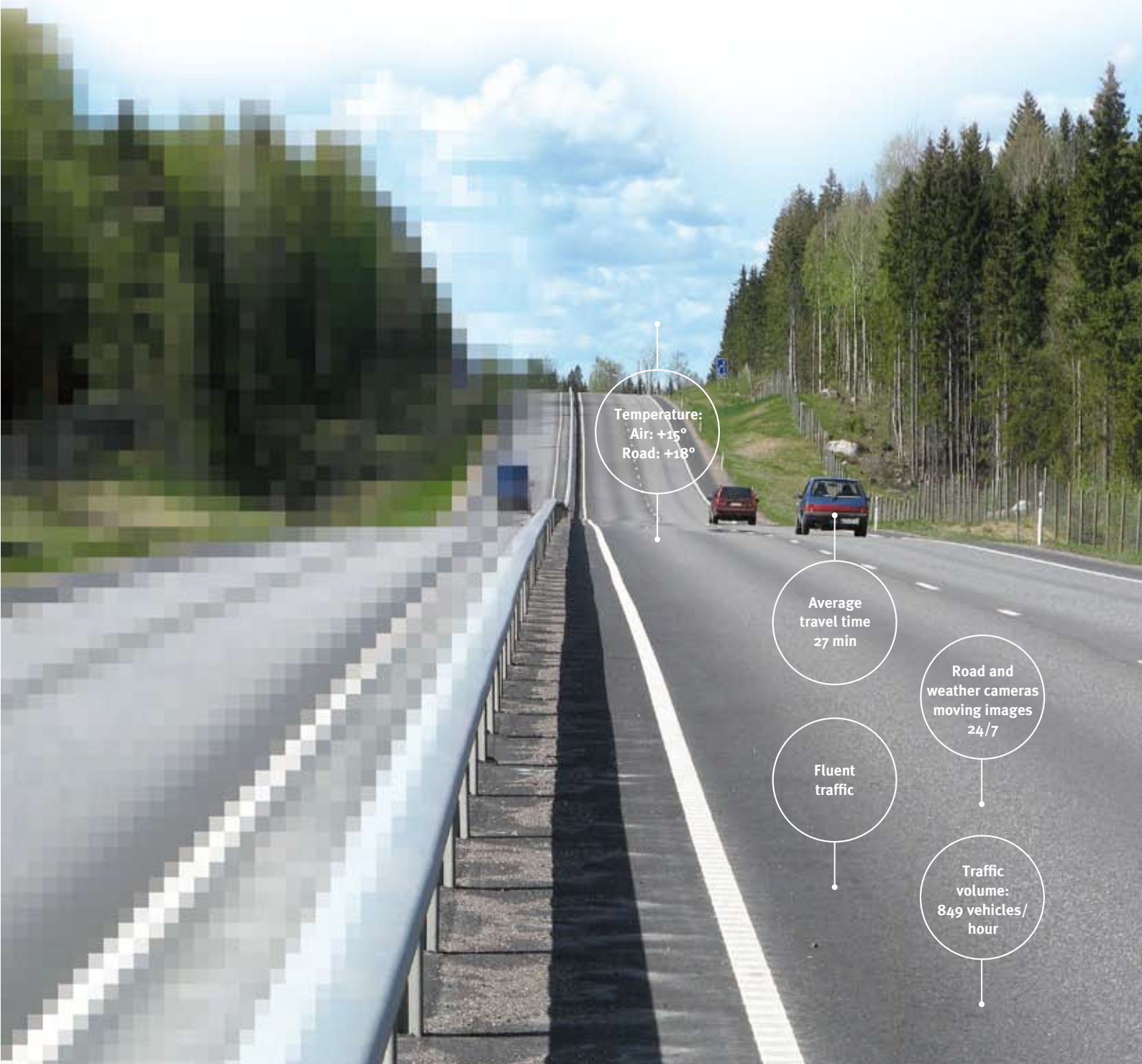


Digitraffic – dynamic traffic and road weather information for service providers



Temperature:
Air: +15°
Road: +18°

Average
travel time
27 min

Fluent
traffic

Road and
weather cameras
moving images
24/7

Traffic
volume:
849 vehicles/
hour



Comprehensive information on the road

The Finnish Road Administration (Finnra) acquires and measures real-time information on traffic volume, travel times, traffic flow and road weather conditions in a variety of ways. Information is gathered using sensors installed in the pavement, roadside weather stations and traffic and road weather cameras.

Measurement of travel times is based on digital video cameras and licence plate recognition. Travel times are monitored constantly in not only the Helsinki metropolitan area, but also on trunk roads and higher-volume sections of roads in larger urban areas, thus encompassing a highway network of over 3,200 kilometres. Real-time information is gathered in a service called Digitraffic.

Dynamic source of information for service providers

Digitraffic offers information service providers free basic real-time information for the development of traffic service applications.

