

ARCHIE, MO

SAFETY ACTION PLAN

SAFE STREETS FOR ALL

OCTOBER 2025



TABLE OF CONTENTS

Dedication	4
Executive Summary	6
A Safety-First Approach	12
Safety by the Numbers	18
Listening to the Community	30
A Road Map for a Safer Future	38
Safety Action Plan for All	50

Appendices

- ▶ Appendix A: Transportation Data Analysis
- ▶ Appendix B: Community Feedback and Engagement Summary
- ▶ Appendix C: Strategies, Projects, and Action Plan

DEDICATION

Many people in our community have been personally impacted or know others who have been affected by traffic crashes. The Archie Safety Action Plan is dedicated to everyone who we have lost, those that have been injured, and all of the loved ones whose lives have been changed forever due to traffic crashes. The City of Archie recognizes the tremendous toll these incidents have on our community members and acknowledges that we must work harder to prevent future crashes.

TOO CLOSE TO HOME

It is important to remember that these facts are not just statistics; crashes impact real people and real lives. In 2024, a tragic car crash claimed the life of 18-year-old Miles Humbird and seriously injured two other teenagers. Miles was a senior football player at Archie High School, and his passing is felt deeply by the community and everyone whose lives were touched by him. The City of Archie is committed to ensuring that no more families have to endure this loss.

Reports indicate that the group was driving east on State Route B outside of Archie city limits when the incident occurred. Due to the location of the crash, it is not included in the Archie Transportation Safety Analysis, but lessons learned are incorporated into the plan's final recommendations.

ACKNOWLEDGMENTS

This plan could not have been made possible without the hard work and dedication from the community, city staff and officials, the Safety Advisory Committee, and the project team. Thank you for making Archie safer for all.

Safety Advisory Committee

- ▶ April Clark, City of Archie
- ▶ Dylan Eppert, Former City of Archie Mayor
- ▶ Tony Sallee, City of Archie
- ▶ Zach Gebhardt, Western Material and Design
- ▶ Jay Smith, Western Material and Design
- ▶ Jeff Sutton, Western Material and Design
- ▶ Lisa Swigart, City of Archie
- ▶ Michelle Wityk, Archie R-5 School District
- ▶ Trevor Zaharsky, Archie Police Dept.

Consultant Team

- ▶ Jay Aber, HDR
- ▶ Jessica Allen, HDR
- ▶ Lee Baer, Merge Midwest Engineering
- ▶ Megan Ferguson, HDR
- ▶ Kylee Gullion, HDR
- ▶ Kate Hamel, HDR
- ▶ Mindy Moore, HDR
- ▶ Maggie Newlin, HDR

EXECUTIVE SUMMARY

The City of Archie has committed to making travel safer for everyone in our community. Because **everyone deserves safety on our streets**, regardless of age and whether they are walking, biking, or driving. The 2025 Archie Safety Action Plan was developed to guide our efforts to improve roadway safety and reduce the risk of traffic crashes in Archie.

From 2015 through 2024, there have been 43 crashes in Archie. Nearly 20% of the crashes have resulted in injuries. **Over 70% of the total crashes in Archie have happened on just four roads.**

- ▶ **State Route A**
- ▶ **Outer Road**
- ▶ **Pine Street**
- ▶ **Delaware Street**

According to the crash data analysis, most crashes in Archie:

- ▶ Occur on roads with 35 mph speed limits
- ▶ Do not happen at intersections
- ▶ Involve roadway departures (running off the road or travel lane)
- ▶ Are rear-end or angle collisions
- ▶ Occur during the daytime
- ▶ Involve people ages 19-35 years old
- ▶ Involve male drivers

We know that crashes are not an inevitable part of our lives, and we can do more to prevent them. **While there have been zero fatal or serious injury crashes reported within Archie city limits, now is an opportune time to take proactive measures to prevent future crashes from happening.**

Using the Safe System Approach, this plan outlines various strategies and infrastructure projects the community can implement to improve roadway safety for everyone in Archie. All recommendations in this plan are informed by a **thorough crash data analysis, feedback gathered through community engagement, a review of existing city policies, and research into national best practices**. Community members played an essential role in the development of this plan. The top safety concerns identified from the community included:



Lack of Sidewalks



Safety for Children

(walking, biking, and playing)



Reckless Driving

(speeding, underage drivers, and golf carts)



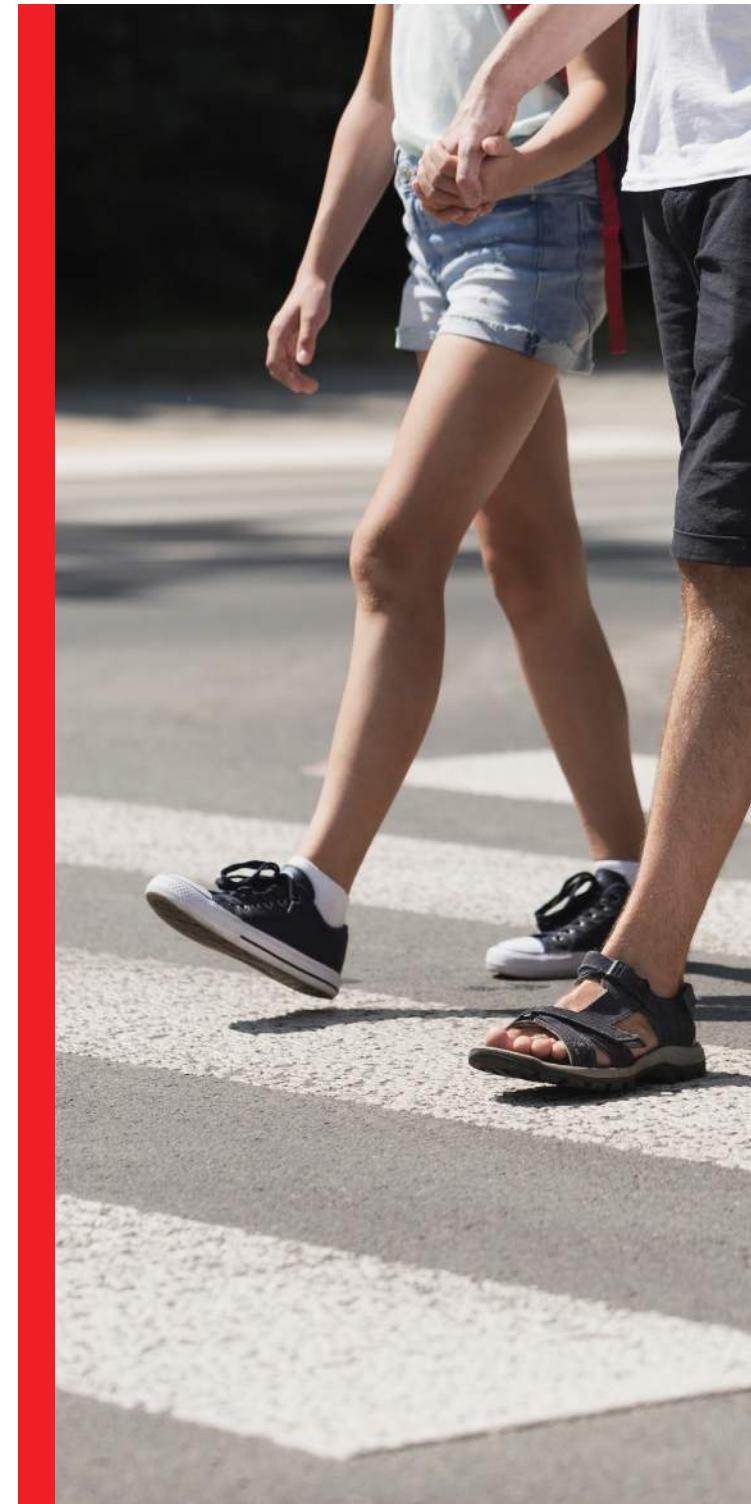
Road Maintenance Needs

(overgrown vegetation and potholes)



Semi-Truck Traffic through Town

The 2025 Archie Safety Action Plan lays out our shared vision: a future where every resident, especially our children, can walk, bike, and drive safely in Archie, supported by infrastructure that meets the current and future needs of the community. The City of Archie is committed to turning this plan into action. **There are 10 infrastructure safety improvement projects identified in this plan, prioritized based on crash risk and community concerns.**



High Priority Projects

- ▶ **HP1** - Pine Street/State Route A and Outer Road
- ▶ **HP2** - State Route A - School Crossing Locations at S Texas Street and S Ohio Street
- ▶ **HP3** - State Route A from S Butcher Road to SW Outer Road
- ▶ **HP4** - Pine Street from S Butcher Road to Outer Road
- ▶ **HP 5** - Delaware Street from W Ash Street to Pine Street

Medium Priority Projects

- ▶ **MP1** - State Route A and S Iowa Street
- ▶ **MP2** - State Route A and Main Street
- ▶ **MP3** - State Route A and S Butcher Road

Lower Priority Projects

- ▶ **LP1** - Outer Road from Jackson Avenue to NW County Road 17402
- ▶ **LP2** - Pine Street and Main Street

Priority Project Locations



The following action steps will guide the City over the next 15 years as we work toward achieving our vision.

