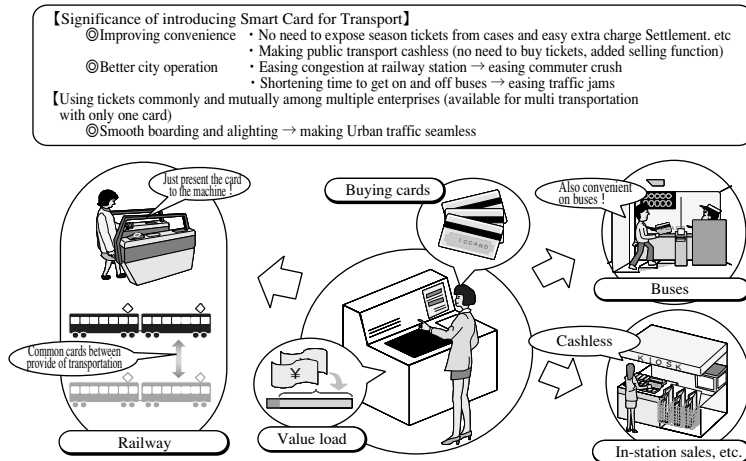


Chapter 8. Promotion of IT Revolution

[Support of construction of high-speed information and communication network etc.]

MLIT has been promoting formation and opening of accommodation space for the formation of optical fiber for administration of facilities such as roads, rivers, ports etc., which include building a nationwide network of information boxes installed under directly administered national roads. MLIT also promotes installation of IT facilities in the field of housing, including IT use in rental housing constructed by the Urban Development Corporation.

107. Promoting spread of smart card tickets



[IT use in public transportation]

○Aiming at convenience for public means of transportation and improvement of service etc., we work on:

- (1) promoting introduction of smart card systems;
- (2) providing digital public traffic information through portable telephones;
- (3) researching and developing systems to support movement-restricted people such as elderly people;
- (4) constructing on-demand traffic systems in areas with little means of transportation; and
- (5) constructing next-generation sea traffic systems and next-generation air security systems utilizing IT.

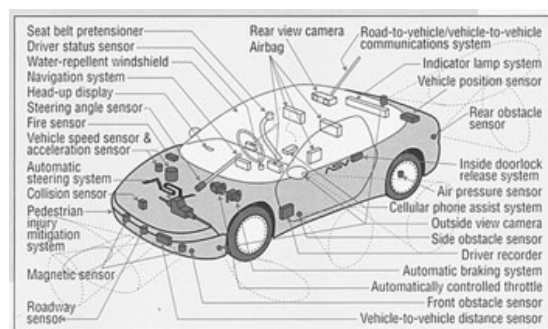
○Promotion of ITS (Intelligent Transport Systems)

In order to construct a unified system of man, road and vehicle as one body using various kinds of IT, the following are being worked on:

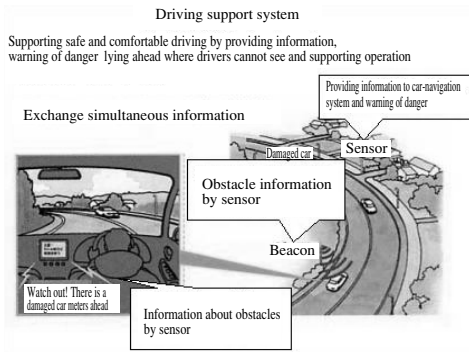
- (1) Promotion of spread of ETC,
- (2) development effective means of providing road traffic information,
- (3) use of ITS in road transportation business,
- (4) promotion of ITS to support pedestrians, and
- (5) introduction of ITS to each region.

In addition, MLIT is promoting technology development concerning ITS such as development and spread of Smart Cruise Systems and Advanced Safety Vehicle and introduction of electronic number plates etc.

108. (Development of Advanced Safety Vehicle (ASV))

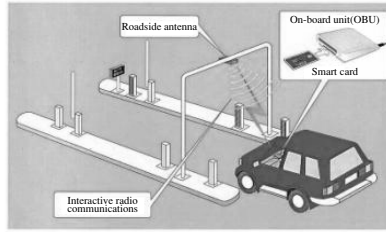


109. (Promotion of ITS)



110. (ETC (Electronic Toll Collection System))

● This is designed to solve and ease congestion at the tollgate, which accounts for 30% of expressway traffic jams, by paying toll without stopping cars.



(Note)ETC:Electronic Toll Collection System

○ Use of IT in disaster prevention

In order to realize advanced administration of public facilities and crisis management by using IT, MLIT is promoting building of an optical fiber network, which is the foundation of high-speed information and communication for disaster prevention-related organization. Suitable maintenance management and efficient use of each facility is promoted in connection with various kinds of information communication systems.

○ Realizing the electronic national land

MLIT is promoting electronization of nationwide basic geographical information in the form of GIS (geographical information system). Next-generation land management network is also being developed, connecting fiberoptics for the use of public facility administration.

[Realization of electronic government]

Electronic forms (electronic application) will be promoted so that citizens can go through formalities such as application and notification via the Internet. MLIT is also working on IT utilization of the procedures of bidding and contract for public works including promotion of CALS / EC (united information system for support of public works).

111. (Development of on-line application and electronic certification systems of MLIT)

Making application and notification procedures on line

