



Talking TIM Webinar Series

Bringing to your desk the great and varied work happening on the ground and around the country in Traffic Incident Management (TIM)

Hosted by

Paul Jodoin and Jim Austrich
FHWA TIM Program

Wednesday, April 22, 2020





Today's Agenda

Introduction

Paul Jodoin, FHWA TIM Program Manager

National TIM Responder Training Update

Jim Austrich, FHWA TIM Program Manager

Colorado TIM Program

Captain Robert Marone
Colorado Highway Patrol

New Opportunities for National Responder Training

Katie Belmore, HNTB

Marketing TIM to Strengthen Programs

Vaishali Shah, AEM Corporation



May 2020 Talking TIM Webinar

- **May 27, 1:30-3:00 PM EST**
- **Multi-Vehicle, Connected/Automated Vehicle Crash in Mountain View California** – National Transportation Safety Board Report, Robert Molloy, PhD. Director
- **Virginia Analysis of TIM Crash Data** – Captain Ron Maxey, Virginia State Police (speaker from VSP may change)
- **Connected and Automated Vehicle and other Responder Related Research** – Michael Mollehauer, Virginia Tech Transportation Institute



Adventures in Crowdsourcing Webinar Series: Identifying and Managing the Back of Queues

Wednesday, April 8, 2020
FHWA Every Day Counts Round 5 (EDC-5)
Crowdsourcing for Operations Innovation



Back of Queue Detection

Ed Cox, P.E., Indiana Department of Transportation (DOT)

Delta Speed Tool

- Real-time Web-based Tool
- Uses Probe Data to Identify Speed Changes
- Shows Queue Location and Growth

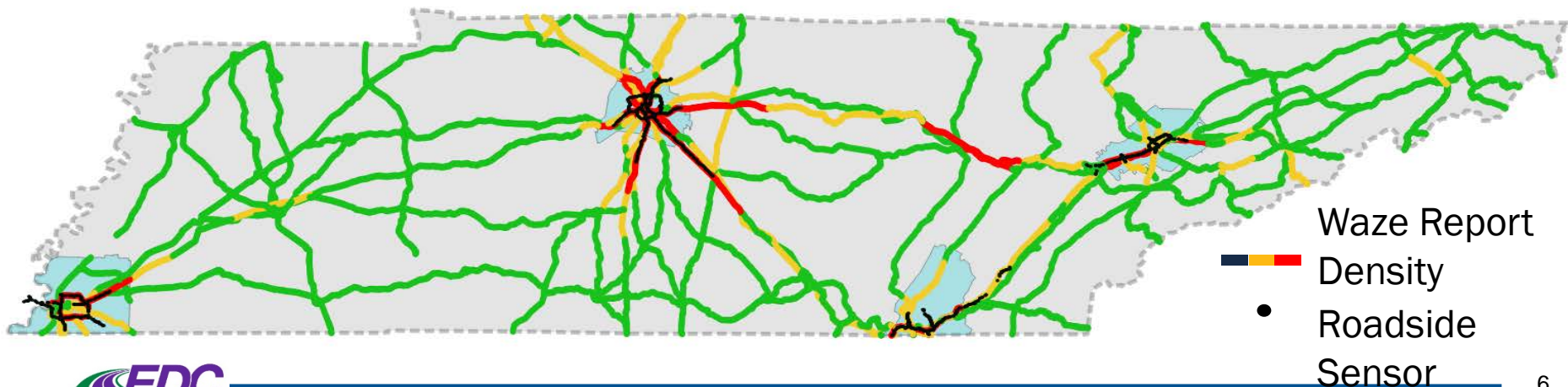
Route	Mile	ΔSpd MPH	From MPH	To MPH	Min. ago
I-65 N	122.67	-57	57	0	1
I-65 N	128.84	-48	65	17	1
I-90 E	152.35	-35	72	37	1
I-90 W	24.49	-27	66	39	1
I-90 W	153.47	-25	70	45	1
I-69 N	305.28	-25	71	46	2
I-90 E	23.52	-24	58	34	1
I-65 S	177.52	-23	66	43	6
I-469 S	0.05	-20	70	50	10
I-69 S	20.82	-20	79	59	1
I-65 S	177.03	-20	59	39	5
I-90 W	1.02	-19	58	39	1
I-64 E	24.94	-19	77	58	1
I-69 S	87.46	-19	82	63	14
I-69 N	20.8	-18	75	57	3
I-65 N	129.27	-17	17	0	1
I-90 E	20.85	-17	67	50	13
I-90 E	0.56	-17	68	51	5
I-64 E	7.14	-17	78	61	1
I-90 W	1.5	-16	73	57	3
I-265 W	6.78	-16	67	51	6



