



# IPSA INSTITUT d.o.o. Sarajevo, Bosna i Hercegovina

## WHO WE ARE:

IPSA Institute d.o.o Sarajevo is a private and independent consulting company, established in 1958. For more than 50 years IPSA has been providing high level consulting and engineering services in the fields of transport, water and energy supply, buildings / structures and telecommunications. IPSA's scope of work includes preliminary and final design, master and framework planning, tendering, feasibility, traffic and EIA studies as well as technical assistance and supervision of construction. Today, IPSA has 120 full and part-time employees working in five departments:

- ITES (Research & Study);
- Design;
- Engineering;
- Hydro;
- Energy and Communications.

Since its foundation, IPSA has successfully carried out more than 7500 projects. The institute has more than 25 years of international experience, but in the last 15 years most of its activities were focused on the reconstruction of Bosnia and Herzegovina during the post-war period (including the rehabilitation of roads, railways, bridges, energy sector facilities, water and sewage systems etc).

IPSA is registered as an acceptable company by the World Bank, the European Bank for Reconstruction and Development, the European Commission and the Kuwait Fund. IPSA has successfully established ISO 9001-2000 Quality Management System for feasibility studies, research studies, design and supervising in the sectors of transport infrastructure, civil engineering, water and energy supply.

## COLLABORATION INTERESTS:

IPSA is very interested in participating as a consultant in FP7 and in other international projects.

It is also interested in technical co-operation or joint venture agreement research to fulfill some of the following objectives:

- Sustainable transport development, based on computer aided transport engineering and use of ITS technologies.
- Cost effective transport infrastructure planning, design, management and maintenance.
- Use of the best potentials in inter-modality and sustainable mobility concepts.
- Improvement of poor traffic safety records.
- Promotion of environment friendly transport.

## AREAS FOR R&D COLLABORATION:

- Sustainable mobility.
- Transport policy and strategy enhancement.
- Transport planning.

- Transport economy.
- Traffic safety improvement.
- Intermodal transport development.
- Mitigation of environmental impacts.
- Improvement of urban mobility.

## MAIN ACHIEVEMENTS:

Working on numerous (PHARE, CARDS as well as many other) projects, IPSA successfully cooperated with some of the best consulting companies in the European Union. The main achievements of IPSA are definitely a product of such cooperation, during which experts from the EU have fully demonstrated and transferred their knowledge while implementing big transport infrastructure projects, which enabled IPSA experts to get familiar and to adopt the methodology, tools and procedures developed in EU countries. During this process, IPSA experts realised that there are many places for improvements, mostly related to the application of internationally recognised rules or standards to the local conditions (adjustment was applied where there were no locally adopted rules or standards). That is why experts at IPSA are developing their own methodologies for project assessment (on both pre-feasibility and feasibility levels), road traffic modeling and forecasting, road traffic noise planning etc. The methodologies are based on internationally adopted guidelines and include the use of widely recognised and applied software packages (HCS, HDM, PTV, etc).

## WHAT MAKES US A GOOD PARTNER?

The biggest advantage in comparison to others is IPSA's reference list, showing that the institute's experts have been involved in almost all transport related studies and projects in the country in the last 15 years. Moreover, IPSA's team has successfully cooperated not only with EC and international financial institutions' consultants, but also with numerous international consultancy companies, universities and institutes. As a result, IPSA created an interdisciplinary research team, composed of university professors, engineers and economists who are skilled to develop and provide the best solutions to clients. The team of experience researchers/consultants is proficient in English as well as in using of the best available software for:

- Transport planning.
- Railway and road designing.
- GIS based analysis.
- Civil engineering.
- Traffic noise planning.

## EU PROJECTS:

- Transport Infrastructure Regional Study – Balkans (TIRS)
- Road User Charges Study and Road & Motorway Management Study in PHARE Countries

