

Update on MOITS Strategic Plan Development

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**MOITS Technical Subcommittee
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Steps and Time Line

- Spring 2008: Initiation of MOITS Strategic Plan development
- June 10: MOITS review and endorsement of general approach and time line
- July 8: MOITS Technical Subcommittee workshop identified major focus areas for the strategic plan
 - Exercise based on National ITS Architecture “Market Packages”
 - Narrowed from 91 potential areas to 9
- September 9: MOITS discussion of preliminary first draft plan
- October 7: Updated target date for finalization of pre-inventory plan
- Conduct strategic inventory October/November
- December (date TBD): MOITS review of inventory results
- December 31: Target date for finalized strategic plan (including input from inventory)

July 8 Recommendations for MOITS Strategic Areas

- Archive Data Management
 - ITS Virtual Data Warehouse
- Public Transportation
 - Multi-modal Coordination
 - Transit Signal Priority
- Traveler Information
 - Interactive Traveler Information
 - Transportation Operations Data Sharing
- Traffic Management
 - HOV Lane Management
 - Regional Traffic Management
 - Regional Parking Management
- Maintenance and Construction Management
 - Maintenance and Construction Activity Coordination

The Preliminary Draft MOITS Strategic Plan

- First preliminary draft were sent out for review
- MOITS discussions will help guide staff as we flesh out the plan
- Today's discussions will point out highlights

Synopsis of the Draft Plan

- Chapter 1 – Executive Summary
 - To be written

Synopsis of the Draft Plan

(Continued)

- Chapter 2 – OVERALL CONTEXT
 - Introductory comments
- 2.1: Definition and Background of MOITS
 - Overview of MOITS focus on management and operations, and associated information technology

Synopsis of the Draft Plan

(Continued)

- 2.2: National State of the Practice
 - National ITS Architecture
 - Regional Transportation Systems Management and Operations (RTSMO) in Metropolitan Transportation Planning
 - Congestion Management Process

Synopsis of the Draft Plan

(Continued)

- 2.3: Review of State and Local Related Documents and Efforts
 - Maryland and Virginia ITS Architectures
 - More information to be added

Synopsis of the Draft Plan

(Continued)

- 2.4: Strategic Plan Development Process
 - Will describe the process MOITS and staff went through to put the plan together
 - Need to consider to what extent we will include “planned” activities (or just existing activities)

Synopsis of the Draft Plan

(Continued)

- 2.5: Interjurisdictional Collaboration and Systems Integration
 - Describes when it will be advantageous to collaborate on a regional level
 - Abilities to communicate/share data and integrate are key

Synopsis of the Draft Plan

(Continued)

- 2.6: Relationship to TPB Vision, CLRP, and Air Quality Conformity
 - Describes the 1998 TPB Transportation Vision for the region
 - The Vision's Goal 4 is of particular importance to MOITS:
"The Washington Metropolitan region will use the best available technology to maximize system effectiveness"
 - Projects/programs identified in the Strategic Plan would have to be backed demonstrable funding to meet financial constraint regulations
 - The MOITS Strategic Plan will be advisory to the CLRP and overall planning process

Synopsis of the Draft Plan

(Continued)

- 2.7: Relationship to Regional ITS Architecture Development
 - Describes the Metropolitan Washington Regional ITS Architecture (MWRITSA) as the framework for the strategic plan
 - Describes the 91 market packages and selection of the 9 chosen for focus
 - We can add more focus areas (including ones not associated with the National ITS Architecture) if needed
 - More information to be added in this section

Synopsis of the Draft Plan

(Continued)

- Chapter 3: AREAS FOR COLLABORATION
 - This heart of the MOITS Strategic Plan explores the 9 focus areas in detail
 - Background leads to listings of potential strategic MOITS projects or programs
 - Should be finalized over the next few months, including input from the inventory
 - All proposals are strawman staff proposals, open for suggestions, changes, or deletions

