SMARTWAY

ITS Enter the Second Stage
- Smart Mobility for All -
Follow-up on the Proposal

August 2005

Smartway Project Advisory Committee
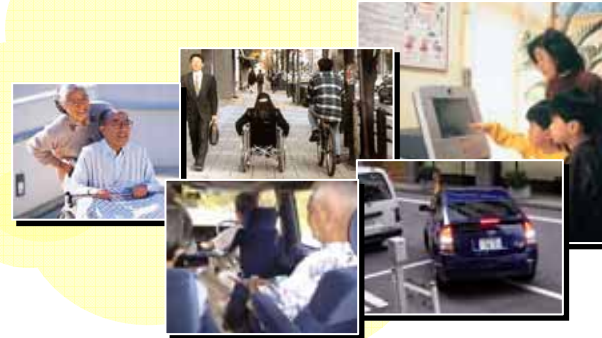
1. Development of smart mobility

1) Goals of Smartway

- The goals of Smartway are to improve the quality of mobility and transportation in order to realize the following four goals.

Reversing the negative legacy of motorization

Ensuring mobility for the elderly

Developing affluent communities and lifestyles

Improving the business climate

1. Development of smart mobility

1) Goals of Smartway

- Through the use and combination of basic services, enabling the realization of diverse services related to "Safety and safe driving", "Affluence and the environment" and "Comfort and convenience".

Benefits of services

(1)Safety and safe driving

(2)Affluence and the environment

(3)Comfort and convenience

Basic services

Vehicular information transmission

-Identifying the vehicle or individual driver and providing services for that vehicle or individual.

Fee payment

-Services to allow cashless payment of various types of fees that may be charged while riding in a car.

Information provision

- Services to provide various types of road traffic information or information on roadside facilities.

Information and warning

- Services that provide drivers with information and warnings to support their driving.

1. Development of smart mobility

2) Providing a variety of services with a single ITS on-board unit

- For the sake of developing various services to meet the goals of Smartway, it is important to establish a common infrastructure instead of using separate, independent systems for each type of service.
- The establishment of an open platform (an infrastructure that can be used in common by many operators, including the private sector) will be promoted.
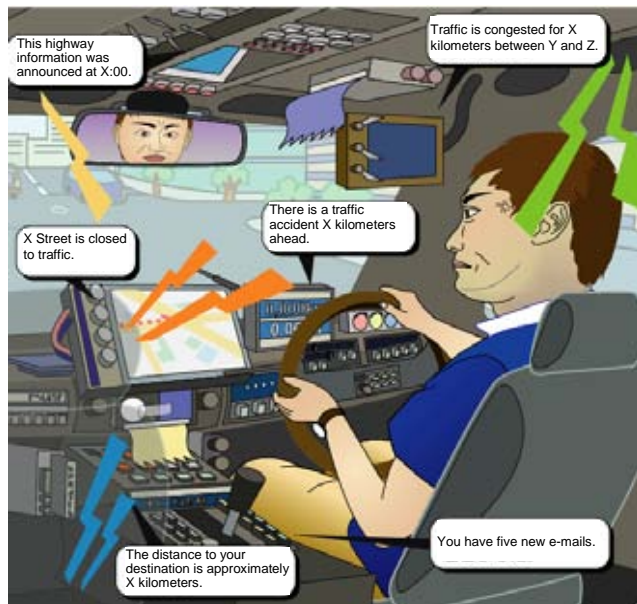
It is not convenient for users if a different device is needed for each application.

Using multiple applications with a single ITS on-board unit

1. Development of smart mobility

3) Providing a strong impetus for all areas of ITS

- The platform will be pioneered through the realization of three road services by 2007.

Timely driving support information

- Instant providing of information while driving, including locations with frequent accidents, detailed road construction information, and notification when approaching a congested section, in order to improve safety.
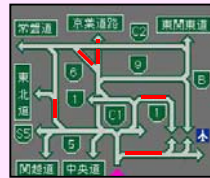
Road traffic information provided using 5.8 GHz VICS.

Regional guides according to location and needs

- Collecting and delivering area road information and regional or tourist information to improve convenience and revitalize the local community.
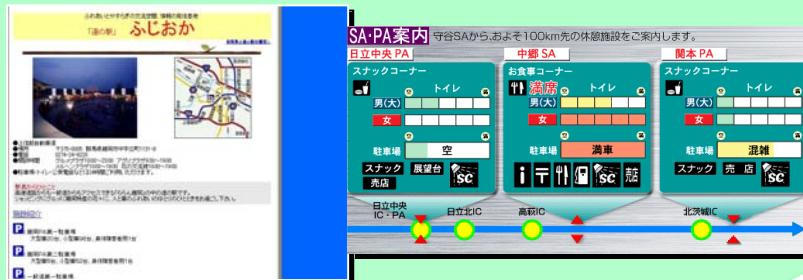
Road and traffic information provided at rest areas, service areas, and parking areas.

Smooth passage through all types of gates

- Enabling smooth passage by means of the cashless payment of parking fees, etc.

Fee payment at public parking facilities.

Entry/exit management at public parking facilities

3) Providing a strong impetus for all areas of ITS

- VICS, ETC, and other ITS services which have been developed separately will also be brought onto the common platform.
- Primed by the ITS services which are to become available in 2007, the promotion of a variety of services in all areas of ITS will be accelerated in order to achieve the four goals.