So, What Are We Doing?

- Training
- Public Outreach
- Increased Situational Awareness
- Meet with your fellow responders!
- Joint SOP/SOG

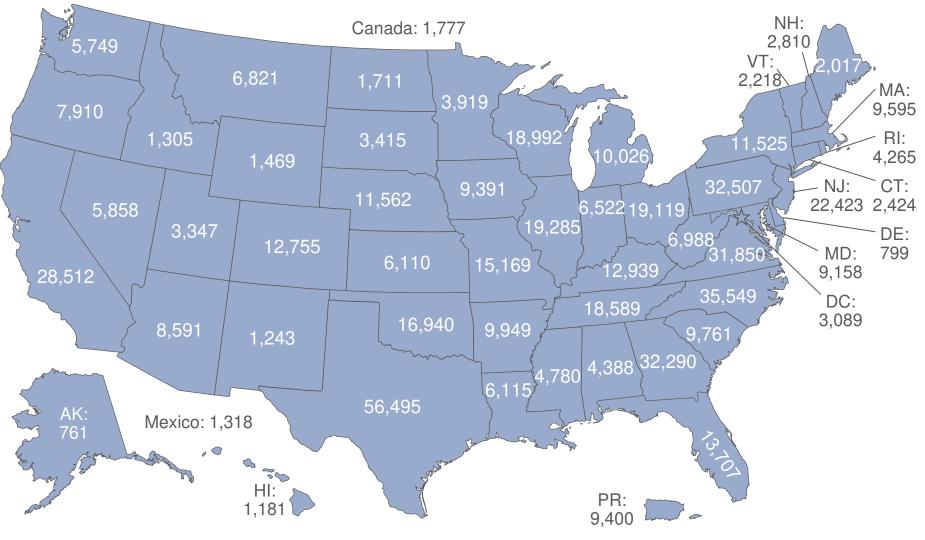
One Vision

One Voice

1-95 COTTUOT COAILLION

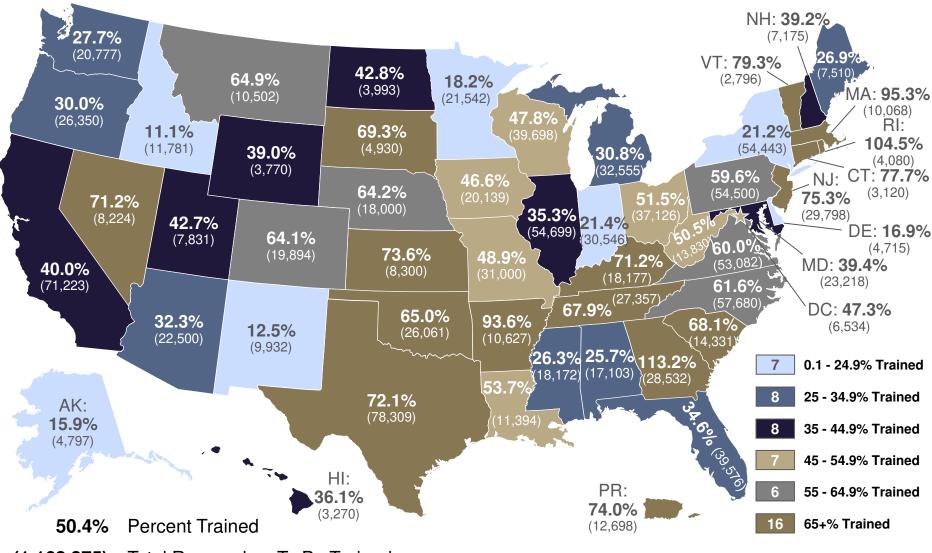


TIM Training Program Implementation Progress Total Trained - As of May 23, 2022



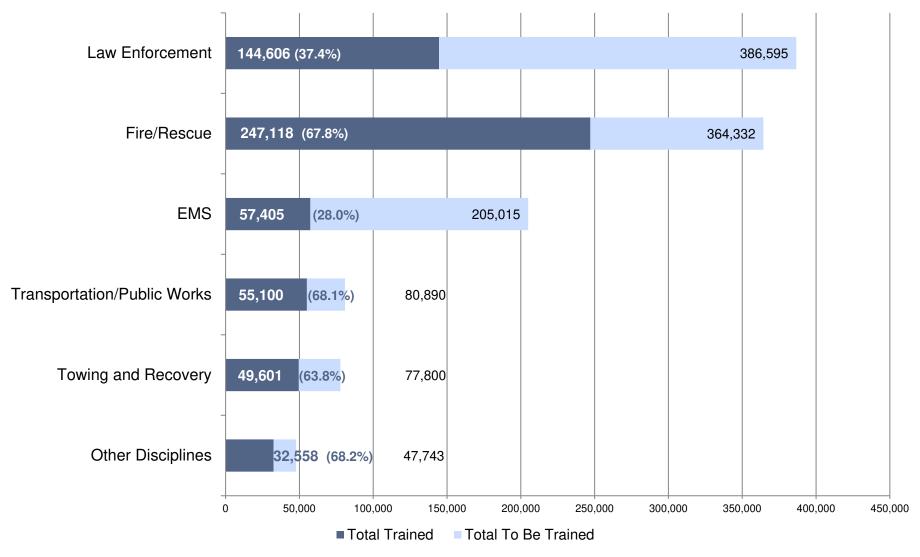
586,388 Total Trained

TIM Training Program Implementation Progress Percent Trained – Goal of 55% - As of May 23, 2022



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

TIM Training Program Implementation Progress Total Trained By Discipline - As of May 23, 2022



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

Cumberland Valley Volunteer Fireman's Association





Parent Organization of the Emergency Responder Safety Institute



www.respondersafety.com

One Vision

One Voice

ResponderSafety.com



The Emergency Responder Safety Institute of the Cumberland Valley Volunteer Pleamen's Association , provides the Responder Safety Learning Retwork to further the National United Geal fair Traffic Incident Management by providing FREIT, voted, multidecipienary training and resources to all readway emergency responders — fire, police, EMS, Fire Police Units, DOT, and thering and recovery.

The Responder Safety Learning Notwork uses text, audio, video, graphics, and animation to deliver the plactical training content that all responders can use to atay safe when operating on the readways.

