16th IRF World Meeting
Lisbon 2010

Road Financing Policy

President: Peter BASSO (AASHTO)
Moderator: Michael STANCIU (Search Corporation)
Content

- Roadway Infrastructure in Africa
  New Financing and Contracting Models
  Luis PARREIRÃO
  MOTA-ENGIL GROUP, Portugal

- Dynamic tolling strategies
  considering the internalization of
  external costs
  Peter UMMENHOFER
  Kapsch TrafficCom, Austria

- Innovative Project Delivery Models

- Financing highway in Mexico: concessions
  (BOT) and public – private partnerships (PPP)
  aspects, challenges and recommendations
  Graham HOOPER
  Transportation AECOM
  United Arab Emirates
  Luis A. ROCHA-CHIU
  Universidad Autonoma Metropolitana-Azcapotzalco
  México

- Efficiency of alternative tendering
  mechanisms for road public-private
  partnerships
  Antonio SÁNCHEZ SOLIÑO
  Universidad Politécnica de Madrid, Spain

- Public-Private Partnerships in Roads and
  Government Support: Trends in
  Developing Economies
  Cesar QUEIROZ
  World Bank, United States of America

- Road pricing: the case of the Netherlands
  Adnan RAHMAN
  ECORYS, Netherlands
Roadway Infrastructure in Africa
New Financing and Contracting Models

- Premises: Shortfalls of road infrastructure within the African continent. Main reasons.

- Solutions for development and recovery of the African road network

- Major African corridors overview

- Benefits of the investments in infrastructure

- The new financing vision

- The role of the private sector

- Conclusions
Dynamic Tolling Strategies Considering the Internalization of External Costs

- New traffic conditions

- New problems require new solutions. New approaches and concepts for managing traffic effectively

- Dynamically adapting toll tariffs of electronic toll collection systems

- Three case studies will be presented
  - Singapore
  - Stockholm
  - USA

- Conditions for successfully introducing dynamic tolling

- Measures taken at the European level and new legal and political framework
Innovative Project Delivery Models

Definition and presentation of a new concept: Alliance contracting

- Risk/costs/profit sharing – compensation model
- Key Result Area and Key Performance Indicators
- Delivery Value Adds
- Comparison with other types of contracting (Traditional Contract Models, partnerships, joint ventures, cost-plus contracts, performance incentives)

Case Studies:
- AECOM Highway Alliances in Australia
- Lawrence Hargrave Drive Alliance

Examples of other Relationship Contracting Models - Hybrids
Financing Highway in Mexico: Concessions (BOT) and Public – Private Partnerships (PPP) Aspects, Challenges and Recommendations

- Mexico road network overview: facts and figures
- Shortcomings of the Mexican road infrastructure
- The current Mexican road program 2007-2012
- The 1989-1994 Mexican program for highway construction vs. the new concessions model (BOT) and public private partnership model (PPP)
- Conclusions
Efficiency of Alternative Tendering Mechanisms for Road Public-Private Partnerships

- General concerns related to Public-Private-Partnerships
- Analysis of the different procurement procedures to launch road PPP projects
- The non-negotiated procedures (ie. the open procedure) vs. the negotiated procedure
- Public procurement mechanism within the EU
- Empirical evidence on transaction costs in PPPs
- Conclusions
Public-Private Partnerships in Roads and Government Support: Trends in Developing Economies

• The private participation sector in road projects, in countries with transition and developing economies in the recent years

• An overview of private participation in roads

• Recent trends in road projects with private participation

• Impact of the global financial crisis on PPP in infrastructure

• PPP - a must for the developing and transition countries, under the current economic crisis conditions

• How to keep the private sector involved

• Government support and mechanisms to attract private financing

• Conclusions and acknowledgments
Road pricing: the case of the Netherlands

Authors:
Adnan RAHMAN ECORYS Netherlands (main author and speaker)
Johan GILLE ECORYS Nederland BV, Netherlands

- Netherlands’ history in planning the introduction of road pricing
- Current charges for infrastructure use in the Netherlands
- The current government policy on congestion and mobility
- The ABvM platform
  - presentation
  - recommendations
  - variable road pricing alternatives
- Expected impacts of the road pricing on the users
- The benefits of the road pricing, including the environmental aspect as well