

Durham - Chapel Hill - Carrboro Metropolitan Planning Organization

MPO Board Presentation

September 14, 2016

Strategic Assessment for the Durham - Chapel Hill - Carrboro MPO Traffic Incident Management Program



What is Traffic Incident Management (TIM)?

- TIM stands for Traffic Incident Management
 1. Planned and coordinated multidisciplinary process to detect, respond to, and clear traffic incidents so that traffic flow may be restored as safely and quickly as possible
 2. Effective TIM reduces the duration and impacts of traffic incidents and improves the safety of motorists, crash victims, and emergency responders



Why Is This So Important?

- The entire concept of a coordinated, multi-disciplinary effort in TIM saves lives.
- When we save lives, we save time and energies for responders, and us
- When we save lives, we save money because we are not delayed
- When we save lives, we help those persons be all they can be
- It is the most human of emotions to protect ourselves and those we love



Why Do This Project?



To improve

- Mobility (by reduce incident duration) and
- Safety (by reduce secondary incident)



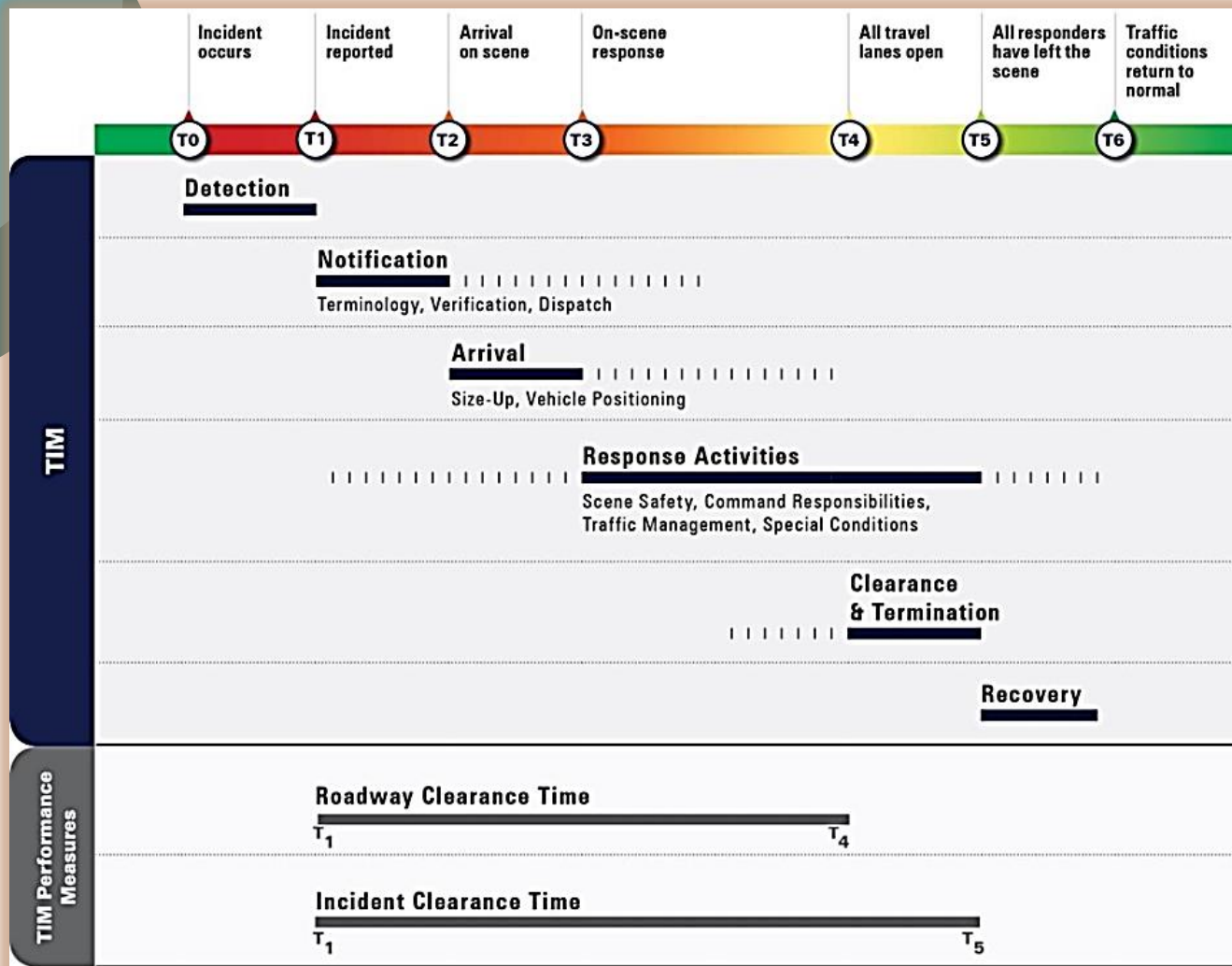
Create a strong relationship

- Traffic Incident Management (TIM)
- Transportation Planning
- Element of the 2040 MTP