Training Module: Automore Vehicles Bernen Working Emiline Projections at Readware Institutes **Contentied Vehicles** Firs Inverse Collaboration with Disarray & Recording Contailing righ stall for how spring tomore for First Security on Paiettic Countriest Productional Into Enforcement and Math Vaciation 1993. Manual and Uniferry's Staffe, Constant Demons Shid More Flat Work # Surgional Untilled Goal for Treffix Inchinist Macagement Parissing hat the Long Term Loant Become restant Practices for TMA 2007 Paultery Schladt Operatorial Infate for 1978 Provideri Investment Jockferst, Safeta, Consulag, Guildiance, Nor, Dire Millionta Syle Fire Service Traffic Contrar Practices Schetz Springe Patrols' An Violand Blaid Partner Internal Local Auf Ine and Ro Scient Conceptions (Upbelling Ammonian Setting the s Traffic bickbook Management 2148 Subraty Christante Saleta have by Chromitaly of Safe Operations has yoknike Blog Revolution and Meriles and Justicipits x TIM Countilities Taxonation The Fort () Minutes at Biology Andrew Title For The Name General States Traffic Incident Management et Banal Roads Earth Andrew Management Responses in HPA 2000 Tooffic publicst Microground: Jacobics Conversed & Margaren an and Staffic included, Alternationet, Modal Practices & Proceedings Tadita incident Minesenergy, Statistica for Public Sciences Vesterativening MAPA 2021 Within to Charget all Providence Heldoort Sciences **Upcoming Programs** the Public Safety Talesconcentering Role in Roadway, Safety

Resource Catagories Advanta Winning Roubles / Late Pecklorme that Vicinity PPT Highters Lans Divignations million Comment Ressons IN IS 7 Million Dise of Dwine Deattine siz 2020 Nacional Method Sent - 1996 President and Southers, Profermaters Terminette Public I describe Acres 10 Teleta Léongritice Modercial THE Drive Mont Over Land 105,0000 Proof the build state Traffic Incident Mahadatain Trabeba Weinstein Othersportung 1587-1700 and Machines WHEN FROM