1. Review and Update City Ordinances to Promote Transportation Safety for All
2. Create a Permanent Website for Transportation Safety on the City Website
3. Implement Quick-Build Projects
4. Seek Grant Funding Opportunities
5. Establish a Formal Capital Improvements Program (CIP) and On-Going Maintenance Plan
6. Enhance Enforcement Tactics
7. Hold Regular Town Halls or Public Meetings
8. Coordinate with Archie Public School District on Safety Projects
9. Coordinate with MoDOT on High Priority Projects
10. Initiate Planning for City Street Projects
11. Start an Archie Safe Routes to School (SRTS) Program
12. Create a Transportation Safety Messaging Campaign
13. Update this Safety Action Plan and Track Progress

Most importantly, everyone will play a role in improving roadway safety and reducing the risk of crashes in Archie. Action steps for *Individuals and Families, Archie Public School District, and Businesses and Organizations* are also provided in the plan to help everyone understand what they can do to work towards achieving our shared vision. **By working together, we can help to prevent crashes on our streets and improve safety for our community.**





**SAFETY-FIRST
APPROACH**

INTRODUCTION

Determined to keep our streets safe, the City of Archie is taking proactive steps to prevent crashes that result in serious injuries or fatalities. Fortunately, there have been zero crashes resulting in fatalities or serious injuries within Archie city limits over the last decade. Property damage only and minor injury crashes account for the majority of crashes in Archie, which have continued to rise steadily since 2019. However, we know more severe incidents can happen at any time, and to anyone.

By taking action now, Archie is positioning itself as a national leader, especially among rural communities, in prioritizing safety before tragedies occur. Using a safety-first approach, the 2025 Archie Safety Action Plan aims to evaluate crash trends over the past decade, learn from the community's feedback and lived experiences, and provide recommendations to increase safety through various infrastructural, programming, and policy-based solutions. Implementing the recommendations outlined in this plan will take time and hard work from everyone in Archie. **We all have a part to play in creating safer roadway conditions for our families, neighbors, and visitors who travel in Archie.** We must keep our streets safe so that our community never has to experience the heartbreak from a fatal or serious injury crash within our city limits.



THE BIGGER PROBLEM

The National Highway Traffic Safety Administration (NHTSA) estimates that nearly **40,000 people** lost their lives in traffic crashes across the nation in 2024. One of the **leading causes of death for children in the US** is accidents/unintentional injuries, which includes motor vehicle crashes.

VISION AND GOALS

Our Vision:

A future where every resident, especially our children, can walk, bike, and drive safely in Archie, supported by infrastructure that meets the current and future needs of the community.

Our Goals:

- #1 **Prioritize safety for young people.**
- #2 **Collaborate with other agencies.**
- #3 **Plan ahead and consider future traffic needs.**
- #4 **Develop safety solutions for all users, including those biking and walking**
- #5 **Increase community involvement, buy-in, and education.**
- #6 **Identify strategies that Archie can follow through on.**
- #7 **Divert traffic from neighborhoods.**



SAFE TRAVEL FOR EVERYONE

This plan works to prioritize the needs of all people on Archie's streets. Regardless of their age or ability, and whether they're walking, biking, rolling, or driving.

SAFE STREETS AND ROADS FOR ALL (SS4A)

This plan is funded by a grant awarded from the USDOT's SS4A program. The City of **Archie was awarded \$116,000** for Planning and Demonstration activities during the 2023 federal fiscal year. Archie provided \$29,000 in local match funding. The SS4A program funds local safety initiatives to prevent roadway fatalities and serious injuries using the Safe System Approach.

BUILDING THIS PLAN

The US Department of Transportation (USDOT) has outlined seven essential components for developing a comprehensive safety action plan. These components help to promote the successful implementation of the plan, reduce crashes, and prevent serious injuries and fatalities. The project team completed this plan in alignment with the components described below.

Leadership Commitment and Goal Setting:

Archie City Officials have committed to creating safer streets and established goals to sustain our rate of zero annual fatal and serious injury crashes.

Planning Structure:

The Safety Advisory Committee was active throughout the planning process, and Archie will continue to implement the plan and monitor progress.

Safety Analysis:

Crash data from 2015 through 2024 played an important role in understanding current crash trends to identify solutions to improve safety.

Engagement and Collaboration:

The community and Safety Advisory Committee helped to identify strategies to enhance safety, meeting the needs of all stakeholders.

Policy and Process Changes: A review of current city ordinances was conducted to identify opportunities to improve government processes focused on safety.

Strategy and Project Selections: A targeted set of strategies and projects were developed to address safety concerns over the short-, mid-, and long-terms.

Progress and Transparency: Archie has committed to regularly reviewing crash trends, tracking safety project progress, and updating the Safety Action Plan over time.

THE SAFE SYSTEM APPROACH

To prevent death and serious injuries on Archie roadways, the 2025 Archie Safety Action Plan uses the Safe System Approach as a framework for improving safety. This framework acknowledges that roadway safety is a shared responsibility. This means that everyone has a role to play in increasing safety, from those who design the street, to policy makers, and to the individuals who use the streets.

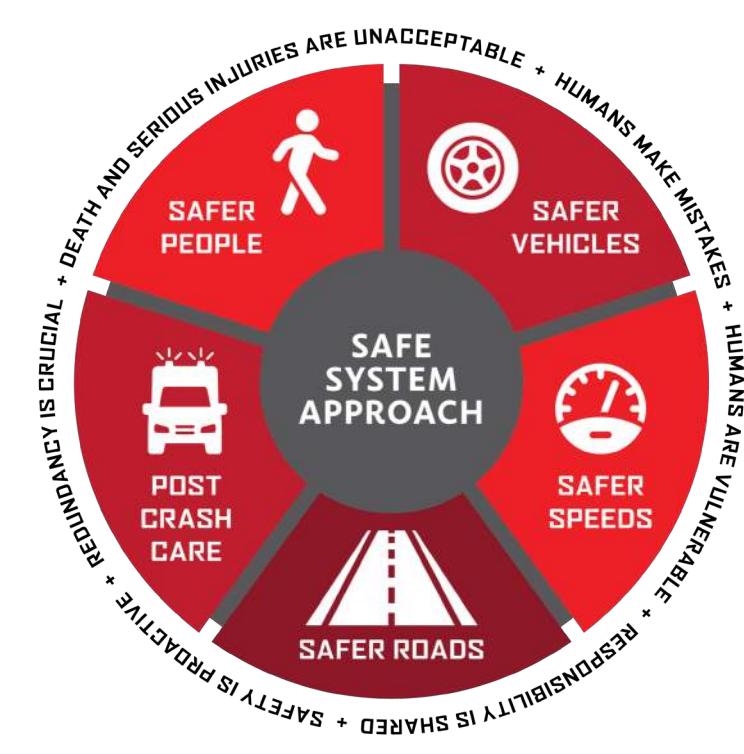
Communities must use a multi-layered approach to create safer roads for all road users. This can be achieved by targeting five key elements of every transportation system (shown in the inner ring):

- ▶ **Safer People**
- ▶ **Safer Roads**
- ▶ **Safer Speeds**
- ▶ **Safer Vehicles**
- ▶ **Post-Crash Care**

These elements are supported by six principles (shown on the outer ring). When each element of the Safe System Approach is addressed and all principles are considered, a safer transportation system for all is created.

The recommendations outlined in this plan align with the Safe System Approach and support the development of a safer transportation system in Archie.

Various strategies, such as safer roadway designs, slower speed limits, and educational



programming, included in this plan, have the potential to collectively create broader system-level change. Ultimately, these changes help everyone to travel safer, regardless of their mode of transportation.



► SAFETY BY
THE NUMBERS

CRASH DATA ANALYSIS

An analysis using crash data was conducted to understand the existing conditions and historical crash trends in Archie. The crash data consists of all roads, regardless of jurisdiction, within Archie city limits. Crashes that occurred on Interstate 49 and parking lots were excluded from this analysis. More details on the Transportation Safety Data Analysis and methodology can be found in [Appendix A](#).



CRASHES OR ACCIDENTS?

The word “accident” is often used to describe traffic crashes. However, accident implies that these events are outside of our control and are not preventable. Instead, we know that many crashes are not just accidents, and that they can be prevented using the Safe System Approach.