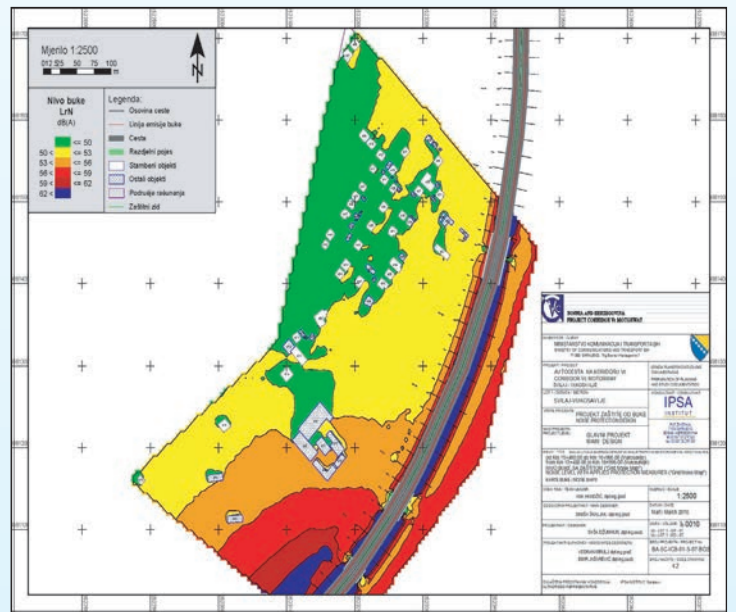
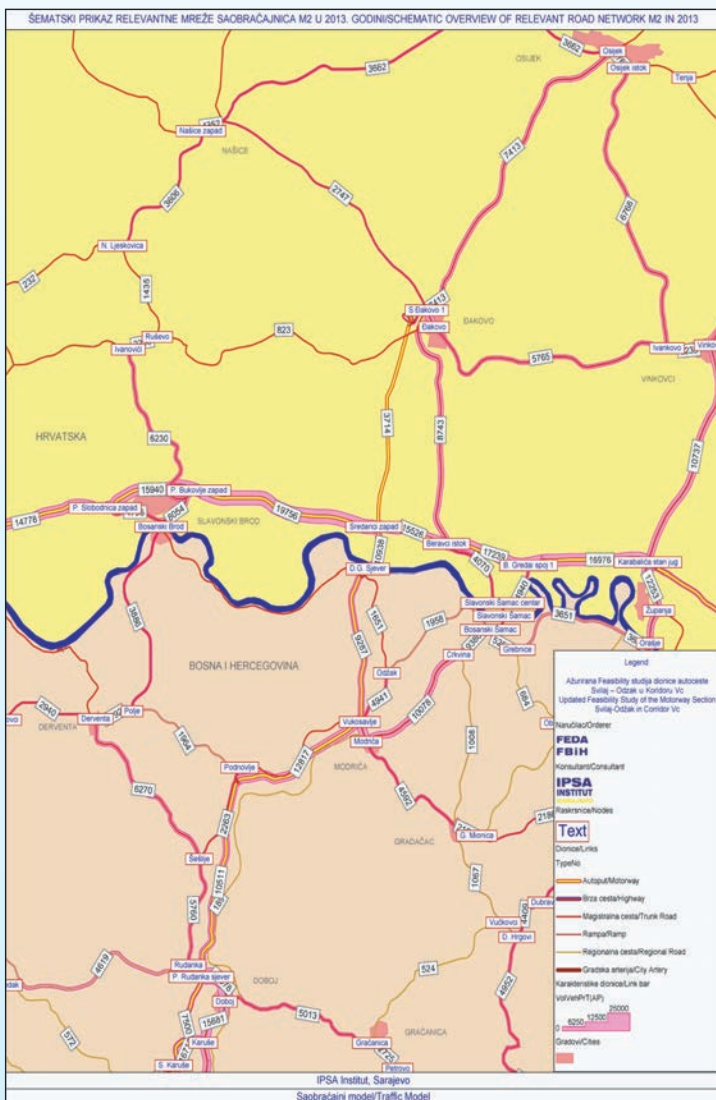


- REBIS – Market Survey of Railways in Bosnia and Herzegovina (BiH) and Pre-feasibility Study of Track Overhaul on Konjic-Mostar Section
- Assistance in preparation of tender documentation and evaluation of tender for selection of best bidder for railway rehabilitation (sections Tuzla – Zvornik, Josavka – Banja Luka and Bradina – Konjic)
- Evaluation of EC-financed Support to Transport in BiH
- Updated Feasibility Study for BiH Motorway in Corridor V-c

**OTHER PROJECTS:**

- The Study on the Transport Master Plan in BiH
- Preliminary documentation for application for EIB/EBRD credit “Rehabilitation and improvement of railway line in Corridor Vc”
- Roads and Railway Sector Investment Needs and Institutional Assessment – BiH
- Market Study for the BiH Railways
- Pilot study for project formation for transport network development in Western Balkans
- Feasibility Study for introduction of “Talgo” trains on BiH railways