Video Segmenta/Public Service

Anopuncementa

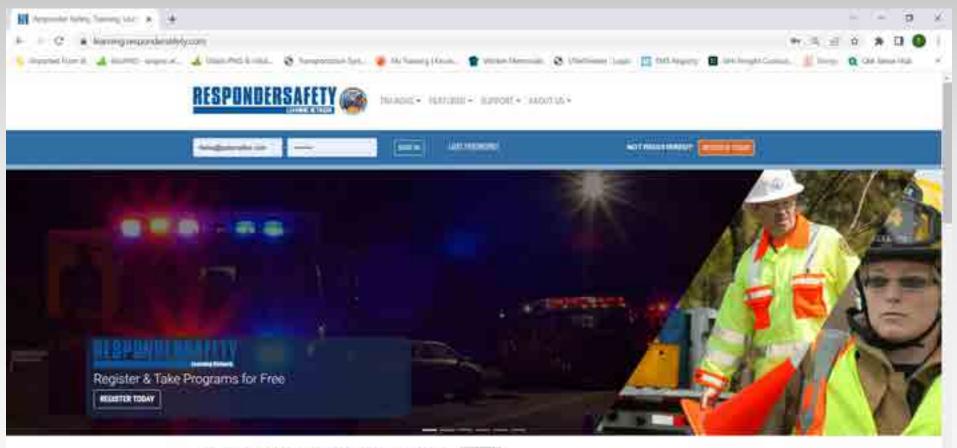
Mines D Densi Diese Mines Sone polisie Risck Oncident Berning Sone for Sone Die Apriliations Density of Sone Die April Themaries for Sone Die Sone Themaries for Sone Die Sone Die Sone Themaries for Sone Themaries for

Visit Our Website: Respondersafety.com

One Vision

One Voice

Responder Safety Learning Network – RSLN.org



AL WALLARDER TRANSPORT PROVERAND

Free Online Training!

One Vision

One Voice

National TIM Certificate – Respondersafety.com

Through a special agreement with the Federal Highway Administration, the Responder Safety Learning Network (RSLN) offers a National TIM Training Certificate for registered users who complete ten specific RSLN online self-paced programs.

To earn credit for each program, you must view the program in its entirety and pass the Skills Challenge test. Once you earn credit for all ten programs, you will be able to download a special certificate that is the equivalent of completing the National Traffic Incident Management Responder Training Program.



Advance Warning

This module discusses the concept of advance warning, its benefits, and how to Implement a range of advance warning devices.



Blocking Procedures at Roadway Incidents

This module discusses the concept of blocking, why it is important, how to determine whether linear positioning or block positioning is appropriate at a given incident.



High Visibility Innovations

It is widely known that the visibility of responders is a key factor in safe emergency operation on the roadways



Manual on Uniform Traffic Control Devices (MUTCD)

This module highlights and explains in plain language the portions of the Manual on Uniform Traffic Control Devices (MUTCD) that apply to first responders working roadway incidents.

Free Online Training!

One Vision

One Voice

National TIM Certificate – Respondersafety.com



Move It or Work It

The module relates the Move It Work It decision to safe, quick clearance and the National Unified Goal.



COMPLETED

See and Be Seen: Emergency Lighting Awareness

This module presents best practices in deploying emergency optical warning devices, called here "emergency lighting "



Page 1 Circumstance

Special Circumstances: Safe Operations for Vehicle Fires

This module discusses the safety and traffic incident management challenges of vehicle fires and options for responding to these challenges.



Special Hazards

This self-paced program discusses the traffic incident management impacts of several special circumstances. HAZMAT, medical helicopters, vehicle extrication, and crash investigation



Termination

This self-paced program begins with a review of foundational knowledge about the definition of the termination phase and quick clearance strategies Then, the program covers best practices for typical tasks in the



Traffic Incident Management: Incident Command & Management

This module discusses the use of the Incident Command System (ICS) to manage the response to a roadway Incident, both in the context of the Traffic Incident Management (TIM) Team and implementation at the

Free Online Training!

One Vision

One Voice

Additional Law Enforcement Training Resources



Who's in Charge at Roadway Incident Scenes?

This sell-paced program exeminive the question. "Who's in Charge at Roadway Incidents?"



Autonomous Vehicles

In this program, you will learn the basics of autonomous vehicle technology, the challenges and opportunities it presents to emergency responders, the current state of technology development



Connected Vehicles

In this program, you will learn the basics of connected vehicle technologies, the challenges and opportunities they present to emergency responders, the current state of technology development.



Traffic Incident Management on Raral Roads

This self-paced program presents information on how to tailor score roadway response best practices to the characteristics of rivel roads.



COMPLETED

Professionalism and Leadership in Roadway Incident Response

This program delives into the topic of professionalism at the organizational and personal level to give both leadership and boots on the ground responders



The Public Safety Telecommunicator's Role in Roadway Safety

This module presents ways to better integrate public safety talecommunicators into the rawiway incident response team



Who's in Charge at Roadway Incident Scenes?

This self-paced program examines the question, "Who's In Charge at Roadway Incidents?"



Traffic Incident Management: Strategies for Public Outreach

This module sets forth a series of vettad test practices for drivers to follow when encountwing emorgoncy scenes on the coadway.

Free Online Training!

One Vision

One Voice

In-Person Training



One Vision

One Voice

Coming Soon – VR TIM/UIC Training



Jacobs









One Vision

One Voice

Be Seen at the Scene!!!



