



“Traffic Incident Management System (TIMS) and the Struck-by reporting tool”

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## Law Enforcement Traffic Safety Summit

Washington, D.C.  
July 28, 2022  
Todd A. Leiss

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**One Voice**

**All Together**

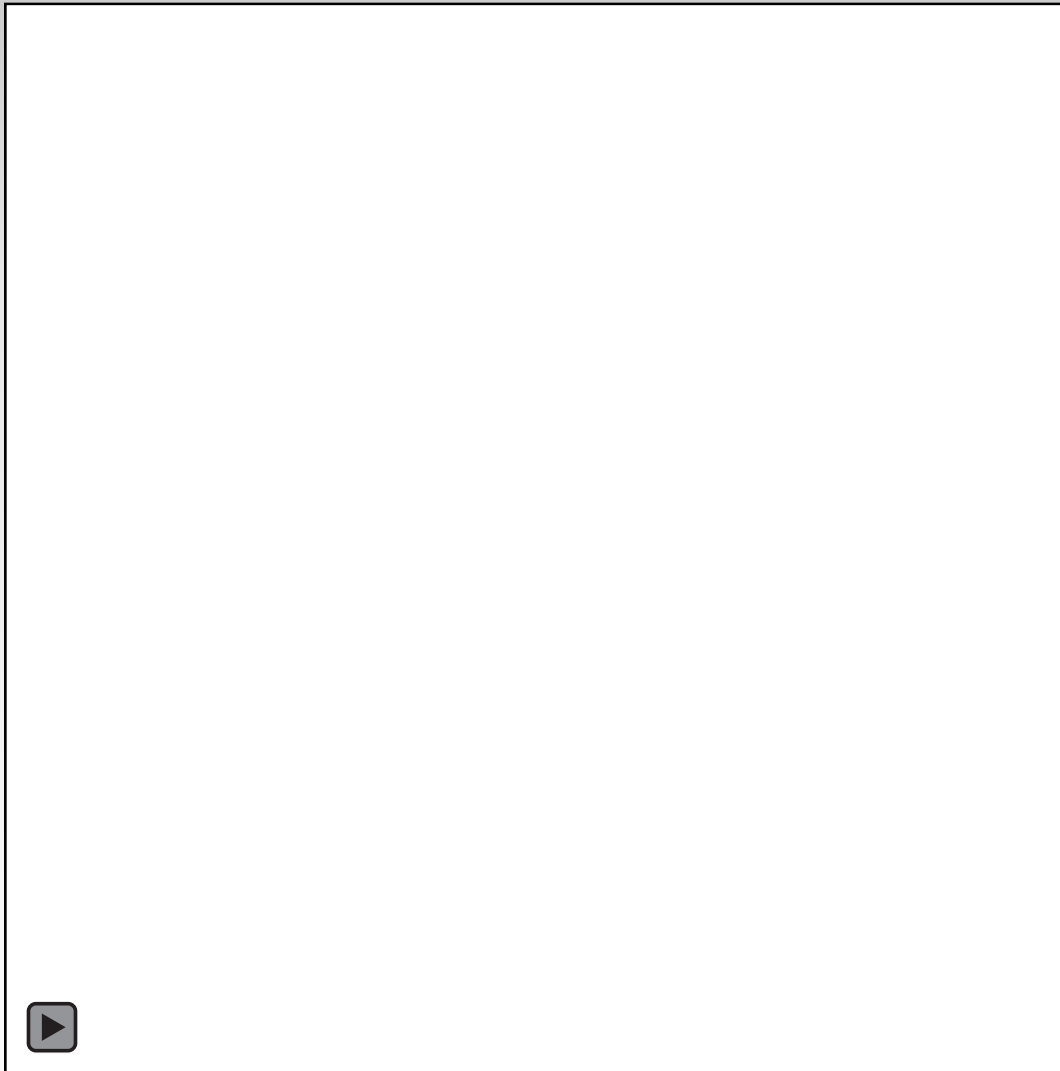


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# Just a Routine Call

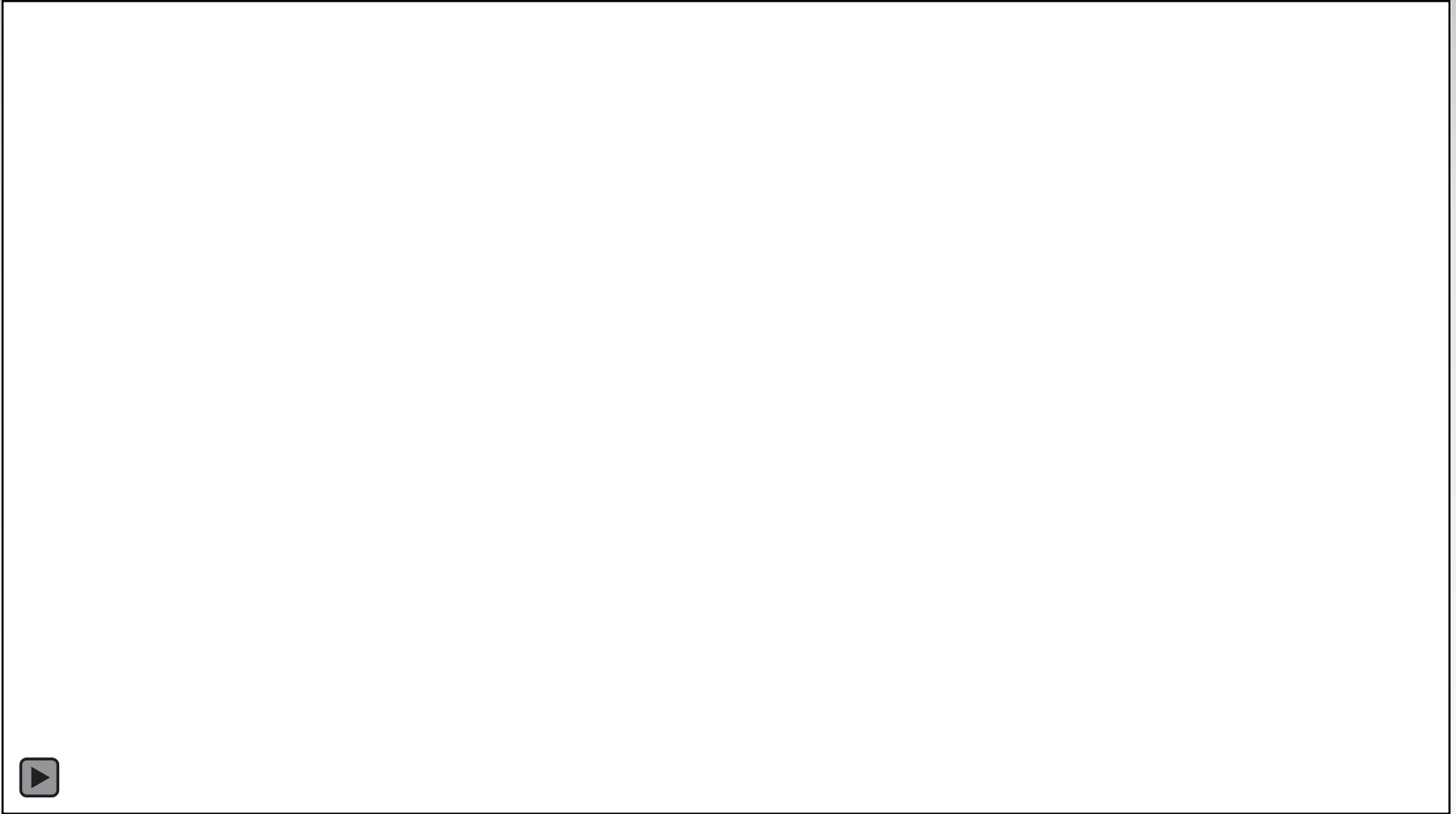


