



*Ministry of Infrastructure  
Government of the Republic of Serbia*

***DONOR SECTORAL MEETING  
MINISTRY OF INFRASTRUCTURE  
REPUBLIC OF SERBIA***

*18<sup>th</sup> September 2007*

*Ministry of Finance, Belgrade*



*Ministry of Infrastructure  
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**INTRODUCTION**

- Introductory welcome by Mr. Miodrag Jovic, State Secretary, MoI
- Serbian transport policy
- Projects identified for international assistance in the 2007
- ISDACON data base – detailed description of projects  
<http://www.evropa.sr.gov.yu/> → **Project proposals 2007-2009**
- List of projects in pipeline



**Project proposal: SUPPORTING THE MINISTRY OF INFRASTRUCTURE IN THE FINANCIAL AND PROJECT MANAGEMENT OF INFRASTRUCTURE PROJECTS IN ACCORDANCE WITH EU RULES AND BEST PRACTICE**

**Context:**

- Lack of knowledge and experience in financial and project management of infrastructure projects has been noticed in the previous programming period.
- Capacity building activities in these areas in the MoI are essential for more efficient use of EU pre-accession funds.
- This project aims at supporting MoI for the preparation, contracting, management, implementation, monitoring and evaluation of infrastructure projects.

**Strategic framework:**

- Strategy and policy of transport sector development in Serbia until 2015
- MIPD 2007-2009 for Serbia
- National Strategy of Serbia for the Accession to the EU
- Needs Assessment of the Republic of Serbia for the period 2007-2009
- Action Plan for programming IPA 2008



**Overall objective:**

- Efficient and effective preparation and implementation of infrastructure projects in the Republic of Serbia in accordance with EU rules and best practice

**Specific goals:**

- To enhance absorption capacities for infrastructure projects financed under EU funds and external assistance
- To improve administrative capacities of the MoI in order to ensure efficient and effective process of strategic planning, programming, implementation, evaluation and monitoring, financial management and control of EU external aid and IFIs supported projects
- To develop projects for contracting under the project fiche with finalized project documents, completed feasibility studies, implementation plans and other necessary supporting documentation

**Expected results:**

- Strengthening the administrative capacity of the MoI on project and financial management in accordance with EU procedures, including PCM and LFA, preparation of project documents, financial mechanisms and programming process, project finance, EU public procurement rules, monitoring and evaluation.
- A pipeline of high quality and financially viable projects with supporting project documents, for financing by IFIs developed and ready for successful implementation



**Relevant activities:**

- Relevant training programs to the staff within the MoI shall be provided in order to develop and improve the administrative capacity, especially in the field of:  
*EU external aid and IFIs context, Strategic Planning and Programming, PCM and LFA, Project identification, Preparation of Project Documents, Project Finance, Analysis, Environment Impact Assessment, EU Procurement Rules, Application Forms and Tender Dossiers, Design of contracts to EU standards, Monitoring and Evaluation, Personal skills development to the staff.*
- Establishing and enabling PIU in the MoI in accordance with the Action Plan for IPA 2008 programming
- On-job training on identification of projects in the MoI and preparation of project fiches in line with European Partnership and MIPD, as well as supporting preparation of necessary feasibility studies, environmental impact assessment studies, drafting of tender documentation
- Preparation of the Operation Manual for programming, implementation, evaluation and monitoring, financial management and control of the projects to be funded by IFIs
- Developing the Guidelines for preparation of ToR, Cost Benefit Analysis, Feasibility studies and Environmental Impact Assessment studies for projects in transport sector to be implemented under IPA



**Project proposal: HARMONIZATION WITH ACQUIS COMMUNAUTAIRE  
IN THE FIELD OF TRANSPORT Phase II**

**Context:**

- By signing Stabilization and Association Agreement Serbia will undertake obligation to harmonize its national legislation with EU Acquis Communautaire.
- Since there are a certain number of laws whose alignment is envisaged by the Legal Action Plan to be carried out even after time period of the Project, although the alignment has already been commenced, there is a necessity for the Project to be continued through the second phase.
- The Sector for Harmonization of Policy and Regulations with EU is facing a number of problems since there are not enough trained civil servants for the work of the kind, who have to respond to the need for harmonizing national laws with a great number of EU laws

**Strategic framework:**

- "National Strategy of Serbia for the Accession of Serbia to the European Union"
- "Action Plan for the Approximation of the Government of Serbia legislation with the Acquis"
- Action Plan of the Twinning project



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**General aim:**

- Improving efficiency and effectiveness of the transport system in the Republic of Serbia in line with the principles of sustainable development and harmonization of transport legislation with EU standards.

