



Federal Highway Administration

Talking TIM Webinar

January 26, 2022 | 1:30-3:00 PM EST



U.S. Department of Transportation
Federal Highway Administration





Today's Webinar

- 1:30 PM** **FHWA TIM Updates**
Paul Jodoin and Jim Austrich, FHWA TIM Program
- 1:40 PM** **Illinois TIM Program Overview and Training Video Use**
Robin Helmerichs, Traffic Incident Management Coordinator at Illinois Department of Transportation
- 2:00 PM** **Law Enforcement and First Responder Interactions Plans for Automated Driving Systems (ADS)**
Anita Kim, Technology Policy and Innovation, U.S. DOT Volpe Center
- 2:20 PM** **2024 Total Solar Eclipse Planning**
Dr. Kelly Korreck, Program Scientist, National Aeronautics and Space Administration
David Johnson, Road Weather and Work Zone Management Team Leader, FHWA
- 2:40 PM** **Question and Answer**





Update of the TIM Benefit Cost Tool

Stakeholder Workshop on February 28, 1:30-3:30 PM. The workshop will

- Provide an overview of the tool
- Solicit input on the TIM-BC tool
 - Needs and use cases for the TIM-BC and other similar tools
 - Relevance of TIM strategies currently supported by the TIM-BC tool
 - Additional needed TIM strategies (e.g., CAD Integration, Video Sharing, etc.)
 - Tool usability
 - Data needs and feeds
 - Benefit and cost estimation methodologies





Ongoing FHWA TIM Research & Projects

- Responder and Other Roadside Worker Safety
- Responder Struck-By
- TIM on Rural Roads
- Next Generation TIM





February 23 Talking TIM Webinar

Collaborating with a National Media Company to Promote Motorist and Traffic Incident Responder Safety in Nine States

Todd Liess, TIM Coordinator, Pennsylvania Turnpike Commission

TIM Video Sharing Use Cases: Findings from the Recent EDC-6 Next Generation TIM Workshop