COMPLETED

New Technologies in Emergency Vehicle Lighting

This program examines the history of emergency lighting technology, current trends vs. research, problems with current lighting technologies, and potential solutions to address these problems.



COMPLETED

See and Be Seen: Emergency Lighting Awareness

This module presents best practices in deploying emergency optical warning devices, called here "emergency lighting "



COMPLETED

Law Enforcement and High Visibility PPE

This program summarizes the federal regulations with regard to high visibility safety apparel, examines the objections of law enforcement officers to wearing this apparel.



Innovative Temporary Traffic Control Devices & Methods

This program raises awareness about these new devices, technologies, and methods so departments can evaluate whether these options can be adopted in their communities.

One Vision

One Voice



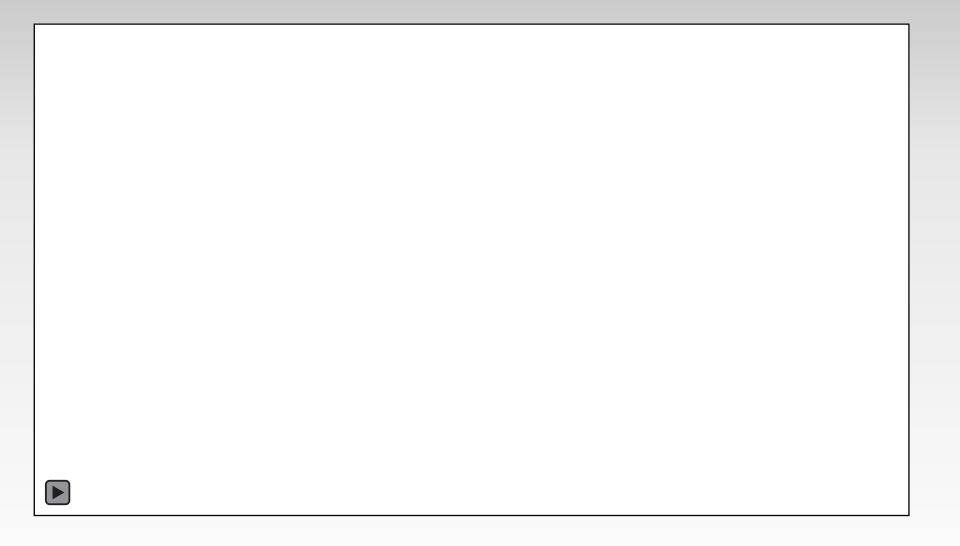
One Vision

One Voice

Γ	٦.
L	

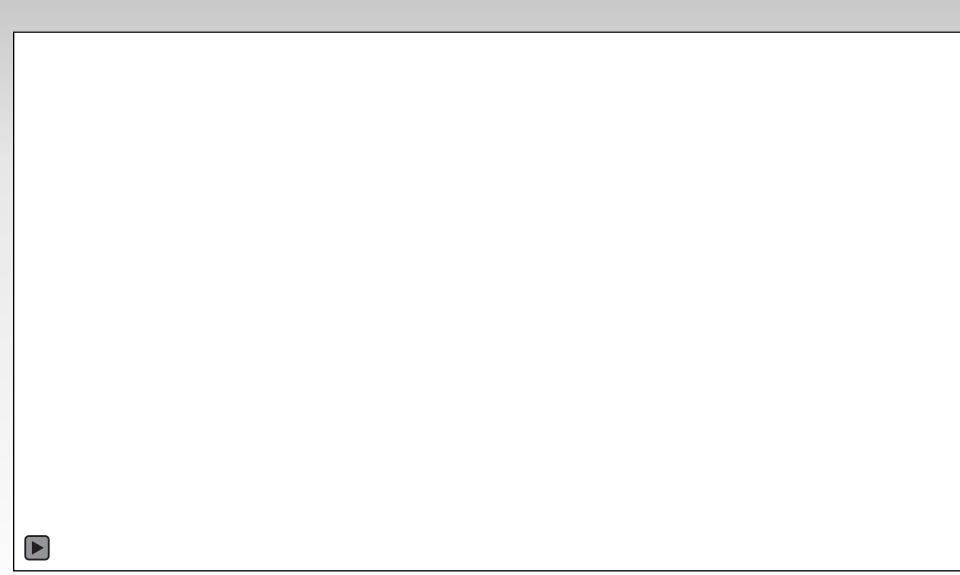
One Vision

One Voice



One Vision

One Voice



One Vision

One Voice

2021 Emergency Vehicle Lighting Study

In December 2021, an emergency vehicle lighting study was published through a contract with the U.S. Fire Administration and the Emergency Responder Safety Institute.

