

# Disaster-response Capabilities

## 재해 대응 능력의 강화

### ● Use of rest areas as disaster-management bases

In the Great East Japan Earthquake, the Self-Defense Forces and firefighters heading for stricken areas used expressway rest areas as relay and support bases. Based on this experience and various issues, authorities are bolstering their disaster-response capabilities across Japan to respond effectively and the efficiently to emergencies, using Moriya SA on the Joban Expressway as their model

#### ●Moriya Service Area (Southbound) on Joban Expressway, as a disaster management base

**Disaster-response warehouse**  
Inflatable tents for outdoor use, emergency food rations, relief supplies, traffic regulation equipment and other supplies are stored at this disaster-response warehouse.

**Emergency vehicle entrance/exit**  
Used by emergency vehicles to enter and exit outside of expressway in times of disaster.

**Generators and rooftop solar-power generation facilities**  
Solar-power generation panels on the roofs of commercial facilities.  
Generators enable continuous use for 72 hours.

**Heliport for mid-size helicopters**  
Nighttime illumination and a helicopter office have been installed, enabling safe landing and takeoff day and night.

**Well**  
Well has been dug in case of interruption of water supply.

**The food court is used as a disaster management office. (1st floor)**  
The food court layout can be rearranged for use as a disaster management office, under disaster situation.  
• Electrical power outlets and TV antenna terminals are installed.  
• Large monitors and whiteboards are installed.

**First-aid space (2nd floor)**  
The employee break lounge can be used as a first-aid room.  
Fold-down beds

**General situation** → **Emergency situation**

### ● The recovery of the Tomei expressway in Makinohara area

Immediately after the Surugawan earthquake, we started emergency checkup and stopgap recovery, and 4 days later, finished temporary recovery for general traffic.



Aug.11th.2009



Aug.15th.2009(4days later)

### ● Earthquake Museum for educational assistance on disaster prevention

Great Hanshin-Awaji Earthquake occurred in January1995, took precious lives and destroyed cherished livings of local communities. Earthquake Museum conveys how Hanshin Expressway responded in the 623 days to complete the restoration of the expressway system. It displays damaged structures, and introduces new technologies and various activities which put into practice based on the lessons including disaster management support and educational assistance for disaster prevention.