Joseph Tebo, FHWA TIM Program

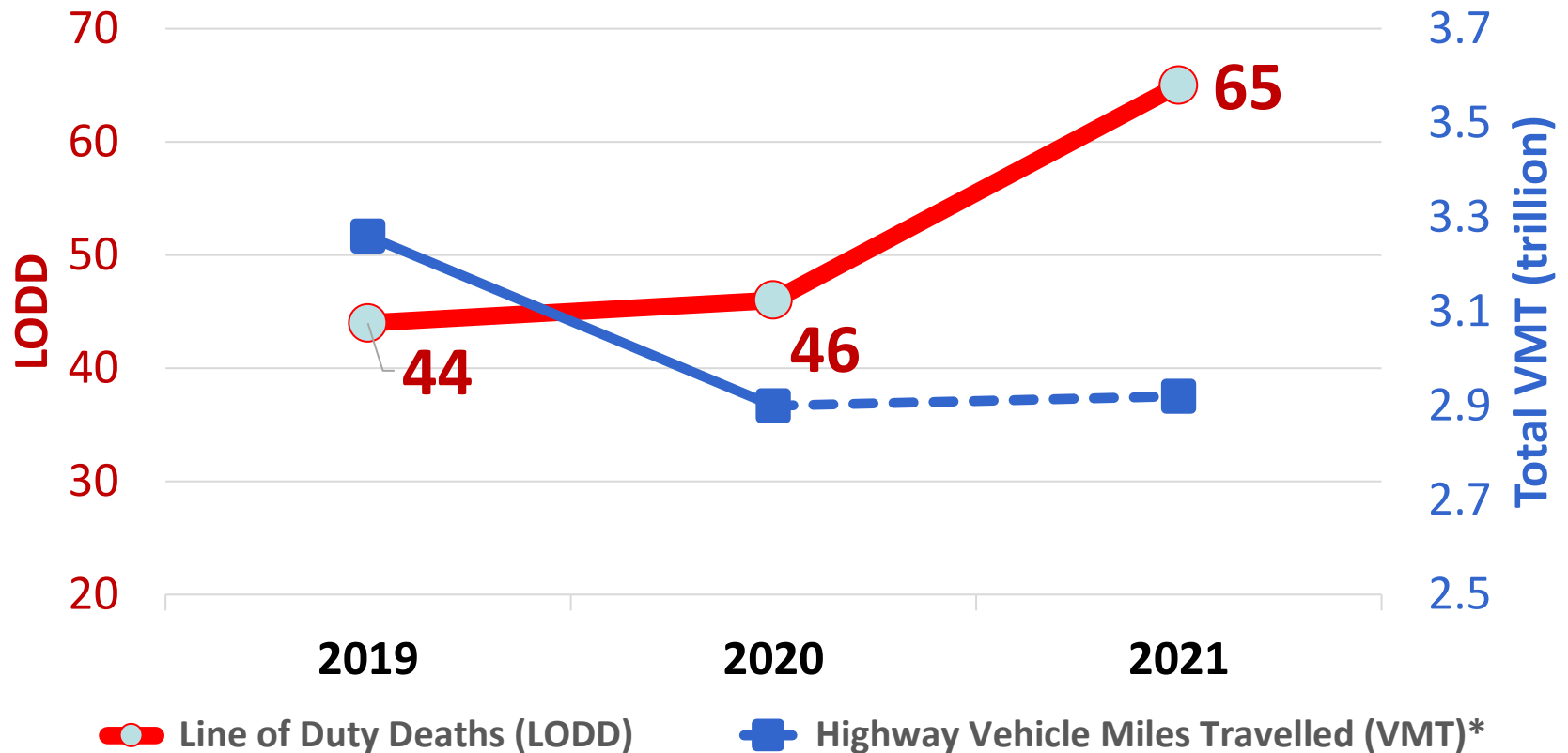
TRACS and MACH: Software to Simplify Electronic Crash Reporting and Computer Aided Dispatch (CAD)

