

SAFE STREETS FOR ALL

Stakeholder Engagement Plan

PREPARED FOR

Bi-State Regional
Commission and the Quad
Cities, Iowa/Illinois; Kewanee,
Illinois; and Muscatine, Iowa

SUBMITTED BY

Kaskaskia Engineering Group, LLC



Last Updated September 20, 2024



Contents

Project Overview.....	3
Background	3
Project Sponsor	4
Project Team	4
Stakeholder Engagement Plan.....	4
Stakeholder Identification	5
Project Steering Committee (PSC).....	5
Project Advisory Committee (PAC).....	5
Outreach Groups	5
Tools for Engagement.....	6
Online Tools	6
Mailchimp Communications	6
Focus Groups.....	6
Virtual Public Meeting.....	7
Safety Summit	7
Proposed Timeline	8
Appendix A: Mailchimp Communications	9
Appendix B: PAC Meeting #1 Presentation	14

Project Overview

Kaskaskia Engineering Group, LLC (KEG) has been contracted by the Bi-State Regional Commission (BSRC) (herein the “Client”) to complete a Traffic Safety Action Plan (TSAP) for its region, which is comprised of the Quad Cities, Iowa/Illinois; Kewanee, Illinois; and Muscatine, Iowa. The Client was awarded a Safe Streets for All (SS4A) Grant from the US Department of Transportation in early 2023. The grant funds will be directed toward the completion of the SAP based on the Safe Systems Approach and in accordance with SS4A funding requirements. KEG is leading the effort to complete this plan with support from subconsultant Iteris (herein the “Project Team”).

Public involvement and engagement will be a key aspect in the development of the TSAP. Through equitable and continuous engagement with the public, stakeholders, and key groups, the project team hopes to accomplish the following:

1. Survey the general public and stakeholders to generate feedback
2. Educate and inform the public and stakeholders regarding the plan, its purpose, and what they can expect from its implementation
3. Generate support regarding this effort

Background

Vision Zero is based on the belief that all people have the right to safe mobility.

From 2019 - 2021, studies have shown that roadway fatalities have steadily increased at alarming rates - nationwide at 17.4% and in Illinois at 32.1%. The Bi-State region followed this upward trend with a 20.9% increase in fatalities over the last three (3) years (2020-2023). The SS4A Grant program was established by the Bipartisan Infrastructure Law (BIL) in 2021, which is the largest long-term investment in infrastructure in U.S. history. The SS4A program will allocate \$5 billion to support the development of holistic, well-defined strategies to prevent roadway fatalities and serious injuries in a community, region, or tribe. The program supports the goal of zero roadway deaths (“Vision Zero”) using the Safety System Approach. According to Vision Zero Network, “The Safe System approach focuses on the responsibility to do all we can to both prevent crashes from happening, and to minimize the harm caused when crashes do occur. Vision Zero is more than a goal, or a slogan, or even a new program – it is a fundamental shift in how we think about and work on roadway safety.”



While safe mobility is not a new concept, Vision Zero requires a shift in how communities approach decisions, actions, and attitudes around safe mobility.

Project Sponsor

KEG will report directly to the Client, for the duration of this project. Key, active members of the Client include the following:



Gena McCullough
Deputy Director - Planning

Nithin Kalakuntla
Transportation Engineer - Planning

Project Team

As Prime consultant, KEG will lead the project with assistance from Iteris. Key members of the Project Team include the following:

Principal In Charge
Geri Boyer, PE
KEG

Project Manager
Jamy Lyne
KEG

Project Engineer
Michael Williamson, PE
KEG

Deputy Project Manager
Sean Daly, AICP, PTP
Iteris

Senior Engineer
Adam Danczyk, PE, PTOE
Iteris

Public Involvement Lead
Sarah Wells
KEG

Public Involvement Coordinator
Keena Johnson
KEG

Stakeholder Engagement Plan

This document, which will further be known as the Stakeholder Engagement Plan (SEP), provides the framework for achieving the aforementioned goals. The tools and techniques outlined in the SEP will build on established relationships and create new partnerships to enable informed stakeholder involvement and meaningful participation. While we feel this SEP effectively outlines the groups, stakeholders, and engagement strategies and tools, these are not set in stone. The level of engagement and interest can vary for each stakeholder, especially as the project progresses. We will continue to adapt to the changing needs and flow of the project and be flexible with our engagement approach as the project progresses. This document will be updated as needed throughout the project's progression.

The SEP will do the following:

1. Identify the various groups and representatives involved with the project
2. Define and catalogue outreach and communication tools
3. Provide documentation and reporting methods from feedback and comments received

Stakeholder Identification

This section will identify the Project's various groups and stakeholders, while defining their level of responsibility and intended engagement with the project. By categorizing the intended participants which we hope to engage as we see the project through to completion, it will allow us to better understand what tools work best with which intended audience.

Project Steering Committee (PSC)

The PSC will meet with the Project Team bimonthly and will include representatives of the following:

- MPO Transportation Technical Committee,
- BSRC staff.
- Cities of Kewanee and Muscatine staff,
- Iowa and Illinois DOTs,
- FHWA, and
- Transit Agency Representatives

The first PSC meeting was held on Tuesday, March 26th from 3 to 4 pm via Microsoft Teams.

Project Advisory Committee (PAC)

The PAC will meet at milestones during the Project, including the first general informational meeting held on June 27, 2024, and to review the draft report and policies once they are ready for comment. The PAC includes representations of the following:

- state and local transportation planning agencies (14 municipalities and 2 counties)
- law enforcement and first responders,
- public safety and traffic safety interests, and
- community organizations that will guide the study throughout the planning process

The first PAC Meeting was held on Thursday, June 27, 2024, from 2 to 3 pm via Microsoft Teams (slides contained within Appendix B).

Outreach Groups

Generated by the Client, this group represents those who may have with an interest, concern, and/or unique insight in the project, and who is not already participating in either the PSC or PAC. This contact list includes the following:

- A. Representatives of consumer, environmental, and other advocacy groups
- B. Indigenous peoples, minority, elderly, and ethnic groups
- C. Business and industrial interests, including small businesses
- D. Elected and appointed public officials
- E. News media
- F. Trade, industrial, agricultural, and labor organizations
- G. Public health, scientific, and professional representatives and societies
- H. Civic and community associations
- I. Faith-based organizations

J. Research, university, education, and governmental organizations and associations

Tools for Engagement

As mentioned previously, the Project Team will utilize a number of different tools to engage stakeholders and the public for effective results. These include but are not limited to the following:

Online Tools

Project Webpage:

<https://bistateonline.org/transportation-and-mobility/quad-cities-metro-planning/other-plans/traffic-safety-planning>

The project webpage was created by the Client, with information provided by the Project Team. Information contained within the website included an overview of the project, background information, and various resources for stakeholders and the community. Figure 1 represents a QR code that drives users to the project webpage.



Comment Form:

<https://kaskaskiaeng.com/traffic-safety-action-plan-comments/>

A virtual comment form is active for the public to send comments, questions, or concerns directly to the Project Team.

Virtual, Interactive Safety Map

This online tool allows the public at large to help the Project Team identify safety issues and trends in your community and region. With a click of a mouse, users can add specific areas throughout their communities that they feel pose safety issues. Figure 2 depicts a QR code that links to the Map that will be used in advertising and promotion.



Mailchimp Communications

To maintain and track electronic communication made with those included on the study, we will utilize the online email and outreach software Mailchimp. Emails will be sent out to alert relevant parties on events, new resources to the project website, and general news and updates on the project. All sent communications as of June 2, 2024 are included in Appendix A.

Focus Groups

The Project Team will host three (3) focus group meetings, two in-person and one virtually. The meetings will be organized with both public and relevant safety stakeholders to discuss existing safety concerns, projects, or programs in the area, as well as current safety-related data, analysis output, and elicit community engagement and feedback. The meetings will focus on open conversation with the Project Team displaying a map of the area at each. Invitations for these Focus Groups will be sent out via email (if an email is available) and letter (USPS) notice. In coordination with the Client, the Project Team will provide Spanish to English translation services, as needed, throughout the process. The Project Team will work with

the communities to identify no-cost locations for the meetings and will provide two staff members (from KEG) at each event.

Information gathered through this outreach will be compiled into one summary report, with one round of edits by the Client. The summary report will be used to inform the planning process by serving as the basis for an inventory of local knowledge regarding roadway safety. Throughout the data collection process, the consultant will work with stakeholders to identify inadequacies or systemic barriers in existing data sources or data collection programs and propose strategies for addressing any inequity identified to provide equal access to opportunities and benefits and ensure a 40% allocation of federal resources to low income and underserved communities.

Virtual Public Meeting

Following the presentation of the Draft TSAP to the PAC, the team will host a Virtual Public Meeting to present the revised Draft TSAP to the public. This meeting will be held virtually to present the plan to the public, explain the origin of the study, and receive feedback regarding the plan and its contents. A 2-week comment period will follow this meeting.

Safety Summit

The Project Team may assist the Client in hosting an in-person Safety Summit. More information on that event will be forthcoming.

