



ARDOT TRANSPORTATION RESEARCH COMMITTEE

TRANSPORTATION CONFERENCE & EQUIPMENT EXPO

LORIE H. TUDOR | ARDOT DIRECTOR

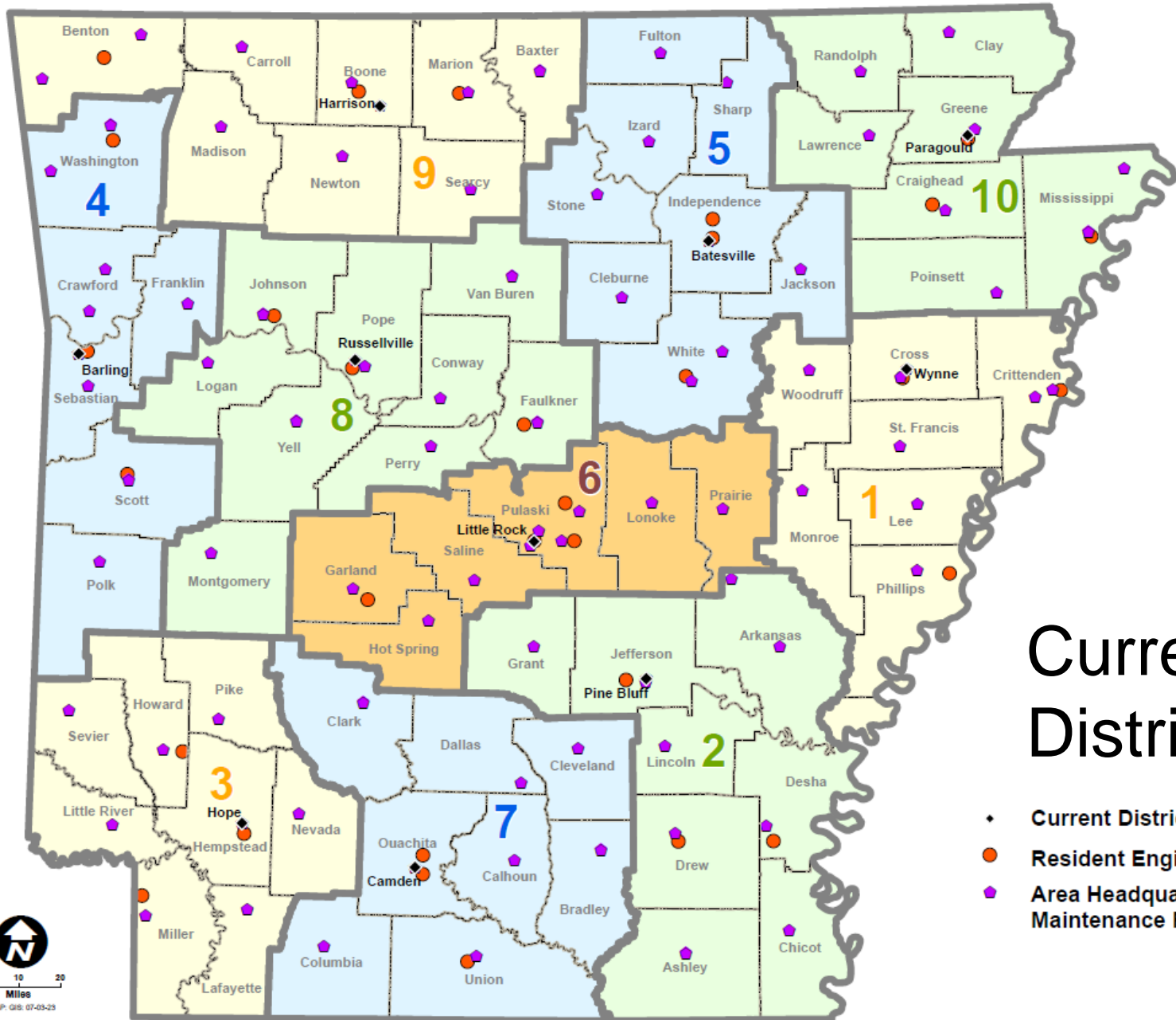
MAY 21, 2024





ARDOT Quick Facts

- 3rd Largest State Agency
- Approximately 3,700 Employees
- 16,450 Highway Miles
- More Than 7,000 Bridges
- Central Offices in Little Rock
- 10 Districts Statewide



Current Districts

- ◆ Current District Headquarters
- Resident Engineer Offices
- ◆ Area Headquarters/ Maintenance Facility