Josh Halterman, National Model Program Manager, Iowa DOT





Line of Duty Deaths and Road Travel

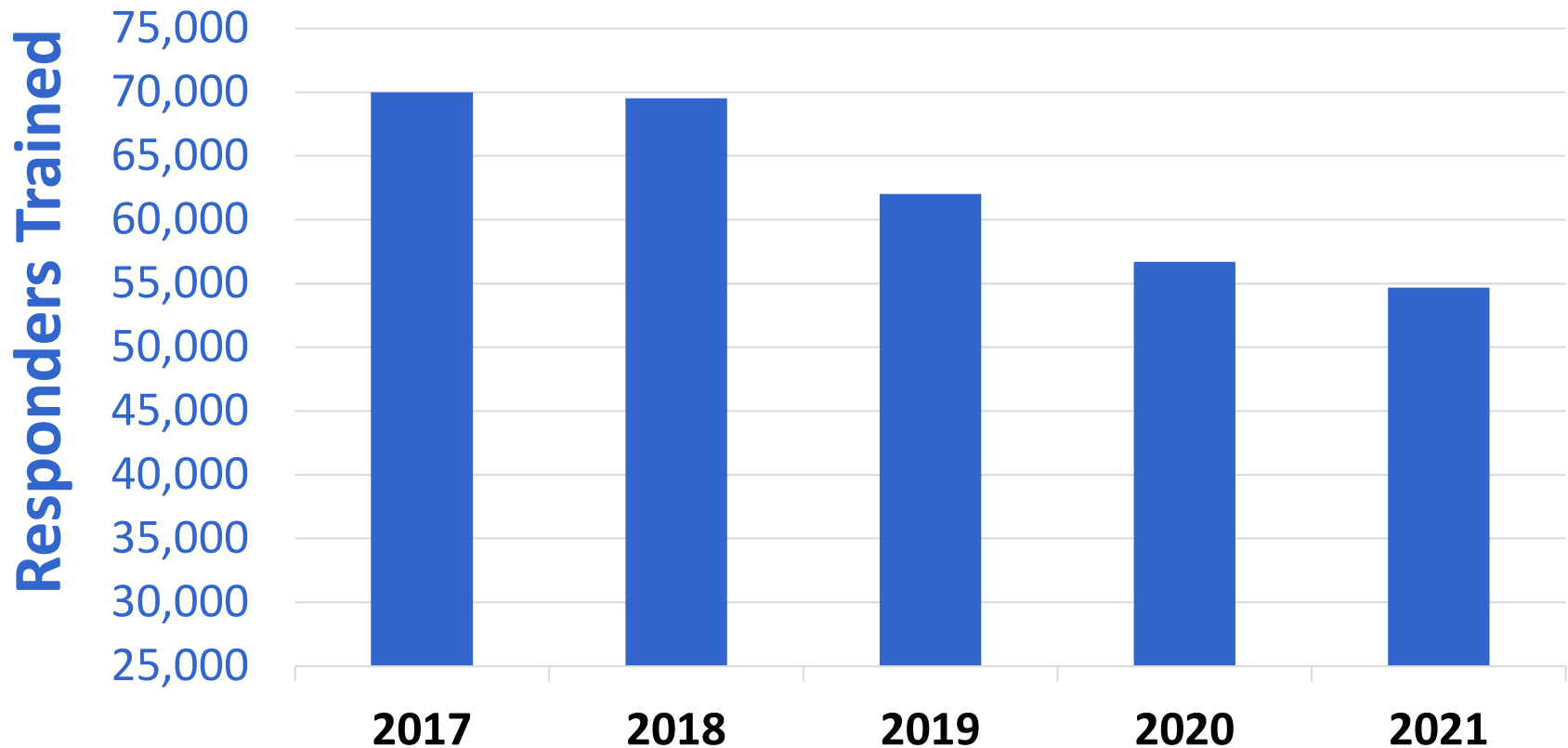


*Year 2021 VMT estimated based on BTS baseline VMT Spring 2021 growth forecast





Responders Trained: 565K from 2012 to 2021



National TIM Responder Training Program Implementation Progress

- As of January 18, 2022



Train-the-Trainer Sessions

- 512 sessions with 13,449 participants
- 23% of participants have provided training



In-Person Responder Training

- 18,910 sessions with 430,152 participants



Web-Based Training (WBT)

- 121,869 Total | 79,180 NHI | 11,128 Other
- 31,561 ERSI Responder Safety Learning Network



Total Trained: 565,470

FHWA Sponsored Virtual Train-the-Trainer Sessions

Option 5: Morning Two-Day West Coast - COMPLETE <ul style="list-style-type: none">• Day 1: Tuesday, November 30, 2021 (4 hours)• Day 2: Wednesday, December 1, 2021 (4 hours)	30 participants from 12 States and Canada
Option 6: Morning Two-Day East Coast - COMPLETE <ul style="list-style-type: none">• Day 1: Thursday, December 9, 2021 (4 hours)• Day 2: Friday, December 10, 2021 (4 hours)	32 participants from 16 States
Option 7: One-Day West Coast - COMPLETE <ul style="list-style-type: none">• Day 1: Thursday, December 16, 2021 (8 hours)	31 participants from 12 States
Option 8: One-Day East Coast - COMPLETE <ul style="list-style-type: none">• Day 1: Wednesday, January 12, 2022 (8 hours)	48 participants from 15 States