Godina/Year	Troškovi agencije za ceste (RAC)/ Road Agency Costs (RAC)			Troškovi korisnika (RUC)/Road User Costs (RUC)						neto Exogeni troškovi/ Net Exogenous Cost	Ukupni troškovi/ Total Transport Cost
	Godina/Year	Godina/Year	Godina/Year	Ukupni (RAC) / Total RAC	Eksploatacijski troškovi vozila/ MT Vehicle Operation	Troškovi vremena putovanja MV/ MT Travel Time	Troškovi vremena putovanja NMV/ NMT Travel Operation	Troškovi udesa/ Accidents	Ukupno RUC/ Total RUC		
2010	0,00	2,00	2,23	4,23	290,49	75,17	0,00	20,18	385,84	0,00	390,07
2011	0,00	2,00	2,23	4,23	306,47	79,05	0,00	21,06	406,58	0,00	410,80
2012	0,00	5,35	2,23	7,58	328,33	84,27	0,00	21,98	434,58	0,00	442,16
2013	0,00	2,26	2,23	4,49	404,78	89,81	0,00	23,32	517,91	0,00	522,40
2014	0,00	10,16	2,23	12,39	449,49	100,53	0,00	24,55	574,57	0,00	586,96
2015	0,00	2,41	2,23	4,64	467,87	107,85	0,00	25,85	601,58	0,00	606,22
2016	0,00	20,85	2,23	23,08	530,02	121,13	0,00	27,66	678,81	0,00	701,89
2017	0,00	17,15	2,23	19,37	573,20	132,99	0,00	29,66	735,85	0,00	755,23
2018	0,00	6,45	2,23	8,68	607,34	145,39	0,00	31,90	784,64	0,00	793,31
2019	0,00	12,71	2,23	14,94	661,74	168,32	0,00	33,54	863,59	0,00	878,53
2020	0,00	7,66	2,23	9,89	681,09	177,91	0,00	35,27	894,28	0,00	904,17
2021	0,00	2,52	2,23	4,75	719,33	189,44	0,00	36,80	945,57	0,00	950,32
2022	0,00	10,22	2,23	12,44	765,00	201,11	0,00	38,40	1.002,52	0,00	1.014,97
2023	0,00	10,62	2,23	12,85	796,11	209,36	0,00	40,08	1.045,55	0,00	1.058,40
2024	0,00	10,99	2,23	13,22	837,31	220,52	0,00	41,84	1.099,67	0,00	1.112,89
2025	0,00	5,71	2,23	7,94	871,78	234,10	0,00	43,69	1.149,56	0,00	1.157,50
2026	0,00	3,78	2,23	6,01	924,13	252,51	0,00	45,34	1.221,98	0,00	1.227,99
2027	0,00	5,48	2,23	7,71	980,45	270,33	0,00	47,10	1.297,88	0,00	1.305,59
2028	0,00	4,25	2,23	6,48	1.047,63	294,36	0,00	48,99	1.390,97	0,00	1.397,45
2029	0,00	3,95	2,23	6,18	1.107,87	309,01	0,00	51,03	1.467,91	0,00	1.474,09
2030	0,00	9,36	2,23	11,58	1.187,22	332,77	0,00	53,29	1.573,28	0,00	1.584,87
2031	0,00	11,86	2,23	14,09	1.212,54	350,16	0,00	54,89	1.617,60	0,00	1.631,68
2032	0,00	13,44	2,23	15,66	1.295,36	388,80	0,00	56,55	1.740,70	0,00	1.756,37
2033	0,00	4,76	2,23	6,99	1.345,52	411,96	0,00	58,22	1.815,70	0,00	1.822,68
2034	0,00	11,05	2,23	13,28	1.428,00	441,31	0,00	59,93	1.929,24	0,00	1.947,52
2035	0,00	7,66	2,23	9,89	1.451,62	456,66	0,00	61,70	1.969,98	0,00	1.979,87
2036	0,00	11,57	2,23	13,80	1.489,37	472,13	0,00	63,35	2.024,85	0,00	2.038,66
2037	0,00	9,17	2,23	11,39	1.535,29	487,82	0,00	65,05	2.088,15	0,00	2.099,54
2038	0,00	19,92	2,23	22,14	1.606,60	515,26	0,00	66,80	2.188,67	0,00	2.210,81
2039	0,00	5,37	2,23	7,60	1.608,24	529,81	0,00	68,61	2.207,37	0,00	2.214,97
2040	0,00	5,64	2,23	7,87	1.694,14	567,19	0,00	70,48	2.331,81	0,00	2.339,68
<b>Total:</b>	<b>0,00</b>	<b>256,32</b>	<b>69,09</b>	<b>325,41</b>	<b>29.203,03</b>	<b>8.417,02</b>	<b>0,00</b>	<b>1.367,13</b>	<b>38.987,18</b>	<b>0,00</b>	<b>39.312,58</b>



**OTHER INFORMATION:**

**Name of the organisation:** IPSA Institut d.o.o Sarajevo  
**Organisation type:** Consulting company  
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