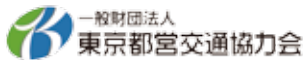


TOEI Subway

Disaster Preparedness Handbook



TOEI TRANSPORTATION



Read the Disaster Preparedness Handbook and be prepared for when disaster strikes!

Are the subway stations safe in heavy rain?



What should I do if there's a fire?



What should I do in an earthquake?



Toei Transportation Customer Center

TEL. 03-3816-5700

Hours of operation 9AM to 8PM daily

Toei Transportation Information Website
<http://www.kotsu.metro.tokyo.jp/>

Tokyo Metropolitan Government Disaster Prevention Website
<http://www.bousai.metro.tokyo.jp/>



TOEI TRANSPORTATION

Introduction

“What should I do if an earthquake happens while I’m on the subway?”
“If a fire happens on a train or in a station, what should I do?”
“What can I do?”

If you have questions like these, the Toei Subway Disaster Preparedness Handbook is for you. We wrote this handbook to answer those questions, so our valued passengers can ride the Toei Subway with peace of mind.

At Toei Transportation, our disaster-preparedness measures cover both tangible and intangible aspects. In addition to reinforcing the earthquake-resistance of our facilities, we train our employees in proper procedures in the event of natural disasters such as a major earthquake, fire, torrential rain or high wind. However, ensuring the safety of our passengers in any of these situations is impossible without the cooperation of you, our passengers.

We prepared this little booklet to explain how Toei Transportation will respond in the event that a disaster strikes while you are riding the Toei subway. It also offers tips on what you should do if you find yourself in such a situation, along with other information that is useful to know in case of disaster. We invite you to keep it handy and put it to use.

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General Drills in case of Abnormal Occurrences



Reinforcement of the central pillars of the platform



Drills in Case of Natural Disasters



Watertight doors (in tunnels)

In an Earthquake

On platforms

⚠ Take care not to fall onto the tracks.

⚠ Look out for falling objects.



On trains

⚠ Look out for falling objects.

⚠ Hold onto straps and handrails.



Auxiliary Lighting on Trains and Emergency Lighting in Stations

In the unlikely event of a power failure, auxiliary lighting powered by batteries will light for about 30 minutes. Emergency lighting will light in stations.



Auxiliary Lighting on Trains



Emergency Lighting in Stations

Q & A

Q 「What happens to trains that are in motion?」

A 「The Earthquake Early Warning system is used to bring the train to a safe stop before major shaking begins. If the train is stopped between stations, crewmembers confirm the safety of passengers and drive the train to the nearest station as soon as possible. If the earthquake is ranked 4 or higher on the JMA Seismic Intensity Scale, facilities are inspected according to the intensity.」

Earthquake Early Warning System

When the Japan Meteorological Agency (JMA) issues an Earthquake Early Warning, an alert is sent to the crew via the train radio system, so crewmembers can stop trains before major shaking begins. This system is vital in ensuring rapid response and minimizing secondary damage when earthquakes strike.

After an Earthquake Strikes

On platforms

⚠️ Evacuate the platform as instructed by station attendants.

⚠️ Stay calm.



On trains



⚠️ Do not venture outside recklessly.

⚠️ Listen to the train PA system.

Q & A

Q 「What should I do while waiting for the trains to resume service?」

A 「In some cases, recovery may take time, as safety at ground level is confirmed and temporary shelter is arranged. In such cases passengers may use the station as a temporary standby facility. Each station is furnished with supplies such as water and portable toilets that can be made available as necessary.」

An Earthquake-resistant Subway

The stations and tunnels of the Toei Subway are built to withstand earthquakes even as strong as the Great Hanshin-Awaji Earthquake of 1995. All lines are installed with seismometers. If an earthquake strikes, train conductors can be quickly ordered to proceed slowly or suspend service according to the seismic intensity. Normal service is resumed only after safety is confirmed.

If a Fire Occurs

On platforms

! Move away from the flames.

! Alert others by pulling the fire alarm.



! Evacuate to a safe place in accordance with station attendants' instructions.

On trains

! From a safe car, use the provided intercom to report the fire.

! Evacuate to a safe car.



In Case of Fire on Your Train

Toei Subway railcars are built using materials carefully selected for safety*. If you discover a fire on your train, evacuate to a safe car and use the provided of the fire. Cars are separated by doors. Each car is equipped

with a fire extinguisher.



