LOOP 101 LOOP 202
BOTTLENECK STUDY



Welcome! Please sign in.

AGENDA

5:30 p.m. Open House and Q&A

- Check out display boards
- Talk to staff
- Review maps
- Share your input

Please see a staff member if you need Spanish interpretation assistance.

Consulte a un miembro del personal si necesita asistencia de interpretación en español.

To take the survey and sign up for future updates, visit: azmag.gov/L101-L202

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Study Purpose & Timeline



To define a series of improvements that will:

- Improve safety.
- Enhance traffic operations.
- Improve access to and from all areas of the region.

Timeline:

FEBRUARY 2025
Data Collection

OCTOBER 2025
Virtual Public Meeting

SPRING 2026
Develop Alternatives

SUMMER 2026
Initial Recommendations

FALL 2026
WE ARE HERE!
In-Person Public Meeting
Implementation Plan

SPRING 2027
Final Report

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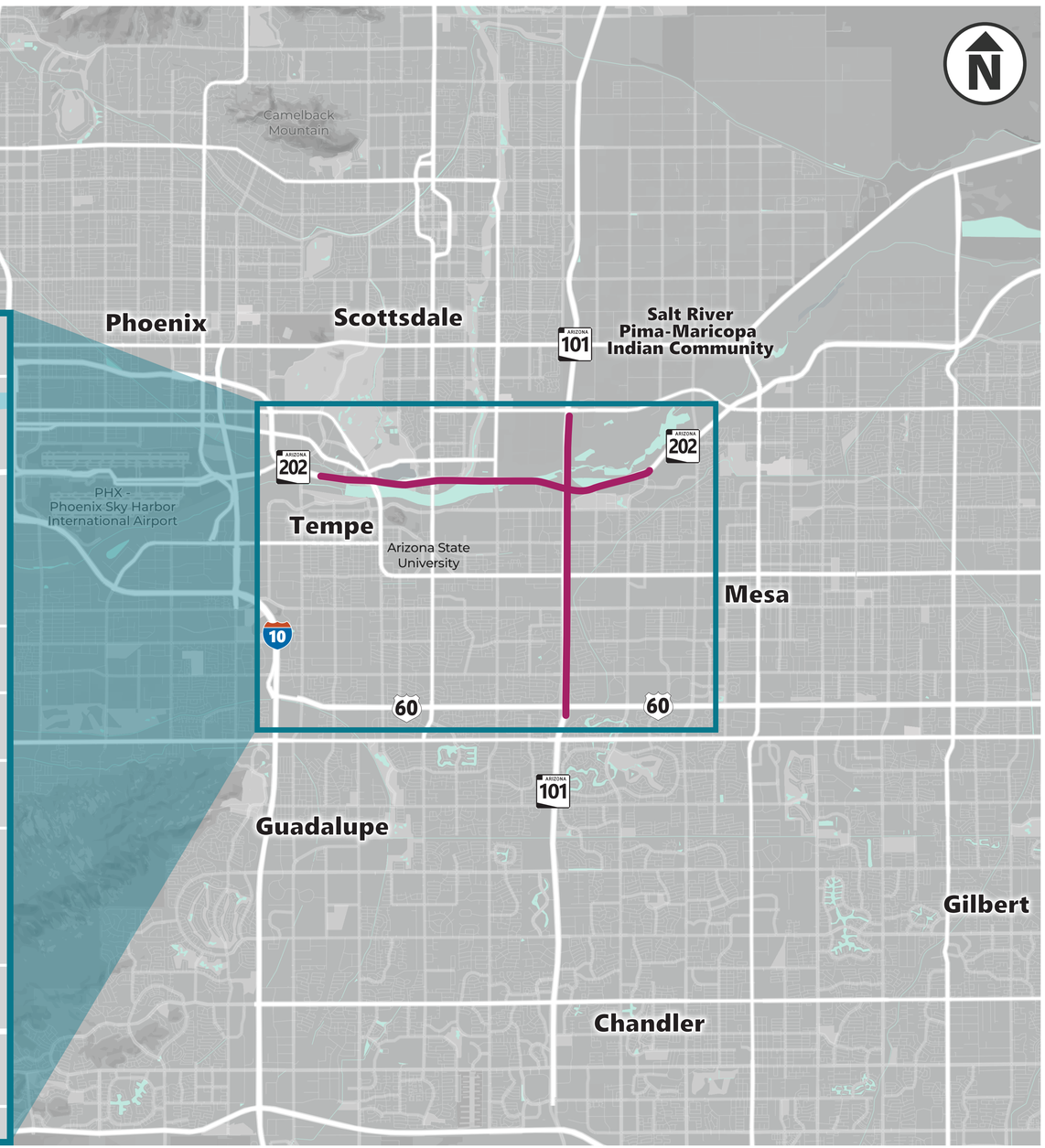
LOOP 202

Study Area Map



Study Area





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2025 Survey

What You Told Us



Thank you for sharing your experiences and concerns about traveling through the study area.

