

# Traffic Incident Management (TIM) Program's Update on the 3rd Senior Executive Transportation and Public Safety Summit

## Talking TIM Webinar

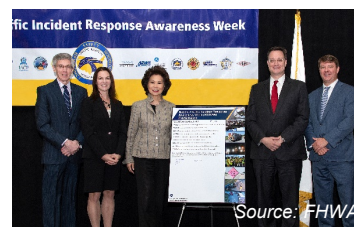
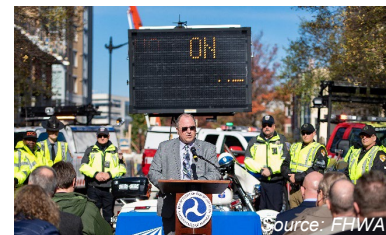
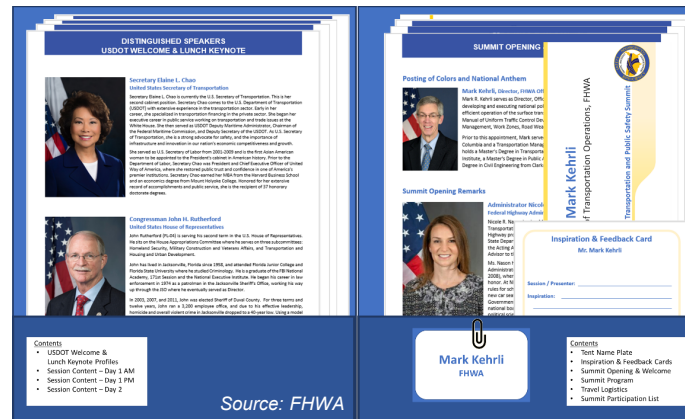
Paul Jodoin and Jim Austrich  
FHWA Office of Operations  
January 22, 2020





# The 3rd Summit – By the Numbers

- 1.5** Days at two venues
- 3** Modal Administrations and USDOT Secretary
- 4** Elected officials
- 8** Topical sessions
- 21** National associations
- 110** Participants
- Concluding with a Proclamation Signing Event





# LOOKING BACK IN CHARTING THE PATH FORWARD

*Outcomes from the First and Second Summits*







# Summit 1 (June 2012)



Source: FHWA



U.S. Department  
of Transportation



***“Leadership, Innovation and Key Partnerships  
– Advancing TIM and the Future”***



U.S. Department of Transportation  
**Federal Highway Administration**





# Summit 1 (June 2012)

## Big Recommendations:

- Establish a small, executive-level working group with membership from five key organizations that represent Traffic Incident Management (TIM) practitioners – the TIM Executive Leadership Group (TIM ELG).
- Deploy national TIM Responder Training.
- Promote national deployment of TIM performance measures.
- Enhance consistency of, and compliance with, TIM legislation.





## Summit 2 (January 2015)



Source: FHWA

*“Institutionalization of TIM”*





## Summit 2 (June 2015)

### 12 Recommendations, Six highlighted below:

- Conduct regional TIM workshops and summits.
- Incorporate TIM into State Strategic Highway Safety Plans.
- Create **N**ational **T**IM **R**esponse **A**wareness **W**eeK (NTIRAW).
- Build TIM test tracks for training.
- Measure struck by and secondary crashes.
- Create a central repository for TIM good practices documentation.







## 3rd Senior Executive Transportation and Public Safety Summit November 14-15, 2019 at National Museum of the U.S. Navy



Source: FHWA

***“Expanding Partnerships to Improve Outcomes”***





# Topical Sessions

1. **Rapid Fire: ELG Members shared why they participate**
2. **Advancing TIM through Vision Zero, Road to Zero, and Towards Zero Deaths**
3. **Strategies to Accelerate Responder Training**
4. **Using Data to Improve TIM**
5. **Advancing Local TIM through Partnerships**
6. **State and Local Legislation for TIM**
7. **Building Public Education and Outreach Momentum for TIM**
8. **Improving TIM Through Technology**







