transport and Tourism



Inquiry QR Code
Management Office of
Navigational Safety
Information on Kobe Port
Marine Construction Work

The **removal of the structure** of the Kobe Port No. 5 breakwater will be conducted along with **sediment removal and test work**. The removed waste will be transported by barge to section 6 of Kobe-ku, Hanshin Port, where **sediment, rubble, armor stone, and sand deposition** will be conducted. **The safety measures specified below will be taken during the work period, and all vessels passing nearby are requested to give a wide berth and navigate with caution.**

1. Work Period and Time

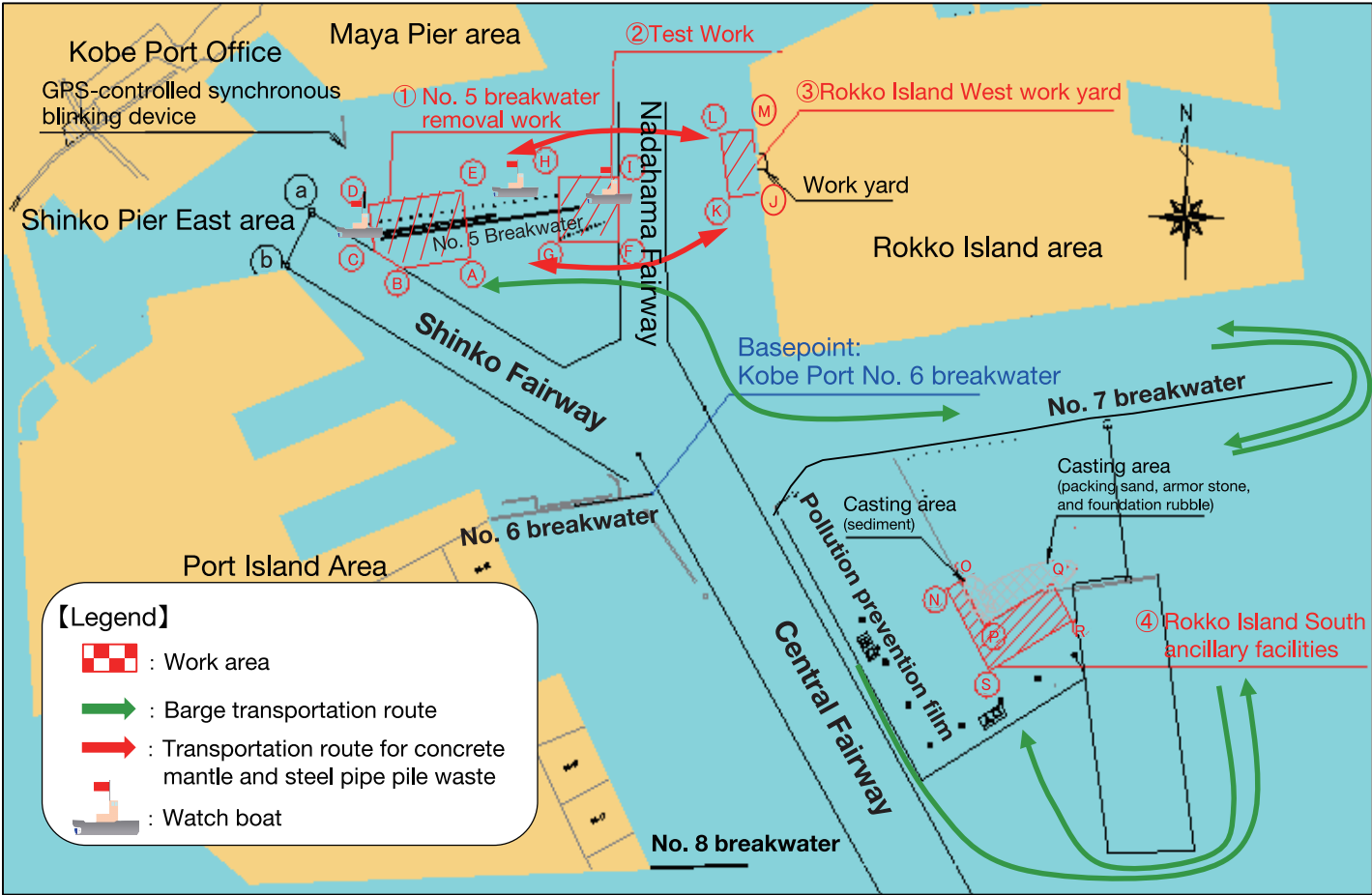
Work period: From March 6, 2020
To October 14, 2020
Daytime work: From Sunrise to sunset