FHWA Sponsored Virtual Train-the-Trainer Sessions



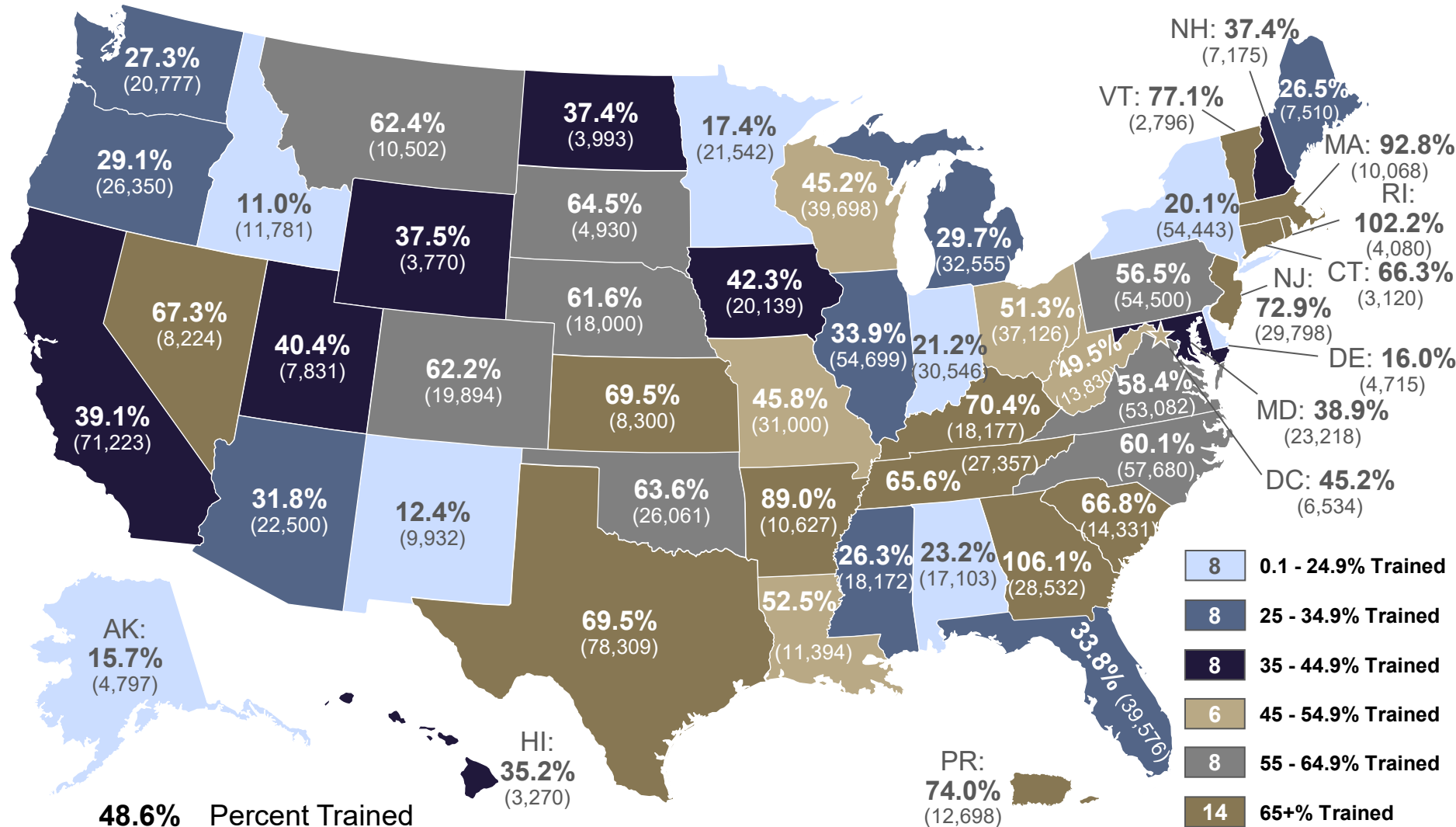
THANK YOU!!!!!! to our trainers:

- **Todd Leiss**, Pennsylvania Turnpike Commission
- **John Sullivan**, Tennessee Department of Transportation
- **Mark Brown**, Maricopa County Department of Transportation
- **Angela Barnett**, Arizona Professional Towing & Recovery Association
- **Jeff King**, FHWA – Arizona Division
- **Grady Carrick**, Enforcement Engineering