Back of the Queue - Real Time Detection & Prediction

Lee Han, Ph.D., University of Tennessee
Yuandong Liu, University of Tennessee

- Roadside Sensor and Waze Used to Detect Queues
- Time and Space Factors Contribute to an Algorithm that was better than simple speed thresholds using detector data
- Crowdsource Data Improved Geographic Coverage



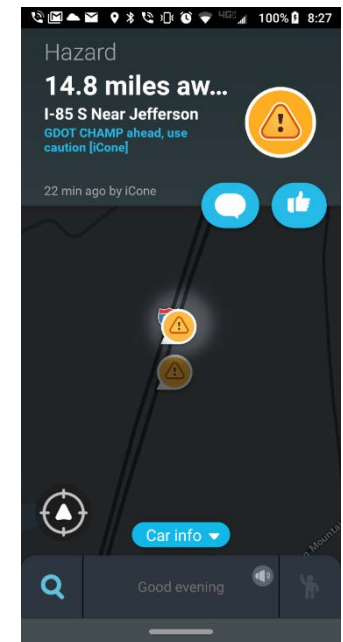
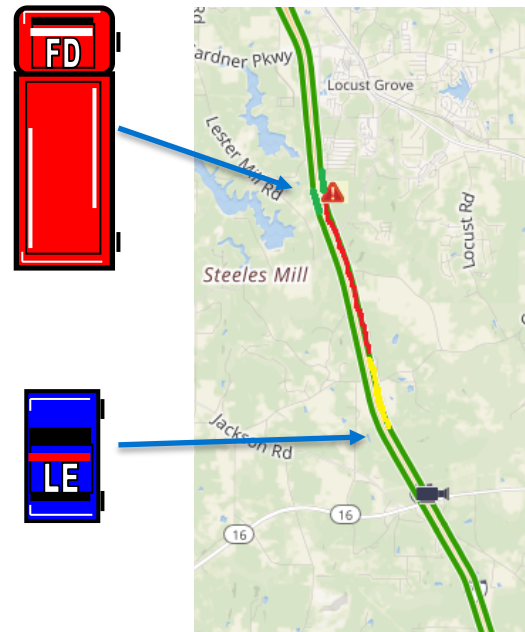


A Responder's Guide to Identifying the Incident Queue

Brian Purvis, P.E., Georgia DOT and AECOM

Responders in the Field:

- Use 511ga.org and Waze
- Identify Traffic Queues
- Respond Upstream to Provide Advance Warning



Responder Struck-By Fatalities

SURVIVAL ALERT UPDATE

- Already 14 fatalities have occurred since January 1st:

- 2 - Firefighters/EMS Personnel

- 7 - Law Enforcement Officers

- 4 - Towing & Recovery Personnel

- 0 – Mobile Mechanics

- 1 – DOT/SSP

- 0 – DPW

Call to Action! Web-Based Training Option Links:

- https://www.nhi.fhwa.dot.gov/course-search?course_no=133126A
- <https://learning.respondersafety.com/Clusters/National-TIM-Training-Certificate.aspx>
- [Struck-By Line of Duty Death-
www.respondersafety.com/FatalityReports](http://www.respondersafety.com/FatalityReports)



FHWA-NHI-133126A

National Traffic Incident Management Responder Training Web-based Training (WBT)



Training for safer, faster, stronger, more integrated incident response.

The National Traffic Incident Management Responder Training was created by responders for responders. This Web-based Training provides a shared understanding of the requirements for safe, quick clearance of traffic incident scenes; prompt, reliable and open communication; and motorist and responder safeguards. First responders from all TIM responder disciplines will learn how to operate more efficiently and collectively.

Is this training right for my agency?

