

**Traffic safety
in development and maintenance
of national road infrastructure**

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Warsaw, 2016-03-08

Agenda

1. Road Safety Management System
2. Results of operations
3. Reserves of existing system
3. The further action plan



System level road safety management

II. Effective management of:

I. Functional
and safe
national road
network

1. assets

2. traffic

3. safety

III.1. Diagnosis

III.2. Solution

III.3. Evaluation

Main goal

Management
structure and
philosophy

Strategic activities to
achieve the goal

Road safety considered in:



GDDKiA influences the road safety by:

- road infrastructure safety management,
- road maintenance management,
- traffic management,
- emergencies management,
- investments,
- research and development,
- standardisation,
- co-operation with emergency services,
- public communication.

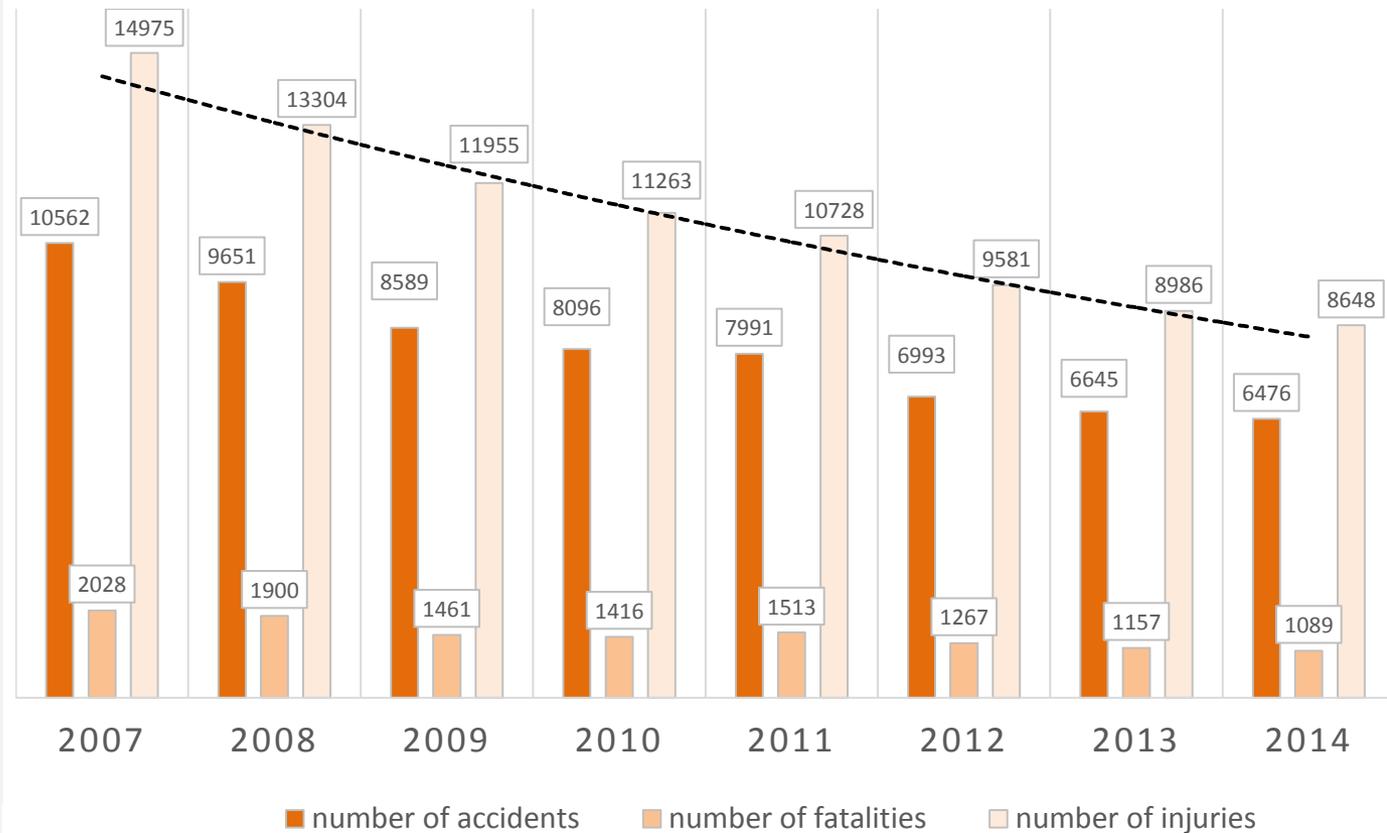


Road safety infrastructure management



Results of operations

Number of accidents, fatalities and injuries in 2007 - 2014:



Road infrastructure safety management system – World Bank recommendations

System approach to road safety –
all components of national road management and road safety
management with direct or indirect influence on road safety

- Result oriented management:
 - Road infrastructure safety should be one of the strategic company goals,
 - Clear safety requirements should be followed by concrete targets and intermediate targets,

- Co-ordination and co-operation:
 - Co-operation with Police, Road Transport Inspection and emergency services,
 - Co-operation with other road administrations or international organisations advanced in road safety management,

- Legislation:
 - Legal framework facilitating road safety investments on existing network,

- Financing:
 - Stable and predictable (at least 3 years ahead) financing of road safety investments on existing network



Road infrastructure safety management system – World Bank recommendations continued



- **Public communication and publicity:**
 - inform national road users about road safety activities
 - new solutions, especially ITS, should be supported by information and education of road users

- **Monitoring and evaluation:**
 - indicators to monitor direct and indirect effects of road safety activities and their efficiency
 - integration and modernisation of databases used for road safety analysis and IT tools for traffic modelling and prediction

- **Research and development, knowledge and good practice transfer:**
 - promoting new research topics contributing to system road safety improvements

The action plan



1. Monitoring and evaluation

- Development of uniform methodology of measuring the effectiveness of implemented investment activities on the existing network,
- Implementation central data base which will include many data such as road traffic, road network or traffic incidents (within National Traffic Management System)

2. Focus on results:

- Take into account road safety aspects in many different process, for example extend of the requirements of „PBC Contract”, necessity of gradual improvement in road safety and calculate it using adequate indicators in this regard

3. Research and development

- Conducting research of factors which have the impact on road safety for example study of the effects of time and weather conditions for road safety elements . As a result of these studies we will receive a methodology includes two groups of tools which improve management of road safety elements. The integral parts will be the evaluation methods of rs measures degradation, methods for estimating the impact of changes in durability and operating conditions of selected elements on the change of the functionality with particular emphasis on road safety and the cost of live of these measures.

Thank you for your attention