Proposed Timeline

March 26, 2024

- PSC Project Kick-off (Virtual)

June 27, 2024

- PAC/PSC Meeting (Virtual)

September 2024

- PSC Meeting (Virtual)
- Review Top Crash Locations & Types/Initial Crash Analysis Results
- Discuss vision, goals, and objectives

October 2024

- PAC/PSC Meeting (Virtual)
- Solidify vision, goals, and objectives
- Review draft safety focus area
- Review Policy and Process Recommendations

November 2024

- Focus Groups (2 in-person, 1 virtual) by geographic area
- Present and verify/seek input on safety analysis, safety concerns, and goals

January 2025

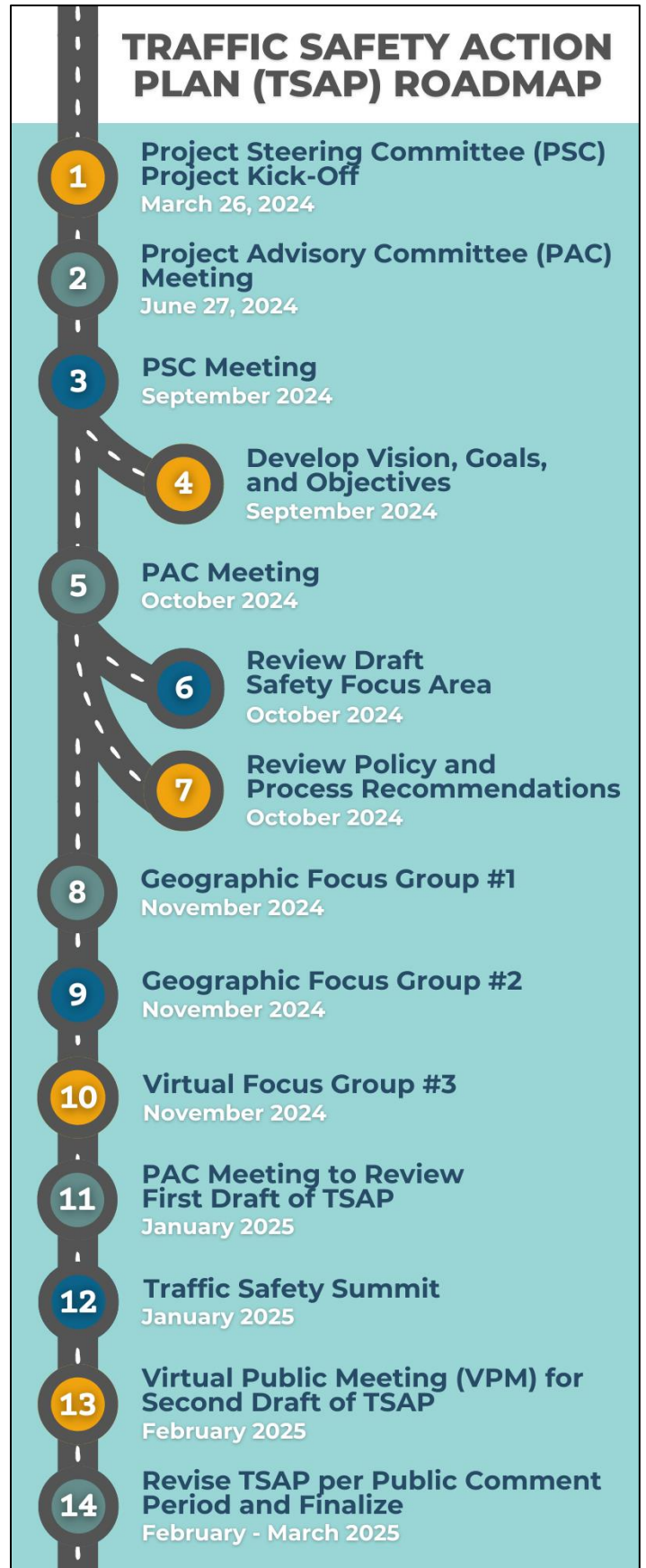
- 1st Draft TSAP released to PAC
- PAC/PSC Meeting to review Draft TSAP (Virtual)
 - 2-week comment period to follow
- Traffic Safety Summit (In Person/Location TBD)
 - This event is not in consultant scope

February 2025

- 2nd Draft TSAP released to public
- Virtual Public Meeting (VPM) for Draft TSAP
 - 2-Week Comment Period to follow


February – March 2025

- Revise TSAP per public comment period and finalize



Appendix A: Mailchimp Communications

[View this email in your browser](#)



SAVE THE DATE

YOU ARE INVITED TO THE PROJECT ADVISORY COMMITTEE MEETING


To be held virtually on June 27, 2024 at 2:00 PM

Bi-State Regional Commission (BSRC) was awarded a Safe Streets and Roads for All (SS4A) Grant from the US Department of Transportation to complete a traffic safety action plan for Quad Cities-Iowa/Illinois, Muscatine, Iowa and Kewanee, Illinois. The SS4A will work local interests and priority, to reduce roadway fatalities and serious injuries, and to identify beneficial projects or solutions toward safer streets in Quad Cities, Kewanee, and Muscatine.

What is the PAC?

This process will require collaboration between BSRC staff, local municipalities, and community members and stakeholders. As part of the Project Advisory Committee (PAC), your input will be essential to creating a comprehensive and effective (and by the way, safe) plan. We hope you can help!

A link with an invite to join will be sent closer to the meeting date.



<https://bi-stateonline.org/transportation-and-mobility/quad-cities-iowa-illinois-partnership-creating-safer-streets-traffic-safety-planning>


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And now we need your help!

Because of the role you play in the study area community, you have been identified as an important person to be part of the Project Advisory Committee (PAC.) This virtual meeting will inform you about the study process, goals and intended outcomes, and will begin the process of soliciting input from the PAC.

We hope you can join us in this effort to make our region a safer place.

[Click Here to Learn More About this Project!](#)



Bi-State
Regional Commission

Kaskaskia Engineering Group, LLC is partnering with the BSRC to develop the SAP.
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Our mailing address is:
208 East Main Street, Suite 100
Belleville, Illinois 62220

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Save the Date Email:

Project Advisory Committee Meeting

Sent: Friday, June 14, 2024

Sent to: Project Advisory Committee

Having trouble seeing images in this email?
Right-click on the image to download it or [view this email in your browser.](#)



SAVE THE DATE

YOU ARE INVITED TO THE PROJECT ADVISORY COMMITTEE MEETING

To be held virtually on June 27, 2024 at 2:00 PM

Bi-State Regional Commission (BSRC) was awarded a Safe Streets and Roads for All (SS4A) Grant from the US Department of Transportation to complete a traffic safety action plan for Quad Cities-Iowa/Illinois, Muscatine, Iowa and Kewanee, Illinois. The goal is to develop a comprehensive traffic safety action plan to reduce roadway fatalities and serious injuries, and to identify beneficial projects or solutions toward safer streets in Quad Cities, Kewanee, and Muscatine.

What is the PAC?
This meeting will be held on Wednesday, June 27, 2024 at 2:00 PM. All members of the Project Advisory Committee (PAC) will be invited to attend. The meeting will be held virtually on Zoom. A link with an invite to join will be sent closer to the meeting date.

[https://www.bi-state.com/transportation-and-roads/traffic-safety-action-plan-ss4a-grant](#)

Bi-State Regional Commission (BSRC) was awarded a Safe Streets and Roads for All (SS4A) Grant from the US Department of Transportation to complete a traffic safety action plan for Quad Cities-Iowa/Illinois, Muscatine, Iowa and Kewanee, Illinois. The goal is to develop a comprehensive traffic safety action plan to reduce roadway fatalities and serious injuries, and to identify beneficial projects or solutions toward safer streets in Quad Cities, Kewanee, and Muscatine.

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A link with an invite to join the virtual meeting will be sent on Wednesday.

We hope you can join us in this effort to make our region a safer place.

Click Here to Learn More About this Project!



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Event Reminder Email:

Project Advisory Committee Meeting

Sent: Monday, June 24th

Sent to: Project Advisory Committee



Bi-State Regional Commission (BSRC) was awarded a Safe Streets and Roads for All (SS4A) Grant from the US Department of Transportation to complete a traffic safety action plan for Quad Cities-Iowa/Illinois, Muscatine, Iowa and Kewanee, Illinois. The goal is to develop a comprehensive traffic safety action plan to reduce roadway fatalities and serious injuries, and to identify beneficial projects or solutions toward safer streets in Quad Cities, Kewanee, and Muscatine.

The link below to join the meeting will be active at 2pm tomorrow, June 27th.

[Click Here to Join the Meeting!](#)



[Click Here to Learn More About this Project](#)

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Our mailing address is:

208 East Main Street, Suite 100

Belleville, Illinois 62220

Meeting is Tomorrow Email: Project Advisory Committee Meeting

Sent: Wednesday, June 26th

Sent to: Project Advisory Committee

Thank you for attending!

We appreciate your time and attention today for the first Project Advisory Committee (PAC) Meeting to support the development of the Traffic Safety Action Plan (TSAP) for Quad Cities-Iowa/Illinois, Muscatine, Iowa and Kewanee, Illinois.

Your involvement brings us one step closer toward developing a comprehensive traffic safety action plan for the region. As promised, we included a few links below of resources for public engagement during the study. Please use and share these links with others in your organization and anyone you feel may offer valuable insights into our study.

Thank you for participating in this effort to make our region a safer place!

[Click here to use the Interactive Safety Issue Map](#)

[Click here to leave a comment for the Study Team](#)

Did you miss today's meeting?

Don't worry! We have it available for download below. Be sure to watch for future PAC Meeting invites as the Study progresses!

[Download today's PAC Meeting Presentation](#)



[Click Here to Learn More About this Project](#)

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Our mailing address is:

208 East Main Street, Suite 100

Belleville, Illinois 62220

Thank you for Attending PAC: Project Advisory Committee

Sent: Thursday, June 27th

Sent to: Project Advisory Committee

Having trouble seeing images in this email?
Right-click on the image to download it or [view this email in your browser](#).

Let your voice be heard!

Log a safety issue today!

Don't forget you have a chance to help make your region a safer place! By utilizing this online, interactive tool, you can bring us one step closer toward developing a comprehensive **Traffic Safety Action Plan (TSAP)** for Quad Cities-Iowa/Illinois, Muscatine, Iowa and Kewanee, Illinois.

This Virtual Interactive Safety Issue Map allows you to submit safety concerns directly to our Study Team. From troublesome intersections to high-accident zones in your community -- we need your feedback! Combined with comprehensive crash and traffic data, our team will evaluate your safety concern as we develop the TSAP. **Your feedback is invaluable in helping make our region a safer place!**

[Click here to use the interactive Safety Issue Map](#)

We appreciate your help in making your region a safer place!

The map below will be used by the Consulting Team to identify possible locations, conditions, or safety issues in the study area. Please use the map below to identify or set intersections, conditions of roads, traffic signals, etc. that you feel should be addressed in the safety study. Please include specific details on any safety-related issues or concerns.

Click on the red "X" on the map below to submit a safety issue to the Study Team.



[Click here to leave a comment for the Study Team](#)



[Click Here to Learn More About this Project](#)

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Selleville, Illinois 62200

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Map Reminder Email:

Project Advisory Committee

Sent: Tuesday, July 23rd, 2024

Sent to: Project Advisory Committee

Appendix B: PAC Meeting #1 Presentation

The following pages contain all slides presented by the Project Team during the first PAC meeting, held on Thursday, June 27th, 2024.

PROJECT ADVISORY COMMITTEE
JUNE 27, 2024


Quad Cities, Kewanee, and Muscatine


SS4A Traffic Safety Action Plan





1

VIRTUAL MEETING HOUSEKEEPING

- 

Please make sure you are on mute.
- 

Raise your hand if you have a question or comment, and then you may unmute.
- 

Cameras can be on or off. It is your preference.
- 

Polling will take place throughout the presentation.