# 1. Rapid Fire: ELG Member Perspectives

*Members emphasized changing the philosophy of leadership, creating a culture of safety for handling roadway incidents, focusing on TIM and having members TIM trained, and improving on scene collaboration and communication.*

<p><b>APWA Mission</b> to support those who operate, improve and maintain public works and infrastructure through advocacy, education, and member engagement</p> <p><b>Harry Weed</b> Past Board Member</p> <p><b>APWA</b> American Public Works Association</p>	<p><small>AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS</small> <b>AASHTO</b></p> <p><b>Jim Tymon</b> Executive Director</p> <p>AASHTO supports state DOTs in the development of transportation solutions that create economic prosperity, enhance quality of life, and improve transportation safety in our communities, states, and the nation as a whole.</p>
<p><b>NASEMSO</b></p> <p><b>Keith Wages</b> Immediate Past President</p> <p>National Association of State Emergency Medical Services Officials</p>	<p><b>Chief Kevin D. Quinn</b> NVFC 1st Vice Chair</p> <p><b>NVFC</b> NATIONAL VOLUNTEER FIRE COUNCIL FIRE • EMS • RESCUE</p> <p>Our mission is to provide a unified voice for volunteer Fire/EMS organizations.</p> <p>The NVFC is the leading nonprofit membership association representing the interests of the volunteer fire, EMS, and rescue services. We serve as the voice of the volunteer in the national arena and provide invaluable resources, programs, education, and advocacy for first responders across the nation.</p> <p><b>NVFC</b> www.nvfc.org</p>
<p><b>NATIONAL SHERIFFS' ASSOCIATION</b></p> <p>Non-profit organization dedicated to raising the level of professionalism among those in the law enforcement field</p> <p><b>Sheriff Daron Hall</b> President 2019-2020 Davidson County, TN</p> <p><b>Jonathan F. Thompson</b> CEO, Executive Director</p>	<p><b>Chief Norris W. Croom III</b> IAFC Board Member</p> <p><b>All-Hazards, All-Risk Response Leaders</b></p> <p>The IAFC represents the leadership of firefighters and emergency responders worldwide.</p> <p>Our members are the world's leading experts in firefighting, EMS, terrorism response, hazmat, natural disasters, search and rescue, wildland fire mitigation/response and public safety policy.</p> <p><b>IAFC</b> www.iafc.org</p>
<p><b>TRAAC</b> Towing and Recovery Association of America, Inc. THE VOICE OF AMERICA'S TOWING INDUSTRY</p> <p><b>Joanne Blyton</b> President</p> <p>TRAAC continually works to improve our industry's voice in legislation, education and communication. TRAAC works with governmental agencies, legislators, and industry partners to provide insight into the industry and promote fair policy development for all parties.</p>	<p><b>NATIONAL EMS MANAGEMENT ASSOCIATION</b></p> <p><b>Mike Touchstone</b> President, 2015-2017</p> <p>Dedicated to discovery, development, and promotion of excellence in leadership and management in EMS systems, regardless of EMS system model, organizational structure or agency affiliation.</p> <p>National EMS Management Association</p>

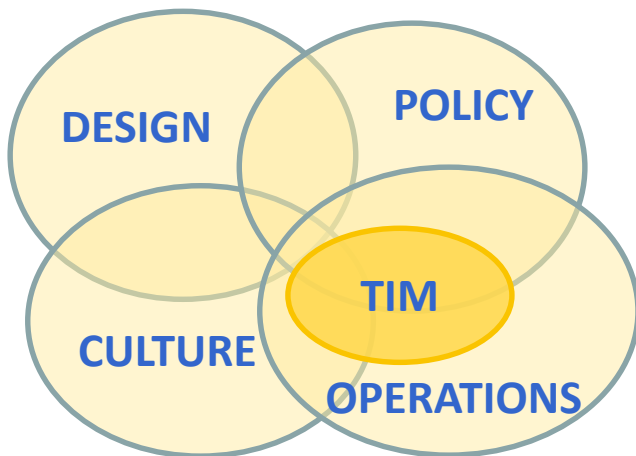
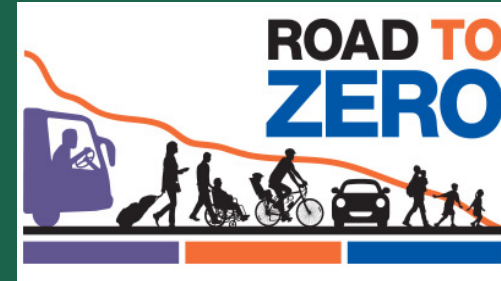
Image Source: Summit Presentations