This training covers many TIM recommended procedures and techniques, including:

- TIM Fundamentals and Terminology
- Notification and Scene Size-Up
- Safe Vehicle Positioning
- Scene Safety
- Command Responsibilities
- Traffic Management
- Special Circumstances
- Clearance and Termination

For more information about this training, please contact:

James "Jim" Austrich
Phone: 202-366-0731
James.Austrich@dot.gov

For detailed information on the course, as well as information on registering for NHI courses, please visit our website at: www.nhi.fhwa.gov/



U.S. Department of Transportation
Federal Highway Administration

National TIM Responder Training Program Implementation Progress

- As of April 20, 2020



Train-the-Trainer Sessions

- 462 sessions with 12,656 participants
- 23% of participants have provided training



In-Person Responder Training

- 16,929 sessions with 386,003 participants



Web-Based Training (WBT)

- 73,793 total | 50,217 NHI | 7,201 Other
- 16,375 ERSI Responder Safety Learning Network

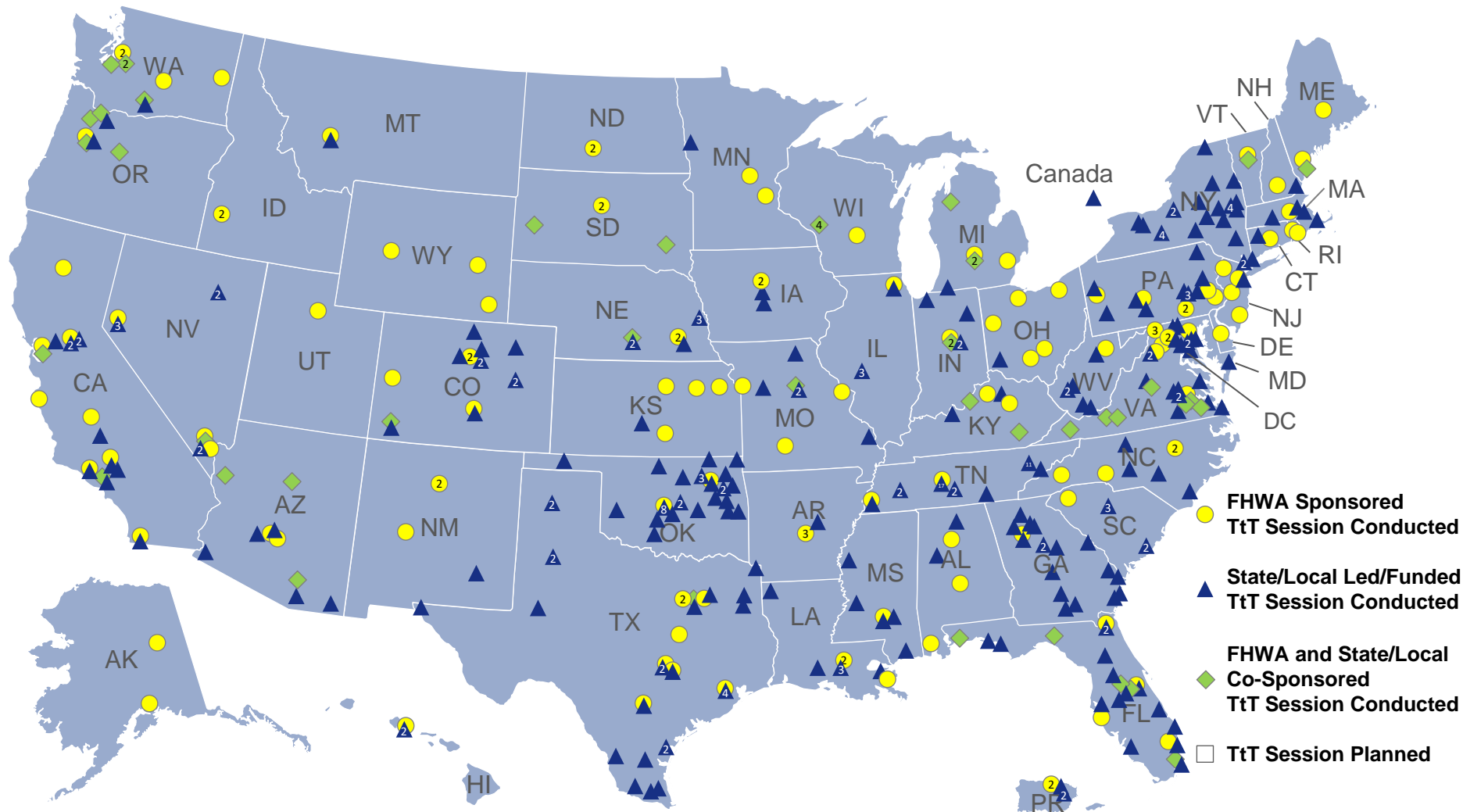


Total Trained: 472,452

TIM Training Program Implementation Progress

Train-the-Trainer (TtT) Sessions

- As of April 20, 2020

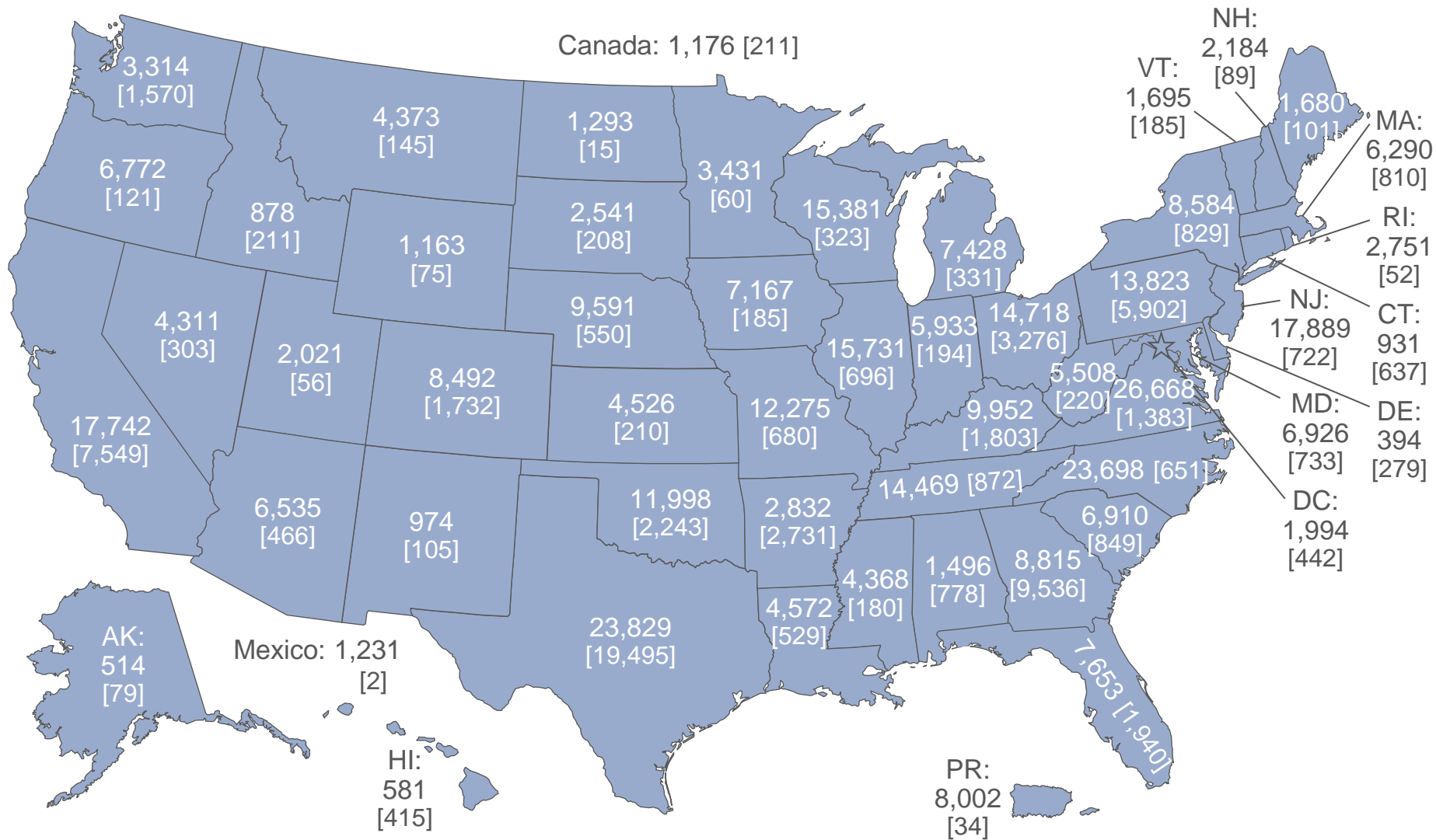


462 Number of TtT Sessions Conducted

TIM Training Program Implementation Progress

Responder Training: In-Person & WBT

- As of April 20, 2020

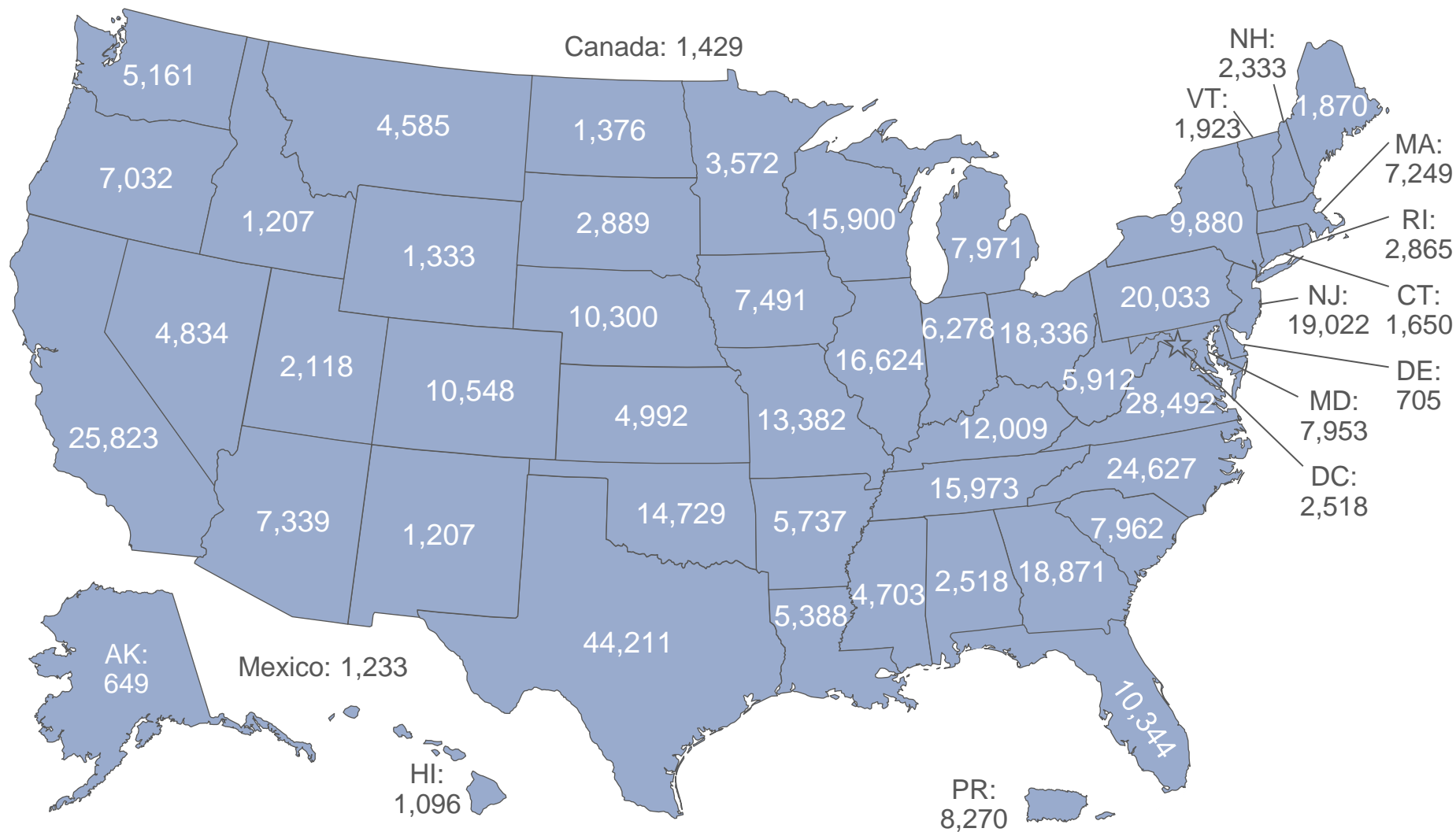


Number of Responders Trained: In-Person - **386,003** Web-Based Training (WBT) - **[73,793]**

