Notice about Dredging Work in Kanmon Passage (Oseto–Mutsure area, Nishiyama offshore)

Diving survey and dredging will be implemented in the Kanmon Passage (Nishiyama offshore) area as follows. Vessels navigating in nearby sea areas are requested to exercise due caution.

1. Work Periods

<table>
<thead>
<tr>
<th>District name</th>
<th>Type of work</th>
<th>Type of boat</th>
<th>Max. (boats)</th>
<th>Scheduled periods</th>
<th>Work time</th>
<th>Safety</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nishiyama offshore</td>
<td>Diving survey</td>
<td>Diver support boat</td>
<td>16</td>
<td>Early June to late Oct. 2018</td>
<td>0800 to sunset</td>
<td>Patrol boats: 4 max., Sign boats: 2 max.</td>
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<tr>
<td></td>
<td>Grab dredging</td>
<td>Spat-type grab dredge</td>
<td>4</td>
<td>Mid-June to late Nov. 2018</td>
<td></td>
<td>Patrol boats: 4 max., Sign boats: 2 max., Transport: 8 max.</td>
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</tbody>
</table>

* In principle construction work will not be performed on Saturdays, Sundays, or holidays, but there may be exceptions depending on work progress.

* The work schedule may change depending on work progress. Please confirm that latest information as shown in item 6 below.

* Details concerning work sites 2 (2 2 lane) will be notified separately in advance of construction start.

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</thead>
<tbody>
<tr>
<td>Nishiyama offshore</td>
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</table>

Refer to Fig. 1 for location of sites 1-5. (Details will be notified separately.)

2. Work Sites

The diving survey and dredging sites are in the Kanmon Passage (Oseto–Mutsure area, Nishiyama offshore), as shown in Fig. 1.

3. Outline of Work

3-1 Common Items

1) All work boats will fly construction flags to clearly identify them.

2) Diving survey (Fig. 2)

1) A maximum of 16 diver support boats, one diver each, will move while performing magnetic sensor survey.

3-3 Dredging (Fig. 3)

1) A maximum of 3 spat-type grab dredges will handle dredging work in a single lane, with dredged material transported to the Shimonaoski artificial island site via a maximum of 6 transports.

2) When 2 lanes are used there will be a maximum of 2 dredges, and for construction outside the passage a maximum of 4 dredges.

3) When the dredge is not active, and at night, it will be moored in a stand-by location (see Fig. 1).

4. Safety Measures

4-1 Common Items (Figs. 1, 2, 3)

1) Patrol boats showing warning signs (green-yellow-green streamers) will mark the area when diving survey or dredging is underway.

2) In addition, sign boats with electric signals will be also deployed.

4-2 Diving survey

1) On the diver support boats, international signal flag A will be flown to clearly show that the diving survey is being conducted, and barrel buoys will be placed at the four corners to mark the area.

4-3 Dredging

1) The dredger will put up lights and shapes as specified in the Regulations for Preventing Collisions at Sea for safety.

2) Transport vessels will stand by in the withdrawal area, aside a dredge (Fig. 1).

5. Instructions to vessels operating in the area

5-1 Common Items

1) Vessels navigating near the diving or dredging work areas are asked to decelerate while still assuring safe ship operation, and pass as far away from the work boats as possible.

2) When work is underway sign boats will be deployed for safety (Fig. 1), and serve as indicators that work is underway.

3) When navigating the Kanmon Passage, vessels equipped with VHF systems are requested to constantly monitor international VHF channel 16 and act accordingly.

4) Vessels equipped with AIS are requested to utilize it.

6. Work boat withdrawal

Work boats (dredge and diver support boats) will withdraw outside the Kanmon Passage on the Shimonaoski side, or to other place of safety, at least 30 minutes before large vessels (generally, 200 m or more in length) pass.

* If your vessel is covered by the following cases, please notify the Kanmon Passage Safety Operations Office at least two hours before your vessel is scheduled to enter the work area, and again 30 minutes prior.

* Work boats with withdrawal in the following cases:

- Large vessels entering the Tobata Passage via Hie, as or requested by westbound large vessels
- Large vessels entering or leaving port in the Nishiyama area
- Large vessels passing through the Tobata Passage via Mutsure

6. Provision of information

Work information is available from the office shown below. Inquiries should be in Japanese as much as possible.

Kanmon Passage Safety Operations Office  For information on work progress and navigation
Tel: 093-752-1660  E-mail: kanmonzenom@swet.oon.ne.jp
Tel: 093-752-1661  Web: http://sekaikei.ecwolf.jp/kanmon/