

# Greater Efforts to Alleviate Transportation Problems in Greater Tokyo (Total Sum: Approximately ¥300 billion)

## New Measures Established Since July (Approximately ¥137 billion)

### Improving Facility and Rolling Stock Stability (Approximately ¥126 billion)

- Upgrading and Providing Backup Systems for Malfunction Prevention Equipment
- Replacing Rolling Stock

#### 1. Improvements to Create Trouble-free Facilities and Facilities with Backup Systems

- Reinforcement of weak points in signal cables (approximately 32,900 locations)
- Use of synthetic sleepers on bridge structures (approximately 33,500)
- Measures to prevent roadbed cave-ins, etc.

#### 2. Replacing Rolling Stock with Models with Backup Systems [Already announced]

- The adoption of rolling stock (Series E233) that features backups for all main equipment on the Keihin-Tohoku and Negishi Lines (830 railcars)

#### 3. Upgrading Equipment for Commuter Trains

- The bulk upgrade of main circuit equipment, brake control units and other electronic equipment
- Implemented on the Sobu Line (Rapid-Service) and Yokosuka Line Series E217 railcars (approximately 970 railcars)

#### • Miscellaneous

##### Reinforcing Facility Inspections and Maintenance

- Improving rail inspection accuracy by increasing the number of rail-defect detector cars (two cars)
- Constraining the number of scratches on rails by increasing the number of rail grinding cars (three cars), etc.

### Measures Targeted for Continued Implementation (Approximately ¥160 billion) [Already Announced]

- Replacing Rolling Stock with ones with Backup System

Series E233 rolling stock adopted on the Chuo, Ome and Itsukaichi Lines (688 railcars)

### Swift Restoration during Transportation Service Interruptions (Approximately ¥8 billion)

- Reinforcement, etc., of Monitoring Functions to Locate Malfunctions in Ground Facilities as Swiftly as Possible

#### 1. Establishment of a System to Ensure Swift Service Restoration

- Establishment of a 24-hour emergency service system with signal manufacturers
- Reinforcement of signal communication dispatch monitoring functions

#### 2. Thorough Training Facilities

- Establishment of training facilities for track maintenance, electricity and signal communications

#### 3. Increasing Replacement Parts for Equipment

- Increasing the number of required replacement parts for track maintenance, electricity and signal communications during disaster restoration work

### Reinforcement of Information Distribution (Approximately ¥3 billion)

- Reinforcement of Information Distribution to Passengers and Smooth Information Flow between Employees

#### 1. Reinforcement of Information Distribution to Passengers

- Increases in the number of emergency information displays

Expansion to cover approximately 70 additional stations by fiscal 2008

- Replacement and Increase of Station Broadcasting Facilities (Approximately 200 station)

#### 2. Smooth Information Flow between Employees

- Installation of radio transceivers for the smooth transmission of information between employees (approximately 150 stations)

### Measures for Swift Implementation since July (Approximately ¥7 billion) [Already Announced]

#### Reinforcement of Response Systems to Facility and Rolling Stock Malfunctions

- Number of Facilities for Coping with Facility Malfunctions Increased (10 Locations)  
Inaugurated in November 2006: 4 locations  
Inaugurated by the end of fiscal 2006: 6 locations
- Number of Facilities for Coping with Rolling Stock Malfunctions Increased (1 Location)
- Number of Electric Rescue Vehicles Increased (10 Vehicles)

#### Reducing the Amount of Time Required to Identify the Location of Problems

- Introduction of Track Circuit Checkers (23 vehicles)
- Installation of Train Malfunction Transmission System, etc.

#### Increases in the Number of Replacement Parts for Rolling Stock

#### Issuance of Service Delay Certification from our Homepage

#### Emergency Information Displays (19 Stations within Fiscal 2006)

#### Speedier Arrangement of Transportation in the Event of Service Interruptions

- Number of ATOS Entry Terminals Increased
- Number of ATOS Training Facilities Increased

### • Improvements to Create Trouble-Free Facilities

- Installation of next-generation turnout systems (194 sets at 46 stations)
- Measures to prevent signal safety devices from malfunctioning in the Tokyo area
- Simplification and integration of signal facilities

### • Strengthening Operation Control Systems

- Installation of ATOS (Autonomous Decentralized Transport Operation Control System) on the Musashino Line and Yokosuka Line (Ofuna to Kurihama)