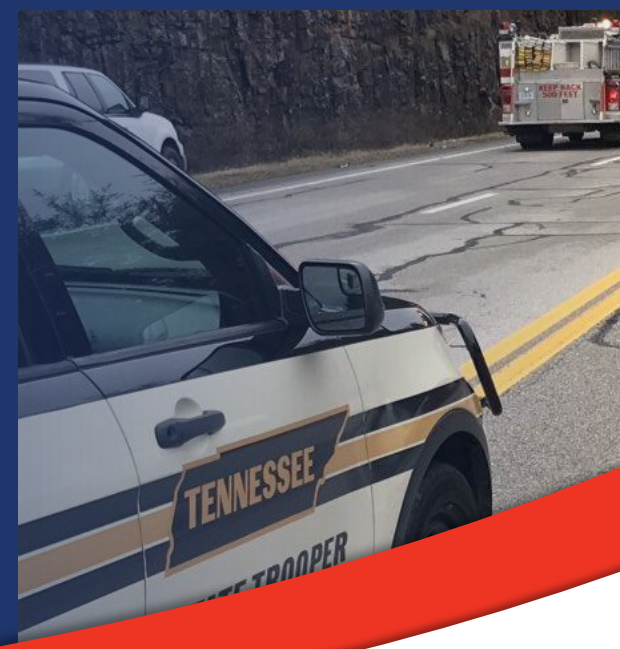




Tennessee Traffic Incident Management Strategic Plan

HSOC Presentation

November 2023



Agenda

- Goal and Purpose
- Background
- TIM Strategic Plan Outline
- TIM Organizational Structure
- Focus Areas
- Timeline and Workshops
- Next Steps



WHY TIM?



185K+
Total Crashes

1,314
Total Fatalities

\$16.3B
Comprehensive Cost ¹
Only for Fatalities

1,692³

Total Secondary
Crashes

17³

Total Fatalities

408.8M²
Vehicle Hours of Delay

\$10.1B²
User Delay Cost

1 Average comprehensive cost for fatal injuries = \$12,474,000; Source: [National Safety Council](#)

2 Source: Tennessee Statewide Travel Demand Model

3 Tennessee Integrated Traffic Analysis Network

TIM Team



**Shared Vision Amongst
ALL Stakeholders:
CLEAR TRAFFIC
INCIDENTS
SAFELY AND
QUICKLY**

TIM Goal



FHWA TIM Goal

- Protect responders and the traveling public
- Reduce delays and associated impacts on travelers
- Reduce the possibility of secondary incidents
- Ensure that response resources tied up at incidents are put back into service quickly

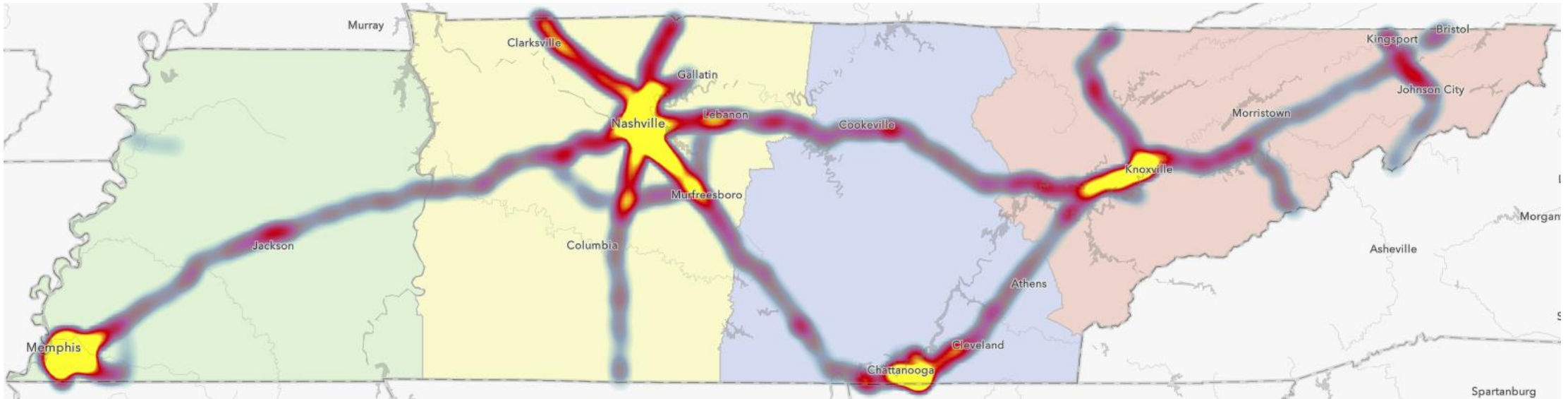
TDOT TIM Goal

- To maintain a strategy and provide a foundation for a cost-effective, statewide program
- Ensure responders are trained in best practice
- Implement safe and effective quick clearance strategies
- Maintain safety for crash investigators
- Restore roadway capacity as quickly as possible
- Rely on state and local partnerships