## 2. Advancing TIM through Vision Zero, Road to Zero, and Towards Zero Deaths



Zero fatalities and serious injuries to users of the roadway system, while increasing safe, healthy, and equitable mobility for all.

### TRADITIONAL APPROACH

Traffic deaths are **INEVITABLE**  
**PERFECT** human behavior  
 Prevent **COLLISIONS**  
**INDIVIDUAL** responsibility  
 Saving lives is **EXPENSIVE**

**VS**

### VISION ZERO

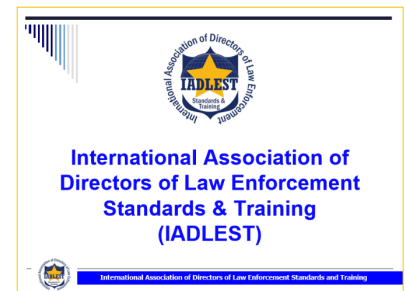
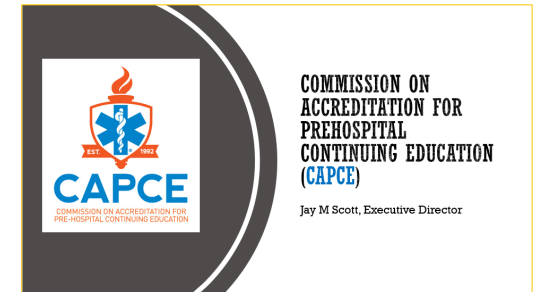
Traffic deaths are **PREVENTABLE**  
 Integrate **HUMAN FAILING** in approach  
 Prevent **FATAL AND SEVERE CRASHES**  
**SYSTEMS** approach  
 Saving lives is **NOT EXPENSIVE**





## 3. Strategies to Accelerate Responder Training

- Institutionalization of training through accreditation and mandates.
  - Commission on Accreditation for Pre-Hospital Continuing Education (CAPCE).
  - International Association of Directors of Law Enforcement Standards and Training (IADLEST).
- Texas mandates TIM training for Fire and Police.
- Kentucky and Georgia mandates TIM for Emergency Medical Services (EMS) through the Department of Health.
- Six State Police agencies require TIM training for towing contracts.
- 440K+ Responders Trained!



*Image Source: Summit Presentations*



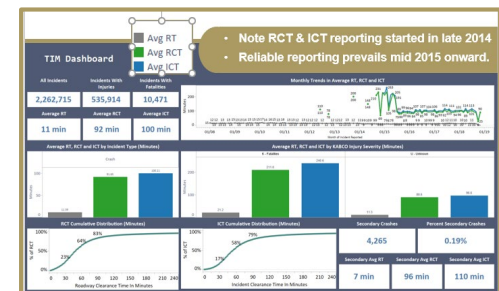


## 4. Using Data to Improve TIM

**TIM is changing.** Data helps agencies adapt by leveraging new capabilities and more effective, proactive practices.

- **New technologies such as** Internet of Things (IOT) sensors, Unmanned Aerial Systems (UAS), and crowdsourced systems.
- **New and different traffic environments** such as connected and automated vehicles, increasing driver distractions, and High Occupancy Toll lanes.
- **New data-supported management practices** such as big data, real-time cloud and web based systems.

