# Roads

The Kinki Regional Development Bureau will continue to make concentrated efforts to implement the "Urgent Three-Year Project to Prevent and Mitigate Disasters and Make the Nation More Resilient to Disasters" from both "software" and "hardware" perspectives. With an eye toward the post-project years, our efforts will also be devoted to realizing a safer and more secure society by promoting disaster prevention and mitigation.

#### **Ensuring the Safety and Security of the People**

Securing flows of goods and people in the event of a disaster

#### ODisaster preparedness and earthquake countermeasures

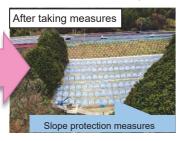
Measures will continue to be taken to ensure disaster and earthquake preparedness by reducing damage caused by disasters and supporting smooth, rapid emergency response activities



National Route 24: Disaster prevention measures in the Koyama area (Gojo City, Nara)
 National Route 26: Earthquake-resistant measures for Kaizuka Elevated Bridge

(Kaizuka City, Osaka







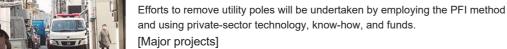
## ORemoval of utility poles

Utility poles are being removed to improve the disaster-preparedness of roads, to ensure a safe and comfortable driving environment, to create better scenery, and to promote sightseeing.

■ Road blockage caused by utility pole collapse



■ Prohibition of road occupancy for new utility poles



OShiga No. 8 common-use cable tunnel (Higashinonami Common-Use Cable Tunnel)

[Using PFI methods to remove utility poles]

■Removal of utility poles (National Route 9 in the Saiin area, Kyoto)

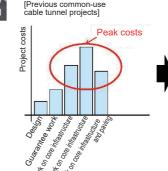


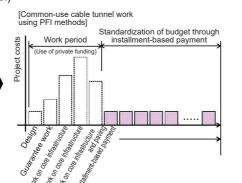
Preventive

maintenance









# Future-oriented work addressing aging infrastructure (Road facilities)

Inspection of road facilities (bridges, tunnels, pavements, slope surfaces, earthwork constructions, road accessories, etc.) to grasp safety continues steadily. Measures against aging by maintenance cycles such as inspections, diagnoses etc. are also promoted.

Further concrete cracking is

prevented by attaching

carbon fibers to the

Follow-up maintenance

Severe cracks in concrete

Conversion

Detection of minor cracks in

concrete through an inspection

[Major projects]

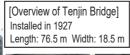
Repair of Tenjin Bridge on National Route 2

Repair of Koesaka Tunnel on National Route 158

o Inspection of Yamatogawa Bridge on National Route 26

[Tenjin Bridge (full view)]







#### Accelerating Efforts to Boost Productivity and Growth Potential

## **Creating a More Affluent and Livable Community**

These projects aim to build a smooth, rapid and highly competitive logistics network by promoting the development of a ring road network in the Kinki region to alleviate traffic congestion. To create a more affluent and livable community in the new era of Reiwa, the projects are also designed to promote the formation of a broader economic and living zone by connecting unique local communities and small sites through a road network.

[Major projects]

- National Route 2, Osaka Wangan Road (western extension: Rokko Island Kita to Komae)
- o National Route 1, Yodogawa-Sagan Line (extension)
- National Route 24, Keinawa Expressway, Yamato Gosho Road
- National Route 483, Kitakinki Toyooka Expressway, Toyooka road (Phase II), Hidaka Toyooka Minami Road
- National Route 158, Chubu Jukan Expressway,
   Ono-Aburazaka Road (Onohigashi to Izumi)
- National Route 42, Kinki Expressway Kisei Line, Susami Kushimoto Road

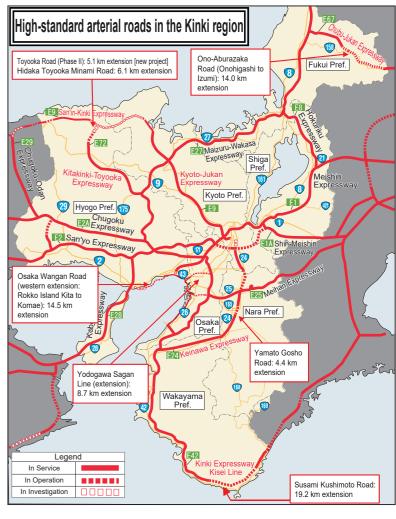
## Implementing a bus terminal creation project

Project to construct a transportation terminal at National Route
 2 Kobe-Sannomiya Station

This project, in collaboration with redeveloped buildings (private-sector businesses), aims to create a new integrated terminal for middle- and long-distance buses, thereby improving the transfer and waiting environment, promoting smooth transportation, and enhancing disaster prevention functions.

## Reinforcing an efficient logistics network

#### Road networks that connect communities and hubs



## —Creation of an integrated middle- and long-distance bus terminal that is connected to six stations—

