# 2040 Vision for Roads in Japan



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- To shape a better future for people -(Summary)



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To find out more about "2040 Vision for Roads in Japan"

https://www.mlit.go.jp/road/vision/pdf/03.pdf

#### Backgrounds and purpose

**New Normal** Post-Covid-19

Digital (DX)

Disasters and climate change

We propose a vision that creates a Sustainable Society in 2040 and Policy Directions achieved through our road administration.

please visit our website.

#### Basic concept

- "SDGs" and "Society 5.0" aim for a "human-centered society"
- The starting point of road policy is "achieving people's happiness"
- Social issues such as efficiency, safety, and environmental impact of travel
- Full use of digital technology to "evolve" roads and solve problems
- Since ancient times, roads have been a place where people interact, where they chat, and where children play
- "Restore" the function of roads as communication spaces











#### Changing scenery - Five images for the future -

- 1. Rush-hour commuting disappears
- The prevalence of telework dramatically reduces mandatory trips such as job commuting
- to distance from residence to work
- 2. Many people on park-like roads More leisure trips and visits such
- as discretionary travel and
- Roads fulfill their potential as
- 3. Movement of people and goods automated
- Automated driving services make the car-owning lifestyle a thing of
- leads to the increase of small-lot distribution and the spread of
- 4. Cities keep changing as shops keep moving
- In response to customer demand along the roads
- In hilly and mountainous areas, Michi-no-Eki stations and small mobile shops provide services to residents

# Affected" to "Road to

ensure uninterrupted traffic to save lives and restore affected



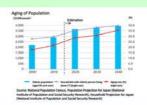


### "Sustainable Society" and "Policy Directions" aimed for by road administrations

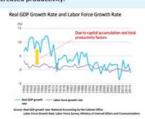
#### <Backgrounds & Issues >

Although the populations of both urban and mountainous areas will decrease in the future, it is necessar nities where residents' lives and livelihoods are sustainable. The goal should be to build a society where, by using new technologies to enhance services, everyone can move around freely without worrying about modes of transport or traffic accidents, where they can interact and participate it





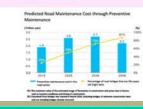
mic growth is essential to enhance the sustainability of society. Economic vitality must be generated by attracting people and goods from abroad to the domestic market, as well as by having Japan actively promote the flow of people and goods overseas. A vibrant society where people and goods are exchanged globally should be built by transforming the services provided by roads and contributing to





Disasters have the power to disrupt the growth path of a nation or region instantly, and it is no exaggeration to say that they are the biggest challenge to Japan's quest for sustainable growth. We should overcome challenges such as vulnerability to disaster, climate change and aging infrastructure, and should aim to build a society where everyone can live safely and securely





## A society where everyone can move, interact and participate in society freely,

#### 1. Road energizes the land, people utilize the road

The arterial roads network across the country and advanced traffic management enable people to live, move and work freely everywhere in Japan

#### 2. Get around conveniently without a privately-owned car

Mobility as a service (MaaS) provides a convenient way for everyone to get around without a privately- owned car

services at Michi-no-Eki stations

#### 3. Zero road accidents

Universal-design roads that allow people and vehicles to share space safely and comfortably, creating a living space free of road accidents

· Roads where pedestrians and cars coexist

# 4. Roads where people want to go

Main streets in towns will be reborn as beautiful spaces that make people want to go and linger, creating lively community spaces



Dedicated paths for automated-driving



Connection and transit hubs for various



Safe and comfortable community road



## "Sustainable Society" and "Policy Directions" aimed for by road administrations

# A society energized by the interaction of people, goods, and services that can be enjoyed around the world

3 A society where everyone can live safely and securely, eliminating vulnerability to disaster and ageing infrastructure

#### 5. Attractive international cities

Road spaces for excellent mobility and public interaction significantly enhance the investment attractiveness as international cities

#### 6. Sustainable logistics systems

Trunk-route haulage by automated-driving trucks, and autonomous and labor-saving logistics through robot delivery etc. in the last mile can function as a sustainable system both

#### 7. Attracting tourists from around the world

The Japan Scenic Byways, National Cycle Routes, and Michi-no-Eki stations, etc., will be tourist destinations for domestic and foreign visitors, and sophisticated services such as multilingual road guidance will improve convenience and satisfaction for international visitors and foreign



that supports MaaS and automated driving



Automated and labor-saving last-mile transportation through robot delivery



through digital devices and smartphone

#### 8. Roads that protect people's lives and property from disasters

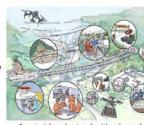
In the face of increasingly severe and widespread disasters, a disaster-resistance road network will ensure uninterrupted flow of people and goods to the affected areas, minimizing loss of life and economic losses

### 9. Low-carbon road transport

Low-carbon road transport systems, comprising the best mix of electric vehicles, fuel cell vehicles, public transport and bicycles, will contribute to curbing global warming

# 10. Extending the life of the road

The road network is operated sustainably through more efficient and sophisticated preventive maintenance due to the introduction of new technologies



disaster resistance



centered on BRT (Bus Rapid Transit) and bicycles, etc.



Automated maintenance tasks such as street cleaning and debris collection

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