# 16th World Road Meeting

## 4.1 PPP for Urban Road Network

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

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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.

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

- **Agency**
  - Existing debts
  - New debts
  - Repayment of debts (existing and new)

- **Companies**
  - Debts and other liabilities
  - New construction

- **Highway assets**

- **Leases**
  - Lend Highways