Leveraging And Coordinating Information Technology Resources for Transportation

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Florida Department of Transportation

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Coordination Meeting

Manual Updates

Division Leads Present on TSM&O

Institutionalization through Leadership Engagement

• **Enhance** inter-office communication and coordination
• **Develop** TSM&O content for FDOT functional program area manuals and guides
• **Emphasize** TSM&O within formal planning and project development and environment (PD&E) processes
• **Develop** Florida-specific TSM&O guides

**Functional Program Office**

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<th>Policy Planning</th>
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<td>Systems Planning</td>
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<td>Freight, Logistics, Passenger Operations</td>
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<td>Traffic Engineering and Operations</td>
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<td>Transportation Statistics</td>
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Funding

Consider arterials and their O&M

Incorporate IT funding needs

Develop O&M funding concept

Leverage Strategic Planning with funding as focus area
Resource Allocation

Review IT resource needs

Integrate IT into TMCs

TSMO expands into CAV and other areas

Network Specialization needs
# TSMO Strategies and Focus Areas

## Performance Driven TSM&O Strategic Plan

### Plan
- **Plan Framework:**
  - Mission and Vision
  - Performance Measures
  - Objectives
- **Program Needs:**
  - Training, Staffing & Funding
  - Policies, Guides, Standards & Specifications
  - Research
- **Statewide Focus Areas:**
  - Legacy
  - Developmental
  - Emerging

### Implement
- **District & Regional Priorities & Implementation**
  - SunGuide® & Probe Data
  - Central Office Research and Pilot Project

### Measure
- **Safety:**
  - Reduce secondary crash rates
- **Mobility:**
  - Improve travel time reliability
  - Reduce all lanes cleared time
  - Throughput increase
  - Delay reduction
  - ITS/communication networks maintenance:
    - District uptime availability
    - Statewide uptime availability

## TSM&O Priority Focus Areas

1. Mainstreaming
2. Freeway Management
3. Arterial Management
4. Express Lanes
5. Connected Vehicles
6. Information Systems
Role of Technology Information in ITS

- Short life cycle associated with information technology
- Make strategic choices that enable upgrading or replacing aging technology without causing major disruptions TSMO
- Connected communities require strategic planning to ensure that investments produce the desired outcomes
- Investments integrated into the larger planning process
- Planning for operations receives the same consideration as other strategic investments

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<th>Innovation Performance Measures</th>
<th>Pilot Projects</th>
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<td>Optimize Existing Systems</td>
<td>Stakeholder Coordination</td>
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