Digitraffic makes it possible to provide services that road users can use to shorten their travel times, avoid congested road sections and enhance driving pleasure. Services optimising the transport of passengers and goods are used to save time, costs and the environment.

Services utilising Digitraffic's database can be bound to specific locations or user-specifically tailored for individual road users, carriers and professional drivers.


Open road to the international market

Finnra offers the free Digitraffic interface to any service provider, but it does not participate in the development of actual end user services. Finnra's contribution to development is made through a private-public partnership (PPP) as a provider of information.

Strong growth in real-time traffic information services is anticipated in the future. Both the domestic and international markets are now open to applications under development.



Combined with Digiroad maps, Digitraffic information allows for services, where the vehicle navigator locates traffic congestion or incidents and recommends the quickest alternative route to the desired destination. Digiroad is the most up-to-date description of the Finnish road network.



Real-time travel time is collected from road sections, which are approximately 3-5 kilometres in length in the larger urban areas and 20-40 kilometres in rural regions. The median travel time is calculated for each segment in five-minute increments and is updated every one minute.

Examples of end user services based on real-time traffic information

Destia Traffic, traffic information service

Destia Traffic provides dynamic, reliable and 24/7 traffic information for a wide range of user groups. The service actively gathers traffic-related information, such as road weather, traffic incidents and traffic flow, from numerous different sources. Information is collected in the Traffic Information Platform (TIP) around the clock. Before traffic information is passed on to customers or partner services, the information is verified by operators working in the Traffic Information Centre. Traffic information can also be sent to, for example, navigators, online services and mobile applications.

*Further information:
www.destiatraffic.fi*

Infotripla Oy, LiikenneNyt.fi service

The LiikenneNyt.fi service is a traffic information service portal, which contains a comprehensive line-up of online traffic services in a user-friendly “one-stop shop”. The first such portal is for the Tampere region. The user can personalise traffic information, specifying desired routes, public transport routes and stops, and personal smart travel cards, as a sort of customer loyalty scheme for traffic services. Information is available for all modes of transportation. LiikenneNyt.fi is a multichannel service entity, which is available as an online and mobile service, and traffic flow information can also be selected as part of other service entities.

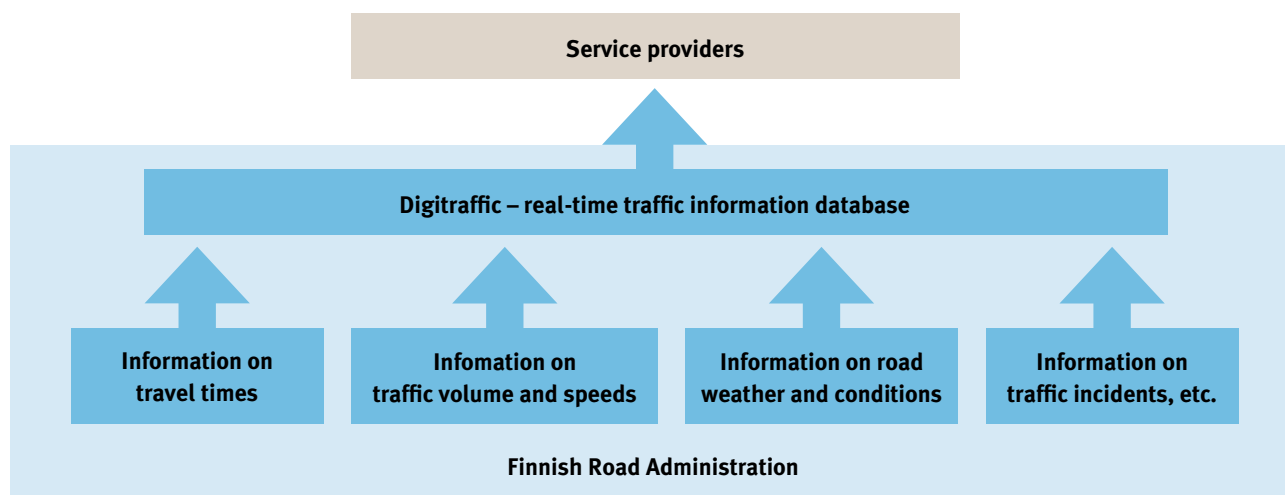


Digitraffic – free real-time information

Join us in developing future services for safer and more efficient traffic management.

Information service providers can retrieve the following information, among others, via the Digitraffic interface:

- real-time, measured travel times of road sections, updated every minute (five minute median)
- average speeds and service level descriptions of road sections measured in real-time updated every minute
- all travel times measured for each road section during the past 24-hour period; average speeds and flow rates updated at least once a day
- average and daily minute-specific travel times for all road sections during the preceding 12 weeks updated at least once every 24 hours
- real-time measurement data from Automatic Traffic Count Stations (ATC)
- real-time measurement data from roadside weather stations (2009)
- valid incident messages (2009)
- live traffic camera images (2009)



Further information:

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www.tiehallinto.fi/digitraffic
www.tiehallinto.fi

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