QUAD CITIES, KEWANEE, AND MUSCATINE SS4A TRAFFIC SAFETY ACTION PLAN | PROJECT ADVISORY COMMITTEE MEETING 2

2

STEERING COMMITTEE MEMBERS

First Name	Last Name	Title	Jurisdiction	State
Gena	McCullough	Deputy Director	BSRC	IA-IL
Nithin	Kalakuntla	Trans. Engineer	BSRC	IA-IL
Brent	Morlok	City Engineer	Bettendorf	IA
Brian	Schadt	City Engineer	Davenport	IA
Gary	Statz	Traffic Engineer	Davenport	IA
Tim	Kammler	City Engineer	East Moline	IL
Gary	Bradley	City Manager	Kewanee	IL
David	Dryer	City Engineer	Moline	IL
Brian	Stinneman	City Engineer	Muscatine	IA
Lucie	VanHecke	Transit Planner	MetroLINK	IL
Rob	Bates	Engineer	IDOT	IL
Doug	DeLille	Planner	IDOT	IL
Sam	Shea	Planner	IADOT	IA
Alan	Ho	Engineer	FHWA-IL	IL
Betsy	Tracy	Transportation Planning Specialist	FHWA-IL	IL
Sean	Litteral	Planning and Development Team Leader	FHWA-IA	IA

PROJECT STUDY AREA

QUAD CITIES, KEWANEE, AND MUSCATINE SS4A TRAFFIC SAFETY ACTION PLAN | PROJECT ADVISORY COMMITTEE MEETING 3

3

PROJECT ADVISORY COMMITTEE?

Who's on the PAC?

77 Members invited, representing:

- Steering Committee Members
- Emergency Response Personnel
- Counties
- Municipalities
- Transit Agencies

What is the Role of the PAC?

- Provide Input
- Review/Input Draft Policy and Process Recommendations
- Review/Input Vision, Goals and Objectives
- Review/Input Draft Safety Focus Area
- Attend/Input Safety Summit
- Review/Input Draft TSAP
- Review/Input Final TSAP
- Champion the Plan

- 1 PAC START-UP MEETING
June 27, 2024
- 2 REVIEW DRAFT POLICY AND PROCESS RECOMMENDATIONS
October 2024
- 3 REVIEW VISION, GOALS, AND OBJECTIVES
October 2024
- 4 REVIEW DRAFT SAFETY FOCUS AREA
October 2024
- 5 SAFETY SUMMIT
November 2024
- 6 REVIEW DRAFT TRAFFIC SAFETY ACTION PLAN
January 2025
- 7 REVIEW FINAL TRAFFIC SAFETY ACTION PLAN
February 2025
- 8 CHAMPION THE PLAN!

QUAD CITIES, KEWANEE, AND MUSCATINE SS4A TRAFFIC SAFETY ACTION PLAN | PROJECT ADVISORY COMMITTEE MEETING 4

4

CONSULTING TEAM



Geri E. Boyer
PE
Principal In Charge



Jamy Lyne
Project Manager



Bryan Donze
PE, RSP
Senior Engineer



Michael Williamson
PE, RSP
Project Engineer



Sean Daly,
AICP, PTP
Deputy Project Manager

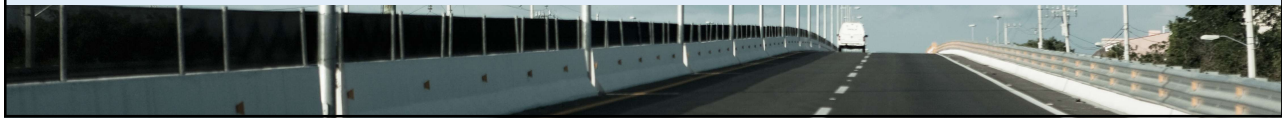


Adam Danczyk
PE, PTOE
Senior Engineer

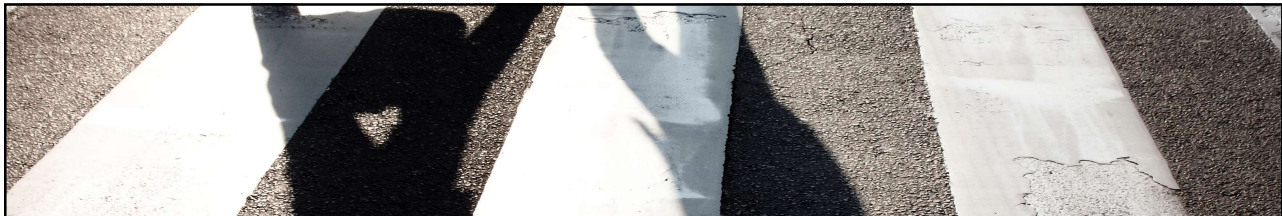


Sarah Wells
Public Involvement

QUAD CITIES, KEWANEE, AND MUSCATINE SS4A TRAFFIC SAFETY ACTION PLAN | PROJECT ADVISORY COMMITTEE MEETING 5

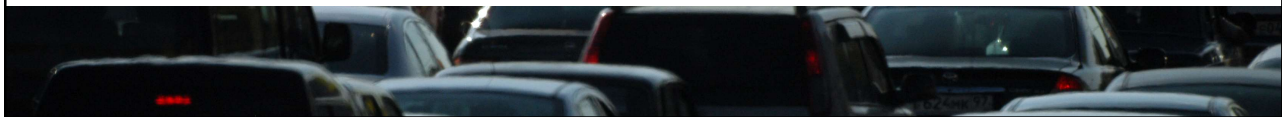


5



TODAY'S AGENDA

- Safety Action Plan Overview & Background
- Purpose of the Safety Action Plan – Why is it valuable?
- Role of the Project Advisory Committee (PAC)
- Data Collection & Analysis
- Identifying Safety Issues and/or Areas of Concern
- Equity Considerations
- Goal Setting
- Timeline & What to Expect
- How to Reach Us



6

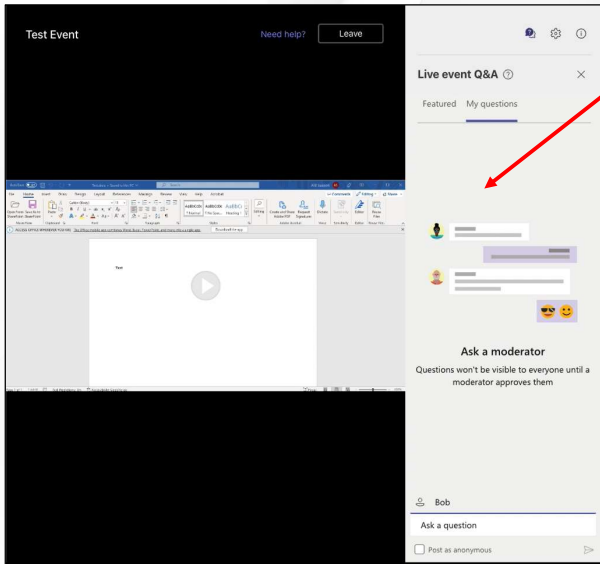
HOW TO USE POLLS



Once the poll is announced and appears on screen, you can scan the QR code with your phone to access the poll form. Or you can go to menti.com and type in the code displayed.

7

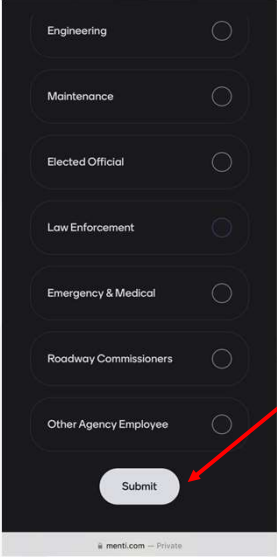
HOW TO USE POLLS



Or, the moderator will also put the link to the poll in the Q&A Panel.

8

HOW TO USE POLLS



Engineering

Maintenance

Elected Official

Law Enforcement

Emergency & Medical

Roadway Commissioners

Other Agency Employee

Submit

Click "Submit" to get your responses directly to the Study Team!

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QUAD CITIES, KEWANEE, AND MUSCATINE SS4A TRAFFIC SAFETY ACTION PLAN | PROJECT ADVISORY COMMITTEE MEETING 9


9

Join at menti.com | use code 5137 5441

Mentimeter

What agency and/or field do you represent?

0	11	1	0
Health & Safety	Engineering	Law Enforcement	Elected Official



1	0	4
Emergency & Medical	Roadway Commissioners	Other Agency Employee

8

10

SS4A OVERVIEW & BACKGROUND

What is a Traffic Safety Action Plan (TSAP)

The goal of an SS4A TSAP is to develop a holistic, well-defined strategy to prevent roadway fatalities and serious injuries in a community, region, or Tribe. The program supports the goal of zero roadway deaths using the Safety System Approach.

Safe System Principles:

- Death and Serious Injuries are Unacceptable
- Humans Make Mistakes
- Humans are Vulnerable
- Responsibility is Shared
- Safety is Proactive
- Redundancy is Crucial



TSAP OVERVIEW & BACKGROUND

TSAP Goals: Region-Specific & Targeted

Current Conditions

- ✓ Fatalities and injuries on a nationwide rise, including within this region
- ✓ Vast majority of fatalities and injuries are due to fixed-object crashes
- ✓ 19% of population is 65+

Regional Needs

- ✓ Evidence-based countermeasures
- ✓ Programmatic countermeasures
- ✓ Educational outreach
- ✓ Identification of corridors ideal for safety assessments
- ✓ Rural, automated enforcement

TSAP OVERVIEW & BACKGROUND

Roadway Fatalities are on the Rise

- From 2019 to 2021, roadway fatalities increased **17.4%** nationally.
- The Bi-State region followed this upward trend in fatalities
 - **16.5 %** between (2013-2022)
 - **20.9%** over last three years (2020-2022)



15

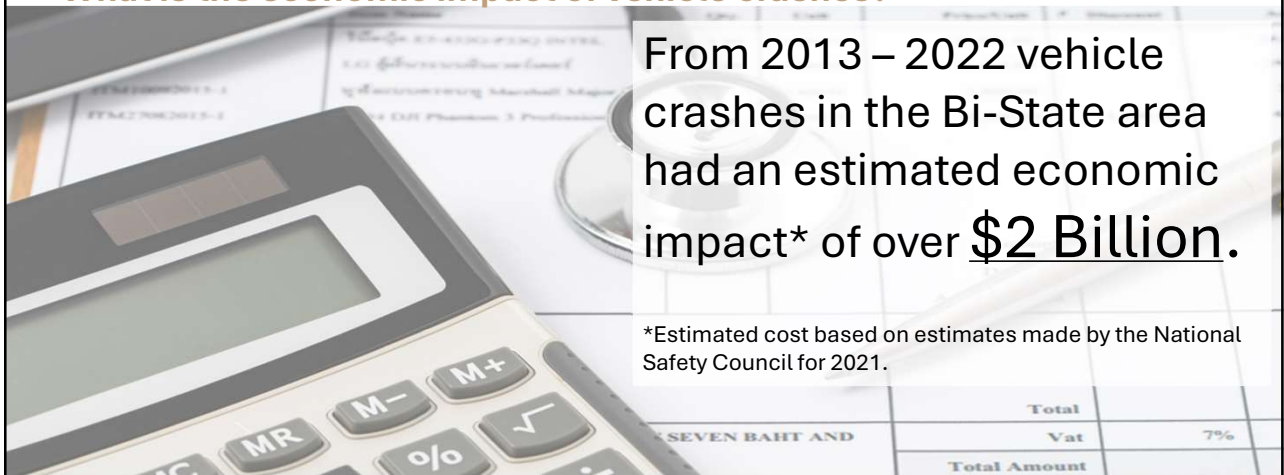
TSAP OVERVIEW & BACKGROUND

10 YEARS IN BI STATE AREA

What is the economic impact of vehicle crashes?

