

WORKSHOP III: WORKSHOP ON MANAGED MOTORWAYS – A WAY FORWARD FOR THE FUTURE

Wednesday, June 2nd

With climate change on most countries agenda, emission targets being imposed, financial constrains being imposed due to the current global financial situation, and the need to improve performance, there is a growing need to better manage and make better use of the highway assets that authorities control. Limited public funding, increasing construction costs, restricted urban environments, environmental constraints, and continued growth in travel is further limiting the ability of agencies to construct new capacity in congested urban motorways.

Looking to actively manage the cross section and operation of a freeway or motorway is now becoming common place in a number of countries. Managed motorways is a context sensitive solution countries are pursuing to mitigate the detrimental effects of congestion within these corridors while optimizing the investment that has or will be made in the roadway infrastructure. Agencies are using innovative geometric design treatments in an attempt to optimize the utilization of the roadway cross-section in support of actively managing traffic and dynamically using different operational strategies (e.g., speed harmonization, vehicle restrictions (e.g., occupancy, trucks), or, pricing or tolling) to improve the performance of specific lanes or the entire motorway.

This workshop will explore the issues technical, behavioural and political surrounding the introduction of managed motorways on a strategic road network. The workshop will also examine the use of innovative geometric design techniques that are being used in support of these managed motorways.

John Smart and Jon Obenberger, Coordinators

- 9:00 am **Welcome - Opening Instructions**
John Smart, *CIHT, UK*
- 9:05 am **From Freeways to Managed Motorways a generation of change**
Jon Obenberger, *Federal Highway Administration, USA*
- 9:40 am **Critical User Information Needs Related to ATM**
Marcus Brewer, *Texas Transportation Institute, USA*
- 10:15 am **Design considerations and the changes imposed by MM operation**
David Grant, *Highways Agency, UK*
- 10:50 am **Coffee Break**
- 11:05 am **Planning and Implementing a Freeway Management System on Melbourne's M1**
John Cunningham, *Vic Roads, Monash – CityLink, Australia*
- 11:40 am **Developments in safety and performance of managed motorways in the Netherlands**
Aad Wilmlink, *Dutch Ministry of Transportation, Netherlands*
- 12:15 pm **IT and its role as a fundamental element of Managed Motorways**
Matthew Clarke, *ATKINS, Highways and Transportation, UK*
- 12:50 pm **Panel Discussion**
Moderator: John Smart, *CIHT, UK*
All presenters and:
Brian L. Ray, *Kittelson & Associates, Inc., USA*
Aniceto Zaragoza Ramírez, *Universidad Politécnica de Madrid y Presidente de EUPAVE, Spain*
Charlie Howard, *Puget Sound Council of Governments, Seattle, WA, USA*
- 1:30 pm **Adjourn**