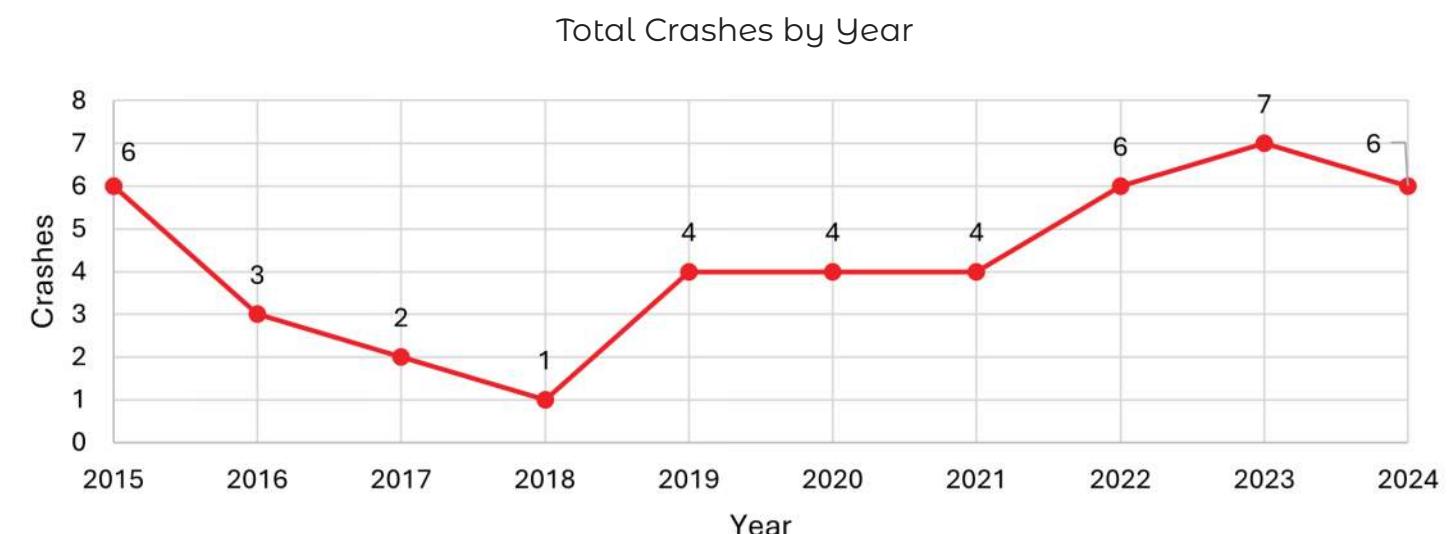
CRASH TRENDS

From 2015 through 2024, there were **43** crashes in Archie. Among these crashes:

- ▶ 8 crashes resulted in minor injuries, including 1 involving a bicyclist.
- ▶ 31 crashes resulted in property damage only.
- ▶ 4 crashes had an unknown severity reported.

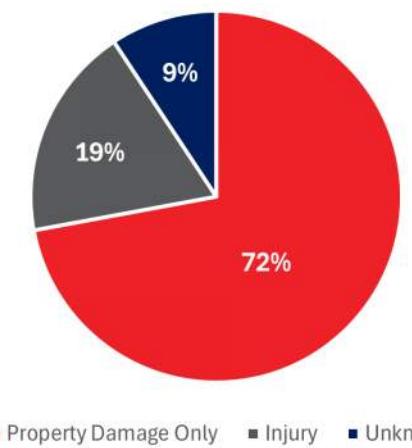
Fortunately, **over these 10 years, zero crashes have resulted in fatalities or serious injuries**. The year with the highest number of crashes was 2023, with seven crashes reported. The number of annual crashes declined from 2015 to 2018.

However, since 2019, the number of crashes per year has increased.



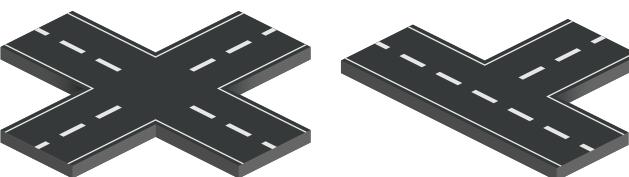
5 of the 8 injury crashes have happened in the last 2 years.

Total Crashes by Crash Severity

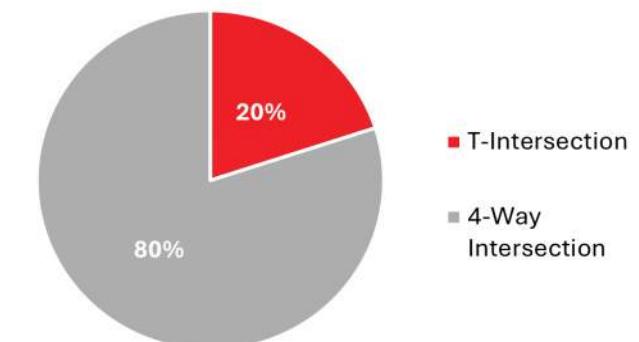


INTERSECTIONS

Most crashes (67%) did not occur at intersections. In fact, seven out of the eight injury crashes occurred outside of intersections. Out of the 10 crashes reported at intersections, the majority (80%) occurred at **four-way intersections**.



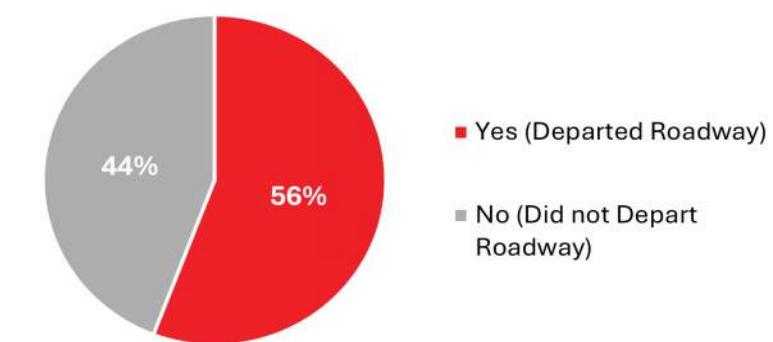
Intersection Crash Locations



ROADWAY DEPARTURES

Over half of all crashes (56%) and half of all injury crashes involved a roadway departure. This means a vehicle departed the travel lane prior to collision. **These crashes can be particularly hazardous for pedestrians and bicyclists.** This crash type is also often related to crashes that involve collisions with fixed objects (e.g., fire hydrants or poles), which accounted for 27% of crashes in Archie.

Roadway Departure Crashes



CRASH TYPES

The most common types of crashes for those involving collisions between two vehicles were **front-to-rear collisions (or rear-end)** and **angle collisions**. Combined, these crashes account for over 30% of all crash types.

Vehicular Crash Types



There have been **7 front-to-rear** crashes since 2015.



There have been **7 angle** crashes since 2015.

CRASH LOCATIONS

Crashes do not occur consistently throughout Archie's transportation network. Among the 43 crashes analyzed, **nearly 70% of crashes occurred on just four different roads**. Combined, these four corridors account for only 2.7 miles (or 19.4%) of the city's total 13.8-mile street network. Additionally, **over 60% of all crashes resulting in minor injuries were on State Route A**.

Top 4 Crash Corridors	Total Count of Crashes	Percent of Total Crashes
Route A (High School Ave.)	17	39.5%
Pine Street	6	13.9%
Outer Road	4	9.3%
Delaware Street	3	6.9%

70% of crashes in Archie occurred on only 19% of the total street miles in town.



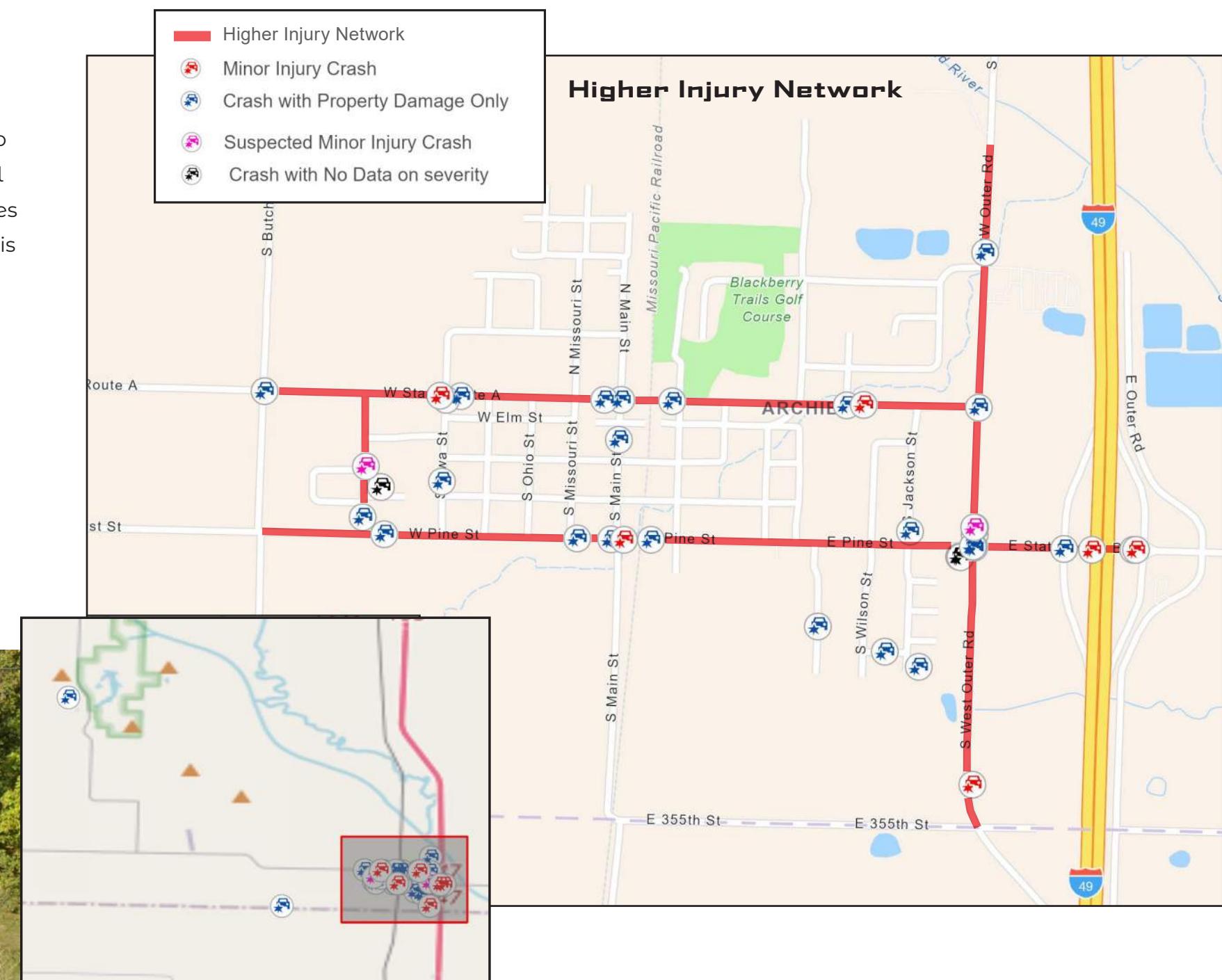
Pedestrian at the intersection of Route A and S Washington St (Source: Google Earth)

TOP CRASH CORRIDOR: STATE ROUTE A

State Route A, also known as A Highway and High School Avenue, connects people to the public school, sports facilities, residential properties, and several commercial properties in Archie. No sidewalks are present along this road, and there is one railroad crossing. The maximum posted speed limit ranges from 55 mph to 35 mph, except for the segments within the 25 mph school zone (when lights are flashing).