Fire extinguisher



Alarm

Q & A

Q 「Can I evacuate the train?」

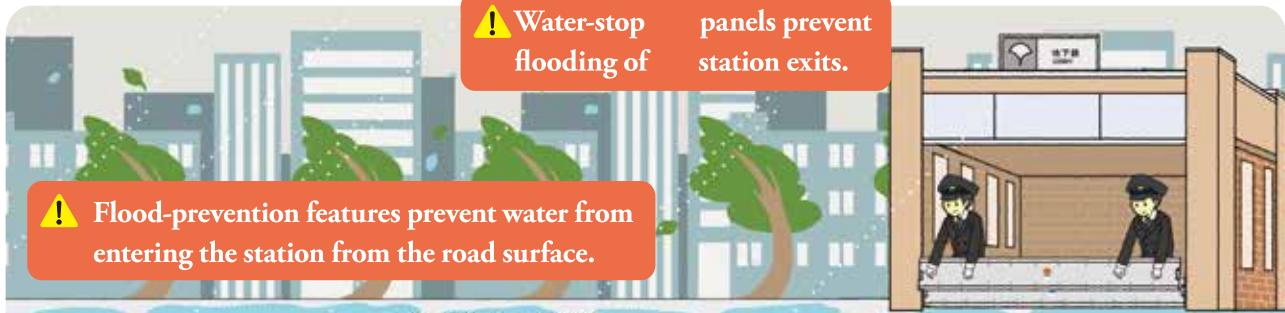
A 「If a fire occurs while the train is in motion, the crew will make every effort to drive the train to the nearest station. You can evacuate the train after it arrives at the station. All trains are equipped with doors front and rear, so you can evacuate the train as guided by the crew.」

In Case of Fire in the Station

Toei Subway station facilities are built using materials carefully selected for safety*. To prepare for cases of fire, all stations are equipped with automatic fire alarms, sprinklers, guide lighting and other safety features.

* Materials are non-flammable or flame-retardant in accordance with national standards.

In Case of Flooding



⚠ Water-stop panels prevent flooding of station exits.

⚠ Flood-prevention features prevent water from entering the station from the road surface.



⚠ Evacuate calmly.

⚠ Watertight doors prevent flooding in tunnels.



In stations

Q & A

- Q 「If there's a torrential downpour, what happens to the subway station?」
- A 「Stations are outfitted with flooding-prevention features such as flood-stop panels and watertight doors at all exits. Tunnels are also equipped with watertight doors, minimizing harm in the event of a flood.」

A Flood-resistant Subway

Evacuation plans are drawn up for all Toei Subway stations. Systems are in place for guiding passengers smoothly and rapidly to safety in the event of flooding.

Evacuation Features

Emergency exits and partition doors in railcars

If passengers need to evacuate while their train is in a tunnel, they can do so from the emergency exits at the front. Cars are separated by doors in order to prevent damage from spreading adjoining cars.



Station alarm systems

The stationmaster's office is equipped with a disaster prevention monitoring board. If trouble occurs, passengers can be guided to safety immediately.



Evacuation routes

Multiple evacuation routes from platforms to the surface are secured at all station. These evacuation routes are equipped with guide lights and other safety features. Even if guide lighting becomes invisible due to smoke, passengers can evacuate safely by following luminescent guide signs embedded in floors and walls.



Safety Measures

Service information display system

During normal service, the service information display system provides information about train delays, etc. In the event of a large-scale disaster, the system relays NHK's emergency disaster broadcast.



Measures for those unable to return home

All stations are furnished with the supplies necessary to protect passengers temporarily sheltered there. These supplies include drinking water, blankets, mats, portable toilets and flashlights.



Disaster-resistant cabinets

To prepare for earthquakes and other disasters, disaster-resistant cabinets are installed in elevators. These cabinets contain emergency and disaster-response equipment. In the event that an elevator stops while passengers are using it, the emergency and disaster-response equipment stored in the disaster-resistant cabinet can be used until rescuers arrive.



A Subway Resistant to High Winds

To prevent accidents caused by high wind on trains running on overland sections, anemometers are installed. When high winds occur, train conductors may be ordered to proceed slowly or suspend service temporarily. In such cases, trains may be delayed.



Drills

Toei Transportation is committed to upholding and improving its ability to respond promptly and effectively in the event of disasters and each workplace on a regular basis. In addition, Toei Transportation conducts general drills, coordinating and combining all workplaces, in

General Drills in case of Abnormal Occurrences

In preparation for abnormal occurrences, Toei Transportation conducts large-scale, practical drills covering content such as protecting trains, leading passengers to safety, relief and rescue, contact and notification, recovery from derailment and facility recovery.



ity to respond promptly and effectively in the event of disasters and each workplace on a regular basis. In addition, Toei Transportation prepares for large-scale disasters and abnormal occurrences.



Drills in Case of Natural Disasters

In preparation for flash floods causing flooding of station exits, drills are conducted on the placement of flood-stop panels and sandbags and confirming communication among various locations and departments.



NBC training

In coordination with police and firefighting services, Toei Transportation conducts drills for dealing with the spread of nuclear, biological and chemical (NBC) agents. Drills deal with leading passengers to safety and detecting, assessing and disposing of suspicious objects.