Local Agency TIM Goal

- Clear and open lanes as quickly and safely as possible

Statewide TIM Strategic Plan



Establish a comprehensive framework by collaborating with multiple agencies and stakeholders to

- Promote TIM Focus Areas
- Identify champions to deliver TIM Action Items
- Implement TIM Action Items within each Focus Area

Background

- 2003 Strategic Plan for Highway Incident Management
 - 10 goals
- TIM experience in Tennessee
 - HELP Service Patrol since 1999
 - TN TIM Training Facility in 2014
- Best practices from other states
- National TIM programs
- Statewide TIM Visioning Workshop




Resources



Nationwide Best Practices



**TIM Partner
Visioning
Workshop**



**Tennessee
Traffic Incident
Management
Strategic Plan**

Strategic Plan Outline

170 ACTIVITIES

50 ACTION ITEMS

6 FOCUS AREAS

STRATEGIC PLAN

RACI Implementation



Statewide TIM Organizational Structure



STATEWIDE TIM STEERING COMMITTEE

The STIMSC makes decisions regarding statewide TIM focus areas, working groups and action items. STIMC members engage their organizational resources to implement TIM recommendations from working groups.

WORKING GROUPS

Focus area-specific working groups collaborate with TIM organizations, regional teams and local teams to complete assigned tasks and make recommendations to the STIMSC.



REGIONAL TIM TEAMS

Regional TIM teams enhance communication between TIM organizations and individual responders regionally and support TIM working group activities.



LOCAL TIM TEAMS

Local TIM teams enhance communication between TIM organizations and individuals locally and support TIM working group activities.

TIM Strategic Plan Focus Area



Policy and Procedures



Stakeholder Coordination and Public Engagement



Training and Education



TIM Data Management



Responder Safety Initiative



Emerging Technology

<p>Describe an individual agency's activities and how TIM organizations work together</p>	<p>Continuous identification and adoption of best TIM safety and quick clearance practices and sharing between TIM organizations</p>	<p>All responders to have the knowledge needed to perform their role(s) quickly and safely</p>	<p>Collaboration on data collection and analysis allows real-time assessment of safety and mobility impacts of TIM policies, practices, and training</p>	<p>The goal is to optimize vehicles and equipment to support quick and safe incident response and clearance</p>	<p>Assess and/or incorporate emerging technologies for use in or impacts on TIM</p>
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Focus Area 1: Policy and Procedures

Action Items	Implementation Urgency
1.1 Develop Rapid Incidence Scene Clearance (RISC) Procedure	4.8
1.2 Statewide TIM Standard Operating Guidelines (SOG)	4.4
1.3 Develop Hazmat Policy and Clearance Guidelines	3.8*
1.4 Improvement of TIM Laws	3.7
1.5 Review Everyday Counts (EDC) Compliance	3.7
1.6 Develop TIM Joint Operating Protocol	3.5
1.7 Revise the Open Roads Policy	3.3

**This action item is added based on the comments received during the visioning workshop. The ratings are estimated.*

Focus Area 2:

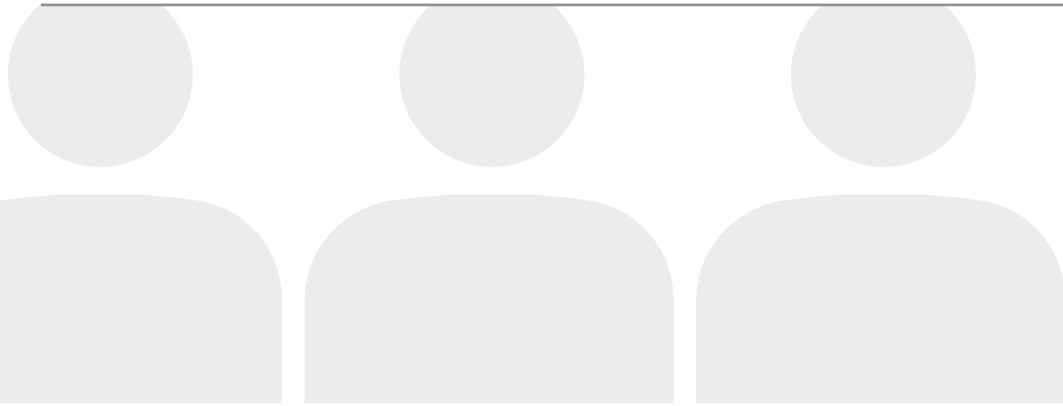
Stakeholder Coordination and Public Engagement