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# Just a Routine Call



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# Expect the Unexpected

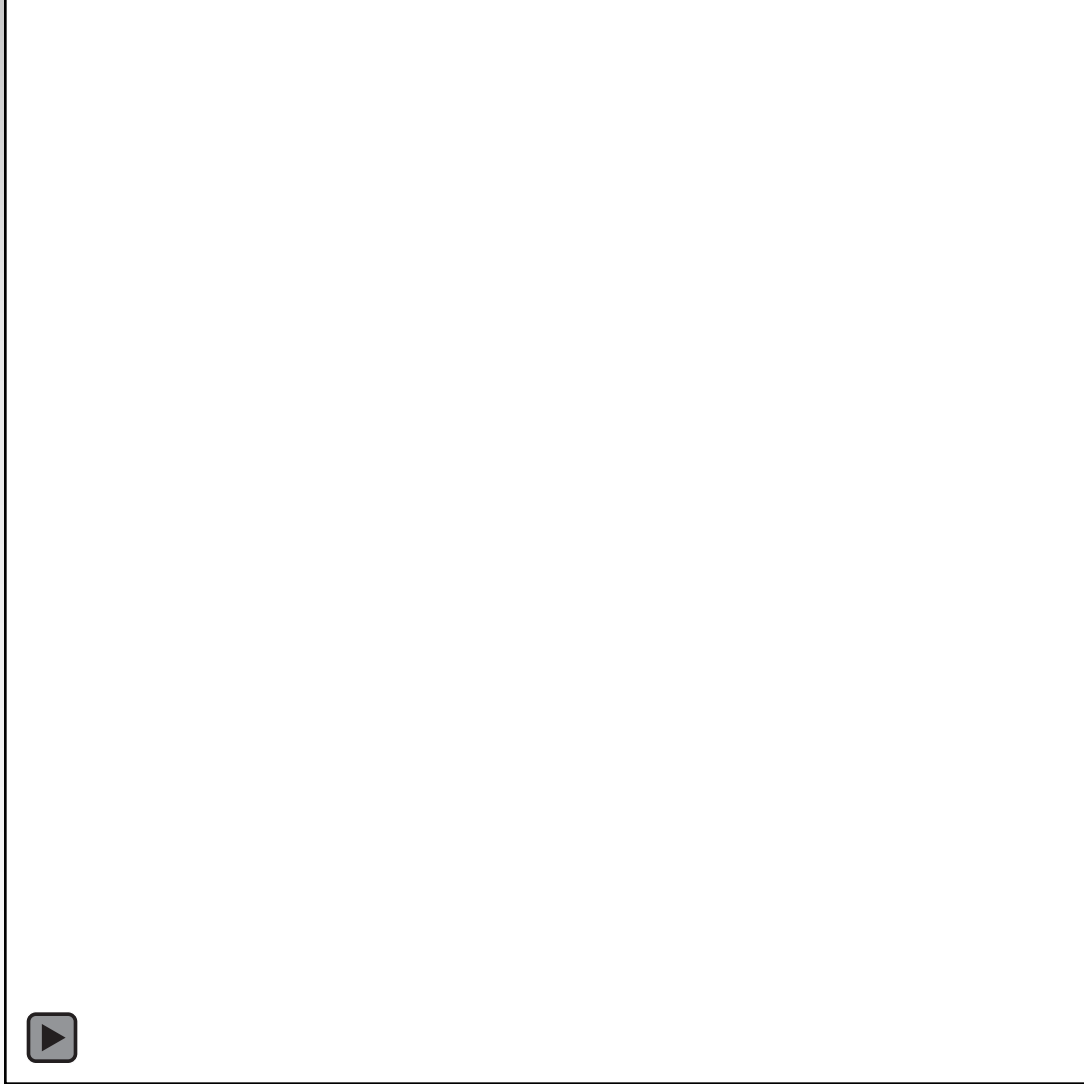


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# Expect the Unexpected!