Traffic Incident Management Timeline

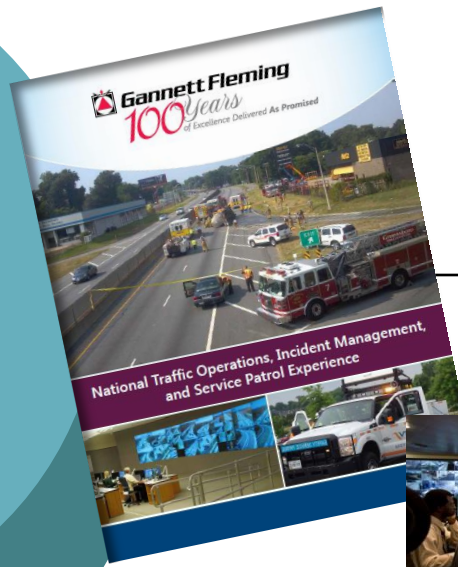
What are we trying to do?



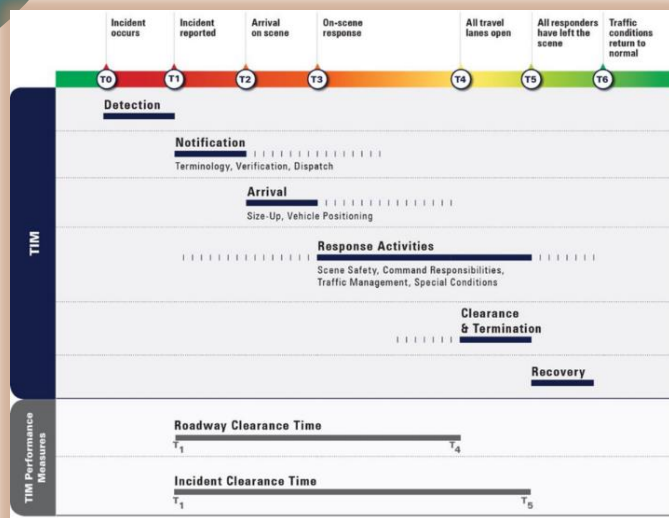
Shrink the Timeline:

- Detect incidents quicker
- Report incidents quicker
- Verify incidents quicker
- Identify needs quicker
- Dispatch resources quicker
- Clear the roadway quicker
- Leave the scene quicker
- So that we...
- **MAKE ROADWAYS SAFER**
- **ENHANCE MOBILITY**
- **REDUCE CONGESTION**

Collaborative Effort



Purpose: Develop a TIM strategic direction that serves as the cornerstone for other TSM&O (Transportation Systems Management and Operations) activities and furthers their efforts to address federal congestion mitigation strategies.



Goals:

- Strategic Plan
- Memorandum of Understanding

Stakeholders:

- Durham Police/Fire/EMS
- Chapel Hill Police/Fire/EMS
- Hillsborough Police/Fire/EMS
- Carrboro Police/Fire/EMS
- Durham, Orange, Chatham county Agencies
- NCDOT
- NC State Highway Patrol
- Towing and Recovery
- MPO Traffic Ops Group
- MPO Transportation Planning Group
- Media

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The National Unified Goal (NUG)

- The NUG was created by the National Traffic Incident Management Coalition, a group that includes every major organization representing every type of response, planning, and support unit
- Three main goals are:
 - Responder Safety
 - Safe, Quick Clearance
 - Prompt, Reliable, Interoperable Communication
- Everything we do should relate to one or more of them



Survey of Stakeholders

- Responders and support personnel were offered the opportunity to comment on the state of TIM at the current time
- Response was representative of the variety of disciplines

Stakeholders:

- Durham Police/Fire/EMS
- Chapel Hill Police/Fire/EMS
- Hillsborough Police/Fire/EMS
- Carrboro Police/Fire/EMS
- Durham, Orange, Chatham county Agencies
- NCDOT
- NC State Highway Patrol
- MPO Traffic Ops Group
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- Towing and Recovery
- Media



Major issues? Minor issues?

