

NOTICE ON REMOVAL OF NO.4 BREAKWATER, INCLUDING UNWANTED MATERIALS, AT KOBE PORT

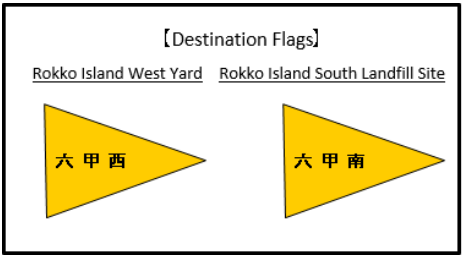
This construction work involves the removal of breakwaters at the Kobe Port No.4 Breakwater, as well as the transport, unloading or disposal of the removed materials. During the construction period, we will prioritise safety, so we ask ships navigating nearby to be very careful and cooperate with ensuring safe navigation.

Contact Information	
Ordering party : Kobe Ports and Harbors Office of Kinki Regional Development Bureau, Ministry of Land,Infrastructure,Transport and Tourism	TEL: 078-331-6703
Contractor: Toyo,Mirai Specified Construction joint Venture	
Manager : Takashi Takaki	Mobile Phone: 080-5898-8572
In charge : Ryo Fujii	Mobile Phone: 070-7406-5600
Inquiry on work : Management Office of Navigational Safety Informatio	TEL: 078-335-8025
information on Kobe Port Marine Construction Work	

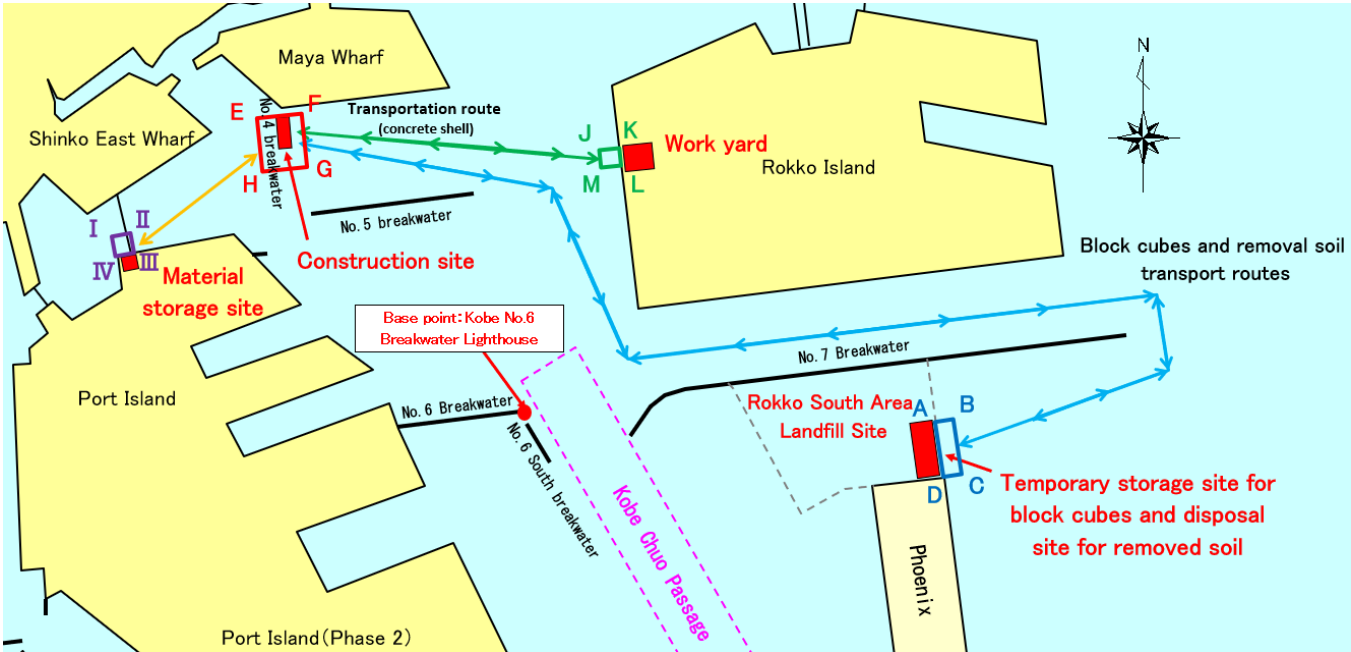
1. Work Period (Scheduled) : From August 17, 2026 through February 26,2027 (reserved days included)

Type of work	2026												2027						Remarks									
	Jun.			Jul.			Aug.			Sep.			Oct.			Nov.				Dec.			Jan.			Feb.		
	10	20	30	10	20	31	10	20	31	10	20	30	10	20	31	10	20	30		10	20	31	10	20	31	10	20	28
Preparatory work			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Removal Work (Parapet,Cover Concrete)																												
Removal Work (filler material, Removal of accumulated soil)																												
Removal Work (Caisson)																												
Safety Management																												
Sweeping																												

○Working time : Sunrise to sunset



2. Work Area



Work Area

Base point: Kobe No.6 Breakwater Lighthouse

Point	Reference point	Azimuth	Distance
E	From base	316° 48' 20"	3,113m
F	From E	84° 16' 10"	320m
G	From F	174° 16' 10"	400m
H	From G	264° 16' 10"	320m

