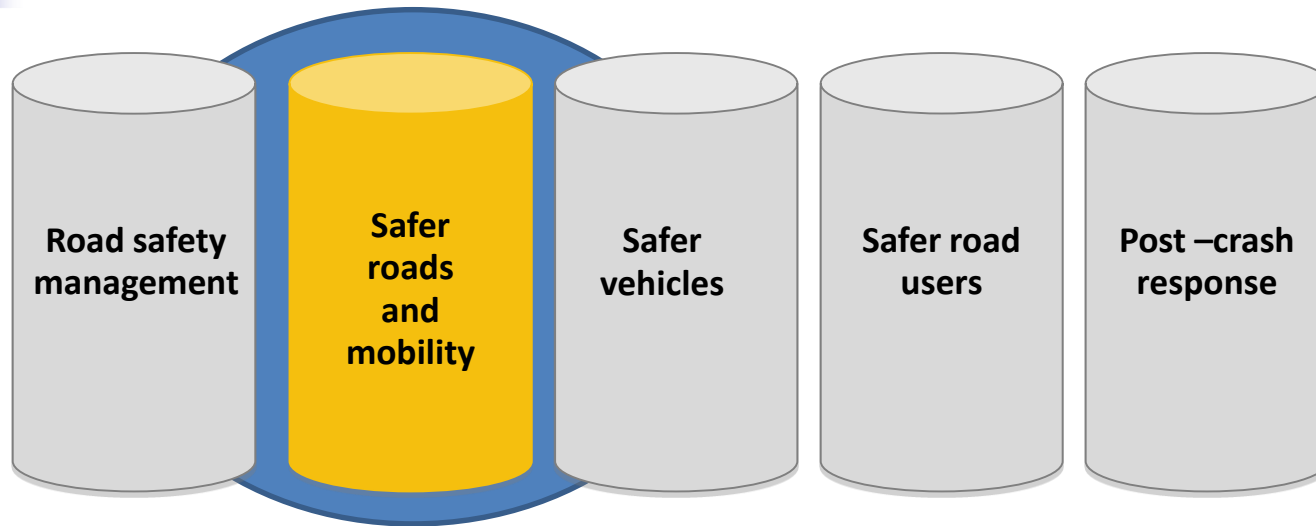


**SAFE ROADS in the  
SAFE SYSTEM APPROACH  
(Case Study)  
- Role of Road Authority  
in Road Safety -**

# Five pillars of the UN Global Plan for Road Safety



## Safer roads and mobility

- ◆ Improve safety-conscious planning, design, construction and operation of roads
- ◆ Assess regularly safety of roads
- ◆ Explore various forms of transport and safe infrastructure



# Global Plan for the Decade of Action for Road Safety 2011-2020



**Safer Roads and mobility** should be focused on Vulnerable Road Users and implemented through various road infrastructure assessments.

- Activity 1 – **Promote road safety** (target to eliminate high risk roads, min 10% budget for safety programs, road authority to be responsible for safety improvements, road safety unit to measure progress, self explaining or forgiving roads)
- Activity 2 – **Promote** needs of all users as **sustainable planning** (safety impact during planning, control process from safety point, etc.)
- Activity 3 – **Promote safe operation, maintenance and infrastructure improvements** (identifying locations, hazardous locations, speed management, work zone safety, etc.)
- Activity 4 – **Promote development of safe new infrastructure** (new technology, needs for all users, RIA, RSA, etc.)
- Activity 5 – **Encourage capacity building** and knowledge transfer (partnership, training and education, RSA, RIA, safe road design, etc.)
- Activity 6 – **Encourage research** (sharing and promoting research, demonstration projects)



# Typical activity of the Road Authority in Road Safety

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- Old approach – passive role
  - Managing of road network (Planning, protection and upgrading of road network)
  - Construction, rehabilitation and maintenance
  - **Road Safety – in the traffic police authority**
  - Accidents – no responsibility to road authority
  - Road safety during design process minimized

Road safety – *consider as obligation of the participants*



# Typical activity of the Road Authority in Road Safety

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**New approach** – active role

## **Road safety is shared responsibility**

- Road authority is responsible for road safety through management, maintenance, design, construction, upgrading, information, etc.
- Different tools **RIA, iRAP, RSA, RSI, BSM, IDS, NSM**
- New IFI approach performance based oriented
- Public awareness
- Legal responsibility



## Road authority Active role in road safety

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- Established road safety department in Road Authority
- Adequate (trained) staff
- Strategical document developed and implemented
- Dedicated funds for road safety projects
- Monitoring / evaluation



# Goals and monitoring process

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- Improved Pedestrian Facilities and Footpaths (**No. km**, No. of at grade crossings, \$, BS eliminated, No. road authority staff working on pedestrian safety, etc.)
- Crash Prevention through Safety Audits and Road Safety Inspections (No. RSA&RSI, \$, **No. km**, **No. trained people**, etc.)
- Crash Reduction at Hazardous Locations (No. BS identified, \$, No. BS program implemented, No. trained people, etc.)
- Minimizing Incidence and Consequences for Run Off the Road Crashes (No. of trainings, No. of engineers educated, etc. )
- Improving Road Safety at Road Works (No. of trainings, No. of engineers educated, etc.)