**Specific aims:**

- Continuing harmonization of laws and alignment of by laws with the purpose of implementation of Acquis
- Capacity building in the Ministry of Infrastructure

**Results:**

- Priority Draft by-laws are completed
- Training of Ministry's employees
- Information management system, communication internal and external system and procedure are implemented



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**Project proposal: INSTITUTIONAL CAPACITY BUILDING OF MoI IN ROAD TRAFFIC SAFETY**

**Context:**

- The Road Traffic Safety situation is poor, from year 1991 till 2006 in the Republic of Serbia 17.908 people were killed and 266.519 injured.
- Responsibilities are not clearly defined which leads to inefficient road safety system.

**STRATEGIC FRAMEWORK:**

- Serbian National Strategy for the Accession of SCG to the EU.
- Strategy of Transport Sector Development in the Republic of Serbia from 2007 till 2015.
- Draft Law on Road Safety.



**Overall objective**

The overall objective of this project is to increase road traffic safety on Serbian roads by institutional capacity building in road safety management.

**RESULTS:**

- Ministry of Infrastructure institutional capacity building in road safety field.
- Enhancing the technical capacity of the Sector for Roads and Road Safety of the Ministry of Infrastructure.
- Road safety legal acts and National Road Traffic Safety Strategy.
- Road safety situation in Republic of Serbia analysis.



**Project proposal: SERBIAN ITS MASTER PLAN (SIMPA)**

Project was submitted for IPA 2007

**Context:**

- Use of ITS on Serbian roads are on low level.
- The use of intelligent transport systems will cut costs, boost energy efficiency and improve safety and security in road transport.
- Number of stakeholders are involved.

**STRATEGIC FRAMEWORK:**

- Serbian National Strategy for the Accession of SCG to the EU.
- Decision on the Principles, Priorities and Conditions Contained in the European Partnership with Serbia-Montenegro including Kosovo.
- Strategy of Transport Sector Development in the Republic of Serbia from 2007 till 2015.
- Law on Public Roads, Draft Law on Road Safety, ...



### **Overall objective**

The overall objective of this project is to increase quality, safety, efficiency and sustainability of Serbian transport system using the information-communication technology.

### **RESULTS:**

- Serbian ITS Master Plan as a key strategic document for ITS deployment on Serbian Roads which will promote efficiency, safety and sustainability of road transport system.
- Legal framework, standards and best practice guidelines which will define application of ITS and development of modern technologies on Serbian roads.
- Institutional capacity building of Roads and Road Safety Sector for implementation of SIMPA. Establishment and development of ITS SRBIJA.



### **Project proposals – PE “Roads of Serbia”**

- Feasibility study for motorway E-761(Pojate-Kraljevo-Preljina-Pozega-BiH border)
- Undeveloped Regions Road Network Development Master Plan
- Twinning Project – National Road Data Base and State Road Network Cadastre
- Regular Tunnel Maintenance Study
- Urgent Measures in order to increase Tunnel Safety – Study
- Impact of frost and salt on concrete (Types of cement mixture Study)
- Design and application of hydro isolation and asphalt layers on bridges Guidelines



**Project proposal: CAPACITY BUILDING IN THE FIELD OF PROFESSIONAL  
COMPETENCE IN ROAD FREIGHT AND PASSENGER TRANSPORT**

***Objectives:***

- To strengthen the capacity in legal and institutional matters
- Harmonisation in line with EU Acquis (Directives 96/26/EC, ammend.by 98/76/EC, 2004/66/EC)
- Development of synergies and relations among stakeholders

***Link:***

- MIPD 2007-2009 for Serbia
- National Strategy of Serbia for the Accession to the EU
- Strategy and policy of transport sector development in Serbia until 2015



***Outcomes:***

- Improvement the institutional and legal framework in the field of professional competence
- Improvement of administrative capacity of the MoI to be prepared for full and effective implementation of provisions
- Guidelines for development of synergies among responsible institutions and stakeholders

***Activities***

- Creating guidelines for organization of examination and accreditation of training centres
- Education and training on the preparation and implementation of provisions concerning the professional competence requirements
- Developing the guidelines for synergy of responsible institutions and stakeholders



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**Project proposal: TEST CENTERS – IMPROVEMENT THE IMPLEMENTATION OF ROADWORTHINESS STANDARDS (REGULATORY FRAME) FOR MOTOR VEHICLES AND THEIR TRAILERS**

***Objectives:***

- Higher level of performance of roadworthiness test through improvement the implementation of roadworthiness standards
- Harmonisation in line with EU Acquis and best practice
- Strengthen the capacity of Road Transport Department to be prepared for full implementation.