Work Yard

Base point: Kobe No.6 Breakwater Lighthouse

地点	Reference point	Azimuth	Distance
J	From base	13° 23' 16"	2,080m
K	From J	81° 33' 22"	160m
L	From K	171° 33' 22"	130m
M	From L	261° 33' 22"	160m

Rokko South Area Landfill Site

Base point: Kobe No.6 Breakwater Lighthouse

地点	Reference point	Azimuth	Distance
A	From base	91° 01' 08"	2,972m
B	From A	82° 33' 27"	200m
C	From B	171° 43' 21"	450m
D	From C	172° 33' 27"	200m

Material storage site

Base point: Kobe No.6 Breakwater Lighthouse

地点	Reference point	Azimuth	Distance
I	From base	292° 17' 21"	3,530m
II	From I	79° 21' 14"	120m
III	From II	169° 21' 32"	160m
IV	From III	259° 21' 13"	120m

Legend

- : Temporary marker lights installation and removal
- : Temporary light buoy installation and removal
- ⊕ : Temporary buoy installation and removal (Φ40cm)
- ⊙ : Simple indicator light

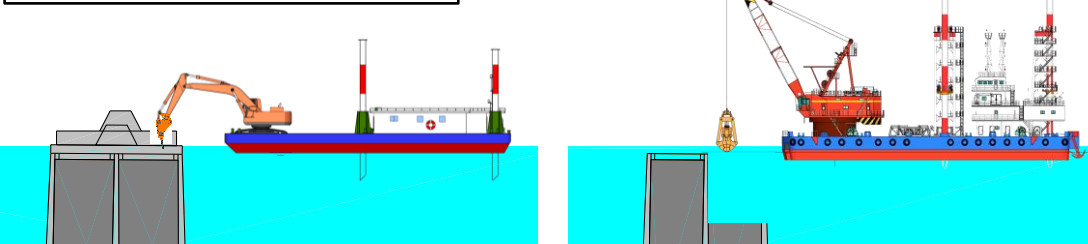
3. Work Method

- 1) A floating crane and backhoe barge will be used to remove the caissons from the removal area of the No.4 breakwater.
- 2) The removed concrete shells from the No.4 breakwater removal area will be loaded onto a floating crane, transported to the work yard on the west side of Rokko Island, and landed.
- 3) The materials removed from the No.4 breakwater removal area and the accumulated sediment will be loaded onto a barge and taken to the Rokko South Area Landfill Site for dumping. Similarly, the removed block cubes will also be transported by crane vessel.

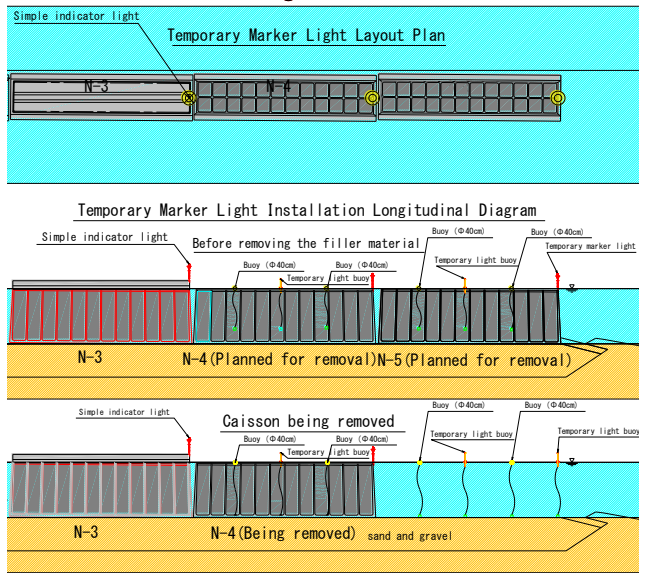
4. Safety Measures

- 1) Each work vessel will display a lamplight and object specified by the Prevention of Collision at Sea Act.
- 2) Each work vessel will hoist the house flags of the contractors and destination of it.
- 3) Two watch boats will be stationed around the work area to draw attention of vessels passing nearby and for the maintenance of marine traffic safety.
- 4) The international signal flag(flag A) will be hoisted during underwater work.
- 5) Each workboat berthing at night will turn on lights specified by the Prevention of Collision at Sea Act, along with proper lighting and a marker buoy at the anchoring position.
- 6) For more details of the work, scan the QRcode on the lower right-hand side.
- 7) During the work period, we will set up marker lights and buoys as safety measures for vessels passing nearby. The standard for the light buoy should meet a visibility range of 4.0km, yellow light, yellow lantern, light pattern of one flash every 3 seconds, and at least +2.0m above sea level.
- 8) With the removal of the parapet of the No.4 breakwater, when the top is below the water level at high tide, we will install temporary marker lights or temporary light buoys on the south side of the No.4 breakwater. The distance between each light will be approximately 20m. Each light will be at least 2 m high above the sea surface and flash yellow once at 3-second intervals (insynchronization with the temporary marker lights) at 7.8 candelas, with a light reaching distance of 4.0 km.

Sketch of caisson removal



Sketch of allocated temporary marker lights and light



House flags