From 2013 – 2022 vehicle crashes in the Bi-State area had an estimated economic impact* of over **\$2 Billion.**

*Estimated cost based on estimates made by the National Safety Council for 2021.



16

TSAP OVERVIEW & BACKGROUND

10 YEARS IN BI STATE AREA = 218 FATALITIES

21.8 Traffic Related Deaths per Year

More than numbers...

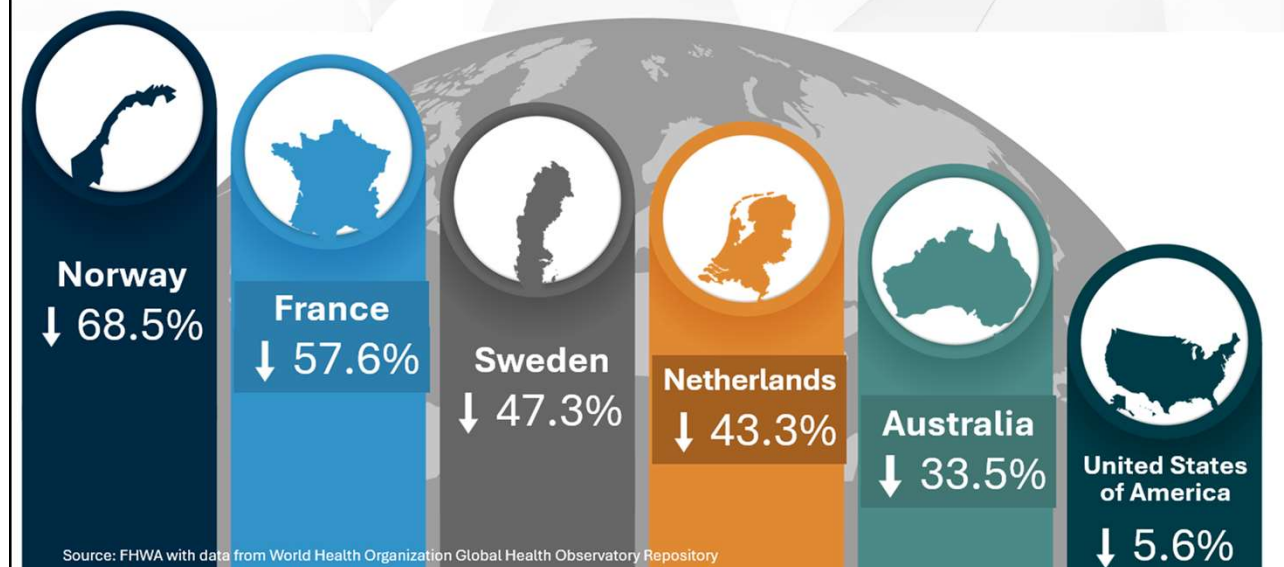
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QUAD CITIES, KEWANEE, AND MUSCATINE SS4A TRAFFIC SAFETY ACTION PLAN | PROJECT ADVISORY COMMITTEE MEETING 17

17

TSAP OVERVIEW & BACKGROUND

What is the Purpose of an SS4A TSAP? Why is it valuable?



18

TSAP OVERVIEW & BACKGROUND

Safe System Approach Elements



SAFER PEOPLE



SAFER VEHICLES



SAFER SPEEDS



SAFER ROADS



POST-CRASH CARE



19

TSAP OVERVIEW & BACKGROUND

Safer People



Walk



Bike



Drive



Transit




Other


Content Source: FHWA; Source for all images: Fehr & Peers

20


TSAP OVERVIEW & BACKGROUND

Safer People






Not distracted or impaired



Follow rules



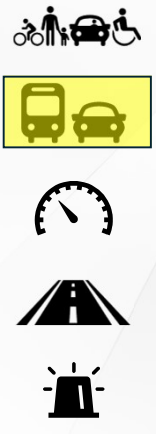
Act within the limits of the road design

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21

TSAP OVERVIEW & BACKGROUND

Safer Vehicles



Active safety

Measures to reduce the chance of a crash occurring

- Lane departure warning
- Automated emergency braking

Passive safety

Protective systems for when crashes do occur

- Seatbelts and airbags
- Crash-absorbing vehicle crumple zones

Other road user safety

Measures that protect other road users

- Bicyclist and pedestrian detection
- Vehicle size and design

QUAD CITIES, KEWANEE, AND MUSCATINE SS4A TRAFFIC SAFETY ACTION PLAN | PROJECT ADVISORY COMMITTEE MEETING 22

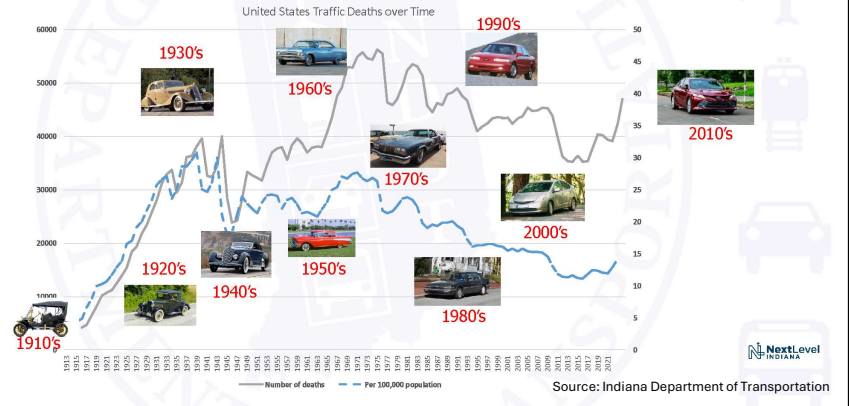
22

TSAP OVERVIEW & BACKGROUND

Safer Vehicles



Traffic Safety Over Time

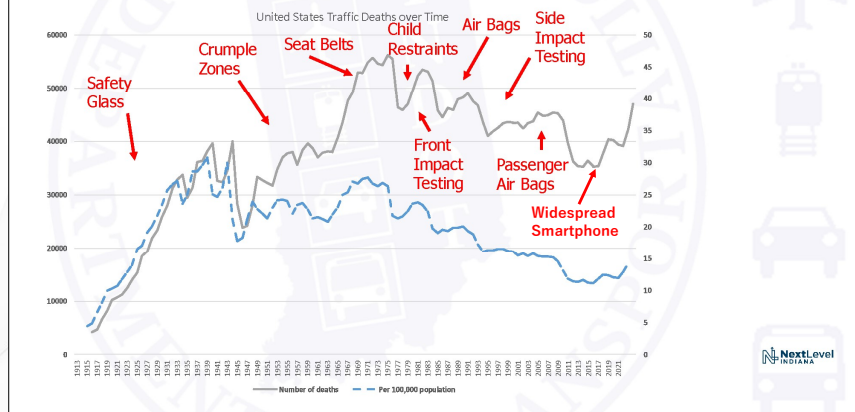


TSAP OVERVIEW & BACKGROUND

Safer Vehicles

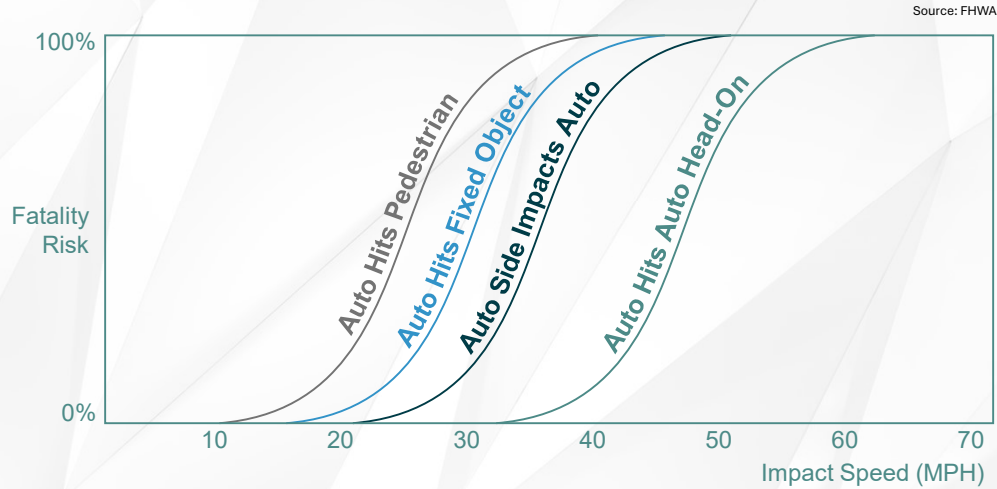
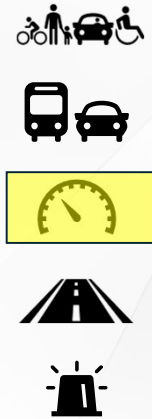


Traffic Safety Over Time



TSAP OVERVIEW & BACKGROUND

Safer Speeds



25

TSAP OVERVIEW & BACKGROUND

Safer Speeds



Speed through typical intersection



Source: Fehr & Peers

Speed through Safe System intersection



Source: City of Carmel, IN

26

TSAP OVERVIEW & BACKGROUND

Safer Roads



Safe roads are designed and operated to:

1. Prevent crashes among all users
2. Keep impacts on the human body at tolerable levels

Think of “Safe Roads” as a continuum – not an absolute

1. The aim is to design and operate roads to continuously approach toward creating a Safe System by implementing features appropriate for the intended and actual road use and speed environment
2. Reduce the likelihood of error
3. Reduce the consequences of error

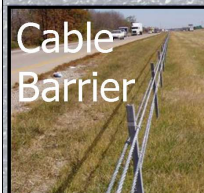


TSAP OVERVIEW & BACKGROUND

Safer Roads



Roadway Departure Crashes



**Solution:
Keep Vehicles
In Their Lane!**



Source: Indiana Department of Transportation

TSAP OVERVIEW & BACKGROUND

Safer Roads

Managing Kinetic Energy Involves



Managing speed



Managing crash angles



Managing crash energy distribution

TSAP OVERVIEW & BACKGROUND

Safer Roads

Producing Effective FHWA Countermeasures Are Identified



[Pavement Friction Management](#)



[Enhanced Delineation for Horizontal Curves](#)



[Longitudinal Rumble Strips and Stripes on Two-Lane Roads](#)



[Median Barriers](#)



[Wider Edge Lines](#)



[Roadside Design Improvements at Curves](#)



[SafetyEdgeSM](#)



[Backplates with Retroreflective Borders](#)



[Systemic Application of Multiple Low-Cost Countermeasures at Stop-Controlled Intersections](#)



[Corridor Access Management](#)



[Road Diets \(Roadway Configuration\)](#)



[Lighting](#)

TSAP OVERVIEW & BACKGROUND

Post Crash Care



Crash investigation



First responders



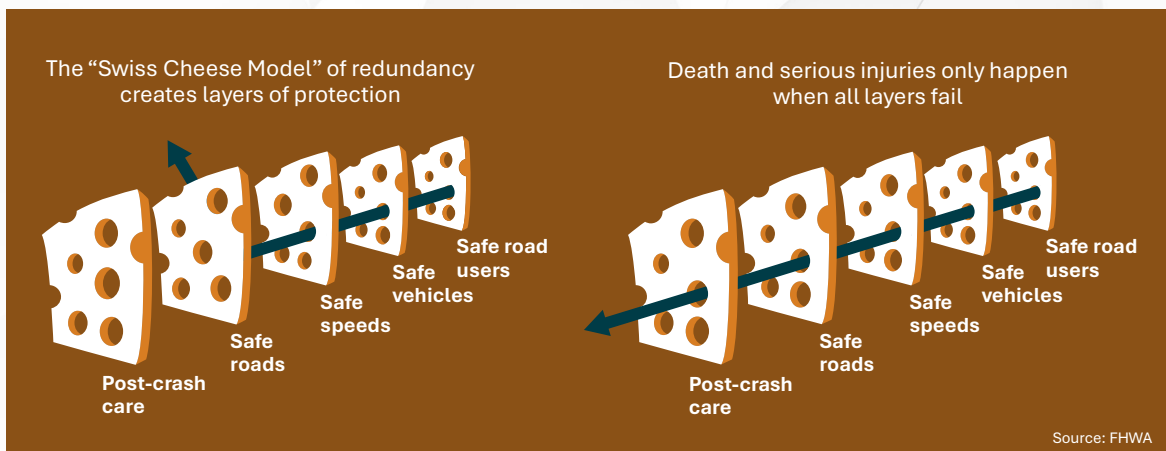
Medical care



31

TSAP OVERVIEW & BACKGROUND

The Safe System Elements Create Redundancy



32

PURPOSE OF A SS4A TRAFFIC SAFETY ACTION PLAN

Why is it valuable?

Traditional approach

Prevent crashes



Safe System approach

Prevent death and serious injuries

Improve human behavior



Design for human mistakes/limitations

Control speeding



Reduce system kinetic energy

Individuals are responsible



Share responsibility

React based on crash history



Proactively identify and address risks

QUAD CITIES, KEWANEE, AND MUSCATINE SS4A TRAFFIC SAFETY ACTION PLAN | PROJECT ADVISORY COMMITTEE MEETING 33

33

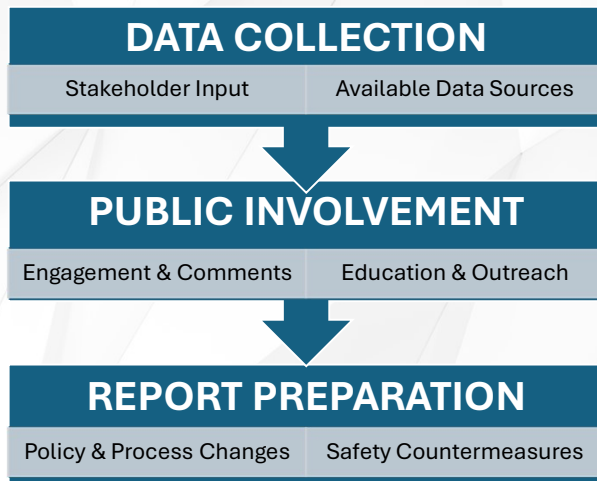
TSAP OVERVIEW & BACKGROUND

What goes into the TSAP?

The TSAP will rely on data collected, surveys, and **stakeholder input** to suggest safety countermeasures that will be in accordance with SS4A program requirements.

The TSAP will be used as a **guide** for future infrastructure, design, engineering, and policy.

The ultimate goal of SS4A programs is to reach **zero deaths**. This vision is going to take an **100% commitment**, not only from municipal leadership, but from the public as well.



QUAD CITIES, KEWANEE, AND MUSCATINE SS4A TRAFFIC SAFETY ACTION PLAN | PROJECT ADVISORY COMMITTEE MEETING 34

34

DATA COLLECTION

Data – what are we reviewing?

<p>Crash Records <i>Source: Illinois Department of Transportation (IDOT and IowaDOT)</i></p> <p>↓</p> <p>Data-Driven Safety Analysis</p>	<p>Demographics <i>Source: U.S. Census Bureau, 5-Year American Community Survey</i></p> <p>↓</p> <p>Equity Analysis</p>	<p>Existing Plans and Policies <i>Source: Participating Agencies; (Para)Transit, Freight, Ped/Bike, Complete Streets</i></p> <p>↓</p> <p>Planning Synergy</p>	<p>Roadway Network <i>Source: IDOT Illinois Highway System File IowaDOT Open Data Source</i></p> <p>↓</p> <p>High Risk Locations Geospatial Identification</p>	<p>Stakeholder Input <i>Source: You</i></p> <p>↓</p> <p>Local Expertise</p>
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QUAD CITIES, KEWANEE, AND MUSCATINE SS4A TRAFFIC SAFETY ACTION PLAN | PROJECT ADVISORY COMMITTEE MEETING 35

35

IDENTIFYING SAFETY ISSUES

Where are the areas of concern?

- Collision Reports**
 - Existing Conditions & Historical Trends
- Crash Location**
 - Geospatial Identification
- Risk Assessment**
 - Systemic/Specific Safety Needs
- Roadway Data**
 - Location, Severity, & Contributing Factors

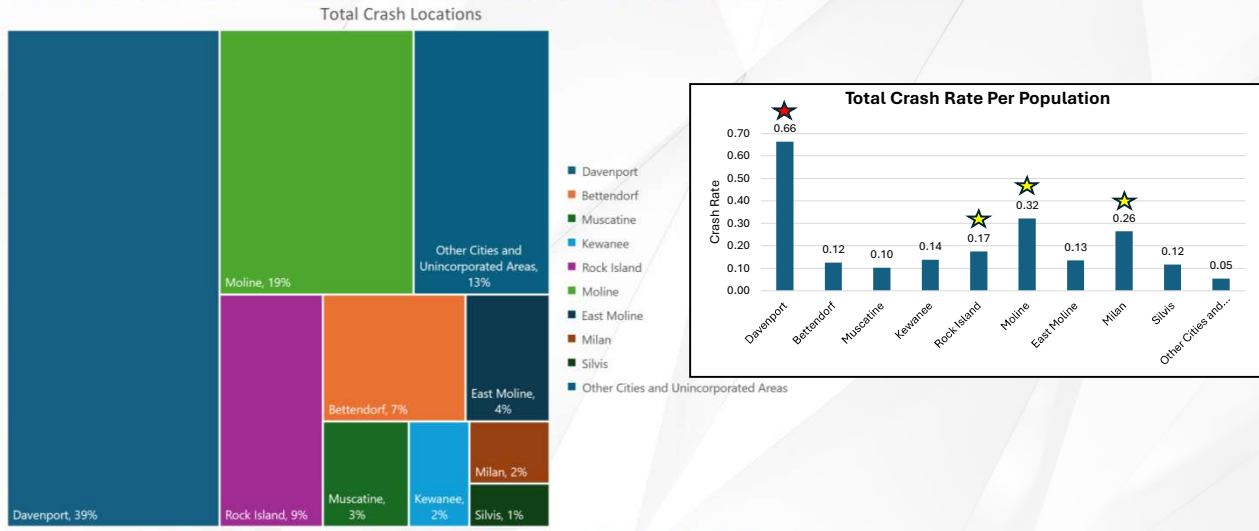
Safety Analysis

QUAD CITIES, KEWANEE, AND MUSCATINE SS4A TRAFFIC SAFETY ACTION PLAN | PROJECT ADVISORY COMMITTEE MEETING 36

36

IDENTIFYING SAFETY ISSUES

Where are the crashes located?



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37

IDENTIFYING SAFETY ISSUES

What are the crash types?



