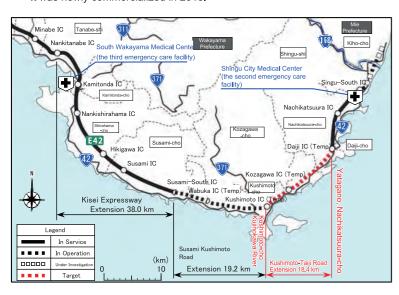
Roads

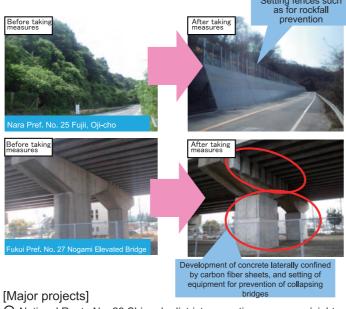
Ensure Safety and Security

Countermeasures against a possible Nankai Trough Earthquake and other disasters and earthquakes

The general National Highway No. 42, Taiji Kushimoto Road, was constructed with an extension of 18.4 km to secure the substitutability at the time of a disaster from Nankai trough giant earthquakes, and improvement of punctuality, quick-deliverability of emergency medical facilities and achieving the promotion of inter-regional exchanges. It was newly commercialized in 2018.



Disaster prevention measures and earthquake disaster countermeasures continue to be implemented to reduce damage at the time of disaster occurrence and to support smooth and prompt emergency activities.



O National Route No. 29 Shimada district prevention measures (sight frontage, Ichinomiya City, Shiso City, Hyogo Prefecture)

O National Route No. 165, Anti-earthquake measures for Shinjo elevated bridge (sight frontage, Bennosho, Katsuragi City to sight frontage, Soone, Yamatotakada City, Nara Prefecture)

Promotion of undergrounding

From the viewpoints of improving disaster prevention of roads, ensuring a safe and comfortable passage space, forming a good landscape, and promoting tourism, etc., undergrounding is promoted. Based on the amendments to the Road Law etc., undergrounding is promoted regarding roads that are important for disaster prevention such as emergency transportation roads. Thus road blockage caused by collapse of utility poles etc. will be prevented.

Past method

Method that adopts a low-cost technique

(An example of small box utilization undergrounding method)





After implementation



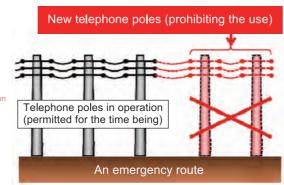
Ensuring safe and comfortable passage ways by eliminating utility poles

■ Introduction of a low-cost technique Such as the shallow undergrounding method and small box willbration undergrounding method. About the emergency transportation road of

- About the emergency transportation road of a direct control national highway, prohibited the private use of new telephone poles (since April 2016)
 Approximately 1.800 km in the Kinki jurisdiction (as of 2016)
- About existing telephone poles, private use is permitted for the time being
- for the time being
 When it is unavoidable*, allows the setting of temporary telephone poles

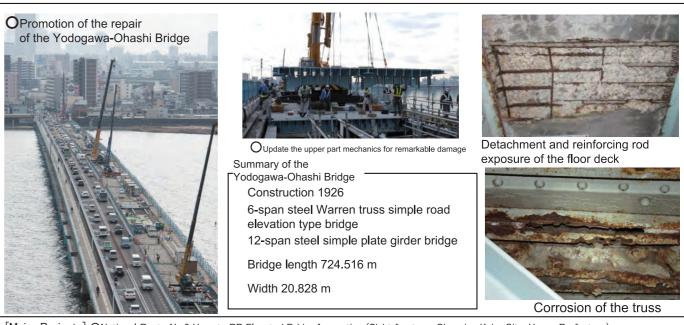
(In principle two years)

* When it is very difficult to secure private land promptly in cases where services such as electricity were newly necessary for housing development



Strategic maintenance and updates for infrastructure aging measures, etc.

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.



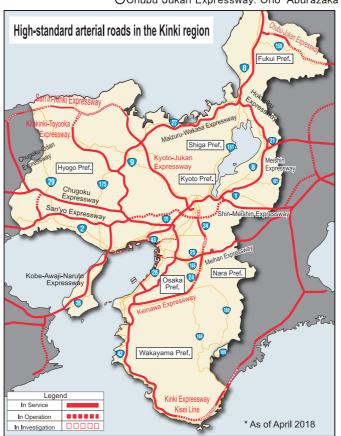
[Major Projects] ONational Route No.2 Hamate BP Elevated Bridge Inspection (Sight frontage, Chuo-ku, Kobe City, Hyogo Prefecture)
ONational Route No.2 Yodogawa Ohashi repair (Sight frontage, Fukushima-ku to Nishiyogdogawa-ku, Osaka City, Osaka Prefecture)
ONational Route No.42 Repair of the Kinokawa Tunnel (Sight frontage, Shingu City, Wakayama Prefecture)

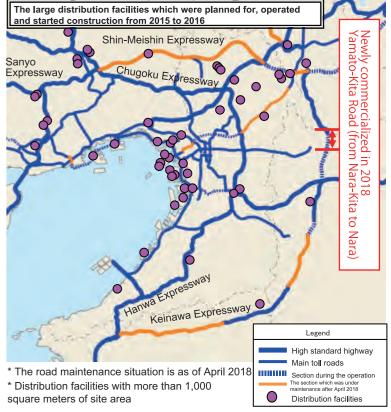
Reinforcement of Growth by Productivity Improvement Promotion of wide area network

To realize prompt and smooth logistics, strengthen international competitiveness, and alleviate traffic jams, etc., the development of ring roads will be promoted.

[Main Project] OKinki Expressway Kisei line Kushimoto-Dajji road

OChubu Jukan Expressway: Ono-Aburazaka road (from Onohigashi to Izumi), etc.





(Source: Japan Location Overview)