Arkansas State Highway Commission



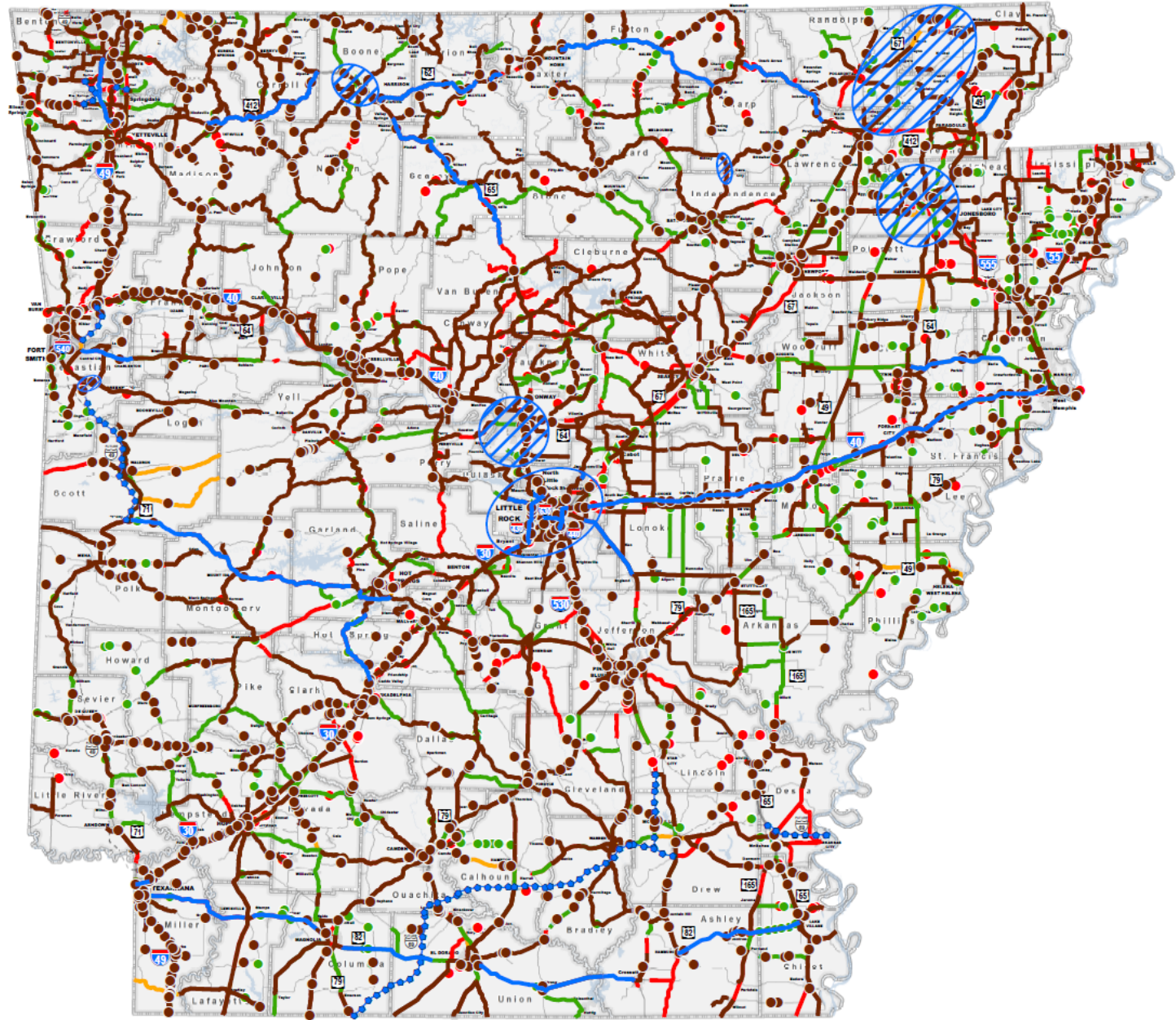
Long Range Transportation Plan

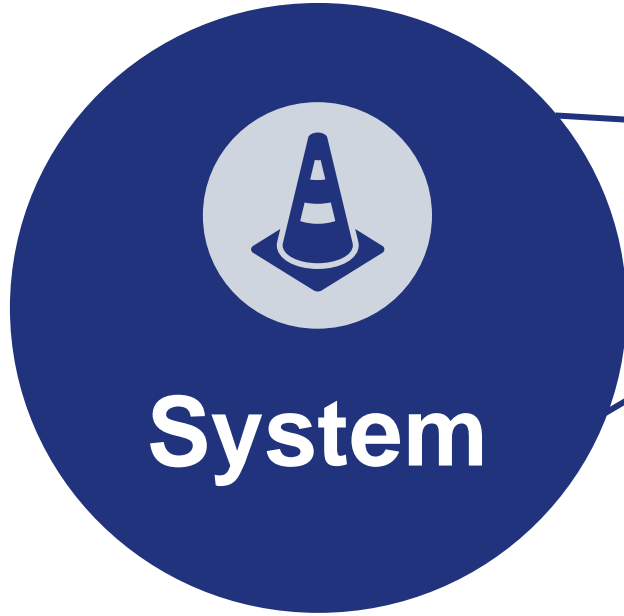


Highly Publicized

Identified Goals

Projected Spending Levels





2023-2028 STRATEGIC PLAN

PURPOSE

To deliver a modern transportation system to enhance safety and quality of life in Arkansas

CORE VALUES



Safety
Committed to
Arkansans' wellbeing



Trust
Dependable
public service



Excellence
Quality in everything
we do



Accountability
Responsible and
transparent



Modern
Innovating for
the future

Safety first, working as a TEAM

GOALS & STRATEGIC OBJECTIVES

SYSTEM

Provide innovative transportation solutions to improve safety and mobility

- Plan, develop, operate, and maintain an efficient, reliable, and resilient highway system
- Focus on all aspects of safety
- Continue to emphasize system preservation
- Excel at project delivery
- Manage assets in a transparent, data-driven, and cost-effective manner
- Ensure environmental stewardship

SERVICE

Deliver reliable and efficient customer service

- Strive to exceed customer expectations
- Provide timely and courteous customer service in all communications
- Be transparent
- Ensure compliance with all relevant regulations

EMPLOYEES

Ensure ArDOT is a great place to work

- Recruit and retain quality employees
- Encourage and empower decision making at all levels
- Invest in employee career development
- Promote teamwork and accountability
- Encourage innovation and risk-based decision making
- Strengthen knowledge management

PARTNERS

Collaborate and strengthen partnerships

- Listen to Arkansas residents and community leaders