Action Items		Implementation Urgency
2.1	Fire Action Plan	4.7
2.2	Electric Vehicle (EV) Fires	4.7
2.3	Statewide TIM Steering Committee (STIMSC) and Working Groups (WGs)	4.4
2.4	Regional TIM Teams	4.4
2.5	After Action Review	4.4
2.6	TDOT and THP TIM Meetings	4.2
2.7	Crash Responder Awareness Safety Week	4.2
2.8	Driver Education Plan	4.0*
2.9	Social Media	3.9
2.10	TN Joint Operating Protocols (JOP)	3.7
2.11	Local/Corridor TIM Teams	3.6
2.12	TIM Self-Assessment	3.6
2.13	Formalize TIM Working Groups and Meetings	3.5
2.14	STIMSC Meetings	3.4
2.15	TIM Newsletter	3.4

**This action item is added based on the comments received during the visioning workshop. The ratings are estimated.*

Focus Area 3: Education and Training

Action Items	Implementation Urgency
3.1 Quick Vehicle Removal	4.6
3.2 Development of a Training Plan for EV Fire and Hazards	4.5
3.3 Responder Training	4.3
3.4 FHWA SHRP2 Responder Training Program	4.2
3.5 Public Engagement	4.0
3.6 TN TIM Training Facility Usage	3.2



Focus Area 4: TIM Data Management

Action Items	Implementation Urgency
4.1 Modification to SWCS Data Collection	4.1
4.2 Push Notifications	4.0*
4.3 TIM Data Collection, Analysis and Sharing	3.8
4.4 Shared Video Streams between agencies	3.7
4.5 TIM Data Management and Security Plan	3.7
4.6 TIM Data Integration	3.5
4.7 Dashboards for TIM Performance Measures	2.8

**This action item is added based on the comments received during the visioning workshop. The ratings are estimated.*

Focus Area 5: Responder Safety Initiative

Action Items	Implementation Urgency
5.1 Advanced Warning System	4.7
5.2 TIM Response Vehicle Portable Safety Equipment	4.6
5.3 Evaluate TIM operator injuries and property damage to identify trends and mitigation strategies	4.5*
5.4 Strategies for Enhanced Safe and Efficient Clearance of Disabled Vehicles and Spills	4.4
5.5 TIM Response Personnel Safety Apparel	4.2
5.6 Response Vehicle Safety Features Equipment	4.1
5.7 TIM Response Vehicle Portable Incident Response Equipment	3.6