• **Lack of shared procedures for
TIM**

• **Lack of unified approach on
scene**

• **Inaccurate information from
scene**

MAJOR

• **Delays in DOT, others' response to
scene**

• **Scene safety is not a priority**

• **Quick clearance is not a priority**

• **Difficult to get all resources to scene**

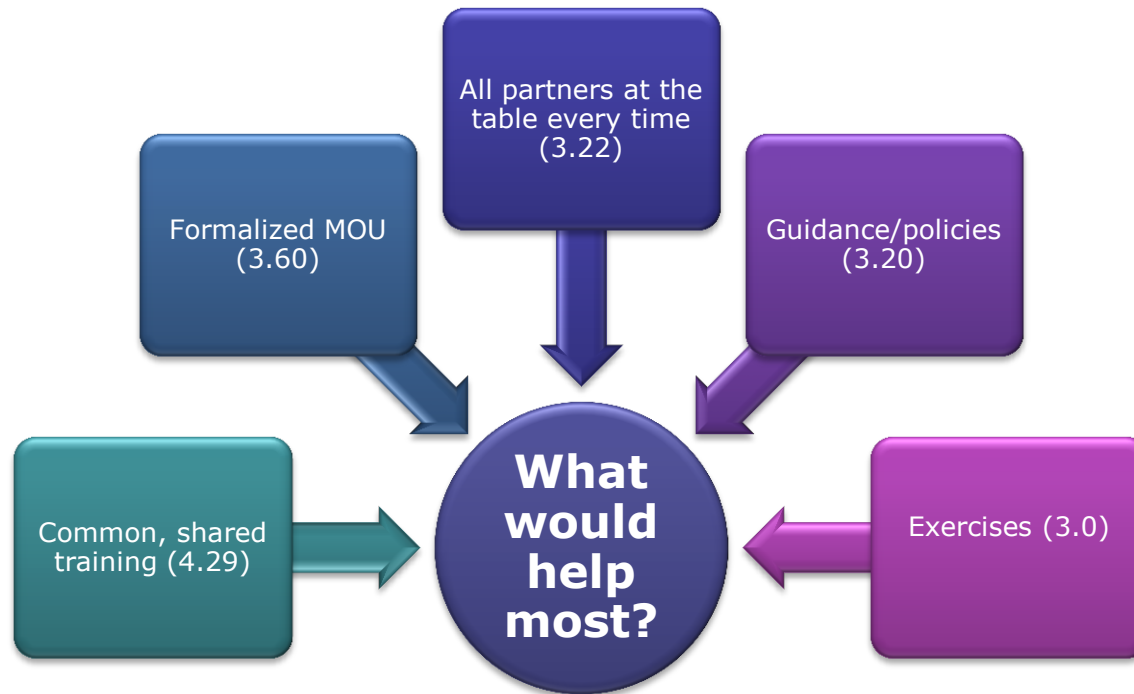
MINOR

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What would help most?



Numbers from survey rankings of what would help most to advance TIM in the MPO

Regional TIM Workshop

- *TIM Leadership Workshop*
- July 12, 2016
 - 47 RSVP, 27 Attended
 - Three Guest Speakers
 - FHWA, SHP, NCDOT, Local Police Activities
 - **MOU Review and Feedback** (Follow-up Circulation w/stakeholders)
 - SMP Overview



MEMORANDUM OF UNDERSTANDING FOR TRAFFIC INCIDENT MANAGEMENT

MPO Board 9/14/2016 Item 10

MOU

- One page
- Not Legal Binding doc., but
- First step and Next activity foundation

This Memorandum of Understanding for Traffic Incident Management (TIM) is made this day MM/DD/YR by and among the traffic incident response municipalities of the Durham - Chapel Hill - Carrboro Metropolitan Planning Organization (DCHC MPO), to guide development of Traffic Incident Management (TIM) processes, practices, and improvement in the safety and mobility of all who work or occupy the highway in the region.

This document commits each municipality, organization, agency, or association to communication, cooperation, and collaboration in inclusive development of a common operating picture, consistent with the National Incident Management System (NIMS) concepts of command and management, public information systems, and resource management, specifically those of Incident Command System (ICS) including Unified Command principles.

Signatories of the MOU agree to cooperative advancement of the concepts of the National Unified Goal (NUG) for Traffic Incident Management, which stresses:

1. **Responder Safety**
2. **Safe, Quick Clearance of Roadways**
3. **Prompt, Reliable, Interoperable Communication**

This document maintains and respects the authority, responsibility, rules, and regulations of each signatory. In the spirit of Unified Command, nothing in this TIM program commitment will be seen as a delegation of authority or responsibility to any other partner.

This signed document commits the signing agency to the following:

- *Collaborate regularly with other TIM Stakeholders to share information and develop program goals*
- *Collaboration and development of a Regional Quick Clearance goal*
- *Developing defined incident scene roles and responsibilities based on NIMS and ICS guidance.*
- *Working toward shared policies on local incident scene traffic management.*
- *Consistent and safe on-scene vehicle positioning and use of Personal Protective Equipment (PPE)*
- *Working cooperatively toward establishment of incident communications guidelines.*

This MOU is not intended to be a binding legal document, and no party will have any legal rights of enforcement hereunder. There are no third party beneficiaries to this MOU. Nothing in this MOU shall create or give to third parties any claim or right of action against an undersigned party.