All Severities – 72,638 Crashes

- Rear End (20,054 - 28%)
- Angle (12,172 - 17%)
- Turning (8,792 - 12%)
- Fixed Object (8,048, 11%)
- Pedestrian & Bicyclist (1,034 - 2%)



Fatal and Incapacitating Injury – 1,704 Crashes

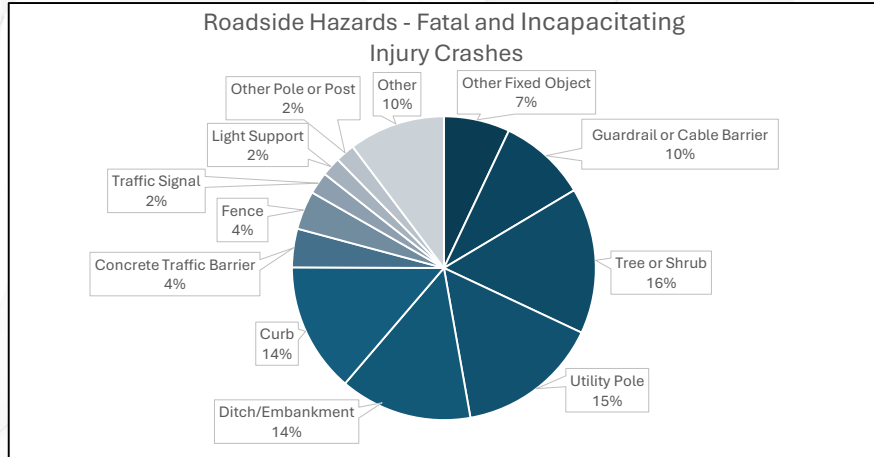
- Fixed Object (341 - 20%)
- Angle (287 - 17%)
- Pedestrian & Bicyclist (231 - 14%)
- Turning (220 - 13%)
- Rearend (199 - 12%)

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38

IDENTIFYING SAFETY ISSUES

What are the fixed object types?

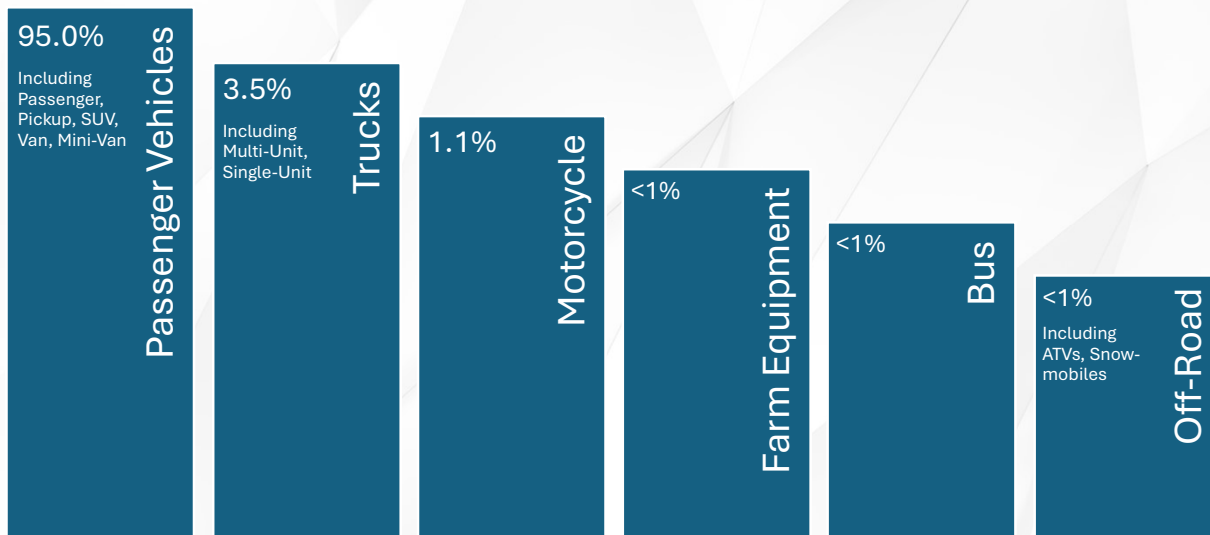


QUAD CITIES, KEWANEE, AND MUSCATINE SS4A TRAFFIC SAFETY ACTION PLAN | PROJECT ADVISORY COMMITTEE MEETING 39

39

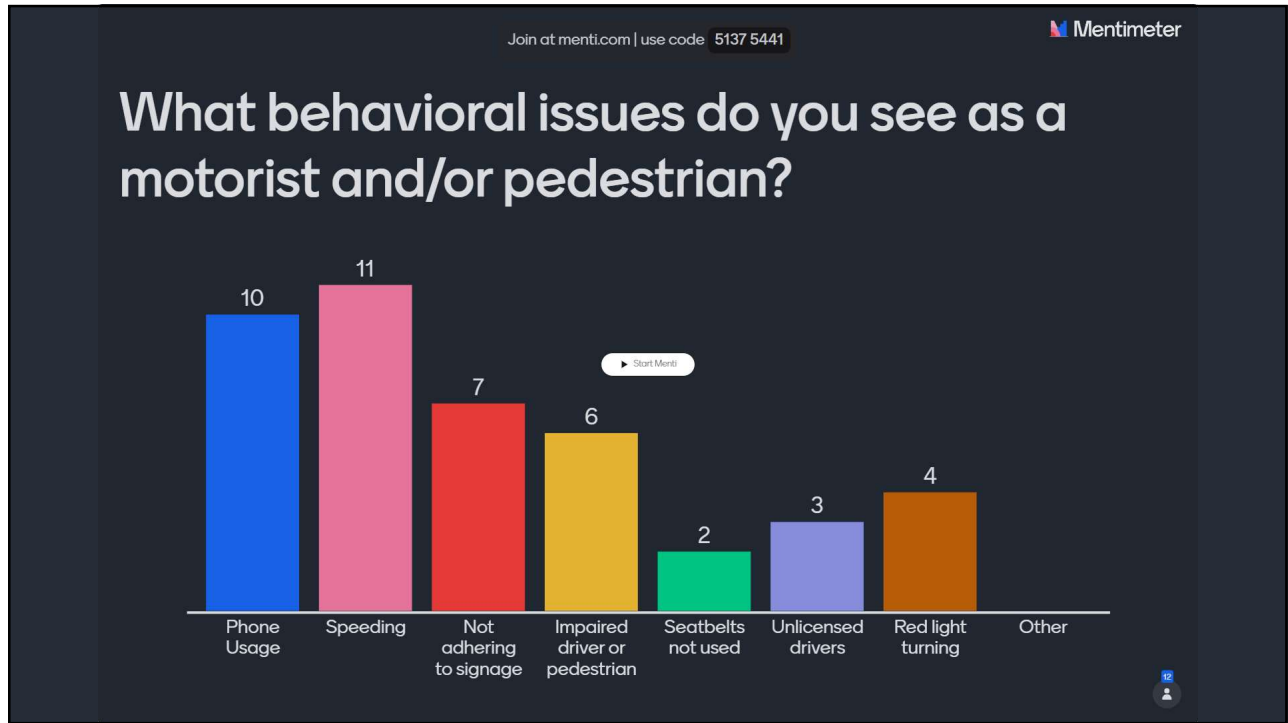
IDENTIFYING SAFETY ISSUES

What vehicle types are involved in crashes?



QUAD CITIES, KEWANEE, AND MUSCATINE SS4A TRAFFIC SAFETY ACTION PLAN | PROJECT ADVISORY COMMITTEE MEETING 40

40



41

EQUITY CONSIDERATIONS

What demographics and/or equity considerations should we be cognizant about during the study?

Equality

Equity

Source: FHWA. Modification with permission of © 2017 Robert Wood Johnson Foundation.

QUAD CITIES, KEWANEE, AND MUSCATINE SS4A TRAFFIC SAFETY ACTION PLAN | PROJECT ADVISORY COMMITTEE MEETING 42

42

EQUITY CONSIDERATIONS

What demographics and/or equity considerations should we be cognizant about during the study?

Inclusive & Representative Processes

Identification of Underserved Communities

Equity Analysis

Inclusive and representative processes:

- Meaningful and empowering public involvement
- Fairness in mobility and accessibility

Vulnerable roadway users and underserved communities:

- Age
- Ethnicity
- Disability
- Income
- Mode of Transportation

In collaboration with:

- You
- Proposed projects
- Proposed strategies

QUAD CITIES, KEWANEE, AND MUSCATINE SS4A TRAFFIC SAFETY ACTION PLAN | PROJECT ADVISORY COMMITTEE MEETING 43

43

EQUITY CONSIDERATIONS OVER AGE 64

Vulnerable Users Over Age 64

77,053 people
out of a total surveyed population of 411,860 (19%) are over the age of 64.

County	Population	Percentage
Muscatine County	7,753	18%
Rock Island County	28,738	20%
Henry County	10,550	21%
Scott County	30,012	17%

Sample Cities:

City	Population	Percentage
Muscatine, IA	6,178	18%
Davenport, IA	19,054	17%
Kewanee, IL	2,599	19%
Moline, IL	39,807	18%

Source: U.S. Census Bureau 2018-2022 ACS 5-Year Estimates

QUAD CITIES, KEWANEE, AND MUSCATINE SS4A TRAFFIC SAFETY ACTION PLAN | PROJECT ADVISORY COMMITTEE MEETING 44

44

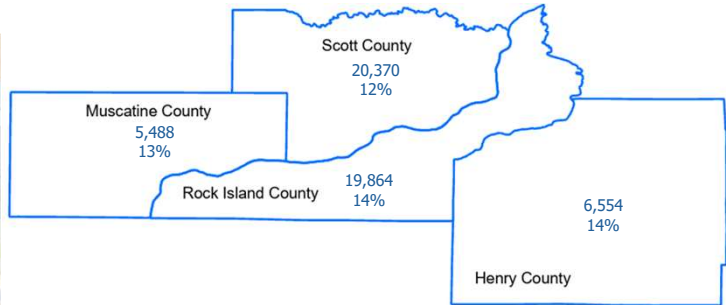
EQUITY CONSIDERATIONS

AMBULATORY OR VISUAL DISABILITY



Vulnerable Users
Ambulatory or Visual Disability

52,276 people
 out of a surveyed 404,530 total people (13%)
 have an ambulatory, visual, or other disability



Sample Cities:

City	Population	Percentage
Muscatine, IA	4,461	(13%)
Davenport, IA	14,541	(13%)
Kewanee, IL	2,435	(19%)
Moline, IL	29,545	(14%)

Source: U.S. Census Bureau
 2018-2022 ACS 5-Year Estimates

45

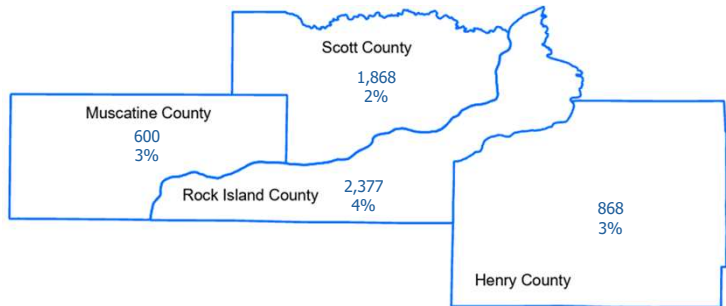
EQUITY CONSIDERATIONS

COMMUTING PEDESTRIANS AND BICYCLISTS



Vulnerable Users
Commuting Pedestrians and Bicyclists

5,713 people
 out of a total surveyed population 193,012 (3%)
 reported biking, walking, or taking some other means to work