TIM Training Program Implementation Progress

Total Trained

- As of April 20, 2020

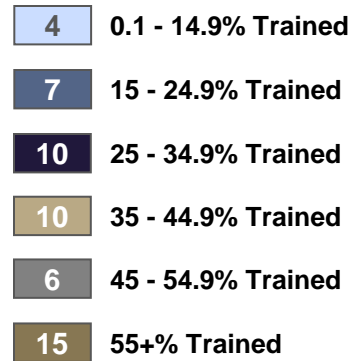
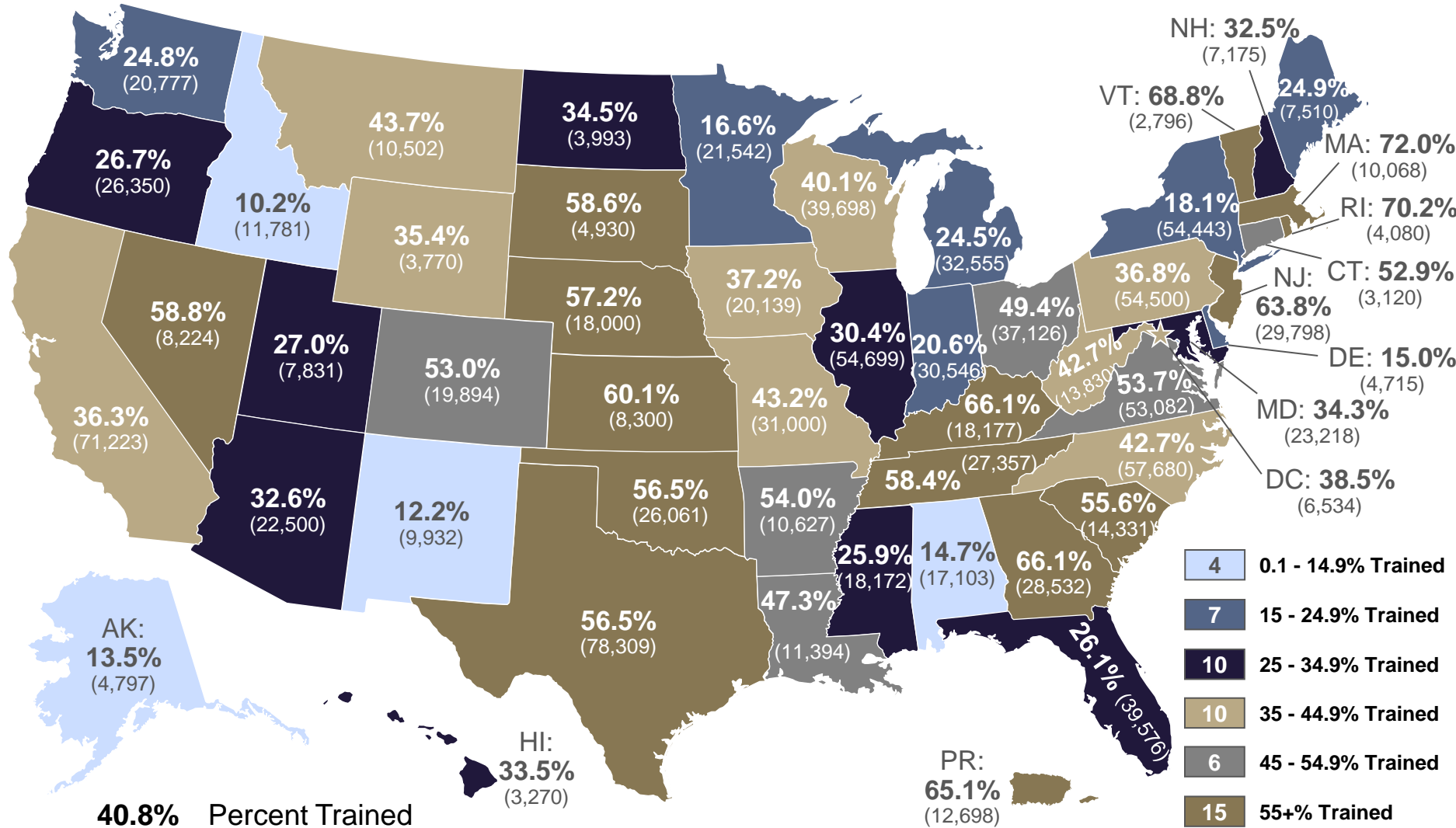