- Engage with federal, state, and local governments
- Partner with industry to improve efficiency
- Learn from peer states' best practices





2016-2026 Pavement Preservation Projects

Let Year

- 2016
- 2017
- 2018
- 2019
- 2020
- 2021
- 2022
- 2023
- 2024
- 2025
- 2026



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Safety Initiatives PROGRAMS & POLICIES



10-POINT BEST PRACTICE PLAN FOR RESPONDING TO DEBRIS REMOVAL

-  **1** Turn on warning lights as you approach debris.
-  **2** Park in advance of debris on shoulder closest to debris, as far from traffic as possible.
-  **3** Always use a spotter on roadways that are High-Speed (65MPH) or Moderate to High-Volume.
-  **4** Consider whether the hazard warrants the danger involved in removing the hazard.
-  **5** Keep an eye on and face on-coming traffic, **NEVER** turn your back on traffic.
-  **6** If the hazard in the travel lane can be removed from the shoulder with a tool, use tool during an adequate gap in traffic.
-  **7** When High-Speed (65 MPH) and High-Volume Traffic exists, **NEVER** enter or cross a live lane of traffic for any reason.
-  **8** If conditions warrant entering the live lane, **WAIT** until certain you have time to walk to get object, not run, and walk back to safety.
-  **9** Avoid crossing more than one lane of traffic.
-  **10** If in doubt, **DON'T GO**. Use a mobile lane closure or truck mounted device to remove debris from live lanes, especially on multi-lane freeways.



REPORT SAFETY CONCERNS

We want your voice to be heard. Employees should report concerns to the Safety Section.



SCAN THE QR CODE*
TO REPORT!

