

Briefing on the Strategic Plan for the Management, Operations, and Intelligent Transportation Systems (MOITS) Planning Program

Andrew J. Meese, AICP
COG/TPB Staff

Transportation Planning Board
June 16, 2010

Introduction



- The core mission of the MOITS committees is to advise the TPB on transportation management, operations, and technology
- The MOITS Technical Subcommittee also serves as a forum for information exchange on these topics among members

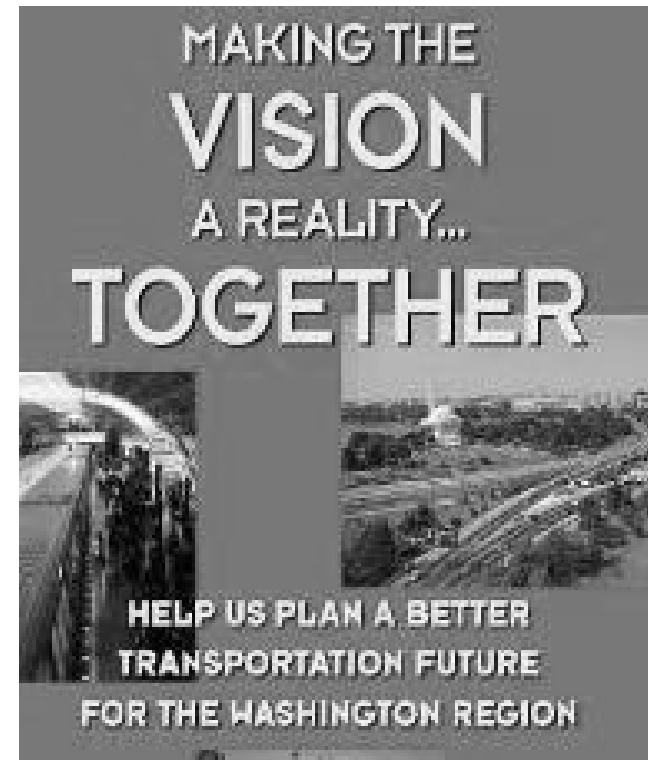
Strategic Plan Development



- MOITS Technical Subcommittee members recommended development of a strategic plan
 - To guide upcoming MOITS activities
 - To provide a list of potential regional projects for future funding opportunities

Goals from the TPB Vision

- Two goals from the TPB Vision (1998), along with their associated objectives and strategies, were the key goals for MOITS
 - Management, performance, maintenance, and safety (Goal 3)
 - Technology to maximize system effectiveness (Goal 4)



Building from the TPB Vision

- The MOITS Strategic Plan builds upon the TPB Vision by identifying four additional “tactical actions”
 - Provide regional situational awareness of transportation system conditions
 - Regionally coordinate operating procedures
 - Inform travelers’ decision-making
 - Integrate systems and processes



Coordination

- MOITS closely coordinates with related regional groups and programs
 - The RESF-1 Emergency Transportation Committee for emergency topics
 - WMATA committees/efforts for transit topics
 - MATOC for day-to-day operations information sharing
- Each group convenes the necessary experts and stakeholders for its tasks



How MOITS-Related Activities Directly Benefit the Public



- **Safety**
 - Reduce the chances of secondary incidents in traffic backups through MATOC and other traffic management programs

- **Reduced delays**
 - Through efficient operations and reduced duration of incidents

How MOITS-Related Activities Directly Benefit the Public



- **Better availability of information**
 - Through better data through the sources the public knows and relies upon, such as radio traffic reports, web sites, and smart phone apps
- **Better quality of information**
 - Questions such as whether to travel, when to start, what mode to take, and what route to take depend rely upon good information about the status of the transportation system

How MOITS-Related Activities Directly Benefit the Public



- **Increased travel options**
 - Technologies and associated operations and management activities enable the public to have more options for travel, such as HOT lanes or priority transit services

Proposed Projects and Strategic Efforts – Unfunded (1 – 5 of 10)

1. Sustain MATOC and its supporting Regional Integrated Transportation Information Systems (RITIS) technologies
2. Upgrade the regional “data warehouse” capabilities of RITIS
3. Enhance RITIS data sharing capabilities
4. Support 3rd party development of trip planning “apps” (software tools)
5. Deploy integrated corridor management technologies (pilot)

Proposed Projects and Strategic Efforts – Unfunded (6 – 10 of 10)

6. Deploy park-and-ride parking availability information system (pilot)
7. Develop special event traffic management plans
8. Develop a regional managed lane facilities (HOV, HOT, ETL) coordination process (e.g. annual summit meetings)
9. Develop a venue and process for coordinating maintenance and construction schedules (e.g., semi-annual meetings)
10. Develop a venue and process for interjurisdictional signal timing coordination

Key Recommendations Identified in the MOITS Strategic Plan



1. Continue MOITS roles in advising the TPB and regional information exchange
2. Strengthen coordination among MOITS, MATOC, RESF-1, and WMATA
3. Strengthen focus on the tactical actions (situational awareness, operating procedures, informing travelers, and systems interoperability) identified in the strategic plan
4. Strengthen MOITS role in developing regional project proposals
5. Encourage best practices
6. Strengthen understanding of MOITS performance measurement and benefit-cost analysis
7. Inform decision makers on the recommendations of the MOITS Strategic Plan, and encourage funding of recommended projects