Effects of Emergency Vehicle Lighting Characteristics on Driver Perception and Behavior

Study Report

Emergency Responder Safety Institute



December 2021

One Vision

One Voice

Lighting Study Key Points

Based on the results of this study, it can be seen that higher intensity lights present more glare, but those higher intensities do not necessarily make lights more visible at night.

Lower intensity lights in this study provided practically the same level of visibility as the higher intensity lights, under the nighttime conditions used in the experiment.

Thus, when vehicles are stationary and used in nighttime blocking mode, they should be sufficiently visible with reduced intensity lights.

Using lower intensities at night will reduce discomfort glare without reducing their visibility.

One Vision

One Voice

Lighting Study Key Points

The perceived level of visibility of the lights is related to the color of the lights. Blue and red lights have the greatest perceived saturation and were judged as brighter than white and yellow lights of the same intensity.

The level of discomfort glare also differs between colors; blue and white lights were judged as more glaring, and red and yellow lights were least glaring at the same intensity.

This suggests that red lights for stationary blocking operations would be judged as most visible but produce the least amount of glare, compared to the other colors tested in this study.

One Vision

One Voice

Advance Warning/Temporary Traffic Controls

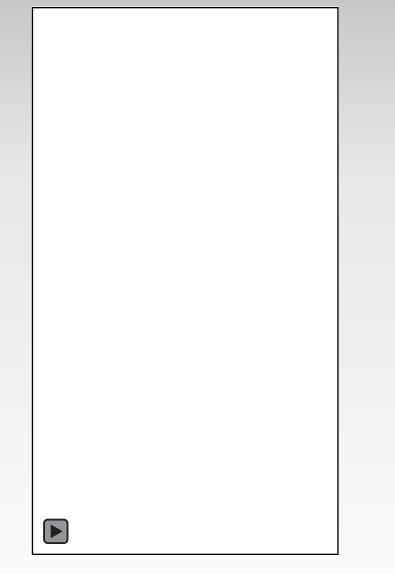
Setting up advance warning for those approaching the emergency scene is critical!