**Data also supports the business case for TIM!**



Source: FHWA







## 5. Advancing TIM through Partnerships

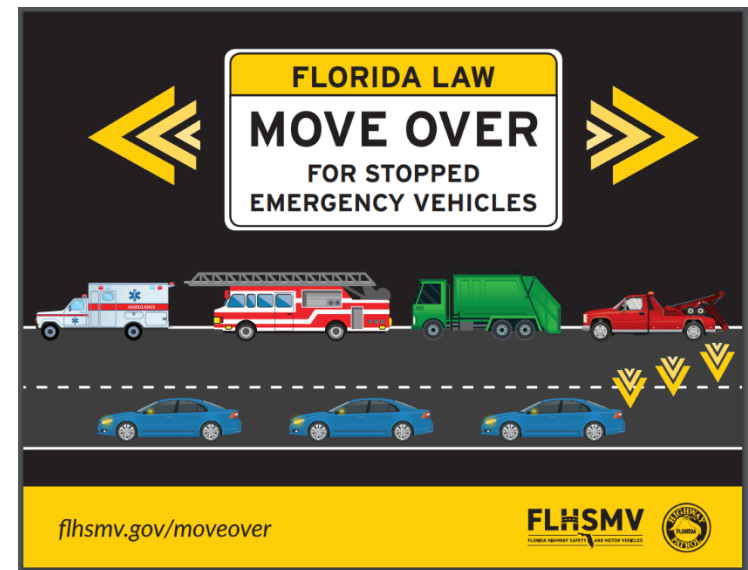
- Robust and efficient TIM on local and county roads is critical for the safety of residents and those who travel through our communities each day.
- Rural roads carry less than half of America's traffic, yet account for over half of all traffic fatalities.
  - Roadway crashes accounted for 33% of law enforcement fatalities and 20% of fire and rescue worker fatalities.\*
  - Emergency responders killed at incidents were overwhelmingly employed by a local government.





## 6. State and Local Legislation for TIM

- **Slow Down / Move Over Laws** Including all responders, and providing for enforcement of the law.
  - Linda Unruh shared her compelling story to enact “Bobby’s Law” which added truck operators as first responders within the Slow Down Move Over law for the State of New Mexico.
- **Authority Removal Laws**
- **Mandates** for TIM Committees, training, policies, etc.



Source: Florida DOT





## 7. Building Public Education and Outreach Momentum

- Many mechanisms for educating the public and changing behaviors to keep responders and the traveling public safe.
- Opportunities for greater collaboration with AAMVA, AAA, and others discussed.

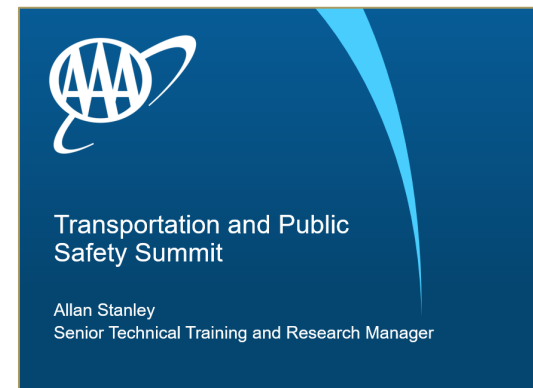
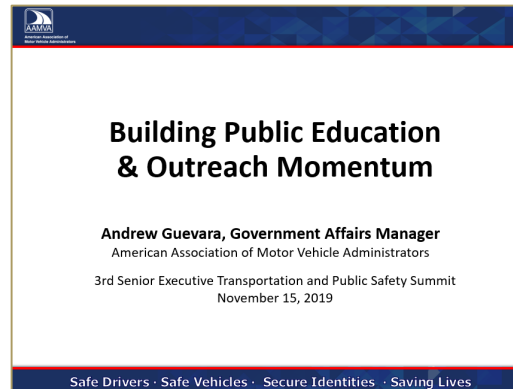