Type of work	2020							
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
Armor stone removal								
Foot protection block removal								
Foundation rubble removal								
Cover concrete removal								
Packing sand removal								
Caisson removal								
Sediment removal								
Test work								
Water pollution prevention sheet installation/removal								
Safety control								

2. Work Area

Basepoint	Kobe Port No. 6 Breakwater Lighthouse 34-40-14.2N 135-14-43.1E		
Area	Point	Azimuth	Distance
① No. 5 Breakwater removal	Point A	From basepoint 320° 22' 50"	1,800 m
	Point B	From point A 261° 53' 30"	440 m
	Point C	From point B 299° 44' 10"	200 m
	Point D	From point C 352° 53' 20"	280 m
	Point E	From point D 81° 56' 50"	600 m
② Test work	Point F	From basepoint 352° 0' 20"	1,500 m
	Point G	From point F 270° 0' 00"	380 m
	Point H	From point G 0° 0' 00"	380 m
	Point I	From point H 90° 0' 00"	380 m
③ Rokko Island West work yard	Point J	From basepoint 21° 19' 40"	1,900 m
	Point K	From point J 261° 58' 10"	200 m
	Point L	From point K 351° 58' 10"	380 m
	Point M	From point L 81° 58' 10"	200 m
④ Rokko Island South casting area	Point N	From basepoint 106° 34' 00"	1,970 m
	Point O	From point N 60° 46' 40"	100 m
	Point P	From point O 150° 46' 40"	300 m
	Point Q	From point P 60° 46' 40"	500 m
	Point R	From point Q 150° 46' 40"	250 m
	Point S	From point R 240° 46' 40"	600 m

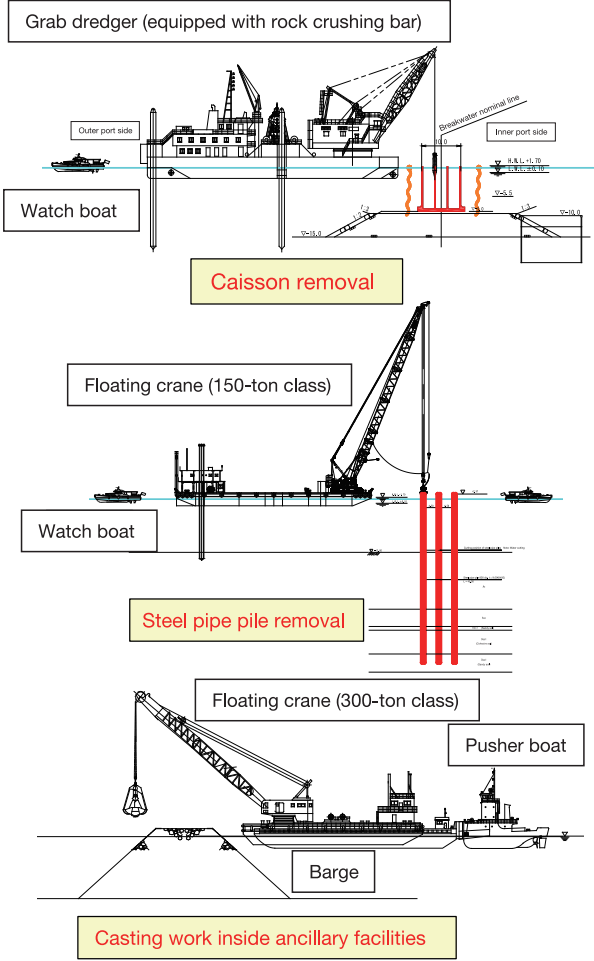
The work area is the sea area enclosed by the lines connecting each of the above points in alphabetical order.



