Motorway safety - Slovenia case

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Ljubljana, 4th - 5th December 2018
Agenda

- DARS – Slovenian Motorway Company
- Toll Collection on Slovenian motorways
- Managing our Infrastructure in terms of safety
- Safety measures & Safety preventive actions
- Oriented to the future
DARS - Slovenian Motorway Company

617 km of motorways and express roads, 1,200 bridges, 21 tunnels...

1,250 employees, 450 mio EUR yearly income
A considerable traffic growth in the Republic of Slovenia from 2000 onwards

Main reasons for traffic growth:

- Construction of MW and HW attracts additional traffic flows
- Accession of the RS to the EU in 2004
- Accession of the RS into Schengen in 2007
- Traffic growth in the neighbouring countries
- No alternative traffic connection through Slovenia
Introduction of Toll Sticker (Vignette) for Light Vehicles

OBJECTIVE

- Better traffic flow
- Better traffic safety
Influence of the implemented vignette system (2008) on road fatalities in Slovenia
Electronic toll collection system for heavy vehicles

Phases

- Start 1.4.2018
- Interconnection EETS
- Removal of toll stations - 2 years

Benefits

- Better traffic safety
- Better traffic flow
- Less Pollution, better Environment
- Lower costs for Economy, for our Customers
Managing our infrastructure (PMS, BMS)

Assets Management Systems in DARS

- Pilot Project for Pavement Management System (PMS) in 2002
- PMS - DARS introduced in 2004
- 3 years Infrastructure Reconstruction plan (2016 – 2018)
- Pilot Project for Bridge Management System (BMS) 2017 – 2019
- Implementation of BMS – DARS (1.200 bridges) 2019 - 2021

- All other Assets ....
Reconstruction Plan 2018 - 2021 (Projects)
Detailed inspections of bridge construction and rehabilitation

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Upgrade of the MW with the high focus on safety
Infrastructure safety measures for our Users

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Crash Cushions in Tunnels
Section speed control in 2019/2020
Wrong way driving – new detection system with loops

**Pilot project:**

- 20 detected points
- application for detection driving in the wrong direction
- send this information to the DARS information system
- forwarded in real time to the participants in traffic

DARS MAP-kažipot.si

MAP-promet.si

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New vertical signalization for traffic control on the control points
Infrastructure safety measures for our Employees

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Infrastructure safety measures for our Employees
Safety preventive actions
Safety preventive actions

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1. 300 km of motorway road
2. Cross-border section (AUT, HUN, IT)
3. Hybrid solutions (ETSI ITS G5 and cellular networks)
4. 100 roadside units
5. Demonstration of C-ITS services (day 1 and day 1.5)