

Preparing for a catastrophic natural disaster

대규모 재해에 대비

We will secure rescue activities by rapid road clearing in case of huge earthquake and other natural disasters. In order to secure safe and reliable road networks, high-standard arterial highways, urban ring roads and other disaster-resistant roads are being constructed. Measures against earthquakes, storms and heavy snows are also being implemented.

● Preparing for earthquake

To ensure a highly reliable road network that allows for fast and safe emergency activities during earthquakes, bridges are being retrofitted with earthquake protection.



Steel jacking for pier body and unseating prevention devices



Concrete jacking for pier body and unseating prevention devices

● Support for tsunami evacuation

We are promoting installation of sign on elevation above sea level at road sign post, construction of evacuation tower using space above the roads and construction of stairways to elevated highways, to ensure rapid evacuation in case of tsunami.



Example of signs on elevation (Kumano city)



A form of signs on elevation



Sign indicating elevation



Evacuation tower and Stairway to elevated highway

● Preparing for heavy rain

A number of measures are implemented to protect road traffic from heavy rain and heavy snow. These include, among others, disaster prevention work on roadside slopes and construction of roads that circumvent disaster-prone sections.



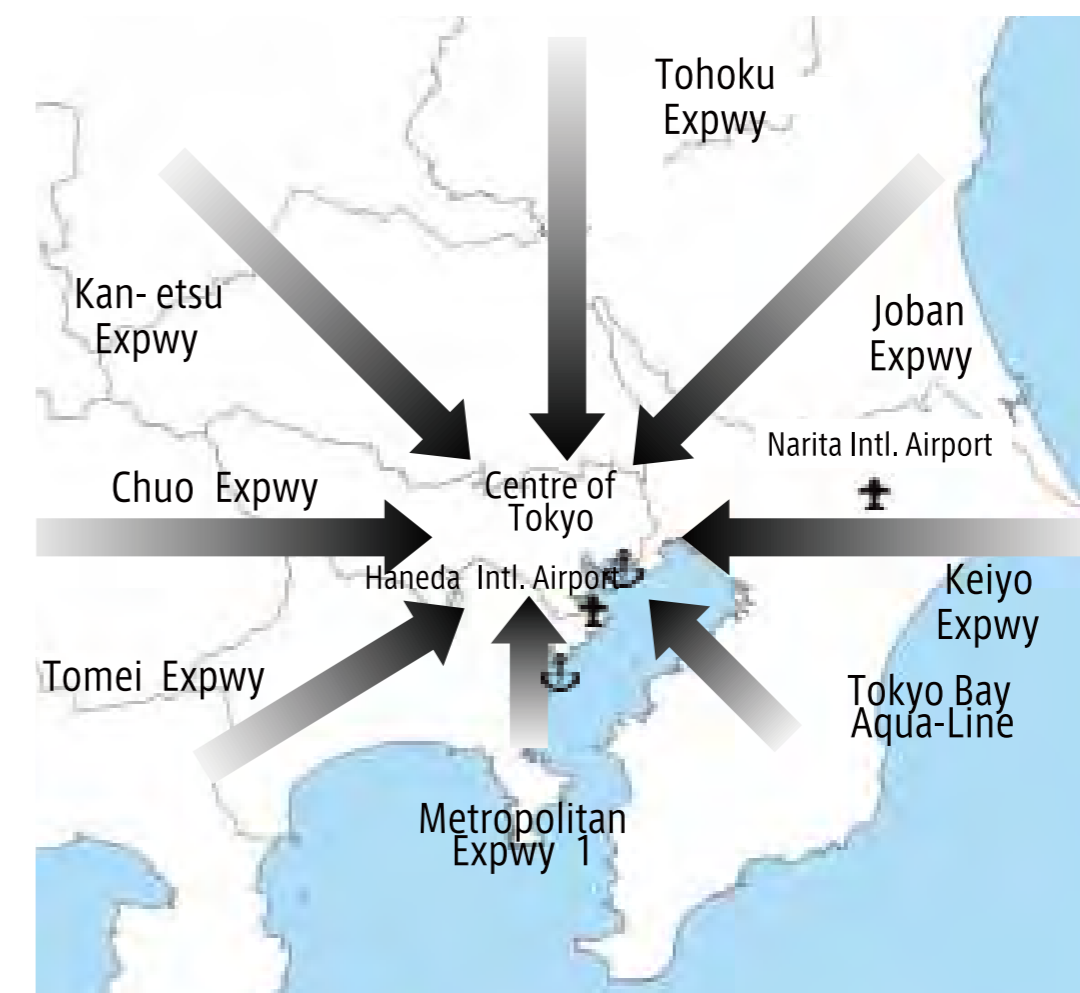
Road with rockfall shelter



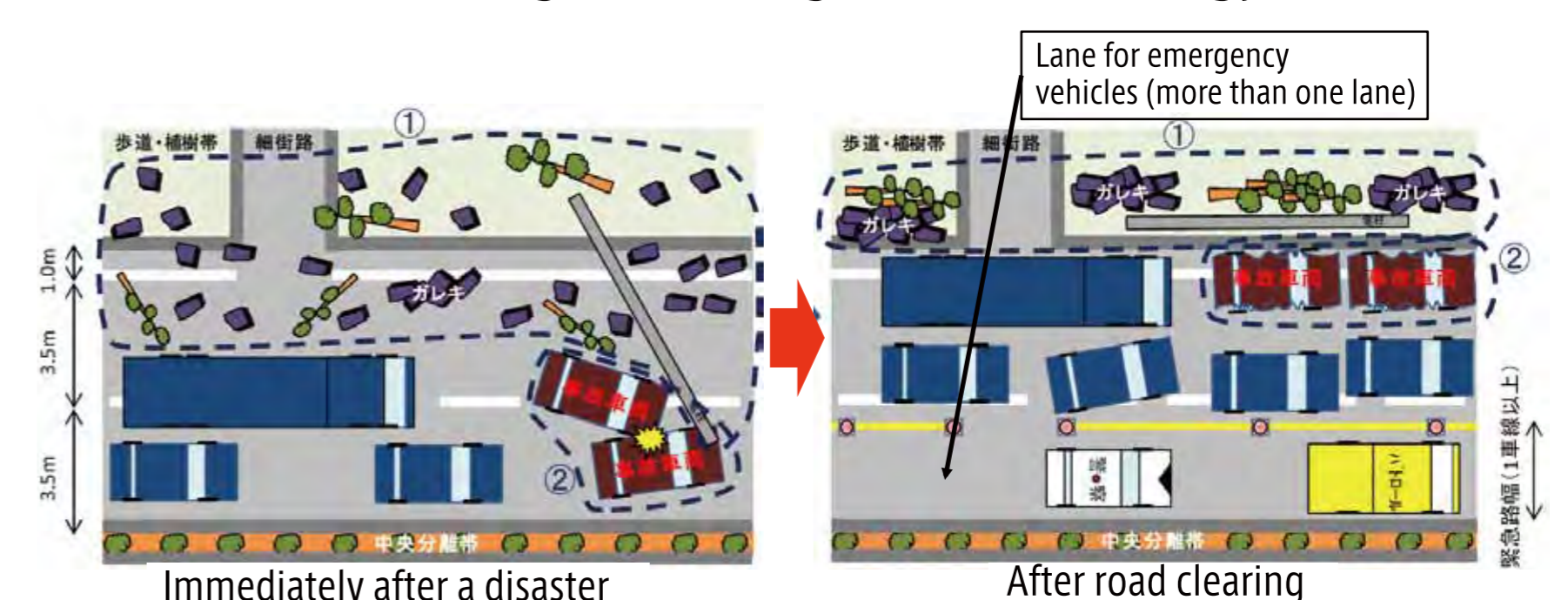
Protective concrete that prevent roadside slope collapsing

● Securing rescue activities

Emergency vehicle could be hindered in the metropolitan area by broken vehicles or congestion brought by those vehicles when the earthquake occurs. To secure the space for emergency vehicles, we have a plan to secure one lane for eight directions (Eight-Direction Strategy) and competence to remove the vehicles that are hindering emergency vehicles even it might break those hindering vehicles.



Road clearing based on Eight-Direction Strategy



Road clearing



Drilling of vehicle removal based on the Disaster Countermeasures Basic Act