One Vision

One Voice

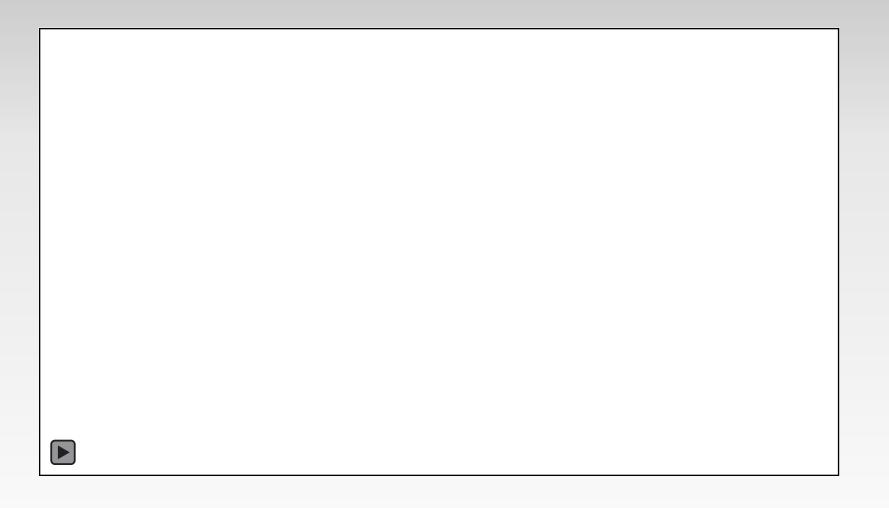
Advanced Technology



One Vision

One Voice

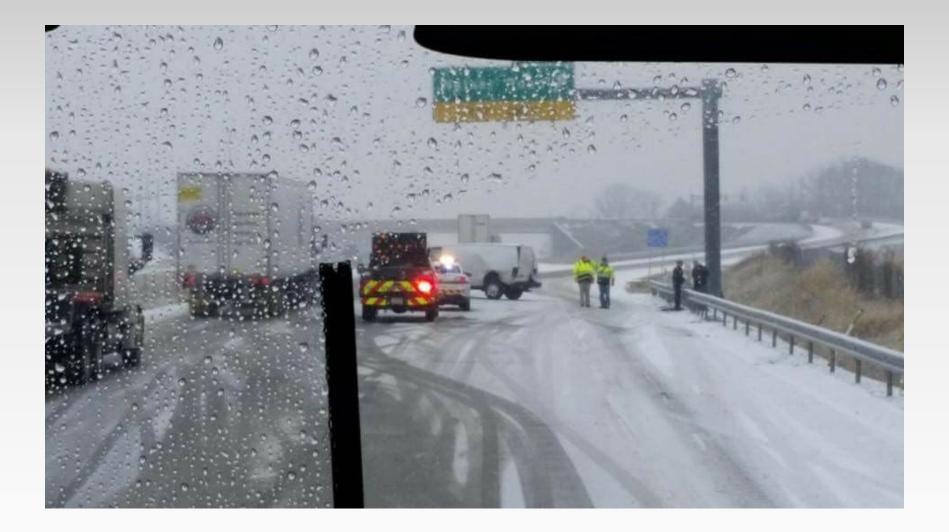
Advanced Technology



One Vision

One Voice

Who's More Visible?



One Vision

One Voice

Be Seen at the Scene



One Vision

One Voice

Set the Example - Be Professional!



One Vision

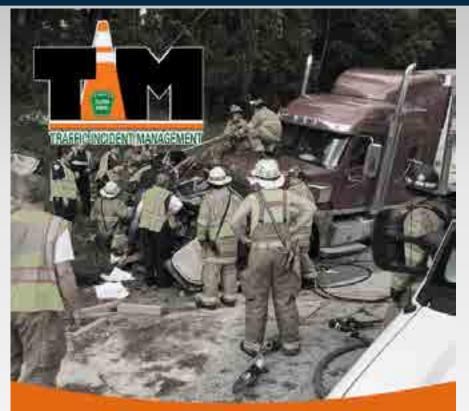
One Voice

Be Seen at the Scene



One Vision

One Voice



Vehicle Crash with Entrapment June 6, 2017 T252 Westbound Post-Incident Hot Wash Report





Vehicle Crash with Entropment & Hazardous Materials Incident Mile Post 281.6 Westbound September 25, 2018

Post-Incident Hot Wash Report Denver Fire Company October 2, 2018



One Vision

One Voice



Fatal Multi-Vehicle Crash January 5, 2020 T85.1 Westbound

After Action Review Report

Presented Dec Permitteners Nationale Diseases



Annoviverial TerripH4 Committee Anno Atticle Review - Tetal AlaO Verifice Species Committee of Incident: Jerview N, 2028 Jacobios: TBE 1 Westbraced

Escillator Todd A. Less Traillic incident Management Cronditator Pennyluasia Tumpika Commission

Attenden

Stramen Alarmaya, Pennsyumna Mara Itala-Alistael Davidson, Fermalwavia Torriphie Commission SchellarRoc, Peresphants furnetke Conversalizer Cyl. James De Facilit, Newspherica State Hilling Brish News, McCushaoA Enterprises Gene Good, Westmaneland Solinty ETM. Spott (Frankry, NUMAR ARE EAS) Cory Streng, Michael Span trol. Cpl. Design Harrill: Pervise/service Harly Philips Settl: Helman, Roungwood File Company Wittigen Hillward, Permayhanka Tarripke Commission Namen Rest, Perrophania Tamphol Commins-Box Solari, Permissivania Sumarite Commissioni Podd Leive, Renvwhiettie Tumpike Continiesson swy juda, MI, Pleasant Fire Company Calefo McCutttoois, McCuttheest Enterprises Bull Mertz, Wettmonland County DPS

Konneth Nerth, Hennepuerte Turnpile Commission Michael Fool, Dennepuerte Turnpile Commission Childhacher Packer, Percenylvenik Turnpile Commission Alth Farcis, Percenylvenik Turnpile Commission Li. Baell Rosel, Percenylvenik Turnpile Commission Coll. David Koland, Neuropilenik State Police Dave Roberd, Remenylvenik State Police Dave Roberd, Remenylvenik Turnpile Commission Tradi Schlar, Percenylvenik Turnpile Commission Polici Turni, Percenylvenik Turnpile Commission

Dave Wills: Drive Eighteering

Tel: of californi

Or April 11, 2020, representatives York methods agencies that to participate to a point occloser Africa Action Review for a Mana Cassifily replaced (VAC) which occurrent at trate paint TBC Line the webbound denti of the Performation Tompian or a survey 9, 2020. A MAC to participate the performance of the transition or approximate the restaurum control to webbit the number of assurances. Due to the objecting EDVID-18 surveyers, all participants met an animal restaurum the restaurum control of participants met an animal to the objecting EDVID-18 surveyers, all participants met an animal restaurument to Case WebCa. The survey and the survey of control of surveyers and the surveyers webbits.



