

16th World Road Meeting

4.1 PPP for Urban Road Network

11:00~13:00, May 26, 2010

	Paper #	Title	Authors (*:Speaker)
1	73	The Attica Tollway Operations Authority KPI performance measurement	POLITOU Anna, HALKIA Bill* and TYROGIANNI Helen
2	125	125:Public Private Partnerships for Urban Road Networks by	VISSER Caroline and DEMARRE Michel*
3	167	Road User Charging as the Financing Tool for PPP'S and Concessions.	CZACO Josef A*
4	295	Pulic Involvement for Planning/Design Precess of a Mega Urban Highway Project in Tokyo: Leson Learned	YAJIMA Hiromitsu* and ODAWARA Yuichi
5	510	Real Options to Mitigate Risks in Highway PPPs	LARA GALERA, Antonio Lorenza and SÁNCHEZ SOLIÑO Antonio*
6	572	Motorways and Urban Mobility	HARY Amaud* and MERKEZ Erik

1. No. 73: The Attica Tollway Operations Authority KPI Performance Measurement

Discusses:

1. The effects of Key Performance Indicators (KPIs) to measure the level of service, which was implemented in Attica Tollway a ring road of Athens in Greece;
2. Evaluated Attica Tollway with 35 KPIs covering safety, maintenance, mobility and user satisfaction;
3. A PPP set up to provide high level of service to the users. *It was set up with EU Structural Fund co-financing of the state's financial contribution.

2. No 125: Public Private Partnerships for Urban Road Networks

Discusses:

1. PPP approach to urban road networks, with the case studies undertaken by the IRF;
2. The socio and economic benefits of the PPP approach: financial advantages, technical innovations, travel time savings, emission reductions, better quality of road and better services;
3. Some common issues of relevance to urban road PPP projects: lack of public support, local authorities' lack of experience, contractors' insufficient knowledge to deal with complexity PPP projects.

3. No 167: Road User Charging as the Financing Tool for PPP'S and Concessions

Discusses:

1. Various road infrastructure development funding models (e.g. BLT,BOD,BOL, BOO, BOT, etc.), introducing projects done in several countries;
2. The development of toll roads and modern electronic tolling systems;
3. Management of congestions by a more fair and efficient pricing for the use of roads;
4. New challenges on financing of road infrastructure.

4. No 295: Public Involvement for Planning/Design Process of a Mega Urban Highway Project in Tokyo: Lesson Learned

Discusses:

1. The completion of construction of the Tokyo Ring Road the western part of a 16-km section, which is a solution for traffic congestion in the central Tokyo area;
2. The design of the ring road in consideration of residents' opinion and understanding collected at public hearings and meetings;
3. The successful launch of the ring road construction project due to public understanding and support.

5. No 510: Real Options to Mitigate Risks in Highway PPPs

Discusses:

1. The application of real options theory for valuation of highway concessions in PPP highway projects;
2. The identification and management of risks in the PPP projects: appropriate risk transfer between the public and private sector, increase in the value of money for projects and reduction financial cost;
3. The guarantees of the government for risk mitigation, making PPP projects attractive to investors;
4. Existing or possible real options in projects and reduction in cash-flow volatility and flexibility and better management of concession;

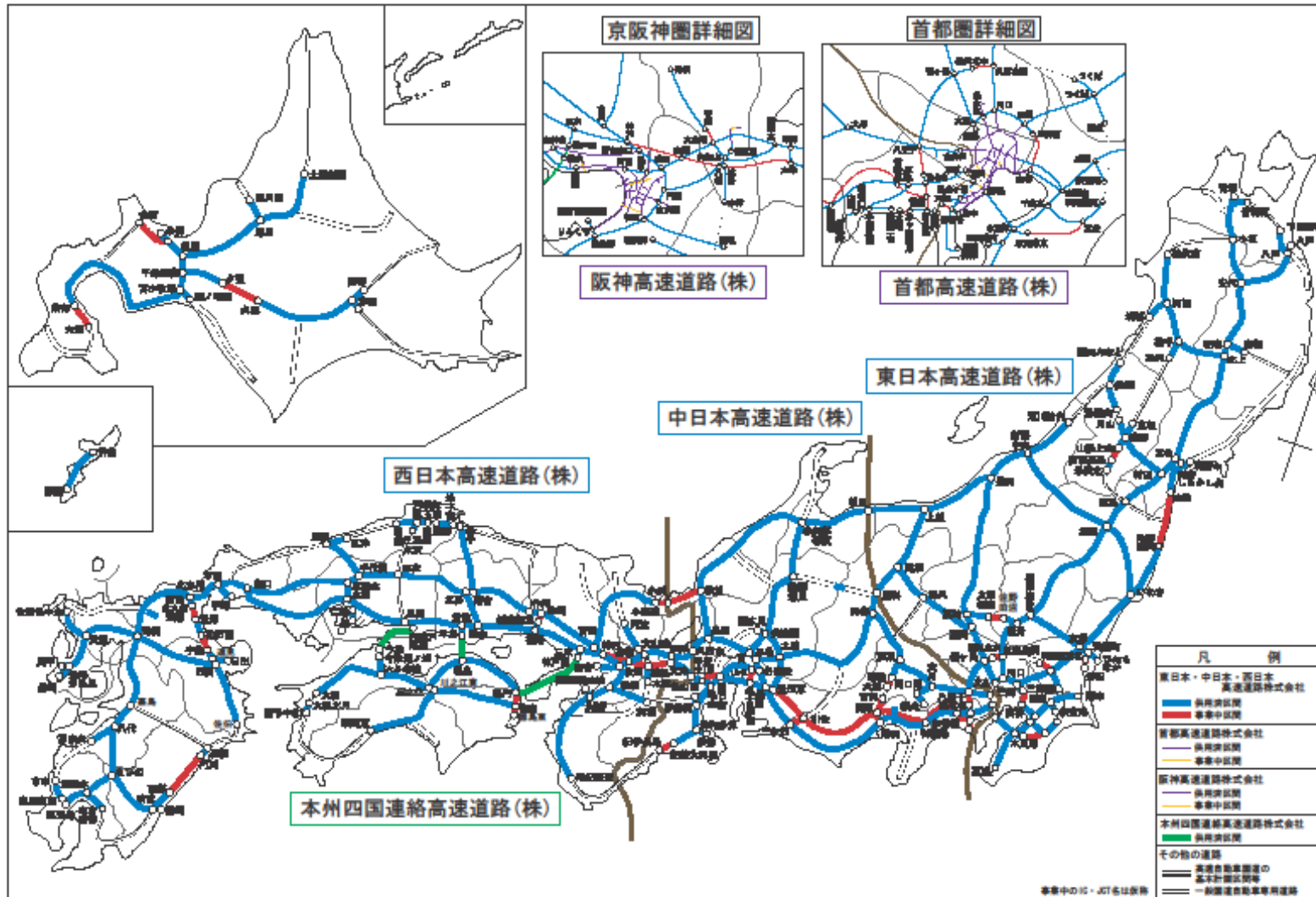
6. No. 572: Motorways and Urban Mobility

discusses:

1. PPP and private finance approach = key drivers in innovation for the improvement of motorways and urban mobility;
2. Positive contributions of the privatized highway companies **sanef** and **sapn** to urban mobility of Paris region;
3. Innovative systems: sharing the road with Bus Rapid Transit, carpooling, free flow tolling, variable toll rates and speed management.

Expressway Network in Japan

Total Length: 7641km (As of 2009.3)



Japan Expressway Holding and Debt Repayment Agency and Five Road Companies