HIGHER INJURY NETWORK

Identifying a Higher Injury Network is an effective way to help prioritize future safety investments on the streets that need it most. Archie's Higher Injury Network shows the corridors where a majority of crashes resulting in injuries have occurred. The corridors highlighted in red have the highest risk for crash-related injuries in Archie.



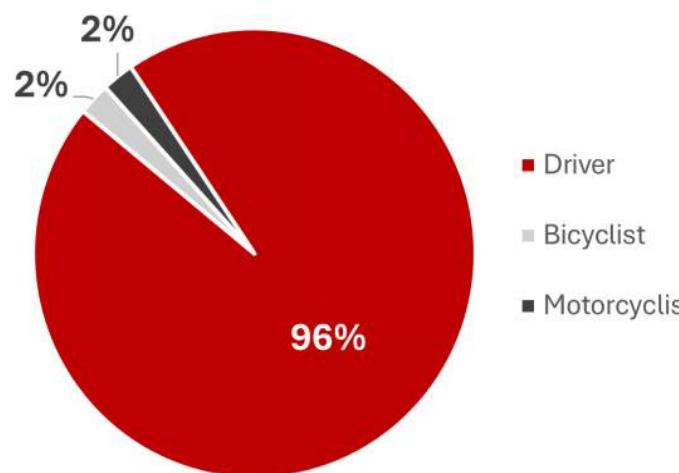
CRASH FACTORS

The following are various factors and contributing circumstances that lead to crashes or are related to the severity of crash outcomes in Archie.

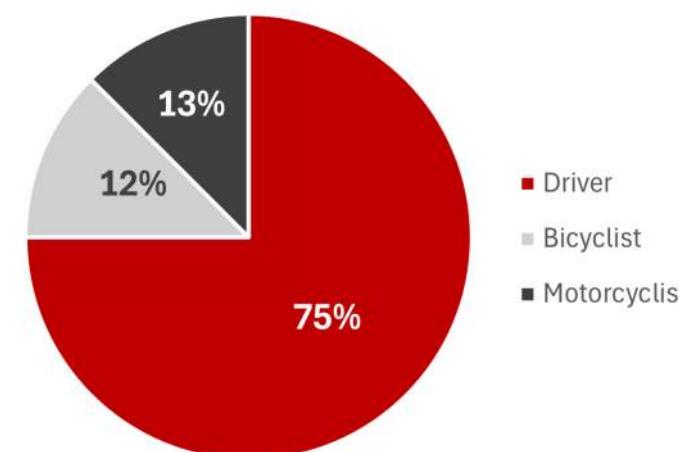
ROAD USERS

Vehicle occupants, including drivers and passengers, are more likely to be involved in crashes than all other types of road users. Of the 43 crashes since 2015, 96% involved only drivers. The other 4% of crashes involved non-drivers, including one motorcyclist and one bicyclist. **However, of the eight injury crashes, non-drivers accounted for a quarter of those injured. This highlights that users outside of vehicles may be more vulnerable to injuries on Archie's roads.**

All Crashes by Road User Type



Injury Crashes by Road User Type



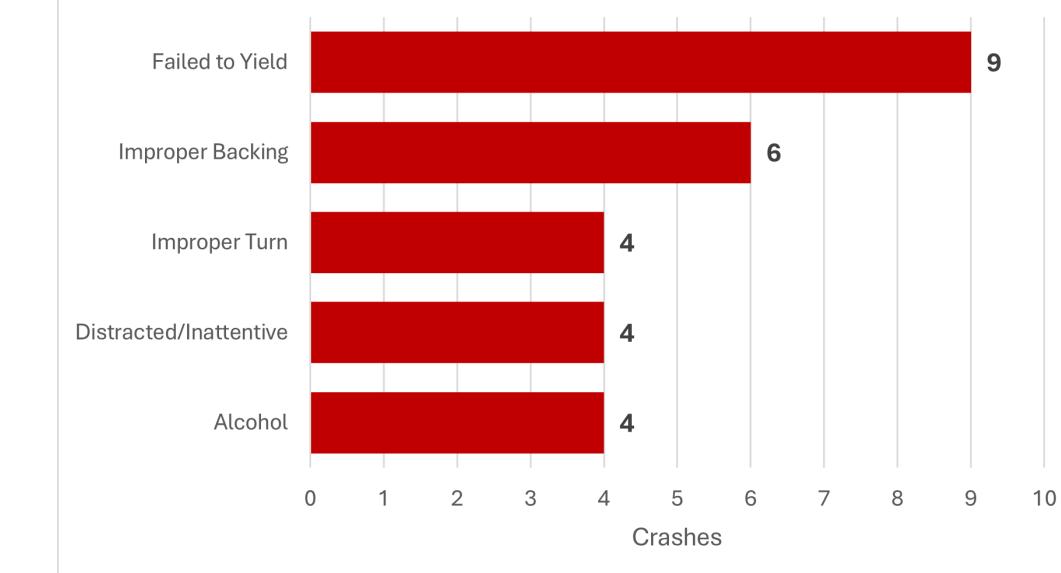
People outside of vehicles, like pedestrians, bicyclists, and motorcyclists, are more vulnerable to injuries when involved in a crash.



DRIVER CONTRIBUTING FACTORS

Official crash reports often include behavioral factors that contributed to crashes. In Archie, the top five driver-contributing behaviors include **failing to yield (accounting for 20% of crashes), improper backing, improper turning, distracted driving, and alcohol use.**

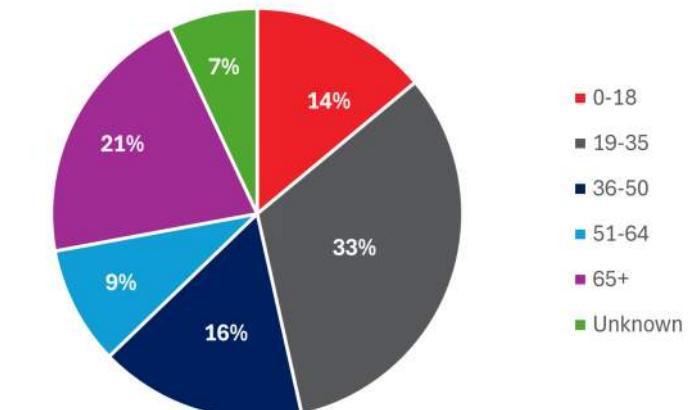
Top 5 Contributing Factors



AGE

Data shows that **people aged 19 to 35 years are involved in more crashes and are more likely to get injured** compared to all other age groups in Archie. Among this group, **alcohol** was cited as the most common driver contributing factor.

Crashes by Driver's Age



Alcohol was cited as the most common driver contributing factor among 19-35 year olds.

DRIVING SPEEDS

While the speed limit in Archie is 20 mph unless otherwise posted, **a majority of crashes occurred on roadways with a posted speed limit of 35 mph.** Roads with this speed limit include State Route A and Outer Road.



ENVIRONMENTAL CONDITIONS

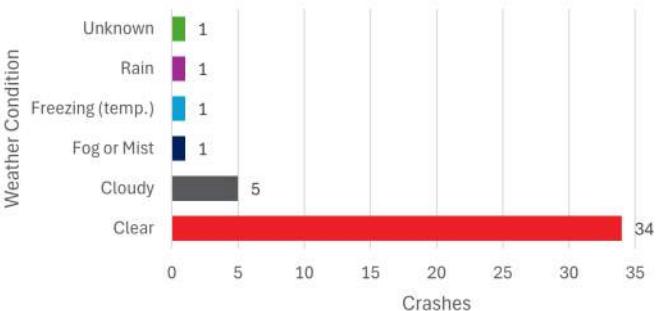
Roughly 80% of all crashes occurred in **dry and clear weather conditions.** However, two of the eight injury crashes occurred in freezing and cloudy conditions.