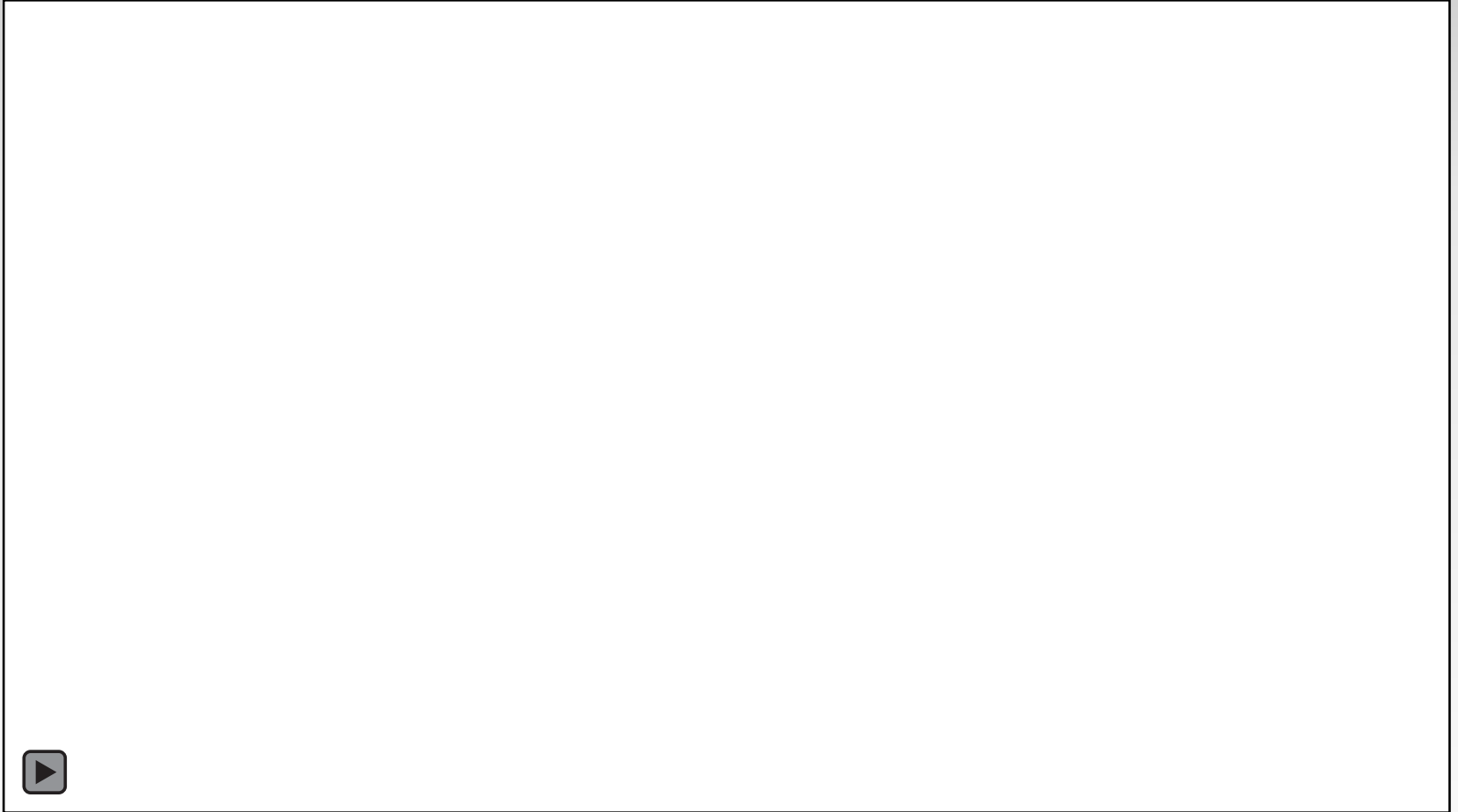


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# Why Safe-Positioning Matters



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# 3 Points to Remember!

## “Be the Voice”

- Change the “We’ve Always Done it This Way” Mentality.
  - This also applies to “We tried that once and it didn’t work.”
- Be an advocate for training.
- Pre-Plan for roadway incidents.
- Raise Awareness!
- Meet, Listen to and Train with fellow responders.



# 3 Points to Remember!

**“Good Enough Is the Enemy of Your Best!”**

Mr. Blachley, 6<sup>th</sup> Grade History Teacher



Milton Hershey School - 1976

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# Is What We Are Doing “Good Enough?”

## “Good Enough Is the Enemy of Your Best!”

**COMMUNICATE – COORDINATE – COOPERATE** WITH ALL RESPONDERS ON THE INCIDENT

- Do your **BEST** to train for roadway incidents!
  - Put that training into practice
    - (Drivers Training, Blocking, Setting up a TIMA)
- Do your **BEST** to plan for roadway incidents!
  - Where is your most frequent crash locations?
  - Who is responsible for what at an incident?
  - Train Regularly, Keep Alert, Stay Smart

**Proper PPE Each and Every Time...Set the Example!**

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# 3 Points to Remember!