Sample Cities:

City	Population	Percentage
Muscatine, IA	484	(3%)
Davenport, IA	1,427	(3%)
Kewanee, IL	350	(7%)
Moline, IL	3,023	(3%)

Source: U.S. Census Bureau
 2018-2022 ACS 5-Year Estimates

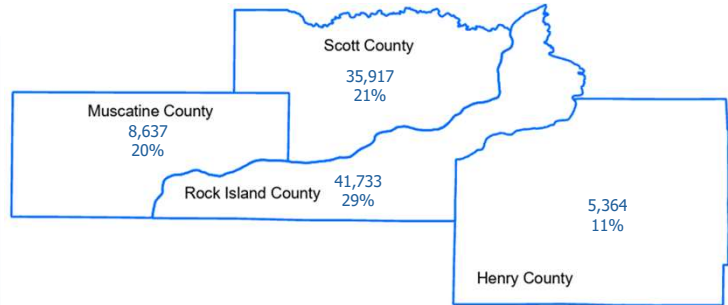
46

EQUITY CONSIDERATIONS

MINORITY ETHNICITIES



Historically Underserved Communities
Minority Ethnicities
91,651 people
 out of a total surveyed population of 411,860 (22%)
 are of minority ethnicity



Sample Cities:

Muscatine, IA	Davenport, IA	Kewanee, IL	Moline, IL
6,247 (18%)	27,336 (24%)	2,891 (22%)	52,427 (24%)

Source: U.S. Census Bureau
 2018-2022 ACS 5-Year Estimates

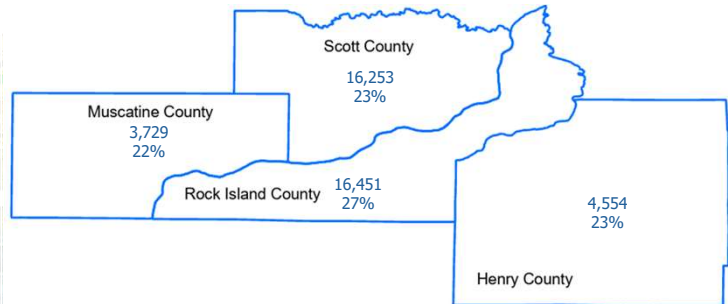
47

EQUITY CONSIDERATIONS

LOW INCOME



Historically Underserved Communities
Low Income
40,986 households
 out of a total 169,712 surveyed households (24%)
 reported a median household income below \$35,000*



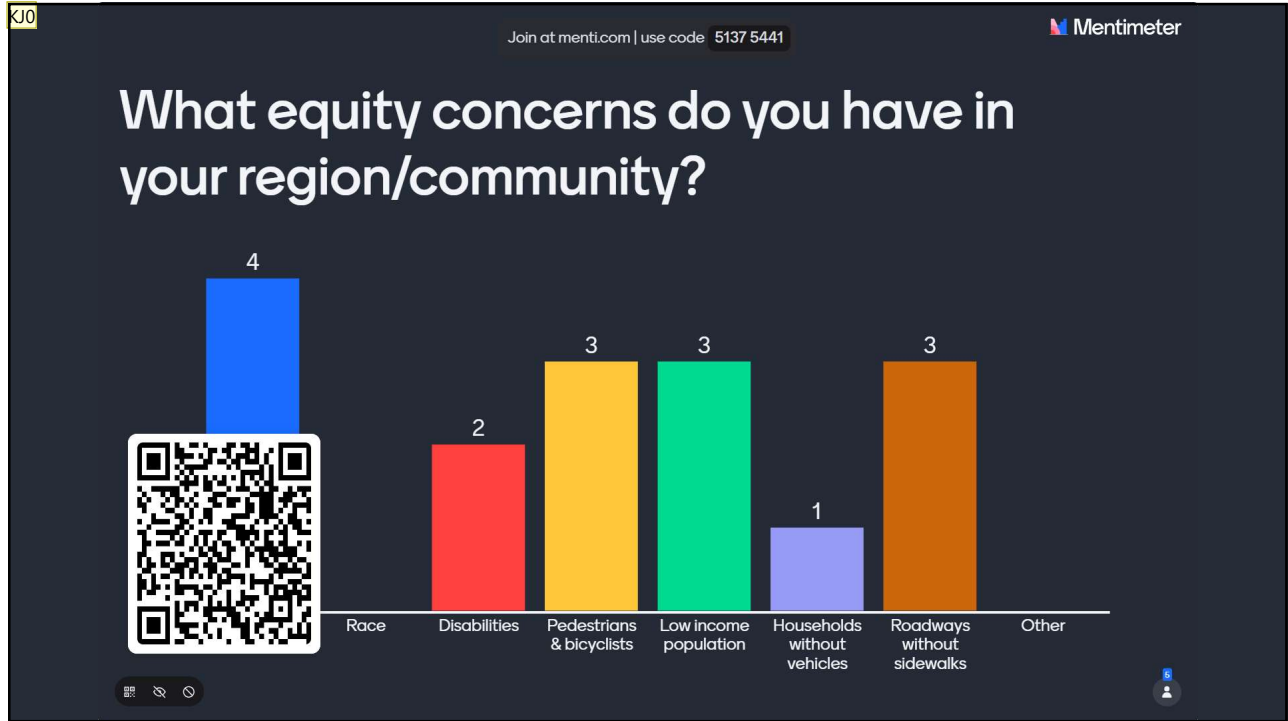
Sample Cities:

Muscatine, IA	Davenport, IA	Kewanee, IL	Moline, IL
3,124 (23%)	12,747 (27%)	1,955 (35%)	26,358 (29%)

*2023 Illinois Poverty Line for a family of four is \$30,900

Source: U.S. Census Bureau
 2018-2022 ACS 5-Year Estimates

48



49

GOAL SETTING

Making roads safer and protecting users.

- ✓ Critical to meeting SS4A funding requirements.
- ✓ What do you need to consider for goal setting?
- ✓ Is it a percentage reduction over time?
- ✓ Is it a long-term goal?
- ✓ Match IDOT/IowaDOT?

Iowa Traffic Fatality Reduction Task Force

<300
Fatalities Now

Zero
Fatalities Ultimately
(Iowa DOT)

2%
Annual Reduction
(IDOT)

National Goal: Zero Deaths through a Safe System

QUAD CITIES, KEWANEE, AND MUSCATINE SS4A TRAFFIC SAFETY ACTION PLAN | PROJECT ADVISORY COMMITTEE MEETING 50

50

Slide 49

KJO Add Menti options: household w/o cars, walking on roadways w/o sidewalks. Make it concise and follow up Jamy

Keena Johnson, 2024-06-18T15:05:17.973

GOAL SETTING

SAFETY PLAN EXAMPLES

- Goals established to help inform plan
- Examples

City of South Sioux City, Nebraska

- **Goal:** *Zero fatality and zero transportation-related serious injury by 2030.*
- **Plan:** *Developing a transportation network dedicated to the welfare of all road users regardless of travel mode – drive, walk, roll, bike, and ride.*

Tallahassee, Florida

- **Goal:** *Long-term safety goal of zero roadway fatalities and serious injuries by the year 2040.*
- **Plan:** *Innovative design focused on vulnerable roadway users, strategic policies, and committed local leadership.*

New Castle County, Delaware

- **Goal:** *Reduce serious injuries and deaths by 50% by 2030 and eliminated by 2040 compared with 2021 numbers.*
- **Plan:** *Revise spending priorities to focus on policies, acceleration of safety projects, and increased personal responsibility.*

51

Quad Cities, Kewanee and Muscatine Traffic Safety Action Plan
Contact Us

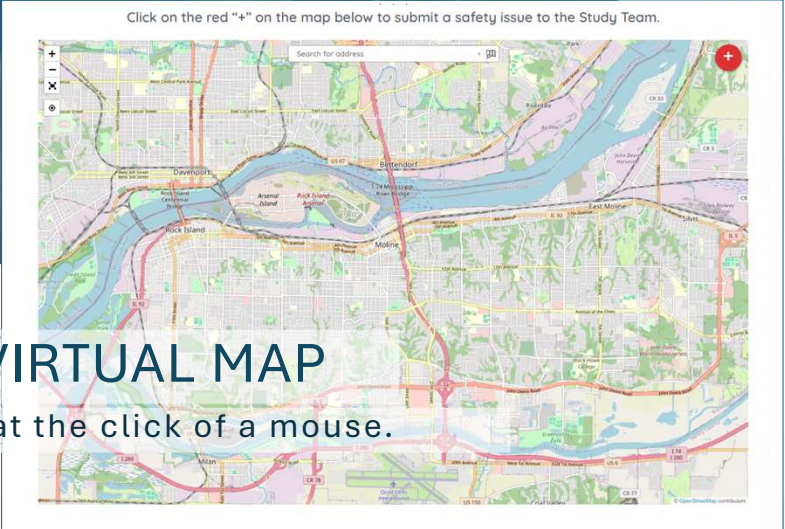
Welcome to the TSAP Interactive Safety Map!

We appreciate your feedback on this interactive map. Please use the map below to submit a safety issue to the Study Team.

INTERACTIVE VIRTUAL MAP

Valuable information at the click of a mouse.

Click on the red "+" on the map below to submit a safety issue to the Study Team.

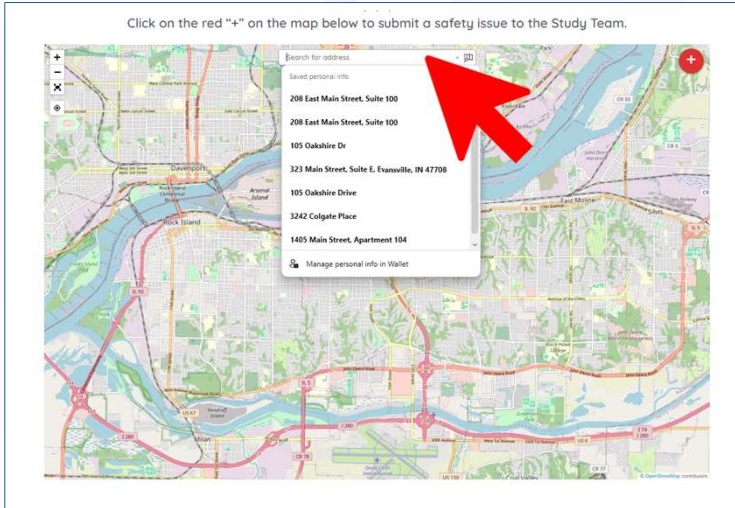


QUAD CITIES, KEWANEE, AND MUSCATINE SS4A TRAFFIC SAFETY ACTION PLAN | PROJECT ADVISORY COMMITTEE MEETING
52

52

INTERACTIVE VIRTUAL MAP

Valuable information at the click of a mouse.