* <https://www.mv.gov>





Safety Initiatives

GREEN LIGHTS

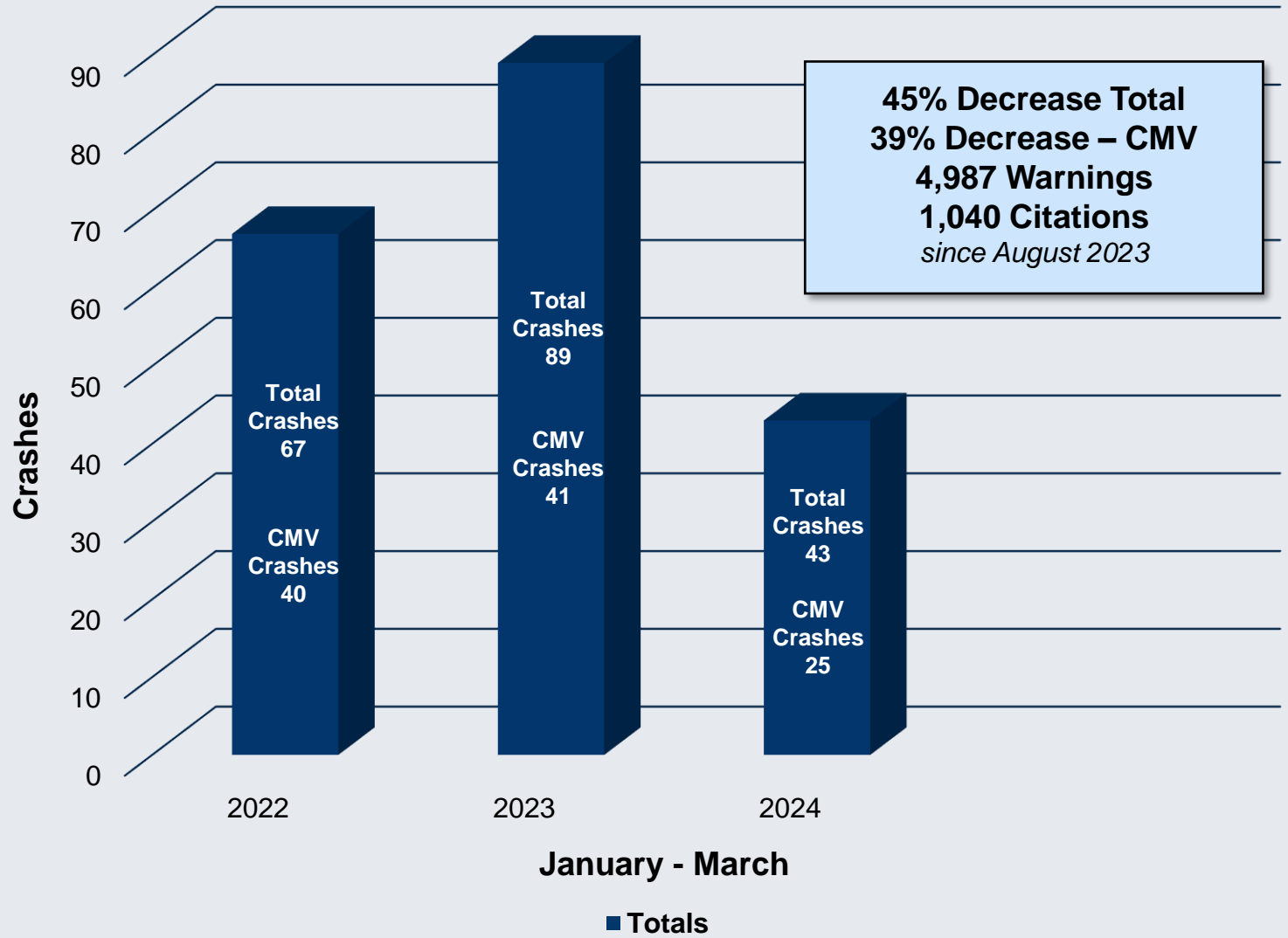


Work Zone Safety

SPEED ENFORCEMENT CAMERAS

Saline County (Benton) Work Zone

Before and After Crash Statistics / Speed Enforcement Camera





WORK ZONE

CRASHES

2018

2019

2020

2021

2022

2023

WORK ZONE

SERIOUS INJURIES & FATALITIES

2018 |

2019 |

2020 |

2021 |

2022 |

2023 |



Arkansas Highway
Safety Office





WARNING
DO NOT DISTURB THE AIR BAGS

WARNING
DO NOT DISTURB THE AIR BAGS

PHONE
PHONE

ROAD
WORK
AHEAD

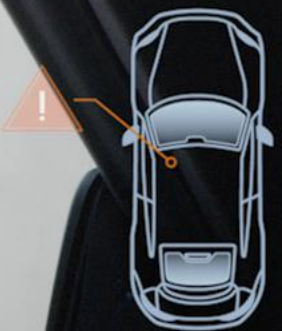
aight is the right
sry good!
Someone bring their
Speaker
can't stay for long
can't hear you