LIGHTING

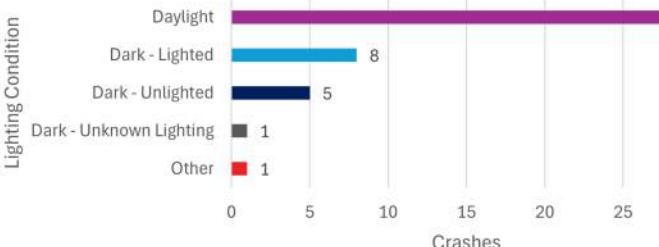
Most crashes in Archie also happened during the day under daylight conditions. However, roughly 40% of crashes at night occurred in dark, unlit conditions, including one injury crash.



Crashes by Weather Condition



Crashes by Roadway Lighting Condition



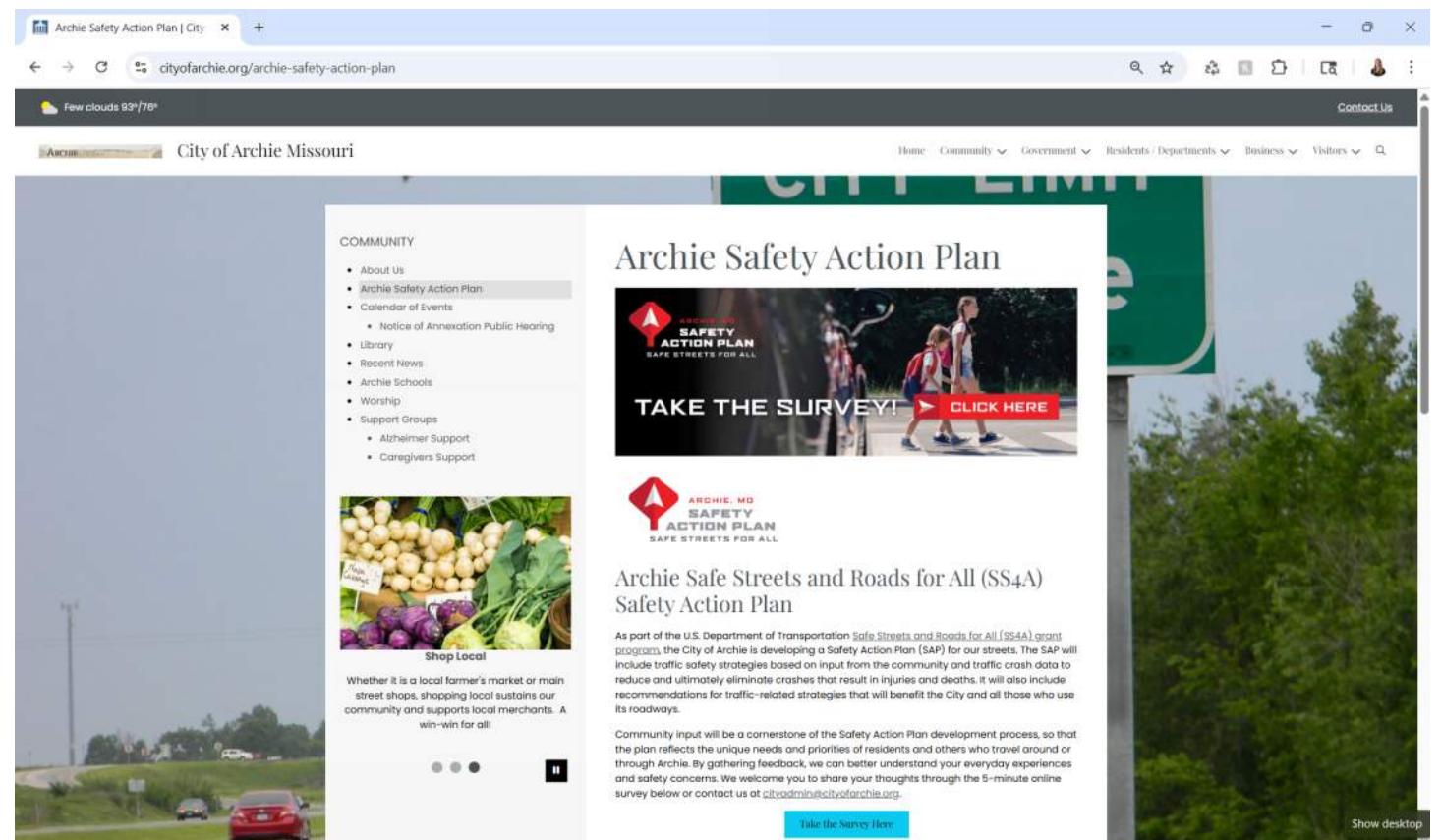


**LISTENING TO
ARCHIE**



COMMUNITY ENGAGEMENT

Community engagement was an essential component during the development of the Archie Safety Action Plan. The public and the Safety Advisory Committee provided valuable feedback on their lived experiences using Archie's roads and safety concerns. Engagement opportunities were available in a variety of formats, including virtual and in-person. More details on the community engagement can be found in **Appendix B**.



ONLINE ENGAGEMENT

The City of Archie hosted an *Archie Safety Action Plan* webpage on the City's official website throughout the plan's development. This has allowed the community to engage in an online survey, subscribe to email and/or text notifications regarding project updates, and learn more about the importance of transportation safety and why this project is important for everyone in Archie.

SOCIAL MEDIA

Social media posts on the City's existing accounts provided updates on the project, advertised opportunities to participate, and helped build awareness of the creation of the Safety Action Plan.

PUBLIC SURVEY

A virtual survey was linked on the City's website and provided members of the public with the opportunity to share their everyday experiences using Archie's roads and their top safety concerns. **Over 100 people participated in the survey!** 89.74% of respondents live in Archie, 14.53% work there, and 20.51% commute through town.



Half of survey respondents have been injured or know someone who has been killed or injured in a traffic crash.





Sidewalks were mentioned in 50% of survey responses.



TOP SAFETY CONCERN

The most frequently cited safety concerns among survey respondents include:

- ▶ **Archie's lack of sidewalks.** This was particularly true for many people who worry about those walking and biking in town.
- ▶ **Safety for children in Archie.** Many respondents worry about how safe it is for children in the community to travel to school on foot or bike or to play outside.
- ▶ **Reckless driving behaviors.** Respondents cited that speeding, underage driving, and the use of golf carts all influences their perceptions of street safety.
- ▶ **Semi-truck traffic through town.** Many felt that semi-truck traffic caused unsafe conditions, especially for those walking to the park.



According to the Federal Highway Safety Administration (FHWA), sidewalks reduce crash risk by **66-89%** for pedestrians walking along roadways.

TRAVEL PATTERNS

A vast majority of survey respondents reported that they drive as their primary mode of transportation. Less than 4% of respondents said they walk or bike as their primary travel mode. However, roughly **70% of respondents indicated that they do walk in the community regularly.** These individuals reported that they walk at least one to six times per week.



▶ 100% said they have never driven while intoxicated, but believe 75% of other people drove while intoxicated 1-4 times in the past month.



▶ 92% "never" or "rarely" drive more than 5 mph over the speed limit, but believe that 85% of others do this "half of the time" or "almost always."



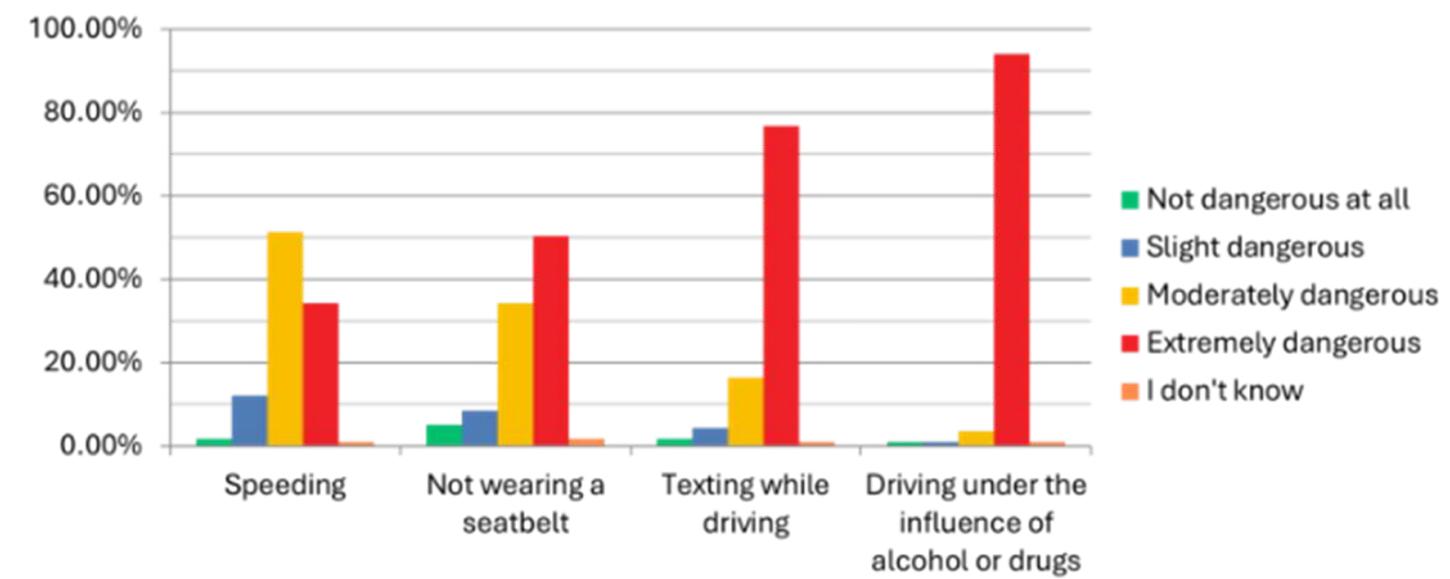
▶ 91% "never" or "rarely" use their phone while driving, but believe that ~85% of others use their phone while driving "half of the time" or "almost always."