Image source: Summit Presentations

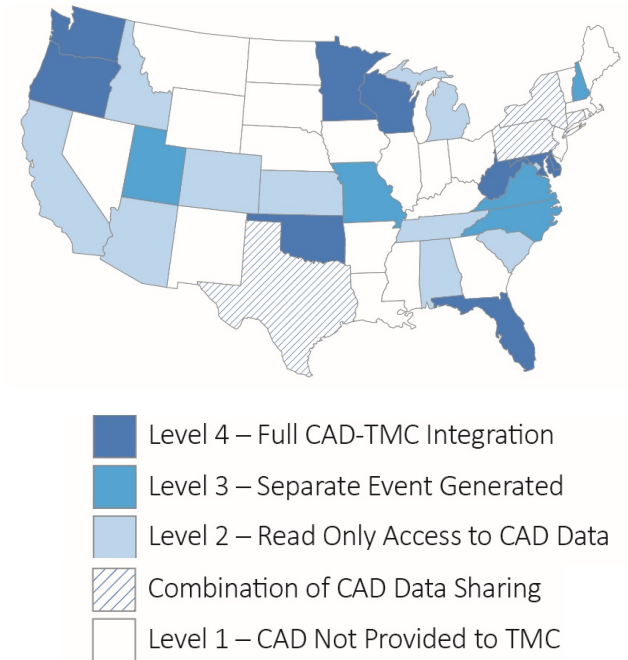






## 8. Improving TIM Through Technology

- Connected and automated vehicle (CAV) efforts should consider responder needs, and will profoundly change incident response.
- Integrating computer aided dispatch (CAD) with advance traffic management systems.
- Crowdsourced data offers regions greater geographic coverage, timeliness, and nature of incident – which enables quicker and more effective response.
- Unmanned aerial systems (UAS) for scene mapping reduces scene investigation time, roadway and incident clearance times, and also removes personnel from roadway/traffic exposure.



Source: FHWA





# NTIRAW Commemoration and Summit Close



Source: FHWA (all pictures)

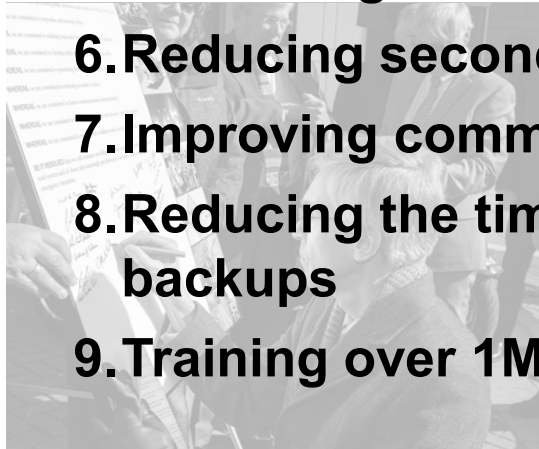






# NTIRAW Commemoration and Summit Close

1. Promoting public education and outreach on Move Over Laws
2. Responder and motorist safety
3. Reducing responder struck-by fatalities and injuries
4. Clearing traffic incidents as quickly as possible
5. Promoting the collection of crash data
6. Reducing secondary crashes
7. Improving communications interoperability
8. Reducing the time freight and travelers spend in incident backups
9. Training over 1 Million traffic incident responders