472,452 Total Trained

TIM Training Program Implementation Progress

Percent Trained – Goal of 45%

- As of April 20, 2020



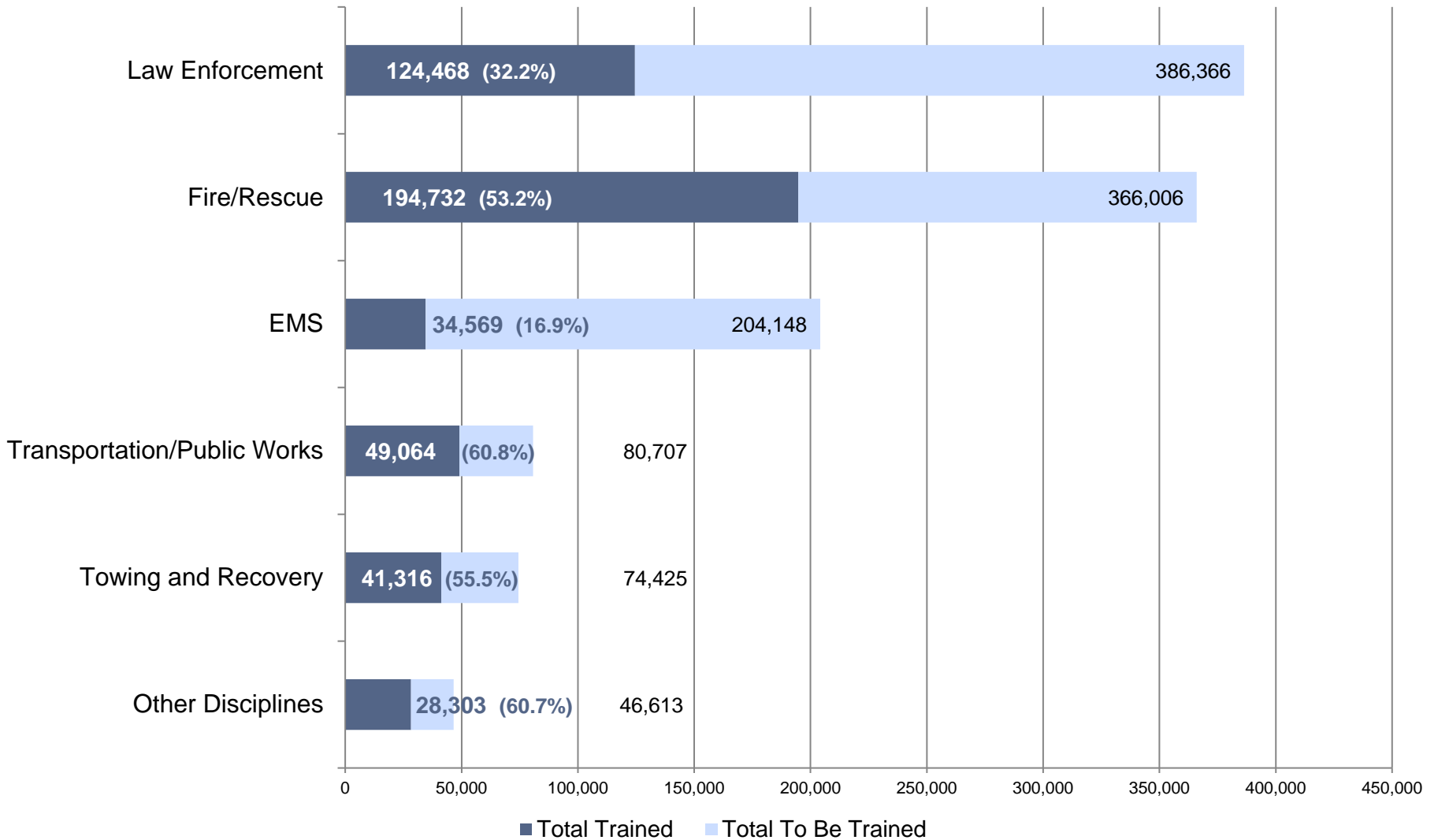
40.8% Percent Trained

(1,158,265) Total Responders To Be Trained

TIM Training Program Implementation Progress

Total Trained By Discipline

- As of April 20, 2020



* The NHI WBT total for the time period between 10/01/14 and 09/30/16 is reported as "Other Disciplines"

NTIRAW

November 8-14, 2020

Police | Fire/Rescue | Emergency Medical Services | Towing & Recovery | Transportation/Public Works

National Traffic Incident Response Awareness Week



**2020 Theme
TBD**

FHWA Office of Operations

Thank you, be safe!

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