

Digiroad – the Finnish road network in a digital format

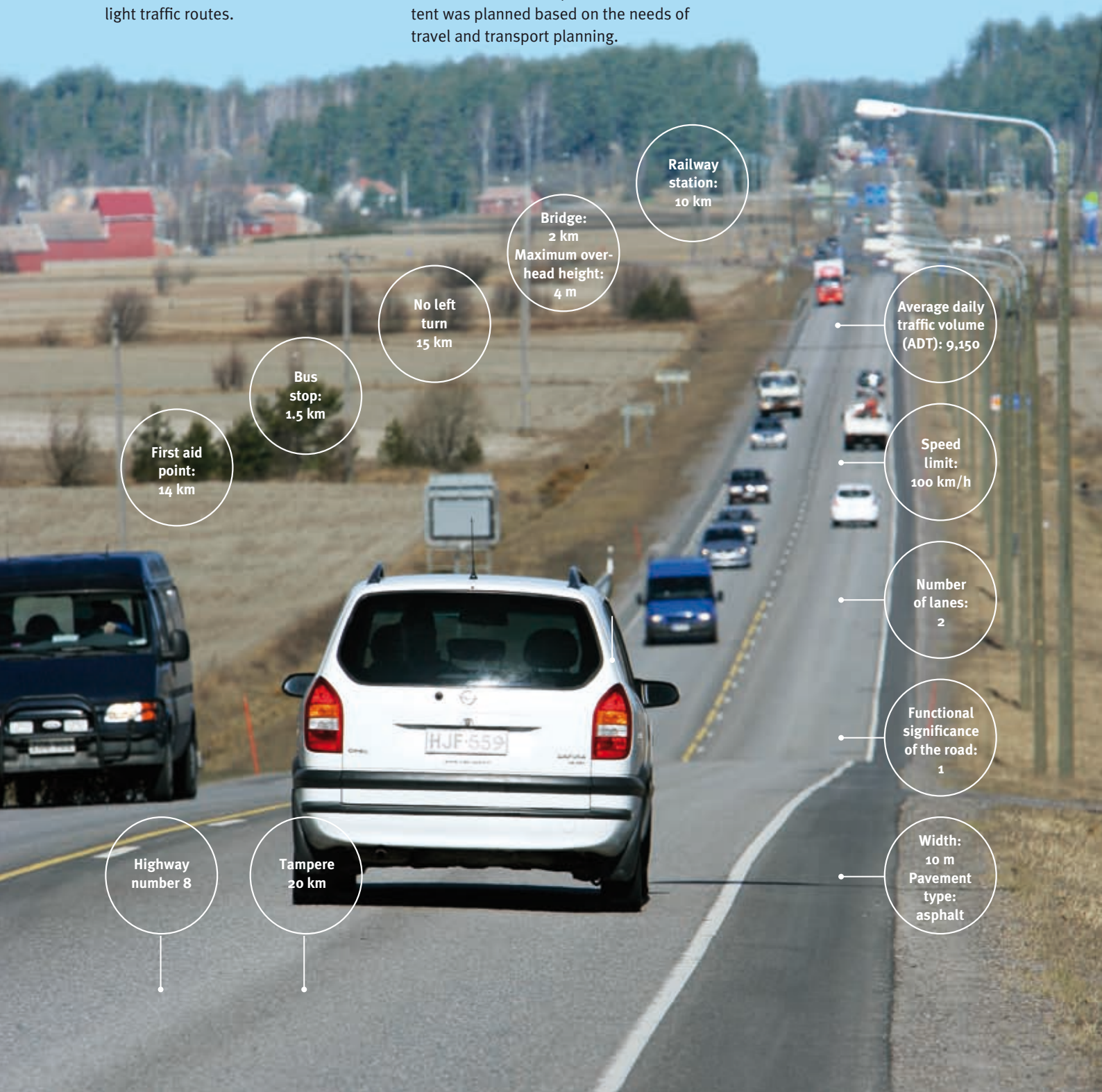


A real-time GIS database

As car navigators and terminal devices become more widespread, the importance of reliable, real-time cartographic data increases.

Digiroad is a national database in which accurate position and attribute data of the Finnish road and street network is comprehensively compiled. Digiroad has the details of 430,000 km of Finnish public roads, streets and private roads as well as information on ferries and light traffic routes.

The benefits of Digiroad include not only comprehensive data, but also the uniform and real-time presentation of information. Digiroad data is maintained by the National Land Survey of Finland, the Finnish Transport Agency and individual municipalities. Data content was planned based on the needs of travel and transport planning.



Highway number 8

Tampere 20 km

First aid point: 14 km

Bus stop: 1.5 km

No left turn 15 km

Bridge: 2 km
Maximum overhead height: 4 m

Railway station: 10 km

Average daily traffic volume (ADT): 9,150

Speed limit: 100 km/h

Number of lanes: 2

Functional significance of the road: 1

Width: 10 m
Pavement type: asphalt



The most comprehensive database for route planning

In addition to road network centreline data, Digiroad contains detailed information on road geometry and attributes, such as road widths, pavement types, speed limits, number of lanes, bridges, underpasses, tunnels and railway level crossings. Digiroad indicates speed limits, driving directions and restrictions on road and street network usage.

Real-time centreline position data combined with road data offers the best available database for such users as businesses developing route planning and navigation services.

Each road and street in Digiroad is categorised in a predefined functional class, which provides the road user with the optimal route.

Digiroad creates opportunities for developing services that support transport and logistics in Finland.





Digiroad opens up a wealth of opportunities

The authorities, carriers and a growing number of mobile service developers are already making use of the Digiroad database in route planning and positioning. Services ensuring the smooth flow of traffic can be developed for goods transport, public transportation and individual road users alike.

Based on a comprehensive database, Digiroad data makes it possible to develop entirely new service solutions. Services using Digiroad database can, for example, be combined with real-time traffic information from the Finnish Transport Agency. This brings new dimensions to services supporting travel, navigation and transport planning.

The Finnish Transport Agency provides real-time information on traffic volume, travel times, traffic flows and road weather conditions. By combining this information with Digiroad data, services can be developed, in which the vehicle navigator identifies congested road sections and traffic incidents and recommends a route that optimises travel time.

Updates four times a year

Updates to the Digiroad database are published four times a year. Subscribers are only charged extraction costs.

For more information about the formats, publication schedule, pricing and subscriptions to the Digiroad database, please visit www.digiroad.fi



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