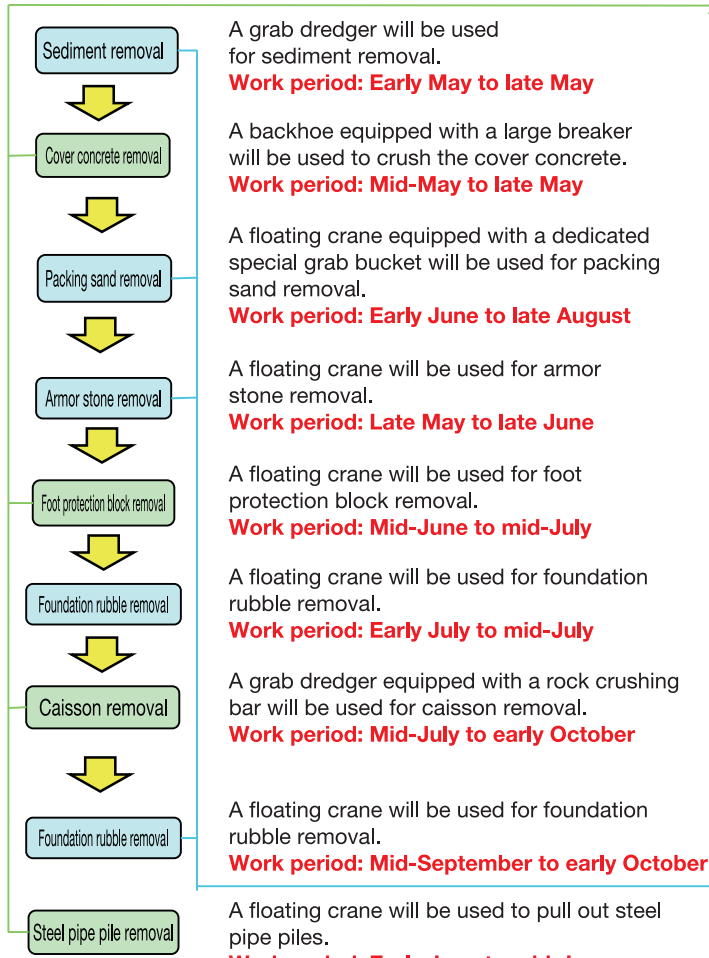
3. Work Outline

[Kobe Port No. 5 Breakwater Removal]

*Illustrations show typical types of work.



Removal workflow



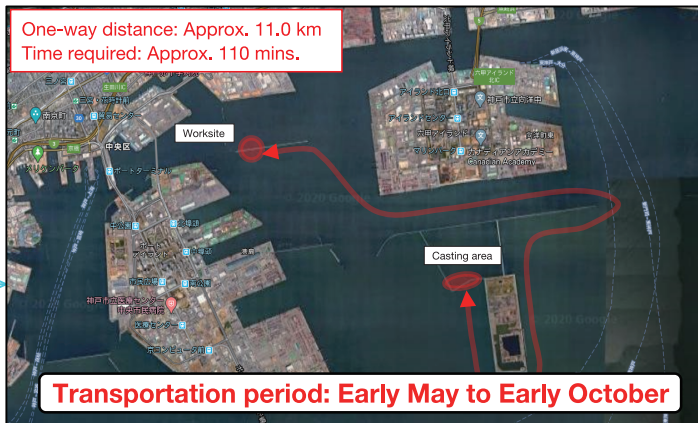
[Transporting to Work Yard on Rokko Island]

Concrete lumps and steel pipe piles will be transported to the work yard by floating crane or barge and unloaded.



[Casting to Section 6 of Kobe-ku, Hanshin Port]

Packing sand, armor stone, rubble, and sediment will be transported by barge and cast or discarded using a floating crane.

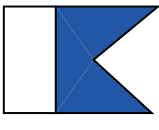


4. Safety Measures

- Each workboat will display a light and object specified by the Act for Preventing Collisions at Sea along with the flag representing the Joint Venture ①.
- During diving work, the barge will hoist a signal plate of International Flag A ② under the Act for Preventing Collisions at Sea.
- Two watch boats will be allocated, as shown in the above figure, to provide information and alerts to vessels passing nearby during the work. Each watch boat will hoist a warning flag ③.
- Each workboat in operation in section 6 of Kobe-ku, Hanshin Port, will follow the rules of the Management Office of Navigational Safety Information on Kobe Port Marine Construction Work and hoist a destination flag ④. Scan the QR code on the upper right-hand side for details.



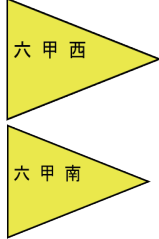
① Workboat flag (section 2)



② International Flag A



③ Watch boat flag



④ Destination flag