***Link:*** MIPD 2007-2009 for Serbia  
National Strategy of Serbia for the Accession to the EU  
Strategy and policy of transport sector development in Serbia until 2015



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***Outcomes:***

- Closely defined provisions (in line with EU Acquis: Directives 96/96/EC, 1999/52/EC)
- System established for monitoring, gathering and data analysis on performed roadworthiness tests
- Administrative capacity of the MoI improved and prepared for implementation of provisions

***Activities:***

- Know-how from implementation partner and EU countries in the field of roadworthiness test
- Creating the guidelines for Test Centres carrying out the roadworthiness tests
- Creating the system for monitoring the performance of Test Centers and delivering report on performed roadworthiness tests
- Education and training on the preparation for effective implementation of roadworthiness test provisions projects in cooperation with Ministry of internal affairs.



**Project proposal: CONTRIBUTION TO THE EFFICIENCY OF OPERATION OF PORT OFFICES, WITH A VIEW TO IMPROVING SAFETY OF THE NAVIGABLE WATERWAYS AND NAVIGATION**

With the realization of this project Port offices could perform their basic activities in a qualitative and efficient way – the supervision of the navigation security of the navigable waterways in the Republic of Serbia.

***Strategic Ground:***

The White Book of the EU; Sector Strategy (Draft Transportation Policy and Strategy in the Republic of Serbia before 2010), Infrastructure and Management

***General Goal:***

Providing conditions for safe and normal functioning of the water traffic by reform of the governmental institutions, modernization of the system and equipment.

***Specific Goals :***

Creating conditions for the reform of the government administration in the area of water traffic, improvement of safety of navigable waterways and navigation, supplying the Port Offices with modern water crafts, more efficient control of domestic and foreign vessels, fast and efficient arrival of port offices' inspectors to the place of accident in the extraordinary situations



***Expected Results:***

-Developed procedure of the reform of the government administration in the area of water traffic, developed operating system

-Worked out model of water traffic development, Port offices equipped with modern water crafts and equipment for normal functioning of water traffic and inspection of navigation and personnel training programmes

-Worked out analysis of government administration functioning in the area of water traffic and operating system functioning

-The justification of the previous studies performances with the specification of Port Offices modernization equipment



## **Project proposal: REMOVAL OF WORLD WAR II SUNKEN VESSELS**

### *Context*

Along the Danube stretch Km 862 till km 857 the presence of the vessels that were sank during the end of the WWII at Prahovo hamper navigation and reduce the fairway width considerably and far beyond the requirements set by the Danube Commission, especially during periods of low discharges. The vessels are a safety hazard for the river traffic both in terms of safety as well as environment After project implementation these will meet the Danube Commission requirements of the Class VII.

### *Strategic framework*

- The White Paper on EU Transport Policy
- EU action programme - “NAIADES”
- The Regional Balkans Infrastructure Study (REBIS)
- The European Partnership document - implementation of the MoU on the Development of the South East Europe Core Regional Transport Network.
- High Level Group - Networks for peace and development
- Multi-annual Indicative Planning Document (MIPD) 2007–2009



### *Overall objective*

To enhance the implementation and development of an efficient inland water way transport system on the Danube (Corridor VII) in Serbia through the implementation of this project and consequently to develop the inland waterway transport in compliance with the principle of sustainable development, in line with regional and EU standards..

### *The specific objectives of the project are:*

- to remove the sunken vessels which create a hazard for navigation on the Danube near Prahovo between km. 862 and km. 857
- Create two lane navigation on the stretch km 862 – 857 during low water conditions.
- to preserve the river from degradation allowing at the same time free navigation

The execution of the proposed works will preserve the river from degradation allowing at the same time free navigation and will take away the main bottleneck for navigation at Prahovo section of the Danube, resulting in safe and efficient navigation conditions



**Project proposals for the forthcoming period:**

1. Construction of Zezelj Bridge at Novi Sad - supervision
2. Revitalisation of Navigation locks at Djerdap I and at Djerdap II - supervision



**Project proposal: FACILITATING INTERMODAL TRANSPORT IN SERBIA**

**Project was submitted for IPA 2007**

The purpose of the project is to:

1. Establish institutional and legal framework for development of intermodal transport
2. To improve the effectiveness and efficiency of the transport system
3. To increase Serbian economic competitiveness and business environment by facilitating logistics transport chains and reducing transport costs

**Link with MIPD** (Component I – „Transition Assistance and Institution Building“):

1. Support Transport Authorities to meet demands of EU legislation; multi-modal transport network and transshipment facilities;
2. The National Transport Strategy prepared and implemented; intermodal transport improved.