11:12

75

TIME IN WORK ZONE

0:09



TPMS

32 22





Keeping Georgians Safe

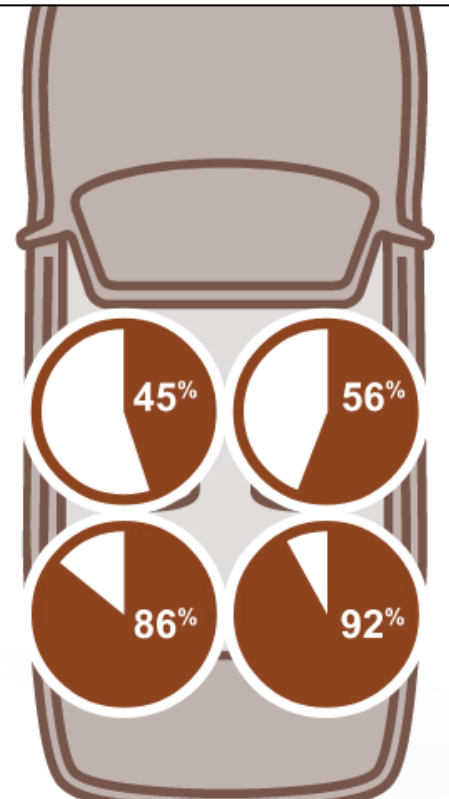
One classroom at a time

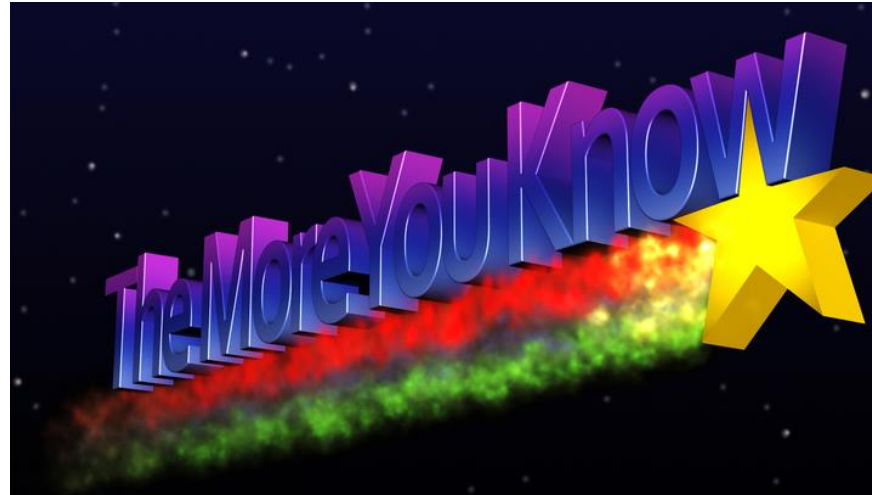
Georgia Young Driver Roadway Safety Facts

- 27% increase in number of young drivers involved in fatal crashes from 2019 to 2021
- Young drivers accounted for:
 - 8% of all licensed drivers in 2021
 - 10% of all drivers involved in fatal crashes
 - 18% of all drivers involved in serious injury crashes
- Contributing factors:
 - Speed
 - Nighttime Driving
 - Distracted
 - DUI
 - Seatbelt



Percent of fatally injured young drivers and their fatally injured passenger occupants (Aged 15-to-20 years) who were **unrestrained.**





It really is about
'the more you
know'



Road Safety Videos



Seatbelts



Distracted Brain



Bike Lanes



3 Seconds



Interactive Games



Virtual Field Trip Across Georgia

See great destinations and complete road safety challenges

For Grades 3-6

[Start](#)