## “There are No Shortcuts to Safety”

- Proper PPE/Be Visible and Seen at the Scene!
  - **If your feet are on the street, your vest is on your chest.**
- Proper Early Warning.
- Proper Blocking/Positioning.
- Work Together!

# United States Fatality Stats

**Table 1: Relative Proportion of Fatalities by Roadway Function Class, Age Group, Gender, and Crash Type, 2019–2020**

Total Fatalities		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	% change 2019–2020
2019		2,664	2,388	2,764	2,817	3,166	3,189	3,294	3,351	3,308	3,197	3,050	2,908	36,096	
2020		2,665	2,675	2,560	2,310	3,095	3,715	3,770	3,820	3,715	3,795	3,430	3,130	38,680	7%
Roadway Function Class															
2019	Rural Interstate	6%	5%	6%	6%	6%	5%	5%	5%	5%	6%	5%	5%	1,987	
	Urban Interstate	8%	8%	9%	8%	8%	7%	8%	6%	7%	7%	8%	7%	2,686	
	Rural Arterial	21%	20%	21%	19%	21%	22%	22%	22%	22%	22%	21%	21%	7,662	
	Urban Arterial	37%	40%	36%	37%	33%	34%	32%	35%	33%	36%	37%	37%	12,763	
	Rural Collector/Local	17%	15%	16%	18%	20%	20%	21%	20%	22%	18%	17%	17%	6,755	
	Urban Collector/Local	12%	12%	12%	12%	11%	12%	12%	12%	11%	11%	12%	13%	4,243	
2020	Rural Interstate	5%	5%	5%	5%	5%	5%	5%	6%	5%	6%	5%	5%	2,049	3%
	Urban Interstate	6%	9%	9%	10%	8%	8%	8%	8%	9%	8%	7%	7%	3,080	15%
	Rural Arterial	20%	20%	19%	18%	20%	21%	22%	21%	22%	21%	21%	20%	7,898	3%
	Urban Arterial	40%	38%	36%	32%	34%	34%	31%	32%	34%	34%	34%	38%	13,397	5%
	Rural Collector/Local	17%	15%	19%	22%	20%	21%	21%	21%	18%	19%	19%	19%	7,524	11%
	Urban Collector/Local	12%	13%	12%	13%	12%	12%	13%	12%	12%	12%	13%	11%	4,735	12%

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# United States Fatality Stats

The National Highway Traffic Safety Administration, (NHTSA), estimates **42,915 people** died in motor vehicle traffic crashes in 2021, a **10.5% increase** from the 38,824 fatalities in 2020.

The deaths include pedestrians, cyclists and others who may have died during a crash.



# Struck-By Incidents



6,756,000 Police Report Crashes  
x 8 Emergency Responders =  
54,048,000 Targets on the Roadway



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# Responder Struck-By Fatalities

In a typical year, the following number of responders are struck and killed:

10 Law Enforcement Officers

4 Fire and Rescue Personnel

An estimated 20+ Towing and Recovery Professionals

Several transportation professionals from DOTs, Public Works, and Safety Service Patrol Programs

# Responder Struck-By Data

At least two emergency responders are struck each day in the United States, these include property damage, injuries or death

An emergency responder is struck & injured every two days in the United States.

**On average an emergency responder is struck & killed every 6 days in the United States.**



# ReportStruckBy.com

The Emergency Responder Safety Institute has launched a new nationwide database to collect detailed information about incidents on the roadway where emergency responders or their equipment were struck by a vehicle while operating at a scene.

Available at [ReportStruckBy.com](https://ReportStruckBy.com) using the ResponderSafety.com platform, the database accepts reports from all roadway responders, including fire, law enforcement, EMS, fire police and special traffic units, safety service and freeway service patrols, departments of transportation, public works, and towing and recovery.