regentions and recommendations resulting from the AAH to have at region data continuity stars on FigHs incident Management analyzes

tablent Summer's

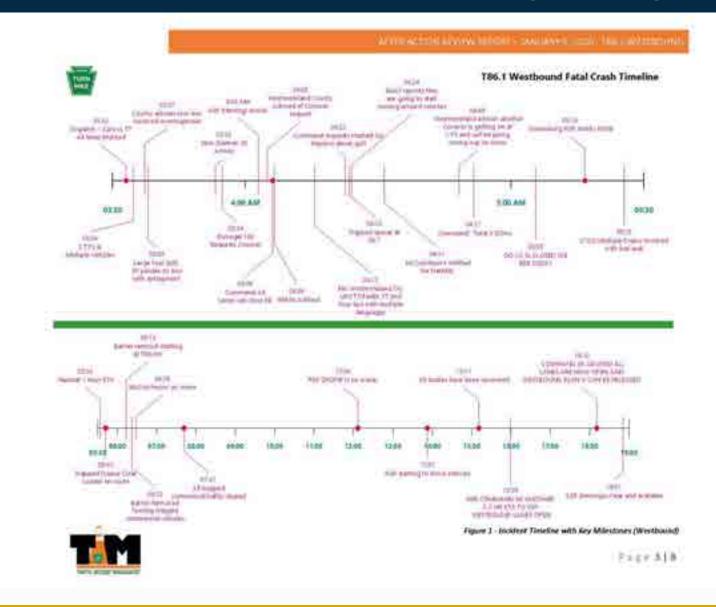
forbal balls for a service mark at rear over THE 1 Weakboard begin cooking lists the PATuropile Traffic Development at 2 20eh renarrows 5, 2000. Prefix they reports holisized a wurtil enrote previous with hourist blocking living, he enerwithin the first for interview the precision of the precision became timer, with reports holisizing multiple semment at enhance.



210.00

One Vision

One Voice



One Voice

All Together

One Vision

the second se

30miatta

- B-2-4 disaccosts atrong work with interviewing crisic alctire for shifts some size-se-
- Use of a common TAC channel resulted in excellent communications.
- Use of articlinated "Soble Giani" ladining to safety traverse mediat barriers.
- Timely dispatch of readed resources Plantpike Mainteneron Logitaria
- Use of UASSR stash reconstruction.
- Rewing & Recovery participation in the Unified Instant Command attucture.
- Use of Cangurage Une services to deemoniar language literal-selfs societies.
- . Fripilitity of patients thage and transport.
- Large fun rissources mede available for unettering election.

Artst by institute att

- Accountability for services in Temples Service Research mapping coll-offs, and introders surfage contractions improve speciations. Which is located in the twenty the parameters of a Ten X must be advected to the advect improvements account improvement which a traveling increasing the the twenty traffic files.
- Need to sways confirm contraliow important information with PA Tempike Traffic Operations Center to assist
- octional conduction from 9.5.3 dispetchers who may not be familiar with type to familie the information.
- Balance HarMed response actuallies with investigative activities to allow improved access for milligation of uplin.
- Strengthen UK structure to rotantile regettlier questions in g. "Now long until the road to seened?")
- Training numerical and preparent control to including features where endotion routh the comprovision.
- Digitize efficiency with covering podes of Galaty injuried withins.
- · Neep critical resource motion: Bits (e.g. transit agricules) up to date
- Itemping for overobring language tarrens.
- Consider increased communication with the Federal Highway Administration (HWA) for MCI asserts on the memorylastic Turnella

Danes.

 Respective lowing loads were identified. However, the empirisons of constantly yetting responder thermal resolution is were identified.

Area really and

- metal response and parts due to PA Tumpile 34 Now write operations. What would be different if this occurred multiple of write- statis?
- Add Serving Motors to coopy requests list for tweets. [This Replaces completed as of Warraport].
- Additional UAS issuences to work conflicts in the event two mapping condents occur emultaneously.
- Constant standard bling the practice of removing laamer institum during large stale events to faillifule event movement for responders arms the entity roomeo
- Consider using Language Line more Pressently and deserva the charts to help with language law term.
- Consider all space statisticities for inertia tellicopters arent builds are reposed.
- Develop a puripraherative MCrajani for initialization infined across Highways.
- To miniful of the potential afflerence in transposer interaction for similar inclusions that may recent on eestalage.