Virtual Road Safety Game

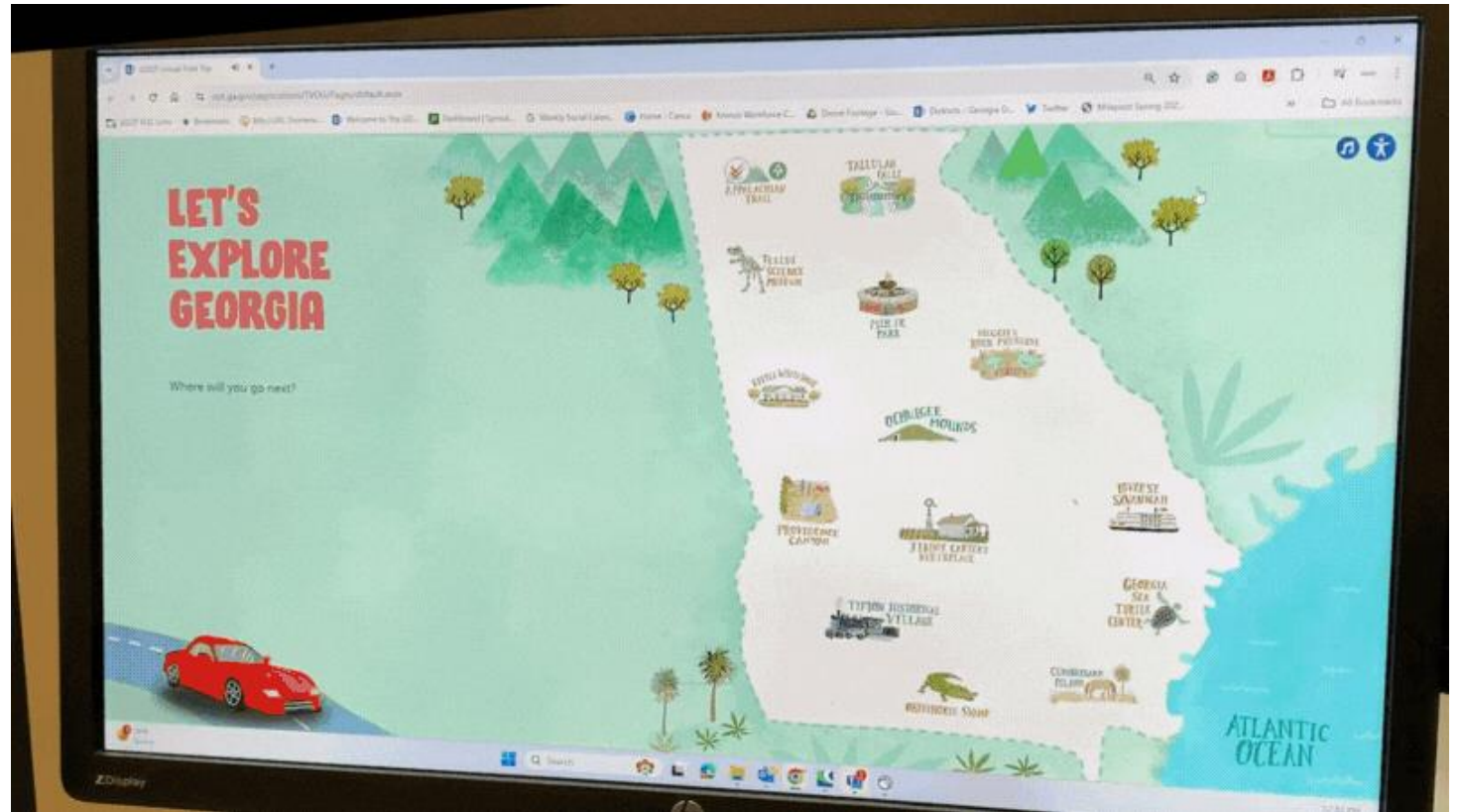
Remove driving distractions and customize your car

For Grades 6-12

[Play Now](#)

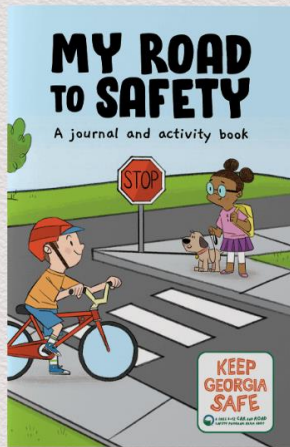


The screenshot shows a Kahoot! page for the organization 'Keep Georgia Safe Georgia Road Safety'. The page features a header with the Kahoot! logo, a 'Login' button, and a 'Sign up' button. Below the header is a large image of a car's steering wheel with hands on it. The page displays statistics: 8 Kahoots, 259 Plays, and 394 Players. There is a 'Follow' button. The 'Content' tab is selected, showing 'Featured kahoots' with four cards: 'Say This, Not That! Safe...' (15 questions, 68 players), 'Seatbelt Savvy' (11 questions, 91 players), 'The ABCs of Driver Safety' (14 questions, 82 players), and 'Are You a Good...' (13 questions, 153 players).



My Road to Safety

This journal and activity book is perfect for grades 3-5.



Download a PDF of the Book

STUDENT ACTIVITY BOOK

This book is made possible by **GDOT**
Georgia Department of Transportation

Let's keep Georgia roads safe for all.

It's not just your family and friends looking out for you. Now you know the Georgia DOT is, too!

1

Tip #5 **DON'T BE A DISTRACTION IN THE CAR.**

There's already a lot going on in a car.

As a passenger in a car, you often add to these distractions without even knowing it.

Stay in your seat, and let the driver drive. By doing this, you make the roads safer for **everyone**.

14 15

FREE Classroom Posters

Get PDFs of our road safety classroom posters

ROAD SAFETY

5 WAYS WE CAN MAKE AN IMPACT

BE SAFE WALKERS.
Pay attention, and be sure you can SEE AND BE SEEN at all times.

BE SAFE IN THE CAR.
Never use a phone while driving, and don't distract the driver.

BE SAFE RIDERS.
Wear a helmet on bikes, scooters, and other wheels.

