

MOITS Strategic Plan Work Session

**MOITS Technical Subcommittee
July 8, 2008**

Background

- MOITS Technical Subcommittee Chair Amy Tang McElwain suggested reviving previous years' efforts to create a regional MOITS strategic plan
- Such a plan was drafted in 2001 but never finalized
- MOITS recently looked at the outline for the 2001 plan
- In a related effort, staff undertook a survey of MOITS participants

Recommendations – Structure and Content

- Keep the focus on only those limited number of topics that are truly regional and interagency in nature
- Have enough specificity for clear agreement, but not to the level of interfering with individual agency/ jurisdictional prerogatives
- Associate the strategic plan with the regional ITS architecture, but do not make the strategic plan a technically detailed document
- Keep similar outline to 2001, with some ability to clarify structure and content

Recommendations – Steps and Time Line

- Identify what topic areas should be included (update from 2001)
- Identify resources needed
- Once topics are identified, do a strategic MOITS inventory for the region
- Use in-house COG/TPB staff
- Overview document by September 30
- Conduct Inventory October/November
- Finalize strategic plan (including input from inventory) by December 31

Market Packages

- Return to the recommendation to build from the National and Regional ITS Architectures
 - Sets a common framework for topic areas and nomenclature
 - Already has indicators of current and future directions
 - Can emphasize or supplement topic areas as needed
- Use the National ITS Architecture “Market Packages” (Atlanta approach) to initiate the strategic planning effort
- Relevance of Market Packages to MOITS will vary; many can be de-selected

National ITS Architecture Market Package Service Areas

- 91 Market Packages under 8 Service Areas
 - Archive Data Management
 - Public Transportation
 - Traveler Information
 - Traffic Management
 - Vehicle Safety
 - Commercial Vehicle Operations
 - Emergency Management
 - Maintenance and Construction Management

Archive Data Management

- ITS Data Mart
- ITS Data Warehouse
- ITS Virtual Data Warehouse*

*Preliminary recommendation for inclusion in Strategic Plan

Public Transportation

- Transit Vehicle Tracking
- Transit Fixed-Route Operations
- Demand Response Transit Operations
- Transit Fare Collection Management
- Transit Security
- Transit Fleet Management
- Multi-modal Coordination*
- Transit Traveler Information
- Transit Signal Priority*
- Transit Passenger Counting

Traveler Information

- Broadcast Traveler Information
- Interactive Traveler Information*
- Autonomous Route Guidance
- Dynamic Route Guidance
- ISP Based Trip Planning and Route Guidance
- Transportation Operations Data Sharing*
- Yellow Pages and Reservation
- Dynamic Ridesharing
- In Vehicle Signing
- VII Traveler Information

Traffic Management

- Network Surveillance-x
- Traffic Probe Surveillance
- Surface Street Control
- Freeway Control
- HOV Lane Management*
- Traffic Information Dissemination
- Regional Traffic Management*
- Traffic Incident Management System
- Traffic Forecast and Demand Management
- Electronic Toll Collection
- Emissions Monitoring and Management
- Roadside Lighting System Control
- Standard Railroad Grade Crossing
- Advanced Railroad Grade Crossing
- Railroad Operations Coordination
- Parking Facility Management
- Regional Parking Management+
- Reversible Lane Management
- Speed Monitoring
- Drawbridge Management
- Roadway Closure Management

x Removed at Meeting

+ Added at Meeting

Vehicle Safety and Commercial Vehicle Operations (None)

- Driver Safety Monitoring
- Longitudinal Safety Warning
- Lateral Safety Warning
- Intersection Safety Warning
- Pre-Crash Restraint Deployment
- Driver Visibility Improvement
- Advanced Vehicle Longitudinal Control
- Advanced Vehicle Lateral Control
- Intersection Collision Avoidance
- Automated Highway System
- Cooperative Vehicle Safety Systems
- Fleet Administration
- Freight Administration
- Electronic Clearance
- CV Administrative Processes
- International Border Electronic Clearance
- Weigh-In-Motion
- Roadside CVO Safety
- On-board CVO and Freight Safety and Security
- CVO Fleet Maintenance
- HAZMAT Management
- Roadside HAZMAT Security Detection and Mitigation
- CV Driver Security Authentication
- Freight Assignment Tracking

Emergency Management

- Emergency Call-Taking and Dispatch
- Emergency Routing
- Mayday and Alarms Support
- Roadway Service Patrols
- Transportation Infrastructure Protection
- Wide-Area Alert
- Early Warning System
- Disaster Response and Recovery
- Evacuation and Reentry Management
- Disaster Traveler Information

Maintenance and Construction Management

- Maintenance and Construction Vehicle and Equipment Tracking
- Maintenance and Construction Vehicle Maintenance
- Road Weather Data Collection
- Weather Information Processing and Distribution
- Roadway Automated Treatment
- Winter Maintenance
- Roadway Maintenance and Construction
- Work Zone Management
- Work Zone Safety Monitoring
- Maintenance and Construction Activity Coordination*
- Environmental Probe Surveillance
- Infrastructure Monitoring

Potential 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
 - [Network Surveillance] – Removed at Meeting
 - HOV Lane Management*
 - Regional Traffic Management*
 - Regional Parking Management (Added at Meeting)
- Maintenance and Construction Management
 - Maintenance and Construction Activity Coordination*

*Preliminary recommendation for inclusion in Strategic Plan

Inventorying in Support of the Strategic Plan

- Regional, multi-agency activities*
- Major individual agency activities*
- Other individual agency activities

*Preliminary recommendation for inclusion in Strategic Plan

Next Steps

- Summary of today's discussions
- Pre-inventory overview document by September 30
- Inventory conducted in October-November time frame
- Final Strategic Plan by December 31