Source: FHWA







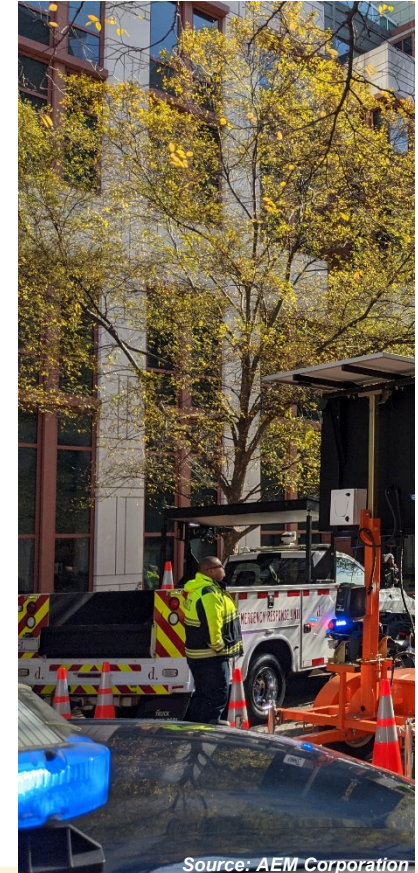
## 3<sup>rd</sup> Summit – In Summary

### Goals:

- Renew focus on TIM *across agencies at the highest levels of leadership* to accelerate use of good TIM practices.
- Accelerate the use of proven TIM practices *by inviting new partners to the Summit* and bringing greater attention to local TIM.
- Introduce new opportunities (policy, outreach, technology, training) to improve TIM.



Source: AEM Corporation



Source: AEM Corporation





## 3<sup>rd</sup> Summit – Big Recommendations

- **Recommit to the 1M Trained goal** through academies and other institutions:
  - Commission on Accreditation for Pre-Hospital Continuing Education (CAPCE)
  - International Association of Directors of Law Enforcement Standards and Training (IADLEST)
  - International Fire Services Training Association (IFTSTA)
- **Educate elected officials on the importance of TIM** for regional safety and mobility with a clear business case and program needs, working with associations:
  - National League of Cities (NLC)
  - National Association of Counties (NACO)
  - National Governors Association (NGA)
  - Institute of Transportation Engineers.
- **Focus on reach with local agencies** – most local public works, police and other responder communities do not know the term “TIM.”





## 3<sup>rd</sup> Summit – Big Recommendations

- **Work with the National Highway Traffic Safety Administration (NHTSA) and the Federal Motor Carrier Safety Administration (FMCSA) to nurture relationships** that will change driver behavior towards TIM
  - American Association of Motor Vehicle Administrators (AAMVA), American Automobile Association (AAA), American Association of Retired Persons (AARP) and other associations to reach travelers.
  - Focus on commercial motor vehicle driver awareness
  - Share the “Slow Down Move Over” message through technology.
- **Refresh and refine National Unified Goals (NUG) and strategies.**







## 3<sup>rd</sup> Summit – Big Recommendations

- **Push for routine collection and sharing of TIM performance more granularly** to engage regions to benchmark, compare, and improve.
  - Regional responder training statistics, and TIM performance statistics.
  - Promote collection/reporting for responder struck-by events, near misses, and vehicle involvement (large trucks)
- **Share Best Practices related to new technologies, tools, techniques** to help responder communities accelerate CAD integration, UAS, Crowdsourcing, and other technologies that improve TIM.
- **Fund demonstrations and research** through Transportation Research Board (TRB), American Association of State Highway Officials (AASHTO) and others entities.
  - For example: Large trucks in secondary crashes, Methodological guidance for performance measure, Rural and arterial TIM, Technology considerations for incident response.





## 3<sup>rd</sup> Summit Immediate Outcomes

- NLC outreach to membership advising including TIM session, presentation, or workshop within Regional events



Source: FHWA

**Making Roads Safer for First Responders:  
Sample Session Recommendation for State League Conferences**

- Outreach through ITE Public Agency Council Exec Committee
- TIM presentation at the AAMVA Lifesavers Conference, March 2020
- Potential expansion of the TIM Executive Leadership Group (ELG)





## We Ask of You

- As you engage with varied organizations in your region, be sure to reconnect with them on the topic of TIM.
  - Ask your counterparts to promote TIM responder safety training within their organizations.
  - Know the training numbers for your State, and share them with responder communities within your region.
- Does your region have TIM performance measures?
  - If yes, publicize these numbers, share the importance of collecting accurate data to support performance measures, and discuss what might shift the needle in performance to improve the TIM program.
  - If no, begin dialogue on how best to collect TIM performance measures, and if needed, reach out for support to begin measuring TIM performance.







# 3rd Senior Executive Transportation and Public Safety Summit

November 14-15, 2019 at USDOT Building, Day 2



Source: FHWA





## Questions?

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