## **Project proposal: TRACK SURVEY SYSTEM**

### **Project was submitted for IPA 2007**

#### *Context*

Application of modern track survey system and creation of reference database would create necessary prerequisites for efficient and cost-effective planning of maintenance and investments for rehabilitation of parts of railway infrastructure as well as precise and accurate data required for projects of new railway infrastructure capacities.

#### **Strategic framework:**

- EU White Paper
- EU Documents - starting with Directive 91/440, UIC Railway Plan
- European partnership envisages a continuation of development of a South-Eastern Europe Transport Core Network
- European Agreement on Main International Railway Lines (AGC) and European Agreement on Important International Combined Transport Lines (AGTC)



**General Project objective** is to increase the reliability of railway infrastructure on Pan-European lines, and consequently to improve the conditions in the railway transport sector in Serbia as a part of European railway network.

#### **Specific project objectives:**

- To enable realistic, precise and systematized (usable) data required for management of railway infrastructure reliability and defining of projects;
- To plan maintenance and investments in respect of rehabilitation of parts of railway infrastructure in order to achieve the required reliability and provide the required funds for project implementation;
- To increase traffic safety and reliability levels on Corridor X.

#### **Expected Project outcomes** are:

- To create a reference database for on railway infrastructure condition;
- To create an uniform railway infrastructure information system as an assistance in planning of railway lines maintenance and reconstruction;
- To enhance and equip railway inspection vehicles for track and catenary recording;
- To create conditions for accurate monitoring of train movement along the lines, in time and space.



**Project proposal: EDUCATION OF PE "SERBIAN RAILWAYS" EMPLOYEES FOR SUCCESS ON THE MARKET AND RAIL TRANSPORT EFFICIENCY - COMPETITIVENESS**

***Context:***

The European Transport Policy (2001 Transport White Paper), based on efficiency, productivity and quality, has largely contributed to improvement of railway sector productivity and to stable market share of the railway. With a view to have efficient railway transport and to enter the European integration processes in due time, PE "Serbian Railways" has to develop basic postulates of European Transport Policy, primarily efficiency, as well as productivity and quality. Defining a know-how strategy and education of employees in the field of the success on the market and rail transport efficiency is a very important step in this process.

***Strategic framework:***

EU Documents – Directive 91/440, First, Second and Third Railway Package, UIC Railway Plan

- European partnership,
- Multi-Year Indicative Programme Document
- Memorandum on the Budget and Economic and Fiscal Policy for 2007 with 2008 and 2009 projections



***General objective*** of the project is the improvement of competitiveness, efficiency and success on the market of the rail transport in the Republic of Serbia.

***Specific objectives:***

- Strengthening of management structures and other employees of PE "Serbian Railways", through acquisition of know-how in the fields important to success on the market and to efficiency of rail transport.
- Integration of domestic into international transport flows – realization of priorities defined by the Serbian National Strategy for the Accession of Serbia to the European Union
- Efficient functioning of transport systems – achieving the goal specified in the Memorandum on the Budget and Economic and Fiscal Policy for 2007 with 2008 and 2009 projections
- Improved capacity of PE "Serbian Railways" in the following fields: modern railway systems, market economy, reliability and availability of railway infrastructure capacity, reliability and availability of rolling stock, marketing of freight and passenger services, acquisition of human resources and other supporting functions within the field of human resources



**Project proposal: CONCEPT OF EFFICIENCY IMPROVEMENT OF RAILWAY  
INFRASTRUCTURE MAINTENANCE AND OF HARMONIZATION WITH EUROPEAN  
DIRECTIVES**

**Context**

All railway administrations whereof lines are parts of pan-European Corridor X are obliged to upgrade their capacity to a higher technical-technological level and to provide necessary conditions for reliable utilization of infrastructure capacity by all European operators, i.e. to ensure that the parameters of Serbian line network are compliant to the parameters of European line network.

Necessary reduction of infrastructure costs shall be achieved by machining and automation of maintenance technologies, followed by permanent control measures and maintenance measures, related to diagnostics. In order to allow for fast and low-cost maintenance and to improve the availability, diagnostic systems and automated survey equipment need to be developed. This is particularly important for systems that are essential in safety terms.

**Strategic framework**

EU Documents – Directive 91/440, First, Second and Third Railway Package, UIC Railway Plan European partnership,  
Multi-Year Indicative Programme Document  
European Agreement on Main International Railway Lines (AGC) and European Agreement on Important International Combined Transport Lines (AGTC) and SEECF agreement



**General objective** of the project is the improvement of efficiency and availability of railway infrastructure on railway lines of South-East European main network through modern designing and maintenance of infrastructure.

