High tide and tsunami wave control with steel materials

The reinforcement of the existing high tide water barriers, revetments and embankments, as well aslevee crown height increase.

Merits

- 1. Work to control tsunami waves in a major earthquake and storm surge in a typhoon can be executed in a short period of time.
- Levee crown height that had decreased with soil foundation subsidence due to liquefaction, etc., can be restored at an early stage.



Applicable sector

Seacoast, River structures, Ports, Agricultural structures

Features

- 1. Work can be done in areas with space restrictions.
 - · Work can be done in a narrow place and occupied space can be reduced.
- 2. Reduction of the construction period and cost
 - · It is possible to shorten the construction period by using steel material.
 - Construction cost can be reduced without major renovation of the existing revetment.
- 3. Improvement of function.
 - By making use of steel materials, various effects can be attained such as renovation of aged structures recovery and improvement of function of prevention and conservation about disaster and landscape.etc.

Track Record



Source: Hiroshima Port and Airport Development Office, Chugoku Regional Development Bureau

In Japan : many records (Tokyo metropolitan inside river revetment , Kochi prefecture seacoast, Aichi prefecture reventment et al.)

Cost

Refer to the under-mentioned contact section about details

Contact

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