DRIVING BEHAVIORS

Most people self-reported that they do not engage in dangerous behaviors, but they believe others are more likely to engage in risky driving behaviors.

PERCEPTIONS OF SAFETY

Respondents voiced varying perceptions of how risky they believe specific driving behaviors are. A majority of people agree texting while driving and driving under the influence is dangerous. **However, respondents had mixed perceptions on the safety risks of speeding and not wearing a seatbelt.**



SAFETY ADVISORY COMMITTEE

The purpose of the Safety Advisory Committee was to provide oversight and feedback throughout the plan development process. The committee helped to establish the plan's vision and goals and identified recommended projects and action steps. The committee was composed of key stakeholders in Archie and included employees from the City of Archie, the former Mayor, Archie R-5 School District, Police Department, and representatives from Western Material and Design. There were two Safety Advisory Committee meetings held at City Hall. These meetings typically involved a brief presentation to inform the group on crash trends and the Safe System Approach, followed by discussion and brainstorming activities.

- ▶ Meeting #1 - Tuesday, May 6, 2025
- ▶ Meeting #2 - Thursday, July 31, 2025

PRIORITY SAFETY STRATEGIES

The following infrastructure and policy or program-based strategies were identified by the Safety Advisory Committee as key strategies to pursue in Archie to improve safety.



KEY DISCUSSION POINTS

The following text bubbles highlight key considerations made by the Safety Advisory Committee that influenced the outcomes of the recommendations in this plan.

Education is a top priority, but safety for our kids must come first.

The ultimate goal should be to create safe, connected sidewalks that provide a secure route from point A to point B.

Planning for growth means planning for safety first.

It's not a matter of whether a child gets hurt; it's a matter of when, unless we take action to prevent it ahead of time.

Kids walk all over town, without safe sidewalks or crossings.

We can't wait for a tragedy to push action.

We need to think multimodally, as people should be able to get anywhere in town safely, whether they're walking, biking, or driving.

With a new gas station coming into town, we expect increased traffic, including from people who don't live in Archie and may not share the same concern for our community's safety.

The increasing mix of pedestrian traffic and heavy vehicles poses a serious safety concern.

Progress won't happen with just a small group of voices. We must strongly advocate for improvements that lead to safer conditions.

Golf carts have become a concern as children are seen driving when they are not supposed to. It's only a matter of time before a kid is seriously hurt.



**ROADMAP
FOR A SAFER
FUTURE**



SAFETY RECOMMENDATIONS

This section outlines recommendations for various strategies and projects to improve roadway safety in Archie. **These recommendations are based on a data-driven approach using the results from the data analyses, community engagement process, a review of current city policies, and research on national best practices.** Each recommendation may target one or multiple elements of the Safe System Approach. However, they can work collectively to improve safety across the entire transportation system. More details on the recommendations can be found in **Appendix C**.



WHAT IS A COUNTERMEASURE?

These are strategies that counteract current roadway conditions and user behaviors to improve safety. The Federal Highway Administration (FHWA) and NHTSA have identified proven safety countermeasures that are known to increase safety and many are recommended for Archie.

SAFETY COUNTERMEASURES

The City of Archie has developed a toolkit of proven safety countermeasures ranging from engineering solutions to educational campaigns. Regardless of the project or policy, they are all designed to prevent crashes that result in fatalities and serious injuries in Archie.

INFRASTRUCTURE COUNTERMEASURES

The following recommended infrastructure countermeasures may require capital investments from the City or State and/or right-of-way acquisition. These countermeasures can be implemented everywhere across the city to improve safety system-wide or in strategic locations based on existing safety concerns.

Legend

High	Medium	Low	
			Expected Crash Reduction
			Cost to Implement
			Implementation Difficulty



Safer Crossing

Crosswalk visibility projects can enhance the visibility of crosswalks and the people who are using them for drivers. Enhancements may include high-visibility crosswalk markings, lighting, and signage.



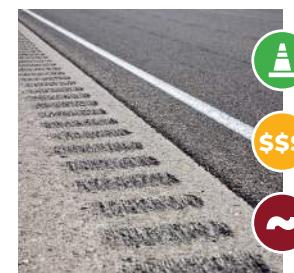
Calmer Traffic

Traffic calming uses roadway design strategies to reduce vehicular speeds and improve safety for all. Various tactics may include curb extensions, median islands, speed humps, and raised crosswalks.



Speed Feedback Signs

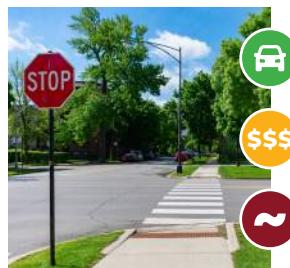
Typically displayed alongside posted speed limit signs, these dynamic signs register and present a driver's speed in real time and warn when a driver needs to slow down.



Roadway Departure Safety

Roadway departure crashes are a major concern in Archie. However, there are safety countermeasures that can reduce the likelihood of drivers leaving their travel lane and reduce the severity of crashes that do occur. Strategies may include adding or widening shoulders and pavement modifications, such as rumble strips, safety edges, and wider edge lines.

Some countermeasures can be constructed as Quick-Build projects. This is a cheaper and faster way to install temporary or permanent safety solutions. Materials usually include paint, rubber, plastic, or concrete. These projects typically do not require any right-of-way acquisition or costly and time extensive utility improvements.



Sidewalks

Sidewalk expansion is a top concern in Archie. Investing in a safe and accessible sidewalk network encourages walking and enhances pedestrian safety by separating pedestrians who walk or roll from vehicular traffic. Sidewalks should be constructed with “buffer zones” between the sidewalk and the road, whenever possible, to increase pedestrian comfort. Costs will vary based on sidewalk material, utilities, stormwater infrastructure, and the width of the sidewalk.



POLICY AND PROGRAMMING COUNTERMEASURES

The City of Archie can also utilize various proven programming and policy-based solutions that are known to address safety concerns and promote safer behaviors in the community. A review of current city policies and programs was conducted to identify areas of opportunity for enhancing safety in municipal processes.



Safe Routes to School (SRTS) Program

SRTS programs aim to increase the number of kids walking and biking to school while enhancing the safety of these routes through education and engineering. The City of Archie should partner with the Archie Public School District and coordinate with the state (MoDOT) and regional organizations when implementing an SRTS program.



New and/or Updated City Ordinances

The City of Archie should update its existing ordinances to make safety a top priority in the community. Updates may include new language regarding obstructions in walkways, updated truck routes, and/or increased fines for traffic violations. Additionally, creating new city ordinances can set Archie on track for long term success and may include a new sidewalk ordinance and/or a Vision Zero ordinance that formally commits the City to working towards eliminating all serious injury and fatal crashes in the community.



Mass Media Campaigns

A variety of media channels, including radio, television, print, signage, and social media, can be used to promote the importance of transportation safety within the community. Media campaigns can be designed to target particular behaviors or road users.



Enhanced Police Enforcement

Top contributing crash behaviors in Archie include driving under the influence and driving while distracted.

Additionally, Archie law enforcement cites the illegal driving of golf carts and unsafe e-bike behaviors as other top risks in the community.

- ▶ Examples of enhanced techniques that law enforcement in Archie can explore include saturation patrols, high-visibility enforcement, and integrated enforcement.
- ▶ Any targeted enforcement strategy should be paired with public education. The purpose of targeted enforcement is not to collect ticket fines – the purpose is to encourage safer behaviors and prevent future crashes.

SAFER SPEEDS: SPEED LIMIT REDUCTIONS IN ARCHIE

Speed control is one of the most effective ways to prevent crashes and reduce fatalities and serious injuries. As residents of Archie have noted, speeding is a top concern in the community.

It is recommended that the City of Archie updates current posted speed limits by:

- ▶ Updating the speed limits for State Route A and Outer Road from 35 mph to 30 mph.
- ▶ Updating the School Zone speed limit from 25 mph to 20 mph.
- ▶ Increasing the fine amounts for speeding within City limits and especially within the School Zone.

THE IMPACT OF DRIVING SPEEDS ON PEDESTRIANS

According to the FHWA, a pedestrian has a 50% chance of being killed when struck by a driver traveling at 42 mph. At 23 mph, that pedestrian's risk drops to 10%.



9 out of 10 pedestrians survive being hit by a vehicle traveling at 20 mph.



5 out of 10 pedestrians survive being hit by a vehicle traveling at 30 mph.



1 out of 10 pedestrians survive being hit by a vehicle traveling at 40 mph.

A DRIVER'S CONE OF VISION

Driving speeds also impact on a driver's cone of vision, or the visual area they can see. The faster someone drives, the smaller their cone of vision is. This is especially dangerous for pedestrians trying to cross streets where drivers are driving at high speeds.



