



Asociación Argentina  
de Carreteras



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## “URBAN MOBILITY, ROADS NETWORK OPERATION AND ITS APPLICATIONS”

### Road Conditions Service for Finnish Main Road Network

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Finland is Western Europe's fifth largest country with population 5,4 million. Finland is sparse populated country and there live 15,8 inhabitants per km<sup>2</sup>. Climate in Finland has great contrasts; cold winters and warm summers. At the end of 2012 there were about 3,0 million passenger cars in Finland when amount of all automobiles is 3,6 million. Total amount of highways in Finland is 78 109 km in which just about 1,0 % are motorways. The length of the whole road network in Finland is 454 000 km.



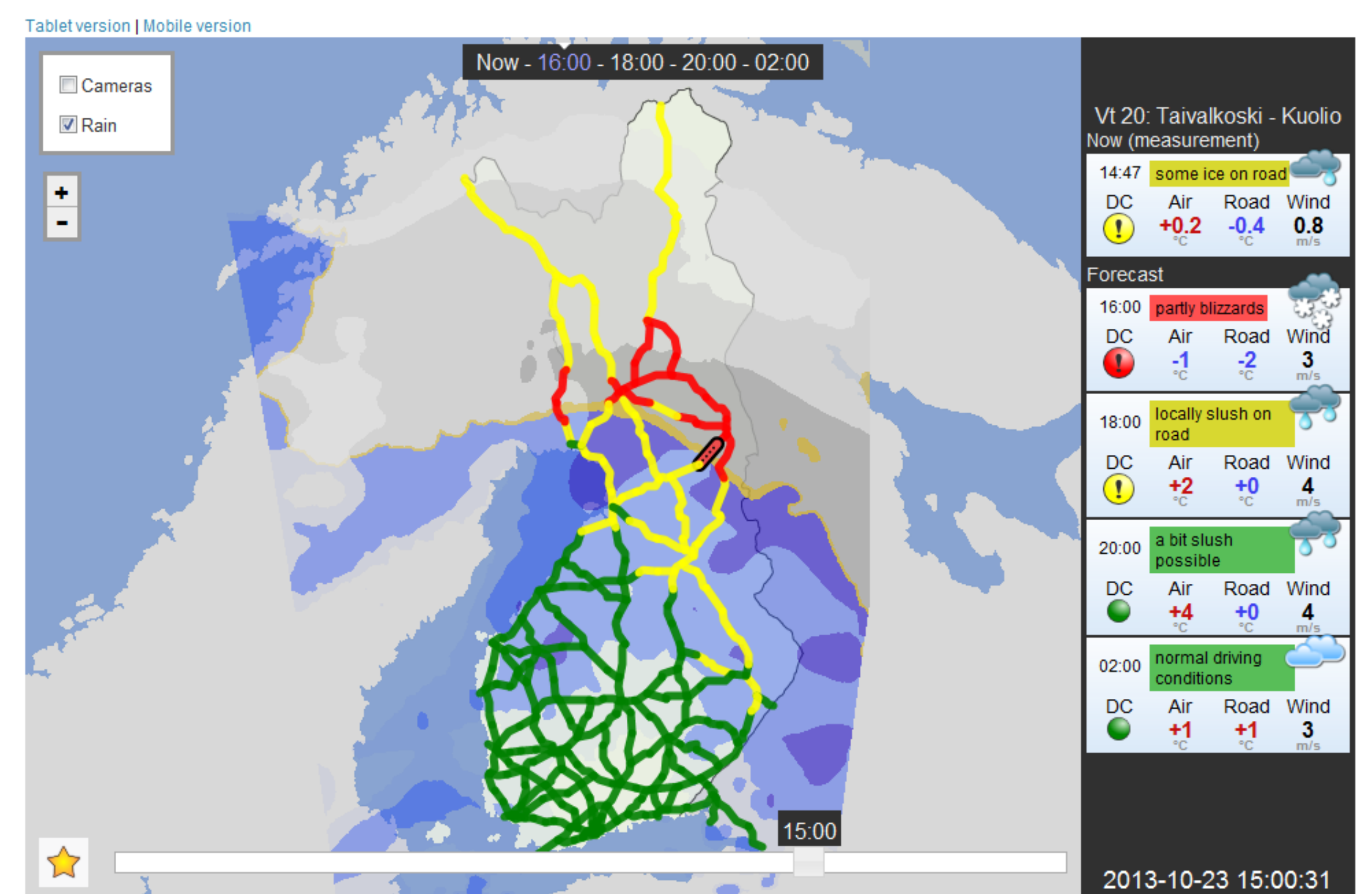
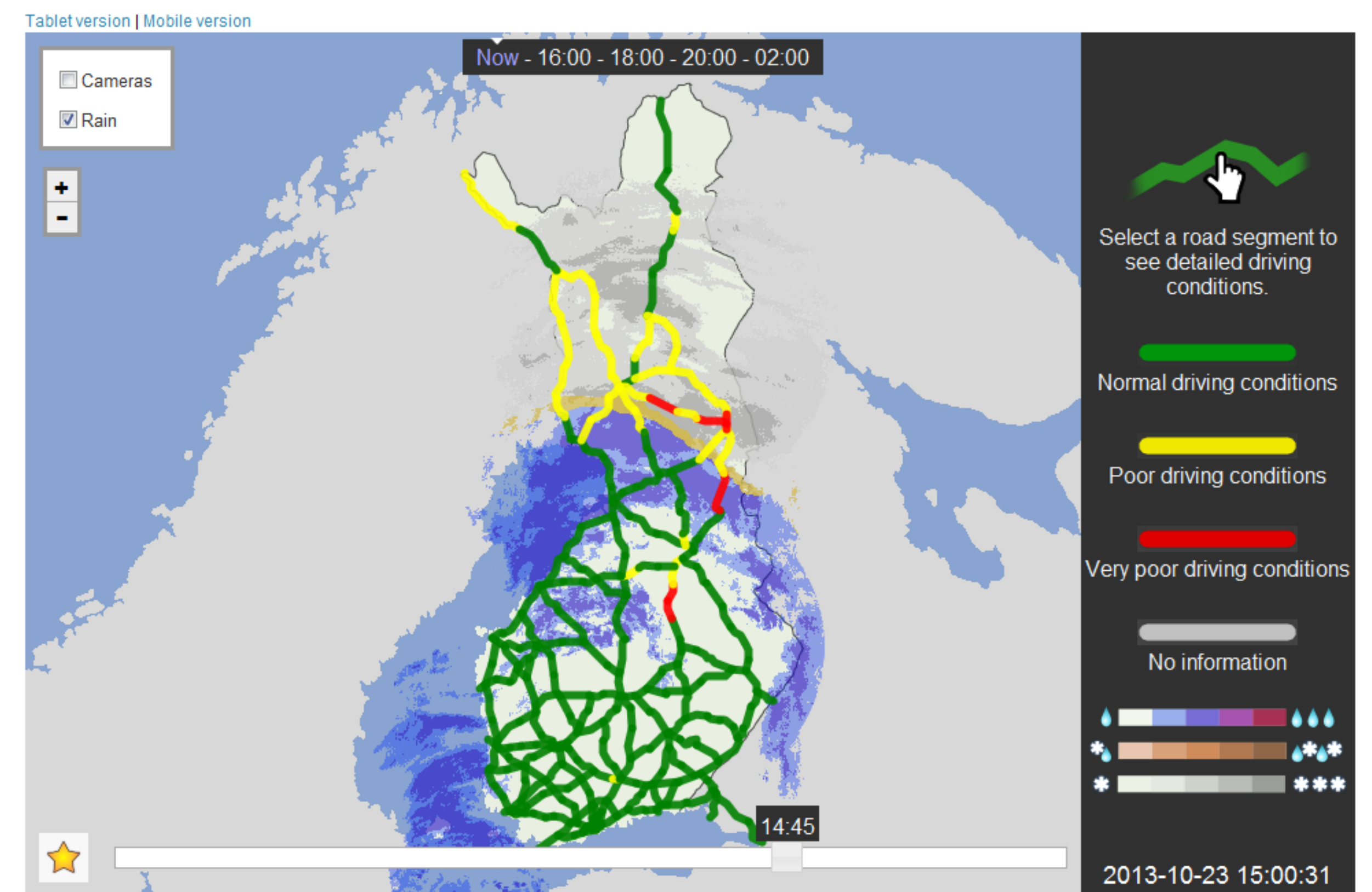
Road Conditions Service is produced automatically for road section of Finnish main road network and route from Southeast Finland to St. Petersburg in Russia. The service includes real-time situation of road conditions but also forecasts for next 2, 4, 6 and 12 hours. The service is available during wintertime from mid-September to mid-May. Road conditions information for road sections improve traffic safety and preparation for winter maintenance.

Road Conditions Service is based on data from road weather stations, general weather information, weather radar information and weather forecasts. With these source information and road conditions model, the service produce information about current and forecasted road conditions.

Road conditions information, road weather information and weather radar information provide a general view of road conditions for road users. With this information drivers can prepare themselves beforehand for possible problems caused by road conditions during the trip. Road Conditions Service is useful for professionals too. Road traffic management centres use the service for traffic information service. Road conditions centres for road maintenance use the information when supervising winter maintenance activities like ploughing and antiskid treatment.

The service has three interfaces: personal computer, tablets and smart phones. The service is available in three languages: Finnish, Swedish and English. Internet address of the service is

<http://www2.liikennevirasto.fi/alk/english/keliennuste/>.



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