TIM Training Program Implementation Progress

Percent Trained – Goal of 55%

- As of January 18, 2022



48.6% Percent Trained

(1,162,375) Total Responders To Be Trained

TIM Training Program Implementation Progress

State Progress Since Last Report

- Between 01/03/22 and 01/18/22

State	Total Trained as of: 01/18/22	01/03/22	Progress Since Last Report
Texas	54,405	54,156	249
Montana	6,554	6,322	232
Georgia	30,264	30,035	229
Pennsylvania	30,809	30,648	161
Kansas	5,772	5,637	135
Utah	3,162	3,059	103
Arkansas	9,461	9,400	61
Wisconsin	17,949	17,894	55
North Carolina	34,655	34,606	49
Oklahoma	16,573	16,526	47
Colorado	12,381	12,341	40
New York	10,927	10,891	36
California	27,835	27,803	32
Florida	13,374	13,346	28
Maryland	9,034	9,006	28
South Carolina	9,570	9,544	26
Tennessee	17,952	17,929	23
Oregon	7,672	7,650	22
Nevada	5,533	5,515	18
Rhode Island	4,170	4,153	17
Missouri	14,211	14,195	16
District of Columbia	2,955	2,940	15
Illinois	18,554	18,540	14
Virginia	31,014	31,000	14
Kentucky	12,799	12,787	12
Michigan	9,653	9,641	12

State	Total Trained as of: 01/18/22	01/03/22	Progress Since Last Report
Louisiana	5,986	5,976	10
New Jersey	21,714	21,704	10
Alabama	3,973	3,966	7
Idaho	1,291	1,284	7
North Dakota	1,493	1,487	6
Connecticut	2,068	2,063	5
West Virginia	6,841	6,836	5
Washington	5,670	5,666	4
Maine	1,988	1,985	3
Massachusetts	9,339	9,336	3
New Hampshire	2,685	2,682	3
Ohio	19,063	19,060	3
Delaware	756	754	2
Indiana	6,491	6,489	2
Wyoming	1,415	1,413	2
Arizona	8,459	8,458	1
Iowa	8,528	8,527	1
Minnesota	3,738	3,737	1
New Mexico	1,234	1,233	1
South Dakota	3,178	3,177	1
Vermont	2,155	2,154	1
Alaska	755	755	0
Hawaii	1,150	1,150	0
Mississippi	4,774	4,774	0
Nebraska	11,087	11,087	0
Puerto Rico	9,399	9,399	0

TIM Training Program Implementation Progress

Top Ten States Since Last Report

- Between 01/03/22 and 01/18/22

State	Total Trained as of:		Progress Since Last Report
	01/18/22	01/03/22	
Texas	54,405	54,156	249
Montana	6,554	6,322	232
Georgia	30,264	30,035	229
Pennsylvania	30,809	30,648	161
Kansas	5,772	5,637	135
Utah	3,162	3,059	103
Arkansas	9,461	9,400	61
Wisconsin	17,949	17,894	55
North Carolina	34,655	34,606	49
Oklahoma	16,573	16,526	47

TIM Responder Struck-By Fatalities

SURVIVAL ALERT UPDATE

- 4 fatalities have occurred since Jan 1, 2022.

3 - Firefighter/EMS Personnel

1 - Law Enforcement Officers

0 - Towing & Recovery Personnel

0 – Road Service Technician

0 - DOT/SSP

0 – DPW



➤ **Injuries could be 100 times greater!**

Call to Action! Consider Web-Based Training Options:

- 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)



Federal Highway Administration

Planning for 2024 Solar Eclipse



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Office of Operations Program Support