One Vision

One Voice



Pennsylvania Traffic Incident Management Enhancement

AFTER ACTION **REVIEW REPORT**



L.O.D.D. Incident Interstate 76 West Mile Marker 335 July 24, 2021

> **Prepared for:** Lower Merion Township Fire Department March 15, 2022



Atte: Acoon Revetwilliport 1000 section - July 24, 2021

The Lowder Maximir Township Net Department (LMT70) in Montgomery County, Perentyhereis is completered to an advector for appartments reveals a geographic status approximately 25 moves mine which includes internative PUSchwillië Experiment, Orlandary5, 2032, tepresentatives have makiple agendational to participate # 4 After Active Naview for a multiplications which accorned at unite marker 385 on 176 (Schuellall Experiments) Westbaseric on July 24, 2023 and resulted in the clear of Sciences Hills Herefighter Tank Asym. Mille responders once working the primate: has seen and, a recorderport it courred with same location resulting at instance to well gloring precises and the muth of Resignee React. Mor to the AAI area ting, a runner with dividing to a proop of respondents to identify large tools error undtopics to only the discussion. This report will summarize the focustor and the length represented moving both provider and outline suggestions emirationmentiations consisting from both the moving and the AAI meeting to set all responses an optimally approving 114% poisses Management greenics.

Meeting Facilitators

Eric Rickenback (Tentus Tech/PerintTMA) Rich Cadlert Retour Yesh/Nenn714H Dave Welfer FocelT1MB

The AAC bustoning terms preterially at broaking on the following participants for their called access to the countypeners of this diport.

Long L Advopted

Mercy Annill Services Milefra Demogra

factor access A& Science Comments United and internet, Personnel & Res Part of B Nate Borbit, Marrighters Covery Completeler And a statement of the provided and the statement of the Bar Darly, Muniquiters in other Voltone Water, Wangamery court ويوديورا بيسمين mail family who have given a

Balt Time, Yes OOT Dear to sharp you Table # description incommutation from the state of the Song Public, Wateria fore Comparity (Billion, Tales Subsystem Company Sub-Philipper, Support Philipping All gall Fred, Parkerin Animitaria C. institution of a same life Contacts . Ware alsone, According to a coording Charl Street

Dave & Represided Agencies

authnost, Hills Fire Compone **Cloidwyte Tire Company** Mortalianery Courty Communications Mantgomenty Country Children Country Street Management Cause

Tran 19

Partitule, Cassily, Strengton Toxine Walkin, Designation (Agenteenth Name of Columns, or Widow or Concession, Name Der Barren dinisiale mit Dermann transferring dataset if it is a surrough community of the set of the last sets of the range of Publics Coloriality Summer From Table Journ West an Mail Musica Association and Association Int Malon Carry Minute Tex Consultance & (Talkhimmer, yosar immigrifyin (manyment & Rathering, Sameth Ambridges 4 Star Music Dissegree Freedomases mint All S. Northeastin Antipularu a 🗣 imper Gright's homeon introduce (registered)

Service Andrews, Statute a Prof. Strength Ormania Report, Malinguetters connects 2000 Barb Street, History of Pert Colleges And Institut, Names in Article and At schemet, Namer's Application Ministration Determination and Million Schmatz, Stationaite Post Lawrence list dotte: Brown Mildle Digerbury Noticity and a April and a COM Titum: Service Disa (M. 2004) and Tax Conjung series line at, linearity in the dimension of del berlan, Narianti Ambalaira 🖶 Sar White | Petrool # Stretcher and Stational All Store Company 4 - Wattant Alten der die Brutte Tante more to be down that a late fifter of

> hurberth-Artfalteral Perint Justia Depercheate of Timut politicitian Pereto-Austria Static Rolece. None Madelina / VioretSTAX, Hight Veogram

trendstation for the support Management of the

One Vision

One Voice

It Takes All of Us



One Vision

One Voice

In Conclusion...

- Communications is KEY! Don't forget to listen & breathe.
- Train & Coordinate the response BEFORE emergencies occur.
- Establish Incident Command for every incident!
- Use Unified Command on complex incidents.
- Work TOGETHER & Communicate!
- Be Professional.
- Don't be afraid of change, adapt if you need to in order to better manage an incident.

One Vision

One Voice



- Be the Voice
- Good Enough is the Enemy of Your Best
- There are No Shortcuts to Safety

One Vision

One Voice

THANK YOU!

Todd A. Leiss Traffic Incident Management Coordinator Pennsylvania Turnpike Commission 717-525-3650

PennTIME - <u>https://www.facebook.com/groups/PennTIME/</u>

PennTIME – <u>www.PennTIME.org</u>

PennSTART – www.PennSTART.org

Respondersafety.com

One Vision

One Voice