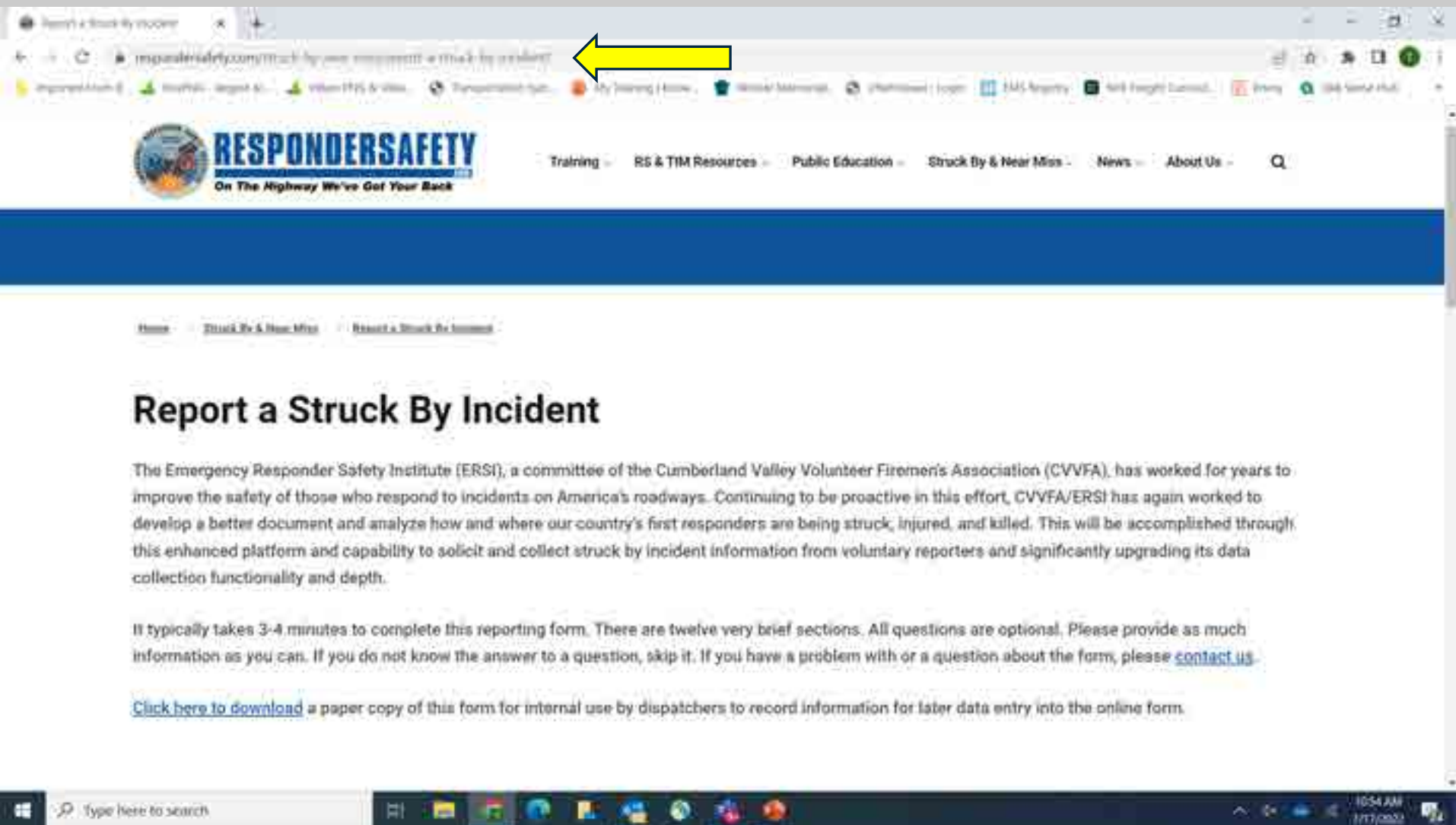
**The goal is to improve the voluntary reporting, tracking, and analysis of struck-by incident data to prevent future incidents.**

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# ReportStruckby.com



The screenshot shows a web browser window with the address bar displaying [reportersafety.com/struck-by-incident](https://reportersafety.com/struck-by-incident). A yellow arrow points to this URL. The website header features the 'RESPONDERSAFETY' logo with the tagline 'On The Highway We've Got Your Back'. Navigation links include Training, RS & TIM Resources, Public Education, Struck By & Near Miss, News, and About Us. The main content area is titled 'Report a Struck By Incident' and contains the following text:

The Emergency Responder Safety Institute (ERSI), a committee of the Cumberland Valley Volunteer Firemen's Association (CVVFA), has worked for years to improve the safety of those who respond to incidents on America's roadways. Continuing to be proactive in this effort, CVVFA/ERSI has again worked to develop a better document and analyze how and where our country's first responders are being struck, injured, and killed. This will be accomplished through this enhanced platform and capability to solicit and collect struck by incident information from voluntary reporters and significantly upgrading its data collection functionality and depth.