- Road Weather Management
- Work Zone Management
- Traffic Incident Management

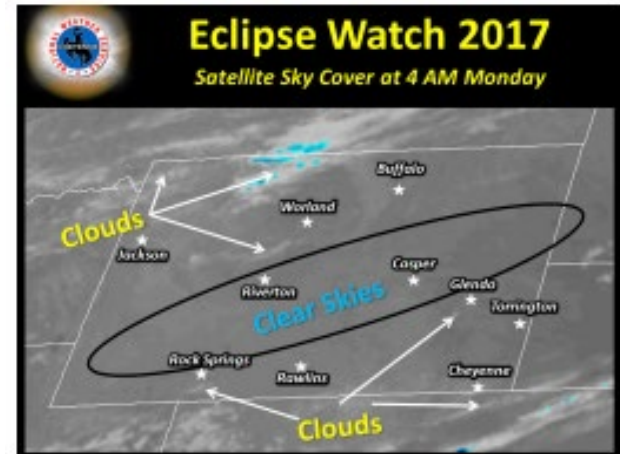


Road Weather Management



U.S. Department of Transportation
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- Pathfinder: A collaborative communication strategy effort between agencies (DOTs, National Weather Service, law enforcement, etc.) to establish concise, consistent impact messaging to the traveling public. .
- Regular public messaging updates on 511 and other traveler resources is critical as road weather impacts can change quickly (visitors to your state may be unaware of DOT website and social media resources).
- Forecasted cloud cover, visibility and precipitation will impact travel patterns and route decisions.
- Case Study example: Wyoming DOT using Pathfinder and Weather-Responsive Management Strategies to mitigate 2017 Total Solar Eclipse impacts.



The National Weather Service provided daily forecasts to WYDOT via email. (Source: NWS)



Wyoming Department of
Transportation Total Solar Eclipse
(2018): Pathfinder Case Study
<https://ops.fhwa.dot.gov/publications/fhwahop18033/fhwahop18033.pdf>

ROAD WEATHER
MANAGEMENT PROGRAM
OFFICE OF OPERATIONS





Work Zone Management

- Implement appropriate work zone management strategies to minimize traffic impacts
 - Transportation Management Plans (TMPs): Update plans to incorporate mitigation strategies prior to each eclipse event
 - Smarter work zones (SWZs): Encourage use of queue warning systems, ramp metering, dynamic lane merging, work zone travel restrictions leading up to and including the day of the eclipse, etc.
- Each eclipse can be viewed as a planned special event which makes advanced communications with impacted stakeholders critical
 - Law enforcement, construction contractors, freight associations
- Performing traffic analysis on previous planned special events could inform DOT decisionmakers on how traffic might behave during the eclipse and to identify recurring problem areas





Traffic Incident Management

- Contact and encourage State, Local and Federal Traffic Incident Management (TIM) Transportation, Public Works, Police, Fire/Rescue, Emergency Medical Services and Towing & Recovery stakeholders to develop response/operational plans for increased traffic pre, during and post event
- Establish informal national TIM solar eclipse working group of state TIM leaders directly impacted
- Encourage State DOTs to implement ITS plans, use of fixed and portable Changeable Message Signs, portable CCTV, Safety Service Patrols etc
- Share TIM best practices for Planned Special Events (PSEs)





Upcoming Events and Useful Info

- **April 19, 2022** NOCoE will host the 2024 Solar Eclipse webinar including:
 - In-depth presentation from NASA
 - Emergency Management Agency approach to Solar Eclipse, and
 - NOCoE Planned Activities and Resource Page
- **NASA** 2024 Solar Eclipse webpage is being updated
- **[American Astronomical Society](#)** coordinates a local Planning Working Group





FHWA Contacts and Resources

- David Johnson – Road Weather and Work Zone Management
 - David.Johnson@dot.gov
- Jim Austrich – Traffic Incident Management
 - James.Austrich@dot.gov

Road Weather Management: <https://ops.fhwa.dot.gov/weather/index.asp>

Work Zone Management: https://ops.fhwa.dot.gov/wz/traffic_mgmt/index.htm

Work Zone Management Clearinghouse: <https://www.workzonesafety.org/>

Traffic Incident Management: <https://ops.fhwa.dot.gov/tim/>





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