Synopsis of the Draft Plan

(Continued)

- 3.1: ITS Virtual Data Warehouse
 - Issues:
 - Complexity of diagrams (true for all focus areas); explanations of diagrams; usefulness
 - Is it all in RITIS, or are there other efforts that need to be considered?
 - Project/Program Idea:
 - Support/enhancement of RITIS for the central role in regional data warehousing

Synopsis of the Draft Plan

(Continued)

- 3.2: Multi-Modal Coordination
 - Issues:
 - Extent to which this is a MATOC or non-MATOC issue
 - Project/Program Ideas:
 - Strengthen MATOC
 - Collaborative improvements to TMCs
 - Collaborative improvements to traffic/transit standard operating procedures (SOPs)
 - Convene multi-disciplinary corridor teams

Synopsis of the Draft Plan

(Continued)

- 3.3: Transit Signal Priority
 - Issues:
 - Technical complexity
 - Ability to reach consensus on policy and technical approach(es)
 - WMATA considerations; local transit agency considerations
 - Project/Program Ideas:
 - Strategic improvements to signal equipment where needed (agency-specific basis)
 - Installation of priority equipment on buses

Synopsis of the Draft Plan

(Continued)

- 3.4: Interactive Traveler Information
 - Issues:
 - With Virginia having established a 511, and Maryland planning to do the same, both on a statewide, freeway-centric basis, the needs of the National Capital Region (arterial roadways, transit) remain a challenge
 - Project/Program Ideas:
 - Establishment of a District of Columbia 511 complementary to the Maryland and Virginia 511s
 - Collaborative effort to improve integration of DC, Maryland, and Virginia 511s

Synopsis of the Draft Plan

(Continued)

- 3.5: Transportation Operations Data Sharing
 - Issues:
 - MATOC and RITIS are central to this activity; are there any non-MATOC / non-RITIS considerations?
 - Transition of RITIS from prototype to funded “production” activity
 - Non-transportation data; non-transportation data customers
 - Project/Program Ideas:
 - Support and enhancement of RITIS for real-time operations data sharing
 - Within-agency work to enable interagency data sharing
 - Transition of RITIS from prototype to “production” activity supported financially and institutionally

Synopsis of the Draft Plan

(Continued)

- 3.6: HOV Lane Management
 - Issues:
 - Need to focus on MOITS-purview technical issues among the many policy and institutional issues
 - Private sector involvement
 - Project/Program Idea:
 - Continued support and enhancement of technical systems to enable full, efficient use of HOV lanes by transit buses

Synopsis of the Draft Plan

(Continued)

- 3.7: Regional Traffic Management
 - Issues:
 - Little history on a multi-agency basis unless for emergencies
 - Signal optimization has been a priority for the TPB
 - Project/Program Ideas:
 - Ongoing regional program for traffic signal optimization
 - Collaborative development of multi-agency traffic and transportation management plans

Synopsis of the Draft Plan

(Continued)

- 3.8: Regional Parking Management
 - Issues:
 - Little history of this on a regional basis here
 - Stakeholders and resources
 - Project/Program Idea:
 - Prototype project on inter-agency sharing of real-time parking information

Synopsis of the Draft Plan

(Continued)

- 3.9: Maintenance and Construction Activity Coordination
 - Issues:
 - Need to enhance agency systems to support regional information sharing
 - Once we have the data regionally, we can proactively coordinate regionally on these issues
 - Project/Program Idea:
 - Regional system to share information on maintenance and construction activity, and facilitate coordination of these activities

Synopsis of the Draft Plan

(Continued)

- 4: OVERALL FINDINGS AND RECOMMENDATIONS
 - To be written.

Next Steps

- Summary of today's discussions
- ITS Architecture Subcommittee to discuss at their September 11 meeting
- Please submit any comments by September 26
- Revised draft plan by October 7
- Inventory conducted in October-November time frame
- MOITS review of inventory in December
- Final plan by December 31