Smart corridor Tallinn-Tartu-Luhamaa-Riga E263/E77 (SMART E263/E77)

Programme Priority: P3 Well-connected region

Programme Specific Objective: 3.1. Improved transport flows of people and goods

Sub-programme: Central Baltic

Duration: 01.06.2020 - 30.11.2022

Total funding: 2.597.243 EUR

ERDF funding: 2.103.767 EUR ERDF

Project Summary:

The E263 (2) and E77(A2) are connecting roads to the Russian border and Pskov (RU) and both have 2+2 motorway sections with very high traffic density near Tallinn and Riga. They are one of most intensively used road sections connecting ports, logistic centres and they connect capitals with Eastern regions. The growing transit truck traffic is seen as a critical player in traffic safety, more truck drivers from the Southern part of Europa are involved with minimal experience of winter driving causing an increasing number of traffic accidents. Smart traffic management solutions create new possibilities to communicate with roadusers to warn them about severe weather risks and to inform them on safe winter driving.

The project "SMART E263/E77" will implement smart dynamic traffic management solutions in close cooperation between Estonian and Latvian national road operators by sharing knowledge and developing new joint approaches. The cooperation with the national traffic management centres will enable pro-active cross-border traffic management.

The Estonian, E263 Tallinn-Tartu-Võru-Luhamaa road will have smart dynamic speed management (up to 110 km/h) in Tallinn-Kose 2+2 section km 6-40 and E263 section between Mäo and Luhamaa will be equipped with warning VMS signs to insure in-site critical road information delivery. In LV, E77 (A2) Riga-Pihkva road 2+2 motorway section from A4 junction to A3 (30 km section) will be equipped with dynamic speed management (up to 110 km/h). The E77 section between the A3 junction to the Estonian border will be equipped with warning VMS signs to assure in-site critical road information delivery.

It is estimated that all measures taken in Estonia and Latvia will save about 2,46 minutes of travel time per vehicle (0,88% up to 5,6% on 2+2 sectons) and will increase traffic safety in Tallinn-Tartu-Riga transport corridor.

Map of Partners

Partners

Lead Partner

Transpordiamet

Country: EE

www.transpordiamet.ee [1]

Partner budget: 1.338.243 EUR

Amount of ERDF funding: 1.083.977 EUR ERDF

Project Partners

Latvijas Republikas Satiksmes ministrija

Country: LV

http://www.sam.gov.lv [2]

Partner budget: 1.259.000 EUR

Amount of ERDF funding: 1.019.790 EUR ERDF

Results

Expected results

Achieved results

Project result in category - Improved transport flow of goods

SMART E263/E77 project modernised traffic management services along the route Tallinn-Tartu-Luhamaa-Riga

The main objectives of the project were to improve traffic flow, to increase traffic safety and to save travel time on the E263/E77 transport corridor from Tallinn via Tartu and Luhamaa in Estonia to Riga in Latvia by implementing smart dynamic traffic management solutions.

Project modernised traffic management services along the route by installing adaptive traffic lights, variable message signs, road weather stations, traffic cameras, etc. All these tools are integrated in one traffic management system monitored and operated by Traffic Management Centers allowing timely warning about situations on road and weather responsive traffic management, including dynamic cross border traffic management.

As a result of implemented tools on the E263 and E77 road, the travel time will be saved by 2,46 minutes per vehicle (0,88% up to 5,6% on 2+2 road sections). It also has a positive effect on reducing CO2 emissions.

Important impact of implemented measures is the increased overall traffic safety in Tallinn-Tartu-Võru-Luhama-Riga transport corridor.

Project page in database
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At a glance

- traffic management services modernised and one traffic management system taken into use
- travel time reduced
- travel safety increased

Files
E263-E77 Trafffic Management Plan [4]
Investments [5]
Operation Principles of Dynamic Traffic Management on E263 road [6]
Tags
Transport and mobility [7]

Project Visibility

Other media visibility

Tallinna-Tartu maanteele lisandub veelgi tarka tehnoloogiat (Järva Teataja 2020) [8]

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Links
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