DIGITALES TESTFELD AUTOBAHN

Field of Intelligent Infrastructure

Status: June 2021

Strategic Routing

Initial Situation / Motivation

Traffic guidance strategies of public authorities are not available for customary navigation systems. However, they are of considerable benefit to road users from a road safety perspective.

Measure Goal

In order to prevent road users from being informed only by means of traffic control installations about changing signposts and states of variable traffic signs, the notifications should also be available in digital form for the automotive industry and for private service providers of navigation and driver assistance systems via the mobility data marketplace (MDM).

Measure Implementation

As part of the measure "Strategic Routing", the notifications of the traffic control systems (speed limits, traffic jam warnings, restrictions on overtaking, emergency lane clearance, restricted visibility, etc.) and the traffic control strategies of the public authorities have been provided digitally. Furthermore, it was planned to display the state of the variable traffic signs of traffic control installations directly in the vehicle. Latency measurements also were part of the project.

Source: AUDI

Current Status

During the pilot project, the necessary database was put into operation. A final report and the scientific evaluation are available. Several service providers retrieve the data from the MDM. The extension to the entire Bavarian motorway network and the transfer of the system to regular operation is currently in preparation. Completion of the entire system is planned for 2022/23.

Locations

Route control:
Operating kilometre 386.1 to 359.1:
A9 AD Nuremburg-Feucht to AS Schnaittach

Operating kilometre 526.5 to 472.7
A9 AS Munich-Freimann to AS Langenbruck

Network influence:
A92 AS Freising Süd to A9 AS Fröttmaning over A9 or A92/ A99.

Source: Bavarian Street Information System (BAYSIS)

Contact: Federal Highway Research Institute; Email: DTA-infrastruktur@bast.de

The Digital Motorway Test Bed is operated by the Federal Ministry of Transport and Digital Infrastructure (BMVI), by the Free State of Bavaria, by the German Association of the Automotive Industry (VDA) and by the German Federal Association for Information Technology, Telecommunications and New Media (Bitkom).