# **(Serbian Case Study)**

## **- Role of Road Authority in Road Safety**

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### **Road Rehabilitation and Safety Project (RRSP)**

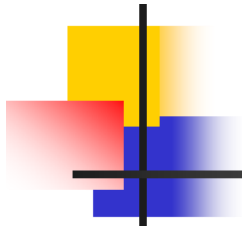
**RRSP is a project of support of international financing institutions (World Bank, European Investment Bank and European Bank for Reconstruction and Development) to the Government of the Republic of Serbia in implementation of the National State Road Network Rehabilitation Program.**

**This Project represents the implementation of the first phase of Government's Program for the period 2014-2019 and covers the following:**

- improvement of condition on state road network by means of rehabilitation of app. 1,100 km of the existing roads;**
- increase of road safety condition through appliance of measures for improvement of road safety in all phases of the Project implementation;**
- strengthening capacity and improvement of institutional coordination in the field of road and traffic safety through implementation of a number of various services.**

**The institution in charge for the Project implementation is the Public Enterprise “Roads of Serbia” (PERS). Within the PERS there is a Project Implementation Team (PIT) responsible for implementation of all necessary activities and actions for successful management and completion of the Project.**





**DLI - Disbursement-Linked Indicators**, three broad categories:

***DLI-1: Road rehabilitation and safety.***

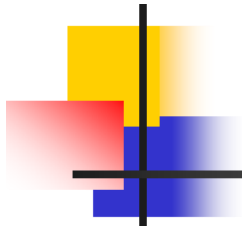
Targets will be met when a predefined number of km is rehabilitated incorporating safety considerations (**RSA on 1100 km and RSI on 1000 km outside of RRSP project**);

***DLI-2: road safety actions.***

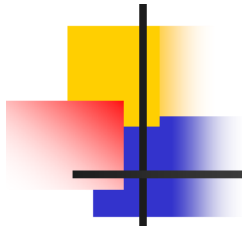
Targets will be met when road safety inspections take place and low cost safety measures implemented, when **awareness campaigns** are completed and **road safety auditors trained**;

***DLI-3: modernizing maintenance practices.***

Targets will be met when the updated rehabilitation and maintenance design standards are adopted; a strategic plan for PBMC is developed, tender documents prepared and issued, training conducted, and contracts signed.



- **Road Safety is recognized as key role in the whole project...**
- Key implementation goal for the project is decreasing of number of accidents on the rehabilitation sections...
- **One of the PDO (Project development Objectives) is decreasing of the number of accidents by 10% on the end of the project on the rehabilitation sections...**
- Mean goal – no one should be killed in traffic on the RRSP Work Construction...
- Different DLI's are connected to the Road Safety
  - RSI 1000km
  - RSA Auditor certification
  - Campaign in the schools in vicinity of the rehabilitation
  - ...



- Preparation of the ToR
    - Diagnostic phase
  - Design phase
    - RSA
  - Works construction
    - RSA in the phase 4 (RSI),
    - Traffic Management Plan,
    - Work Zone Safety
    - Campaigns,
  - Evaluation after Work Construction
    - Reporting number of accidents on the Constructed sections
  - Institutional Strengthening
    - RSA auditors
    - Campaigns
    - Awareness's in the Rehabilitation process
- +
- RSI on 1000 km of roads outside of RRSP Project

# Example of the Terms of Reference for Road Safety Inspection

PUBLIC ENTERPRISE "ROADS OF SERBIA"  
Bulevar kralja Aleksandra 282  
11 000 Belgrade, Serbia

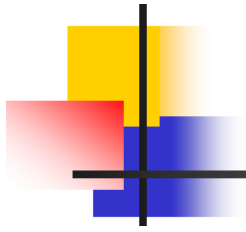


ROAD REHABILITATION AND SAFETY PROJECT

**Road Safety Inspection (RSI) on roads out of RRSP**

RRSP/CS2-RSI/2015-09

REQUEST FOR PROPOSALS  
**Section 7. Terms of Reference**



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**Thank you for your attention!**