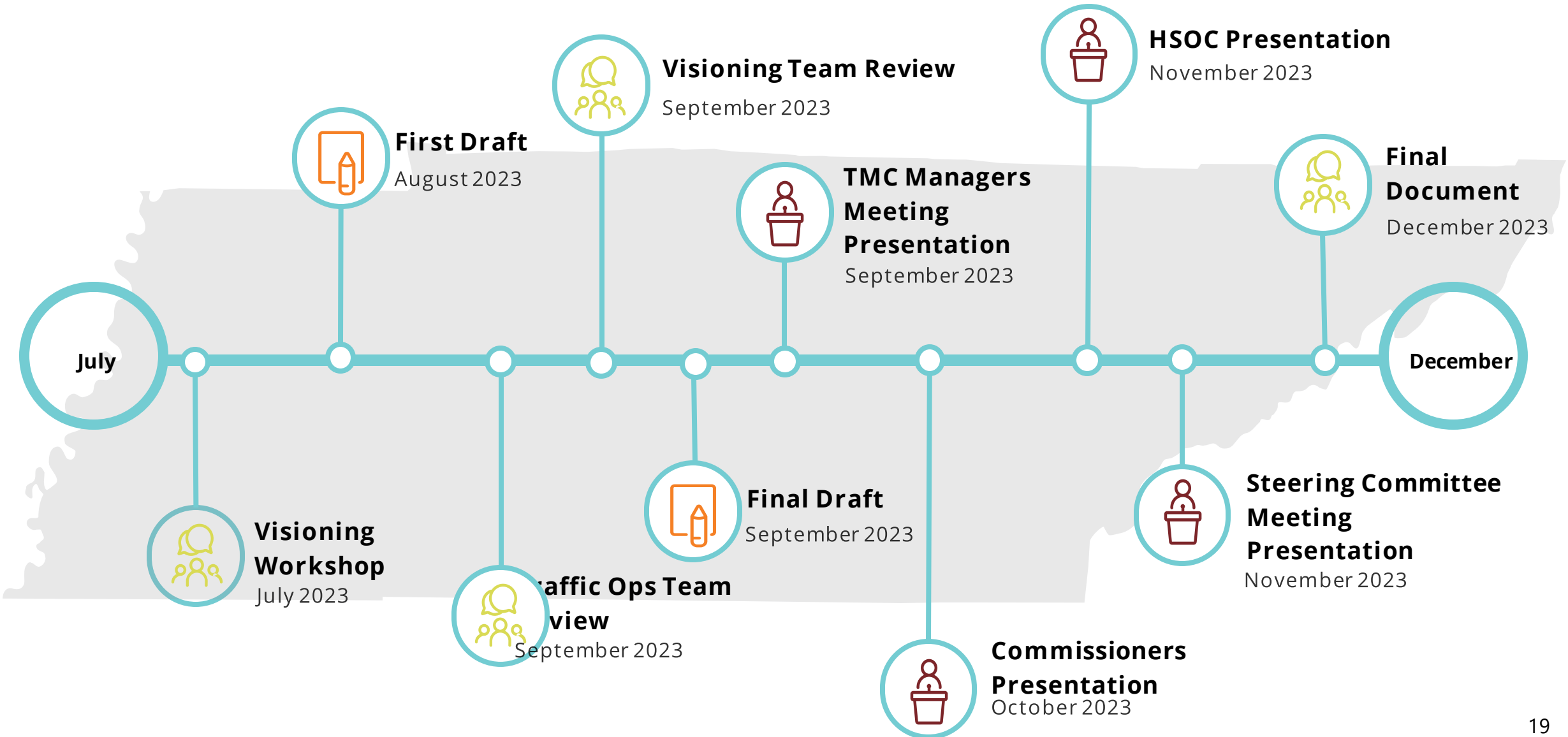
**This action item is added after the visioning workshop. The ratings are estimated.*

Focus Area 6: Emerging Technology

Action Items	Implementation Urgency
6.1 Partnering with Major Tech Companies	4.5*
6.2 Communications	4.3
6.3 Traffic Homicide Investigation Technology	4.3
6.4 Smartphone Application	3.7
6.5 Drones/Unmanned Aerial Systems (UAS)	3.4
6.6 Electric Vehicle Technology	3.4
6.7 Near-Miss Tracking	3.2
6.8 Connected Vehicles	3.0

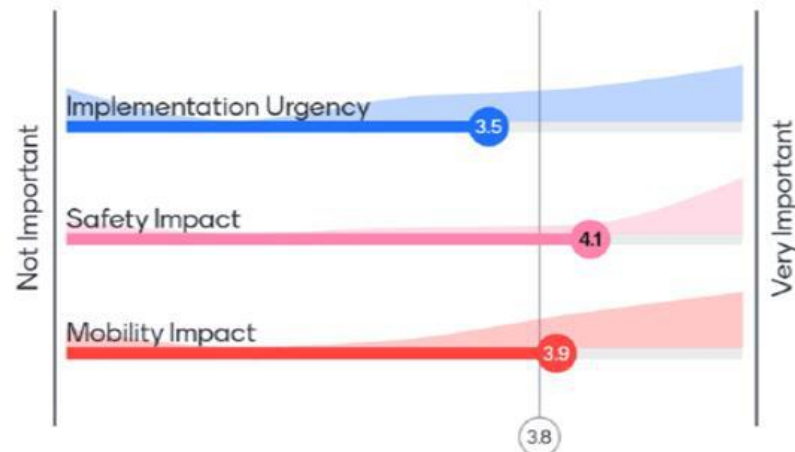
**This action item is added after the visioning workshop. The ratings are estimated.*

TIM Strategic Planning Timeline



Tennessee TIM Visioning Workshop

- July 11, 2023
- 38 Representatives
- 15 Agencies and Organizations
 - State and Local Law Enforcement agencies, Emergency Medical Services, Fire/Rescue departments, and Towing and Recovery agencies
- Real-time feedback on the action items using online polling



Quarterly TMC Managers Meeting



- September 28, 2023
- 25 attendees including TMC managers, supervisors, Safety Office, IT Department, Fire and Rescue Department, and Tennessee Highway Patrol (THP).

Next Steps

- Approval to adopt TIM strategic plan
- STIMSC meeting in November to share the Plan with STIMSC members and attendees
- Establish working groups, and champions within each major agency, to become accountable for initiating activities identified for each focus area
- Establish formal local/regional TIM joint operating procedures
- Track and report the progress of each action item
- Update the strategic plan every three years



Questions?