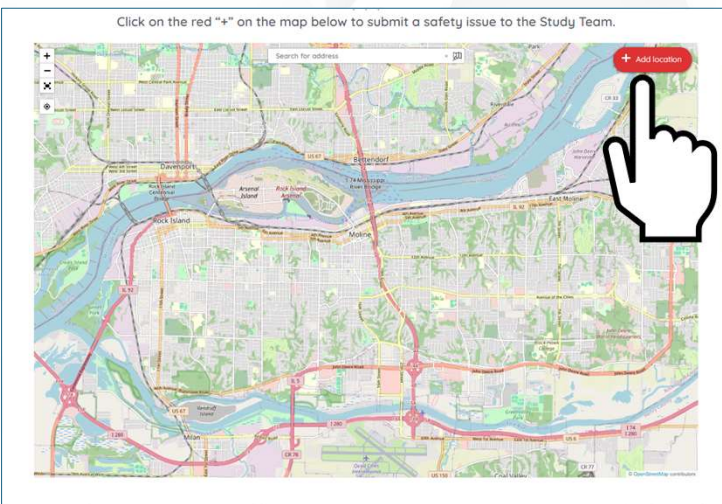


- To search for a specific address, click the box at the top of the map.

53

INTERACTIVE VIRTUAL MAP

Valuable information at the click of a mouse.



- When you're ready to add a specific location with a transportation safety issue, click the red circle "Add a location".

54

INTERACTIVE VIRTUAL MAP

Valuable information at the click of a mouse.

1. Search for a specific address to zoom in on the location
2. Click the map to “drop your pin” on the location you wish to submit to the Study Team
3. Give a brief “Title” to the location
4. Describe the issues you see for the Study Team to consider
5. Upload pictures of the infrastructure issue or location
6. Submit location to the Study Team
7. Refresh your screen to see your location populate on the map

Submit a Safety Issue to the Study Team ✕

Click on the interactive map below to drop a “pin” where you have experience with or knowledge of safety issues on roadways, intersections, traffic signals, or other types of transportation infrastructure. Use the form below to enter details of the area, issues you have observed, and anything else you’d like to communicate to the Study Team. After you have submitted the location, refresh your screen to see your pin visible on the map.

Search for address

Location Details (example: intersection of 1st Street and Main Street)

Description of Safety Issue (example: dangerous curve, low visibility at intersection, etc.)

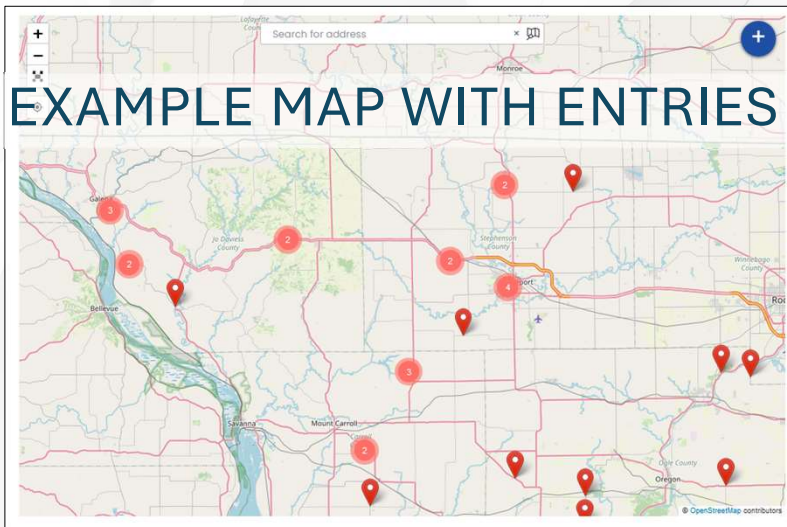
Upload image

Submit Location

55

INTERACTIVE VIRTUAL MAP

Valuable information at the click of a mouse.



56

TRAFFIC SAFETY PLANNING

The Quad Cities MPO has participated in traffic safety planning since its inception in 1966. Intersection crash reports have been prepared with the most recent specific to Intersection in 2013. In 2020 the first Quad Cities Traffic Safety Plan was produced. It examined overall crashes as well as intersections and crash emphasis areas where data illustrated trends and hot spots for fatal and serious injury crashes. The MPO staff a Community Awareness of Roadway Safety (CARS) group in Scott County comprised of planners, engineers, public safety officials, law enforcement and representatives from the Iowa Department of Transportation (DOT).

It was established in partnership with the Iowa Governors' Traffic Safety Bureau more than two decades ago to work on reduction of crashes, coordination of enforcement activity, and sharing of data and information to raise awareness of crash prevention or mitigation. Annually, the MPO brings together a joint group from the Iowa and Illinois Quad Cities to discuss traffic safety issues and coordination.

Traffic Safety Action Plan – Toward Vision Zero

Bi-State Regional Commission (BSRC) was awarded a Safe Streets and Roads for All (SS4A) Grant for planning in 2023 from the US Department of Transportation to complete a traffic safety action plan for Quad Cities-Iowa/Illinois, Muscatine, Iowa and Kewanee, Illinois. The USDOT SS4A program emphasizes that with our roadways is one too many, and the vision is to reduce this to zero, Vision Zero. The project goal is to develop a comprehensive traffic safety action plan for the three geographies to reduce roadway crashes and serious injuries, and to identify the beneficial projects or solutions toward safer streets for everyone. Through a consultant-led process, the Project Study Partners will include collaborating with Quad Cities Police and Transportation Technical Committee and with city staff from Muscatine, and Kewanee to oversee the Traffic Safety Action Plan process. Public involvement will part of the plan development process.

This plan will serve as a framework to guide future infrastructure design. This website page will be updated regularly and will serve as a timely, comprehensive resource for information regarding the development of the TTSAP. The Project Team will provide information and materials for the public through this website page, as well as solicit feedback and comments from residents, business owners, and stakeholders of the greater Quad Cities region.

QUAD CITIES STRATEGIC TRAFFIC SAFETY PLAN (2020)
[QC Strategic Traffic Safety Plan 2020 \(5.14 MB\)](#)

QUAD CITIES CRASH STUDY INTERSECTION REPORT (2013)
[2013-09-intersection-crash-study.pdf \(12.57 MB\)](#)

STUDY WEBSITE

Educational Resources

QUAD CITIES, KEWANEE, AND MUSCATINE SS4A TRAFFIC SAFETY ACTION PLAN | PROJECT ADVISORY COMMITTEE MEETING 57

57

Traffic Safety Action Plan Contact Form

Name (Required)

First Last

Email (Required)

Enter Email Confirm Email

Phone (Required)

(123) 456-7891

Address (Required)

Street Address

Address Line 2

State / Province / Region

ZIP / Postal Code

Comments (Required)

Please let us know what's on your mind. Have a question for the Project Team? Ask away.

Safe Streets are for Everyone

Available Engineering Group, LLC (AEG) has partnered with the Bi-State Regional Commission (BSRC) to our Action Plan (TSAP) for its region, which is comprised of the Quad Cities, Iowa, Kewanee, Illinois, and has been awarded a Safe Streets for All (SS4A) Grant from the US Department of Transportation in early 2023. The grant toward the completion of the TSAP based on the total systems approach and in accordance with Title 23.

Public engagement and feedback will play a role in the completion of the TSAP. We encourage you to leave us a contact information to be included on future communications regarding the TSAP. All comments received released by the study team, as well.

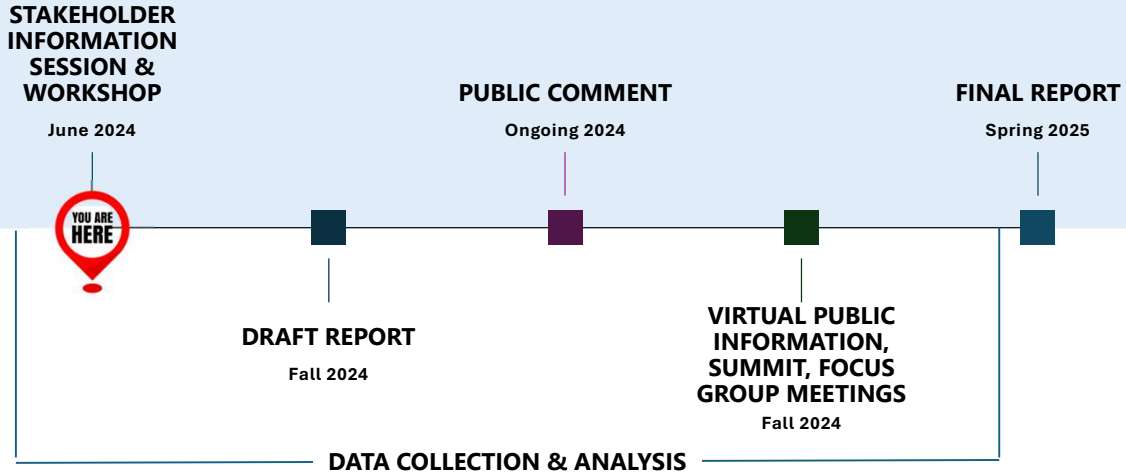
VIRTUAL COMMENT FORM

Submit comments directly to Study Team

QUAD CITIES, KEWANEE, AND MUSCATINE SS4A TRAFFIC SAFETY ACTION PLAN | PROJECT ADVISORY COMMITTEE MEETING 58

58

WHAT TO EXPECT



59

PROJECT ADVISORY COMMITTEE

What's Next for the PAC?

- Spread the word!
 - Share Links/QR Codes to Website and Interactive Map
- Be on the Lookout for our Information Emails
- Be Ready for Policy and Technical Safety Reviews- Fall
- Be Ready to Review & Provide Feedback Early 2025




60

STAKEHOLDER INFORMATION
SESSION & WORKSHOP





Question & Answer

61






HOW TO REACH US

TSAP/BSRC Website



Virtual Safety Issue Interactive Map



62