SAFETY IMPROVEMENT PROJECTS

This section presents a list of the recommended safety improvement projects in Archie. These projects focus on corridors and intersections that have the highest crash and injury risks. Projects are recommended to be initiated based on priority. Project initiation steps may include processes such as seeking funding options, developing concept designs, and other phases of project development. Projects do not need to be fully implemented and constructed within these recommended initiation timelines.

- ▶ **High Priority Projects (HP):** Should be initiated within 0-5 years following the adoption of the Safety Action Plan.
- ▶ **Medium Priority Projects (MP):** Should be initiated within 6-10 years following the adoption of the Safety Action Plan.
- ▶ **Lower Priority Projects (LP):** Should be initiated within 11-15 years following the adoption of the Safety Action Plan.

Priority Project Locations



PROJECT ID	LOCATION	TYPE	CRASHES
High Priority Projects			
HP1	Pine Street/State Route A and Outer Road	Intersection	3
HP2	State Route A - School Crossing Locations at S Texas Street and S Ohio Street	Intersection	0
HP3	State Route A from S Butcher Road to SW Outer Road	Corridor	10
HP4	Pine Street from S Butcher Road to Outer Road	Corridor	6
HP5	Delaware Street from W Ash Street to Pine Street	Corridor	3
Medium Priority Projects			
MP1	State Route A and S Iowa Street	Intersection	3
MP2	State Route A and Main Street	Intersection	2
MP3	State Route A and S Butcher Road	Intersection	1
Low Priority Projects			
LP1	Outer Road from Jackson Avenue to NW County Road 17402	Corridor	4
LP2	Pine Street and Main Street	Intersection	2

HIGH PRIORITY PROJECTS

HP1 - Pine Street/State Route A and Outer Road (Intersection)

It is recommended to update this intersection to a 4-way stop with flashing LED signs, stop bars, and high-visibility crosswalks. Over the longer term, the city should work with MoDOT for a signalized intersection or roundabout to be installed.

HP2 - State Route A – School Crossing Locations at S Texas Street and S Ohio Street (Intersections)

To improve pedestrian safety (especially for children), it is recommended that the City considers installing high-visibility, ADA-accessible crossings, pedestrian-activated rectangular rapid flashing beacons, median refuge islands, and crosswalk murals in partnership with the school at the crossing locations adjacent to the school. Additionally, launching a safety campaign focused on safety signage, such as Changeable Message Signage (CMS) near the school, and managing/updating school crossing guard programs when needed.

HP3 - State Route A from S Butcher Road to SW Outer Road (Corridor)

It is recommended that the City prioritizes constructing sidewalks throughout the corridor, widening travel lane shoulders, improving lighting, installing speed feedback signs, and reducing speed limits to 30 mph (20 mph in the School Zone). The broken or dashed centerline should also be replaced with a solid double yellow line, and obstructive vegetation should be cleared, especially at intersections.

HP4 - Pine Street from S Butcher Road to Outer Road (Corridor)

It is recommended that the City reroutes truck traffic from Pine Street between Outer Road and Washington Street, using Outer Road, Route A, and Washington Street. Sidewalks and high-visibility crosswalks should be added and be prioritized from Main Street to State Route A for safer park and business access. The City should also consider widening travel lanes to 12 feet, adding shoulders, and enhancing lighting.

HP5 – Delaware Street from W Ash Street to Pine Street (Corridor)

It is recommended that the City explores safety improvements on this corridor, such as speed humps, enhanced lighting, and either restricting on-street parking or implementing marked spaces for vehicles, and slow vehicle speeds.



Many of these projects are eligible for outside funding opportunities including from the USDOT, MoDOT, and/or MARC grants.

MEDIUM PRIORITY PROJECTS

MP1 - State Route A and S Iowa Street (Intersection)

It is recommended that sidewalks are constructed along State Route A, in addition to the use of high-visibility crosswalks, rectangular rapid flashing beacons, and warning signs. Converting the intersection to a 4-way stop may be explored as a longer-term option in coordination with MoDOT.

MP2 - State Route A and Main Street (Intersection)

It is recommended that the City implements countermeasures that increase drivers' awareness of other road users in this location and reduce speeding. This may include installing high-visibility crosswalks, rectangular rapid flashing beacons, and advanced intersection and crosswalk warning signs. In coordination with MoDOT, the City could explore turning this intersection into a 4-way stop.

MP2 - State Route A and S Butcher Road (Intersection)

It is recommended that the City creates conditions that provide drivers entering town with heightened awareness of others sharing the road and provide more time to react during conflicts, including "Reduced Speed Limit Ahead" signs, transverse rumble strips, speed feedback signs, and signage that states "Now Entering the City of Archie" to reinforce the change in context and speed. It is also recommended that the speed limit is reduced to 35 mph on State Route A and to 45 mph on the segment of State Route A west of Butcher Road to the sports complex.

LOWER PRIORITY PROJECTS

LP1 - Outer Road from Jackson Avenue to NW County Road 17402 (Corridor)

It is recommended that the City explores constructing sidewalks throughout this corridor, widen travel lane shoulder for driver safety, and install dynamic speed feedback signs.

LP2 - Pine Street and Main Street (Intersection)

It is recommended that the City considers turning this intersection into a 4-way stop-controlled intersection and providing advanced warning signage. Over the longer-term, the City may consider improvements to the rail grade crossing to lessen the sharp slope east and west of the crossing.



**A SAFETY
ACTION PLAN
FOR ALL**

SAFETY ACTION PLAN

Now is our time to act. We understand how crashes have affected our community, what conditions influence safety, and have identified a variety of potential solutions that can

make travel safer for everyone. The purpose of this section is to provide everyone in our community with action steps they can take to improve roadway safety in Archie. Helping everyone to understand their personal role in our shared vision. This includes YOU and your family and neighbors, our local government and partners (MoDOT and Cass County), the Archie Public School District, and local businesses and organizations.

ACTIONS FOR INDIVIDUALS AND FAMILIES

The collective actions of individuals have the potential to transform roadway safety in Archie. Everyone has a personal responsibility for keeping themselves, their loved ones, and neighbors safe when sharing the road. Families and caretakers also play a vital role in shaping the behaviors of the next generation of current and future road users. The top three actions every individual can take to improve safety in Archie includes:

- ▶ **Educate family members on the importance of roadway safety for all road users.**
- ▶ **Abide by Archie's traffic laws and encourage others to do the same.**
- ▶ **Attend public meetings and promote the implementation of the Archie Safety Action Plan.**

The table to the right is designed for **safety champions** in the community. These self-identified individuals can become leaders in the community for implementing actions identified in this plan and may distribute information related to transportation safety to their family, friends, and neighbors.

Always drive at or below the speed limit to model a safer driving behavior.

Never use other electronic devices while driving. Develop a Safety Pledge for your household that commits everyone to practice safer driving behaviors.

Buckle up while in a vehicle and encourage others to do the same.

Always have a designated driver and never drive while under the influence of alcohol or drugs.

Understand the laws surrounding golf cart usage and where driving golf carts is illegal in town.

Try using active transportation (e.g., walking, biking, rolling) and encourage others to also use active transportation when making trips within Archie city limits.

Practice safer pedestrian and bicyclist behaviors, such as looking both ways before crossing a street, using a walkway or trail if available, and wearing a helmet when biking or using wheeled devices.

If your home has e-bikes, review and require children to review e-bike safety trainings before using them on the streets (for more information see www.walkbiketoschool.org).

Have conversations with children early about the importance of safety, including wearing a seatbelt or helmet to encourage lifelong safety habits.

Always properly secure children in appropriate safety seats in vehicles based on their age and weight.

Request that your child's school promote transportation safety and advocate for a Safe Routes to School program and a School Crossing Guard program.

Become a role model for those learning to drive, including teenagers, and have conversations regarding the consequences of driving while distracted, impaired, and speeding.

Encourage college students returning home for breaks to practice safer driving behaviors and serve as role models for younger students.

Continuously monitor the driving abilities of older individuals in your life and be prepared to engage in conversations about their ability to drive safely and intervene when necessary. Consider helping them find alternative modes of transportation.

Support law enforcement in their efforts to improve safety on Archie streets. The issuance of traffic citations is not intended to raise revenue for the City—it is intended to improve driver behavior and compliance with the laws which will prevent crashes and save lives.

ACTIONS FOR ARCHIE PUBLIC SCHOOL DISTRICT

The Archie Public School District can make a large impact in improving roadway safety in the community, especially for children and families or caretakers who travel on Archie roads to get to school. Becoming a leader in this effort will involve coordination with the City to promote safer travel routes for children.

Partner with the City to develop and implement a Safe Routes to School program and a School Crossing Guard program.

Advocate for slower speeds on State Route A to MoDOT and the implementation of traffic calming measures so students can travel to school safely by any mode of transportation (e.g., walking, biking, scootering).

Consider changing the operations of the school speed zone flashers. Activating the flashers for shorter durations leads to better speed compliance by drivers. There may be some times during the middle of the day when fewer students are arriving at or leaving the schools that the flashers could be turned off.

Partner with the City to explore opportunities for engaging students, caregivers, and families in creating crosswalk street murals adjacent to the school, thereby increasing all road users' awareness of the importance of transportation safety and sharing the road with children.

Develop transportation safety education tailored to youth who walk or bike to school. This can be incorporated into physical education, health classes, or offered during after-school programs.