BE SAFE ON THE BUS.
Follow the bus rules, and listen to the driver.

BE SAFE ON SIDEWALKS.
Use crosswalks, and always look left, right, and left again!

PUSH BUTTON FOR

Road Safety: 5 Ways We Can Make an Impact

For Grades K-5

[Download](#)

SAY NO TO DRIVING DISTRACTIONS

Did you know **50%** of all crashes are related to distractions?

TAKE THE PLEDGE
I won't be a distraction in the car. I won't drive distracted.

SIGN THE PLEDGE BELOW

Say No to Driving Distractions

For Grades 6-12

[Download](#)

DON'T BE A STATISTIC

WEAR YOUR SEATBELT. PUT YOUR PHONE DOWN. PAY ATTENTION. IT MATTERS.

#1 CAUSE OF DEATH FOR TEENAGERS IN THE UNITED STATES IS MOTOR VEHICLE CRASHES.

51% RECENT REPORTS SHOW 51% OF TEENS WHO DIED IN A CRASH WERE UNBUCKLED.

#2 AFTER ALCOHOL, MARIJUANA IS THE DRUG MOST OFTEN FOUND IN THE BLOOD OF DRIVERS INVOLVED IN CRASHES.

73% OF FATALITIES IN CRASHES ARE CAUSED BY SINGLE-DRIVING CONDITIONS LIKE DISTRACTIONS, IMPAIRMENTS, AND DRIVING TOO FAST.

12x A PERSON IS 12 TIMES MORE LIKELY TO CRASH IF THEY HAVE LESS THAN 4 HOURS OF SLEEP AT NIGHT.

5 PEOPLE DIE EACH DAY RELATED TO A CAR ACCIDENT IN GEORGIA.

1,830 PEOPLE DIED ON GEORGIA'S ROADS RECENTLY IN A SINGLE YEAR.

62% OF TEEN CRASH DEATHS OCCUR BETWEEN 6 P.M. AND 6 A.M.

17x TEEN DRIVERS ARE 17 TIMES MORE LIKELY TO DIE IN A CRASH WITH AN ELEVATED BLOOD ALCOHOL CONTENT.

4x IF USING A CELL PHONE WHILE DRIVING, DRIVERS ARE FOUR TIMES MORE LIKELY TO CRASH, WHETHER IT'S HANDS-FREE OR NOT.

23x A PERSON TEXTING AND DRIVING IS 23 TIMES MORE LIKELY TO BE IN A CRASH.

53% DISTRACTIONS ARE REGULARLY A FACTOR IN ROUGHLY 53% OF TEEN CRASHES.

Don't Be a Statistic

For Grades 6-12

[Download](#)





Georgia Department of Transportation

FREE Lesson Plans

Please click on the appropriate image below to download the lesson plan.

K-5 Lessons and Worksheets

DESIGN YOUR OWN ROUNDABOUT

Students will put their engineering skills to the test while improving safety on the road.

Roundabouts are an excellent way of making the roads safe for all people, whether driving, walking, or riding a bike. You, as an engineer, don't understand how they work or what they do. In this lesson, students will learn about the value of roundabouts, and they will design their own using pipe cleaners.

Time Required: 15-30 minutes

Materials:

- Pipe cleaners
- Toys cars
- Safe intersections handout

Prep: Control pipe cleaners, control pipe cars, handout, and multiple copies of the Safe Intersections handout for all students can view it.

Objective: Control pipe cleaners, control pipe cars, handout, and multiple copies of the Safe Intersections handout for all students can view it.

Elevate Your Lesson: Have students create a handout to explain the lesson.

Did You Know? Roundabouts can decrease fatal crashes by 90%.

Design Your Own Roundabout

SAFE INTERSECTIONS

Learn how roundabouts can make a big difference in road safety.

Traditional Intersection
Traditional intersections have 32 potential conflict points.

Roundabout
With a roundabout design, there are only 4 conflict points.

3 More Roundabout Facts
Research and write facts you learn.

Did You Know? Roundabouts can decrease fatal crashes by 90%.

Safe Intersections

CREATE YOUR OWN SAFETY SIGN

Students will put their creativity to the test while also helping their communities.

Students can have a powerful impact on the way roads look about certain topics. This can help to keep the roads safer for everyone, and they can also help to improve the safety of the roads.

RESPECT GEORGIA WORK ZONES

Time Required: 30-45 minutes

Materials:

- Paper
- Sign template

Prep: Drive copies of the safety sign template, and make sure you have art supplies for everyone.

Objective: Students will learn about common road and car safety challenges and then will use their own creativity to come up with solutions through art.

