

DRAFT

MOITS Strategic Plan Emphasis Area Working Discussion

December 8, 2009

ITS Data Warehouse

❖ Current Status

- Many data stores exist within stakeholder agencies (eg UVA collecting VDOT sensor data, traffic .com archive)
- RITIS is the current de facto regional data store
- RITIS collects incident data, sensor data, and transit schedules

❖ Regional Gaps

- Need to increase data coverage
- Need to “standardize” regional data
- Need to incorporate data for significant arterial corridors (eg Wisconsin Ave, Georgia Ave, Rt 1)
- Issue: who will operate the regional ITS Data Warehouse

❖ Strategic Activities/Direction

- Need to turn data store into a regional ITS data warehouse
- Regional ITS Data Warehouse drives multiple applications and activities
- RITIS is the best candidate for evolving to a regional data warehouse

Multi-Modal Coordination

❖ Current Status

- Much information is on agency web sites
- Regional bus subcommittee activities
- Transit schedules are coordinated in non-real time
- AVL is a driving force behind multi-modal coordination
- Question regarding acceptance of the architecture definition by MOITS stakeholders

❖ Regional Gaps

- Need improved coordination among buses and trains
- Different agencies have different data restrictions - Need a common or standard data format
- Public wants end to end trip times not just schedule information
- Need integration of traffic data into transit data

❖ Strategic Activities/Direction

- Want to transform from non-real-time coordination to real-time coordination
- Want to find new uses for AVL data

Trichord, Inc. Want to encourage app development by third parties

Transit Signal Priority

❖ **Current Status**

- Pilot projects have been done eg Rt. 1, Columbia Pike, Georgia avenue
- WMATA TSP planning activities

❖ **Regional Gaps**

- Need a regional consensus on aspects of TSP

❖ **Strategic Activities/Direction**

- Support and coordinate with wmata efforts
- Need to confirm expectations and benefits within the region's operating environment
- Develop an approach once the expectations and benefits are defined

Interactive Traveler Information

❖ **Current Status**

- VA 511 exists, MD 511 underway, DC is exploring options and has strong interest in multi-modal traveler information

❖ **Regional Gaps**

- Improved coordinated data collection, data fusion, and information dissemination
- Need increased sensor/data coverage
- System can be data driven as apps rather than an IVR 511

❖ **Strategic Activities/Direction**

- Explore using RITIS as regional data engine
- Encourage app development by third parties

Transportation Operations Data Sharing

❖ **Current Status**

- Data sharing occurs through RITIS and MATOC
- Data sources include
 - Freeway Information (VDOT, MDSHA, DDOT)
 - Transit information (WMATA)
 - Arterial Information (Montgomery County)

❖ **Regional Gaps**

- Increased coverage required
- Need to make sure that information is getting to the correct people and agencies

❖ **Strategic Activities/Direction**

- Definition of processes and procedures for improved data sharing
- Leverage automated data sharing via RITIS

HOV Lane Management

❖ **Current Status**

- HOV lanes exist in VA and MD
- HOT lanes in VA, ETL in MD
- Plans for BRT
- Current management is done on a per agency basis

❖ **Regional Gaps**

- No current plan for cross jurisdictional HOV lane management or operations
- Traffic will return to normal lanes at end of corridor ie at bridges
- No existing regional plan for using technology and operating procedures to address HOV issues

❖ **Strategic Activities/Direction**

- Determine if MOITS can use technology and operating procedures to address HOV issues on current and planned infrastructure

Regional Traffic Management

❖ **Current Status**

- MATOC provides situational awareness on regional transportation management and operations using agency web sites, police scanners, traffic reports, and RITIS
- TMCs in each state and DC
- Local TMCs for arterials
- Current plans for special events eg July 4

❖ **Regional Gaps**

- Need increased detection and CCTV coverage
- Need regional traffic management plans and procedures for daily operations

❖ **Strategic Activities/Direction**

- Improved procedures to coordinate traffic management regionally

Regional Parking Management

❖ Current Status

- No current regional management
- DC having internal discussions on the topic

❖ Regional Gaps

- No parking data currently available

❖ Strategic Activities/Direction

- Want to look at sharing metro parking information (eg web, VMS, PDAs)
- Want to look at getting private sector parking info

Maintenance & Construction Coordination

❖ **Current Status**

- Coordination is currently done on an ad hoc basis
- Lack of coordination becomes an issue when media scrutiny publicizes it

❖ **Regional Gaps**

- No defined process for regional coordination

❖ **Strategic Activities/Direction**

- Develop process for coordination