Coordinate an annual Walk and Bike to School Day similar to many other communities across the nation (see www.walkbiketoschool.org for more information). These events can happen on a more regular basis depending on the community's support.

Provide transportation safety information to all students during annual orientations, including the consequences of driving while distracted or impaired, and speeding.

Task a student organization (e.g., student council) with raising awareness and promoting safer changes in driving behaviors among teens.

Partner with teachers, daycares, and after-school programs to provide families and caretakers with information on transportation safety, including child passenger safety, and explain how they can help advance Archie's mission to create safer streets for all.

Encourage the City to host a Transportation Safety Intern who can earn volunteer hours while serving as an ambassador for safety among peers and as a liaison between the City and students as the Safety Action Plan is implemented.

ACTIONS FOR LOCAL BUSINESSES AND ORGANIZATIONS

Local businesses and organizations play an integral role in shaping the way of life in Archie. These entities can influence the behaviors of both customers and employees while creating a culture of safety stemming from the top down.

Adopt an office policy requiring the practice of safe driving behaviors for all employees during company time, including always wearing seatbelts and never speeding, driving while distracted, driving while impaired, or driving while drowsy. Offer incentives to employees who demonstrate safer driving behaviors.

Mandate regular drivers' education courses for all employees, including during orientation and annually during regular training sessions (for examples of driver training see the National Safety Council's Defensive Driving Course at www.nsc.org/safety-training/defensive-driving/train-your-employees).

If employees operate large commercial vehicles, businesses and organizations should continuously enforce safer driving practices, such as adhering to designated truck routes and speed limits.

Advocate for safe and accessible active transportation networks that better serve your business, its customers, and employees who live in Archie. Offer incentives for employees who use active transportation (e.g., walking, biking, rolling, or public transit) to commute to work.

Encourage regular Walk and Bike to Work Days in partnership with other local businesses.

Promote transportation safety during workplace meetings and encourage employees to actively participate in advancing Archie's Safety Action Plan.

Consider sponsoring crosswalk street murals or safety messaging signage in partnership with the Public School District and/or the City to work together to promote safety in the community.

Provide transportation safety information to customers and explain how they can contribute to advancing Archie's mission of creating safer streets for all.

ACTIONS FOR THE CITY OF ARCHIE

The following action items are specific to the City of Archie to initiate or implement over the next 5 years following the adoption of the Archie Safety Action Plan.

Action Item	Action Description	Champions	Timeline
1. Review and Update City Ordinances to Promote Transportation Safety for All	Starting with the updates and new ordinances recommended in this plan, the City of Archie should review current policies and amend existing or pass new ordinances that promote safety for all road users. This may include a sidewalk ordinance, amended truck routes, and speed limit reductions, as deemed feasible and applicable. Post municipal code of ordinances in an accessible online repository on the city website or using a service like Municode from CivicPlus.	Mayor, Board of Aldermen	Begin within 1 year following plan adoption.
2. Create a Permanent Website for Transportation Safety on the City Website	The City of Archie should create a permanent landing page on the city website to host the Safety Action Plan, its appendices, and for more information on transportation safety in the community. The City may also post regular updates regarding crash data reports to inform residents on safety projects and progress made toward increasing safety for all road users. The city can use this site, along with social and traditional media to publicize enforcement and safety messaging campaigns.	City Administrator	Begin within 1 year following plan adoption.
3. Implement Quick-Build Projects	Identify opportunities to implement quick-build projects or demonstrations to improve safety in a cost and time saving manner. Prioritize implementing quick-build solutions on streets with high crash risks. Ideas and materials for quick-build projects may include creating curb extensions using paint or plastic posts, dynamic speed feedback signs, or new signage at crosswalks. For more examples, check out the City of Orlando's Quick-Build Project Guide.	Board of Aldermen	Begin within 1 year of plan adoption and repeat on an ongoing basis.

Action Item	Action Description	Champions	Timeline
4. Seek Grant Funding Opportunities	Identify which of the recommended projects are eligible for outside grant funding sources. Develop a strategy to apply for regional, state, and federal funding opportunities to support the implementation of these projects. The City should apply for another SS4A demonstration grant in Fiscal Year 2026 (the final year of the program). The City should also work to partner with the County or MoDOT to combine projects and/or to help provide matching funds for the SS4A program and other local grants. The Mid-America Regional Council administers many federal grant programs that could assist with funding for Archie's safety projects through the Transportation Alternatives (TA) (includes Safe Routes to School funding), Surface Transportation Block Grants (STBG), among others.	Mayor, Board of Aldermen, City Administrator	Begin within 1 year of plan adoption and repeat on an ongoing basis. SS4A grant applications will be due in Summer 2026.
5. Establish a Formal Capital Improvements Program (CIP) and On-Going Maintenance Plan	A CIP is an essential tool for governments to plan for, manage, and fund infrastructure investments over the long term. The City of Archie should develop a CIP that is updated annually to reflect the current and future infrastructure projects planned over a five-year period. Safety improvements, like sidewalks and other projects included in the Safety Action Plan, should be a key component of the CIP. Projects should be planned and prioritized based on expected safety benefits and in alignment with the high, medium, and low priority projects identified in the plan. Additionally, ongoing required maintenance projects should be included in the CIP, such as vegetation clearance and pothole filling.	Mayor, Board of Aldermen, City Administrator	Begin within 1 year of plan adoption and repeat annually.

Action Item	Action Description	Champions	Timeline	Action Item	Action Description	Champions	Timeline
6. Enhance Enforcement Tactics	The City should explore additional methods to improve transportation safety through enhanced enforcement efforts. This may include focused saturation patrol events focused on seatbelt usage, proper golf cart usage, speeding, intoxication, and distraction. The work should also include high visibility enforcement with conspicuous traffic enforcement tactics such as speed enforcement along Route A and the North Outer Road.	Police Department	Begin within 1 year of plan adoption and repeat as deemed necessary.	10. Initiate Planning for City Street Projects	The City should begin the initial phases of implementing projects identified in this plan located on roadways under local jurisdiction. This may include initial project planning phases, seeking funding opportunities, and quick-build project installations.	Mayor, Board of Aldermen, City Administrator	Begin within 2 years of plan adoption.
7. Hold Regular Town Halls or Public Meetings	The City of Archie should hold regular Town Halls or similar public meeting events to engage citizens in processes related to infrastructure projects and/or safety strategies the City will be pursuing. This will give residents the opportunity to give feedback to the City about what's working and what's not working. Doing so will allow the City to better assess how satisfied residents are with changes and their perceptions of safety in the community.	Mayor	Begin within 1 year of plan adoption.	11. Start an Archie Safe Routes to School (SRTS) Program	Coordinate with the public school district, state, and regional partners to develop an Archie SRTS program. This program should include partnership with the school to develop educational materials, and/or coordinate community events like Walk and Bike to School Days.	Archie Public School District, City Administrator	Begin within 2 years of plan adoption.
8. Coordinate with Archie Public School on Safety Projects	Coordinate with Archie Public School District to promote safety for students walking and biking to school. Establish adequate school crossing guard programs and update as necessary. Consider annual Back-to-School Safety events in partnership with Archie police and EMS. Additionally, the City should work with the school whenever implementing new infrastructure projects on Route A to prioritize improvements that benefit the safety of students.	Archie Public School District, City Administrator	Begin within 1 year of plan adoption.	12. Create a Transportation Safety Messaging Campaign	Create and promote a new Safety Messaging Campaign for Archie. This can include various media, such as radio, television, print, and social media. Archie can look at the various examples of Safety Messaging Campaigns throughout the U.S. to help develop their own, such as following the NHTSA safety months and events. For example, April 2025 was National Distracted Driving Awareness Month. This messaging campaign can be targeted at particular behaviors or road users to align with what would be most effective for them in Archie. The City could post messaging, flyers, or other materials on the city website or in collaboration with local businesses for residents to look at or help distribute.	City Administrator, Local businesses	Begin within 2 years of plan adoption.
9. Coordinate with MoDOT on High Priority Projects	Begin coordination and partnership with MoDOT to initiate safety projects identified on roads under state and county jurisdiction. Advocate for the inclusion of safety improvements such as sidewalks and high-visibility crosswalks, where feasible, along these roads. High priority projects include: State Route A and Pine Street corridor improvements	Mayor	Begin within 2 years of plan adoption.	13. Update Safety Action Plan and Track Progress	As part of the USDOT's SS4A requirements, the City of Archie should regularly track their progress in improving safety in the community and implementing projects. The City of Archie should develop regular reports that analyze new crash data and evaluate the effectiveness of safety improvements in reducing crashes. These processes should be transparent and made publicly available to keep the community informed on safety conditions.	City Administrator	Begin with 5 years of plan adoption and update every 5 years.



CONCLUSION

The City of Archie Safety Action Plan serves as a starting point for addressing transportation safety concerns and working towards reducing and preventing crashes in the community. Using data analyses and community engagement, numerous projects, policies, and countermeasures have been selected and recommended for Archie. These recommendations align with the Safe System Approach and address safety throughout the various layers of Archie's transportation system, including users, speeds, and roadway conditions. Through continued efforts to encourage responsible road user behaviors, designs safer multimodal transportation networks, and collaboration with the community, Archie will create and promote safer streets for all.



SAFETY ACTION PLAN
ARCHIE, MISSOURI