Elevate Your Lesson: Have students create a handout to explain the lesson.

Create Your Own Safety Sign & Template

UNDERSTANDING INERTIA

Students will put toy cars to the test in this hands-on experiment.

It's not easy enough to talk about understanding it multiple age levels, but it takes a much bigger impact when you can see it happening with your own eyes. This is especially true for understanding inertia's importance for a subject like physics. In that hands-on physics lesson, students will engineer their own car tests, using toy cars, Play-Doh, and tape to see just how important inertia is.

Time Required: 15-30 minutes

Materials:

- Toy cars, car ramp
- Play-Doh
- Tape, pencil

Prep: Borrow a toy car ramp or make your own out of cardboard. Find a set of toy cars that have enough room on the back to build a mock person out of Play-Doh. Car ramps ready for students to set up the test area.

Objective: Students will gain a stronger understanding of inertia and they will see how a person can be impacted by the factors that speed. They will also better understand the role inertia plays in car tests.

Elevate Your Lesson: Have students create a handout to explain the lesson.

Understanding Inertia

WRITE A LETTER TO LEADERSHIP

Students will share their opinions with community members and leaders through writing.

Students feel empowered when you encourage them to form their own opinions and then to share those with others. When they do the important topics that are and road safety, they will see how they have a real impact on people around them. In this lesson students will write their own letter or sign to encourage safer roads in their own neighborhoods and communities.

Time Required: 30+ minutes

Materials:

- Poster
- Opinion Planning worksheet

Prep: Print enough copies of the planning worksheet so all students can use it to prep their letter or article on their topic of choice.

Objective: Students will form their own opinions on a road and safety topic to create a letter or sign, which they can then send to a public official. Community leader or to media outlet.

Elevate Your Lesson: Have some ideas for ways to expand this lesson.

Write a Letter to Leadership

TAKE THE PLEDGE Say NO to Driving Distractions

I pledge not to drive distracted. Both now and in the future. I also pledge not to be a distraction when I'm a passenger in the car.

I will:

- Put my phone down.
- Keep my music at a reasonable volume.
- Not multitask while driving.
- Let the driver focus.

Here's why this matters to me:

Name: _____ Date: _____

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Here's why this matters to me:

Name: _____ Date: _____

Distractions Driving Pledge Cards

OPINION PLANNING WORKSHEET

Here's the type of writing I plan to do:

HELLO!

1. Things I want people to know about this topic:

1. _____

2. _____

3. _____

2. How or what would someone disagree with my opinion?

Other ideas I have:

Opinion Planning Worksheet

THE REALITY OF THE NEED FOR SPEED

Students will calculate the impact speed can have during crashes.

The need for speed is something you hear about in games, movies, and pop culture. There's this desire to acquire speed, especially when it comes to fast cars and driving. Yet, the impact speed can have on crashes, cars, and ultimately people, can be surprising. Even just missing an extra 10 or 20 miles per hour can make a big difference in a crash. In this lesson, students will calculate the impact of speed and gain a better understanding of why it matters.

Time Required: 15-20 minutes

Materials:

- YouTube video
- Paper
- Calculator

Prep: Watch the YouTube educational video "Calculating a Car Crash" by Hummerble. Understand how he calculates kinetic energy so you can demonstrate for students.

Objective: Students will understand kinetic energy and how this has a big impact on speed, especially when traveling at high speeds.

Elevate Your Lesson: Have some ideas for ways to expand this lesson.

1. Have students write out math problems with variables to understand how they relate to real life. Example: You're late to work, you're not paying attention on the way to the store, etc.)
2. Calculate kinetic energy for

The Reality of the Need for Speed

CREATE YOUR OWN PSA

Students will create a car and road safety PSA.

Public Service Announcements (PSAs) can have a big impact on your school, neighborhood, and community. These announcements often give information and facts to a lot of people, and it's easier if PSAs are important in educating the public, and when they are on a subject like car and road safety, they can actually save lives. In this lesson, students will be inspired to create their own PSA through their writing, art, or a video.

Time Required: 30+ minutes

Materials:

- Planning worksheet
- Color markers or a pencil
- Can use to prep their PSA

Prep: Print enough copies of the planning worksheet so all students can use it to prep their PSA.

Objective: Students will form their own opinions on a road and safety topic to create a PSA.

Elevate Your Lesson: Have some ideas for ways to expand this lesson.

1. Have a PSA night, inviting students to share their work in a public forum. You could even ask a local library to host.
2. Encourage students to send their PSAs to local news and media outlets for potential publication or to be featured.

Create Your Own PSA



Keeping Georgians Safe

One classroom at a time



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