Name of Municipality, Agency, Organization, Association: _____

Authorized Signature: _____ Printed Name: _____

Title: _____ Date of Approval: _____

The What and How of Strategic Planning

- **Goals** - An over arching, broad idea to accomplish
- **Objectives** – The “What” of the Goal equation
- **Action Items/Strategies** – The “How” of the identified Objective (TBD)



Strategic Planning

Recommendation - Nine Goals

1. Formalize Leadership (0~9 month)

2. Expand Multi-Agency Approach (6~18)

3. Performance Measurement (6~18)

4. Document Program (6~18 months)

5. Monitor Change (6~18)

6. Expand Leverage Local Participation
(6~18)

7. Link Communicators (9~18 months)

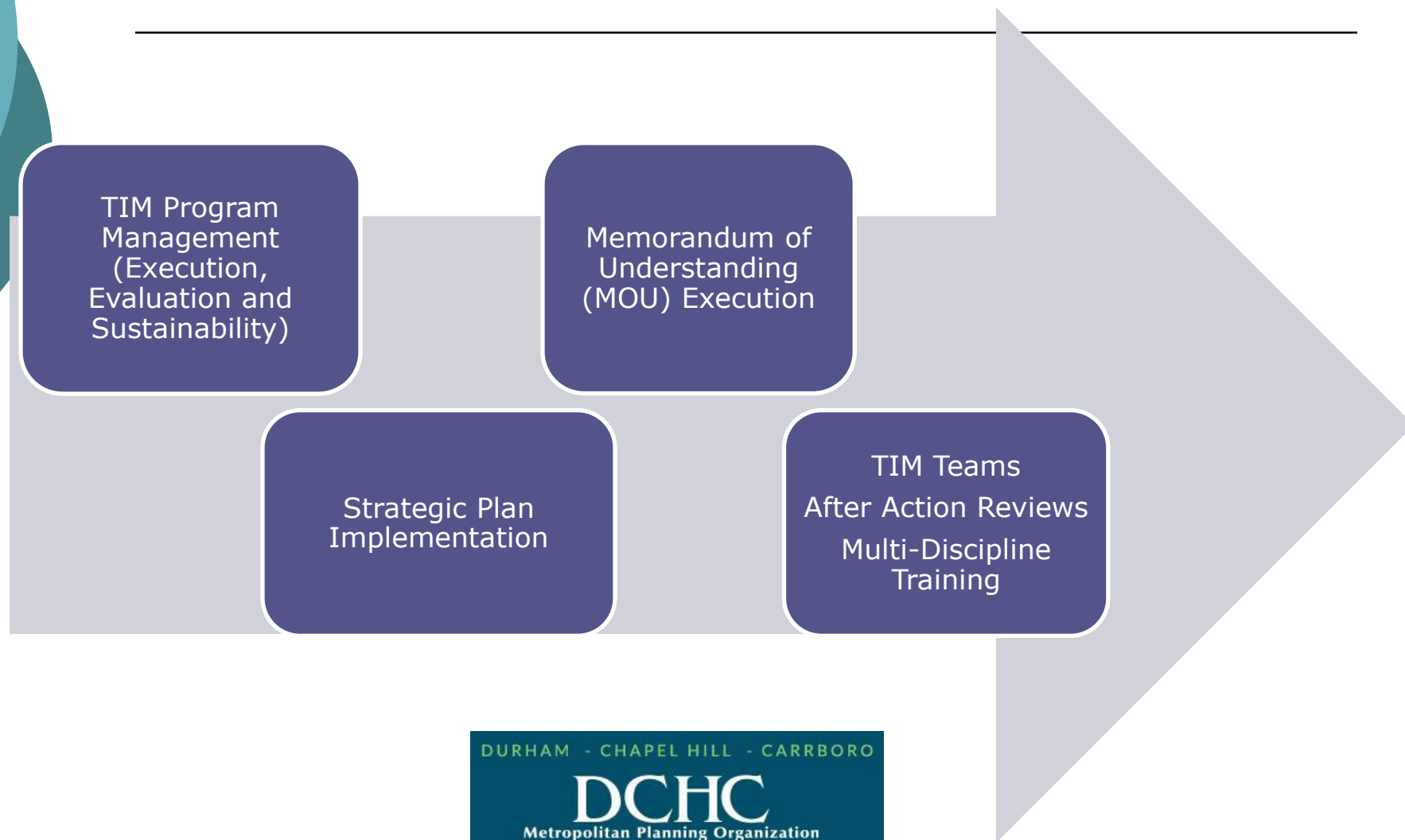
8. Share Lessons Learned (6~18)

9. Link to the NC Strategic Highway Safety
Plan(9~24)

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What Next?



MPO Board Action

- Receive TIM Program Assessment Report and the Presentation
- Authorize the Board Chair to transmit the MOU for signature

Questions? Contacts

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