**Specific objectives:**

1. Reduction of maintenance time and costs
2. Planning of maintenance of railway infrastructure aiming at realization of required reliability and provision of necessary funds for implementing the maintenance
3. Defining of organizational, technical and technological model of railway infrastructure maintenance and creation of reference data base on railway infrastructure condition,
4. Establishment of unique information system of railway infrastructure as a support in planning of maintenance and reconstruction of railway line network
5. Harmonization of regulations, standards and procedures in the field of maintenance of railway infrastructure in line with EU Directives.



**Project proposal: Institutional stabilization and functional transformation of the Directorate for Railways as a regulatory and safety body (implementation of the EU directives)**

**PROJECT AIMS :**

- Improvement of traffic security through application of CSI, CST and CSM;
- Elaboration of an information system in case of railway accidents;
- Elaboration of bylaws, technical regulations and standards;
- Creation of a data base for rolling stock on the railway network of Serbia (public and private sector);
- Creation of a data base representing the state and functionality of industry tracks and industrial railways;
- Creation of a data base for technical regulations and standards, as well as initiating the creation of a separate segment of Railway standards;
- Definition and elaboration of a group of measures regarding training and education system for the personnel participating in the execution of transport;
- Elaboration of methodology for definition of indirect material damage arose during the accidents (deaths and injuries, compensation for the loss or damage of the property of passengers, staff or third parties - including damages which affect the environment, delays, disturbance and loss of the future income) according to Directive 2004/49).



**EXPECTED RESULTS:**

- Harmonized and organized data base comprising the regulations and standards passed according to the EU Directives from the first and second railway package;
- Elaboration of a legal regulation intended to the creation of a special standardization segment - Railway standards;
- A complete and up to date records of numbers, condition and location of infrastructure and rolling stock on the Serbian railway network (public and private sector);
- A well organized field of industry tracks and industrial railways;
- Created data base of railway regulations and standards according to the target groups;
- Established information system in case of railway accidents and participation evaluation during the investigation;
- Application of CSI, CST, CSM;
- Defined methodology for determination of indirect material damage arose during the accidents.

**legal basis:**

- Feasibility study of EU for Serbia (April 2005);
- ICB (Institutional Capacity Building) project;
- Memorandum of Understanding on the development of the South East Europe Core Regional Transport Network;
- National strategy of the Republic of Serbia for joining the EU (June 2005);



## SOFT PROJECTS

1. Application of Directive 2001/16/EI at PE „Serbian Railways” for achieving interoperability with european railways
2. System for managing of risks in dangerous goods transport, special shipments and video surveillance of the railway stations,
3. Reducing stopping time for border control procedures of the trains at Railway Border crossings
4. Concept for development of railway lines in Serbia



## INFRASTRUCTURE PROJECTS

- Modernisation of the railway line Belgrade – Niš
- Modernisation of the railway lines of Belgrade railway junction
- Modernisation of the railway line (Belgrade) Stara Pazova – Novi Sad – Subotica – Hungarian Border
- Modernisation of the railway line (Belgrade, Batajnica, Stara Pazova) – Golubinci – Šid – Croatian Border
- Modernisation of the railway line Niš – Dimitrovgrad – Bulgarian Border
- Modernisation of the railway line Niš – Preševo – FYROM Border
- Modernisation of the railway line Lapovo – Kraljevo – Lešak – FYROM Border
- Modernisation of the railway line Beograd – Požega – Vrbnica
- Completion of construction of the main railway line Valjevo – Loznica
- Modernization of the railway line Stalać – Kraljevo – Požega
- Modernization of the railway line Smederevo – Mala Krsna
- Modernization of the railway line Pančevo – Zrenjanin – Kikinda
- Modernization of the railway line Mala Krsna – Bor – Zaječar
- Modernization of the railway line Petrovaradin – Beočin
- Railway freight terminal Belgrade (near Belgrade marshaling yard)
- Modernization and purchase of equipment for track maintenance
- Reconstruction of tunnels for UIC-c profile on main railway lines for all combined transport techniques
- Purchase of new EMU's – 40 pieces
- Purchase of new DMU's – 20 pieces
- Purchase of new electric locomotives – 20 pieces
- Purchase of new diesel shunting locomotives – 10 pieces
- Modernization of diesel locomotives series 661 – 20 pieces
- Modernization of diesel locomotives series 642/643 – 30 pieces
- purchase of new freight wagons – 2000 pieces
- Modernization of passenger wagons – 200 pieces
- Purchase of mobile container manipulators – 10 pieces



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**Thank you for your attention**

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