It typically takes 3-4 minutes to complete this reporting form. There are twelve very brief sections. All questions are optional. Please provide as much information as you can. If you do not know the answer to a question, skip it. If you have a problem with or a question about the form, please [contact us](#).

[Click here to download](#) a paper copy of this form for internal use by dispatchers to record information for later data entry into the online form.

1. Incident Time & Date (Please estimate if exact time not known)
2. Incident Type
3. Incident Location
4. Roadway Information (Roadway Type, On-Road Location, Weather, Sight Distance)
5. Incident Responding Agencies (by discipline)
6. Incident Response Activities (By Discipline, Activity)



7. Type of vehicle that struck a person or an emergency vehicle in this incident
8. Persons Struck (Fatalities, Injuries, Struck-not injured)
9. Emergency Services Vehicle Damage
10. Traffic Incident Management Information (Was any traffic control in-place)
11. High Visibility Apparel
12. Additional Information (Including optional contact email)



# 2019 Responder Struck-By Fatalities

- **18 Law enforcement officers were struck and killed in 2019.** One of those officers was off duty when he stopped to assist a motorist with a disabled vehicle. The other 17 cases were line-of-duty deaths. Law enforcement officers killed accounted for 41% of all emergency responder struck-by-vehicle fatalities in 2019.
  - 11 officers (25%) were struck and killed while conducting traffic stops or involved with some other law enforcement activity.
  - 5 officers (11%) were struck and killed while working motor vehicle crash scenes.
  - 2 officers (5%) were killed while assisting motorists with disabled vehicles.

**44 United States Emergency Responders were struck & killed in 2019**

(18–LEO, 14-TOW, 3-RST & 9-FIRE/EMS)

This is up from 2018 when 40 United States Emergency Responders were struck & killed

# 2020 Responder Struck-By Fatalities

- **17 Law enforcement officers were struck and killed in 2020.** One of those officers was off duty when she stopped to assist an elderly pedestrian crossing the roadway. The other 16 cases were line-of-duty deaths. Law enforcement officers killed accounted for 37% of all emergency responder struck-by-vehicle fatalities in 2020.
  - 13 officers (28%) were struck and killed while conducting traffic stops or involved with some other law enforcement activity.
  - 3 officers (7%) were struck and killed while working motor vehicle crash scenes.
  - 1 officer (2%) was struck and killed during physical training

**46 United States Emergency Responders were struck & killed in 2020**

(17–LEO, 21-TOW, 1-RST, 3-DOT/SSP & 4-FIRE/EMS)

This is up from 2019 when 44 United States Emergency Responders were struck & killed

# 2021 Responder Struck-By Fatalities

- **30 Law enforcement officers were struck and killed in 2021.** Three of those officers were off duty when they were struck and killed, two while directing traffic while working off-duty details and one struck and killed at a crash scene as she was driving home from work. The other 27 cases were line-of-duty deaths. Law enforcement officers killed accounted for 46% of all emergency responder struck-by-vehicle fatalities in 2021.
  - 15 officers (23%) were struck and killed while conducting traffic stops or involved with some other law enforcement activity.
  - 12 officers (18%) were struck and killed while working motor vehicle crash scenes.
  - 3 officers (5%) were struck and killed while assisting motorists with disabled vehicles.

**65 United States Emergency Responders were struck & killed in 2021**

(30-LEO, 22-TOW, 2-RST, 2-DOT/SSP & 9-FIRE/EMS)

This is up from 2020 when 46 United States Emergency Responders were struck & killed

# 2022 Responder Struck-By Fatalities

- **11 Law enforcement officers were struck and killed so far in 2022.** One of those officers was off duty when he was working an off-duty escort assignment. The other 10 cases were line-of-duty deaths. Law enforcement officers killed accounted for 41% of all emergency responder struck-by-vehicle fatalities so far in 2022.
  - 8 officers (30%) were struck and killed while conducting traffic stops or involved with some other law enforcement activity.
  - 2 officers (7%) were struck and killed while assisting a pedestrian walking in the roadway
  - 1 officer (4%) was struck and killed while assisting a motorist with disabled vehicle.

**29 United States Emergency Responders were struck & killed in 2022**

(11–LEO, 8-TOW, 2-RST & 6-FIRE/EMS)

Unfortunately, this number will likely increase



# United States Struck-By Map



<https://www.respondersafety.com/Struck-By-Incidents/Map-Of-U-S-Struck-By-LODDs.aspx>

<https://www.respondersafety.com/Struck-By-Incidents/Map-Of-U-S-Struck-By-LODDs.aspx>

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# United States Struck-By Map



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# “D” Drivers

“D” Drivers are killing us...

- ✓ Drunk,
- ✓ Drugged,
- ✓ Drowsy,
- ✓ Distracted
- ✓ Deliberate
- ✓ Dangerous or just plain DUMB!

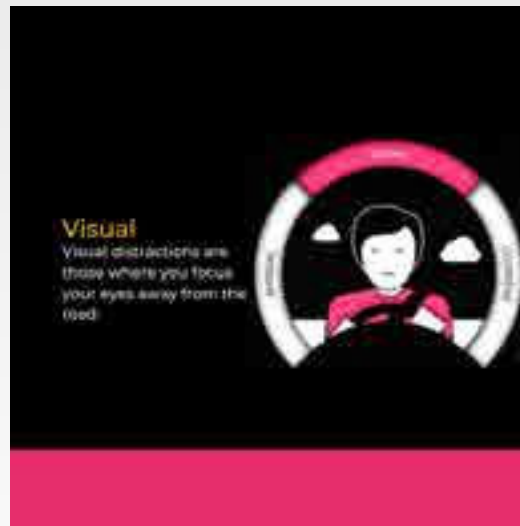
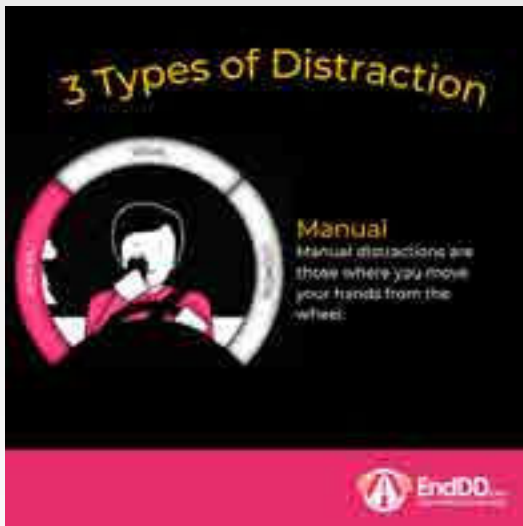
Even more “D” Drivers...

- ✓ Disgruntled,
- ✓ Developing,  
(young drivers)
- ✓ Distinguished,  
(older drivers)
- ✓ **Driverless!**



# 2021 NSC/EndDD/ERSI Survey

1. Four-in-five use their phone, in hand or hands-free when driving.
  - Most (60%) consider text messages and phone calls to be distracting when driving.
2. Nearly all parents alter their driving behavior when a child(ren) is present a vehicle.
  - Most common are not using GPS, music devices, phone or looking at notifications.



[www.EndDD.org](http://www.EndDD.org)

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# 2021 NSC/EndDD/ERSI Survey

## 3. The COVID-19 pandemic has impacted peoples driving habits.

- Small group (less than 15%) have admitted to driving faster than posted speed limit (11%) or drove more distracted (2%) because of lesser congestion.
- Almost one quarter feel people are driving faster, being distracted by technology and being fatigued because of the pandemic.

## 4. Most still underestimate the risk emergency responders face when on the side of a highway.

- Only two-in-five consider a higher risk when seeing an emergency responder out of their vehicle on a highway.



# National Unified Goal

The Traffic Incident Management National Unified Goal or NUG is:

- Responder safety
- Safe, quick clearance; and
- Prompt, reliable, interoperable communications