COMMON THEMES INCLUDED:

96% support making improvements.

Freeway-to-freeway interchanges, weaving and lane changes are areas that needed the most improvement.

Driver behavior, the number of stops and starts and slow travel speeds are primary issues impacting the use of the corridor.

67% rated congestion as severe in the study area.

Improving safety is the most important study objective.

397
SURVEYS COMPLETED

309
AREAS OF CONCERN MAPPED

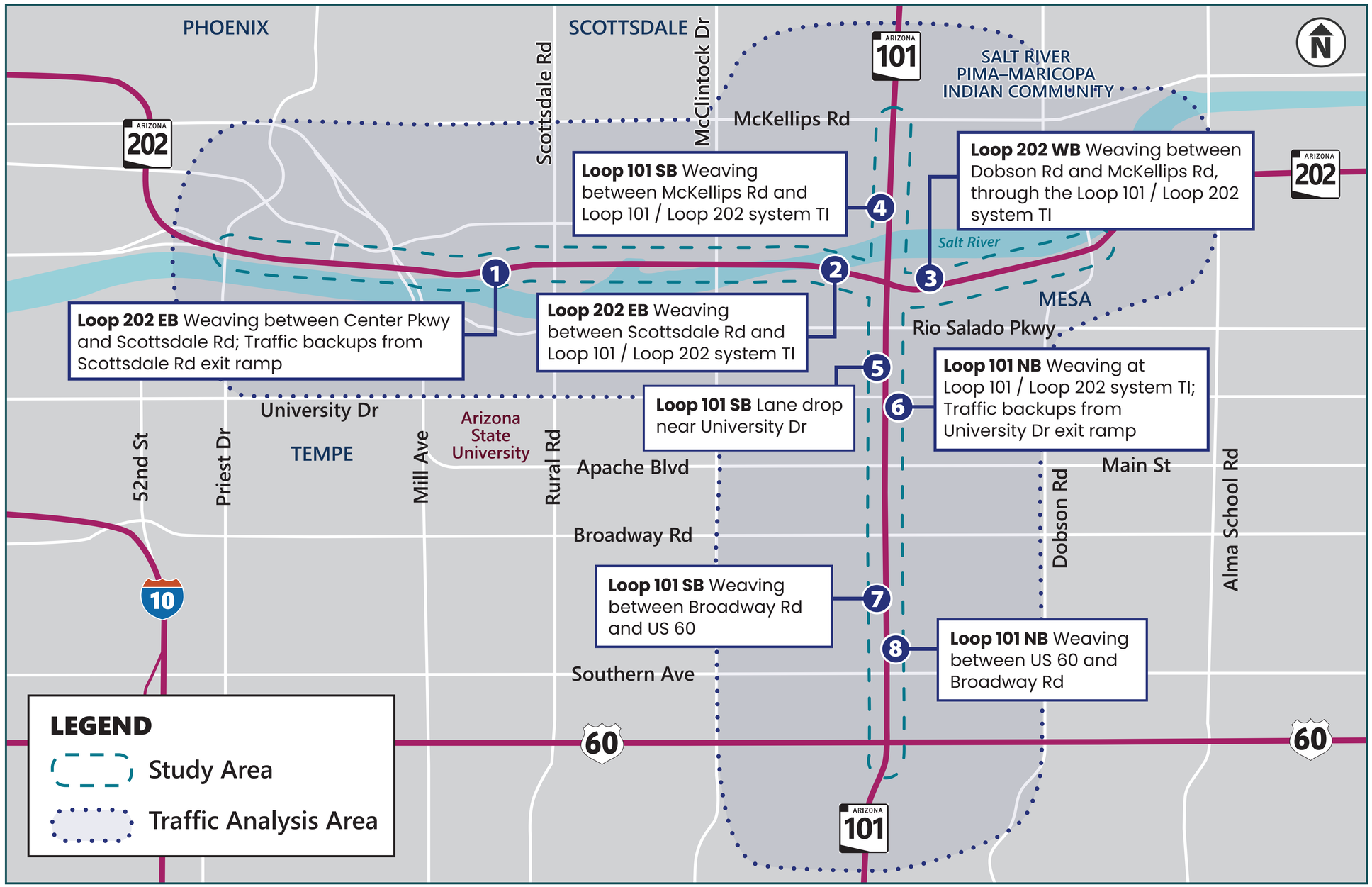
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Safety Concerns within Study Area:

Bottleneck Locations



The study's proposed improvements specifically address each of these locations in the study area.



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Safety Concerns within Study Area:

Crash History



8,164 CRASHES *from* 2019-2024

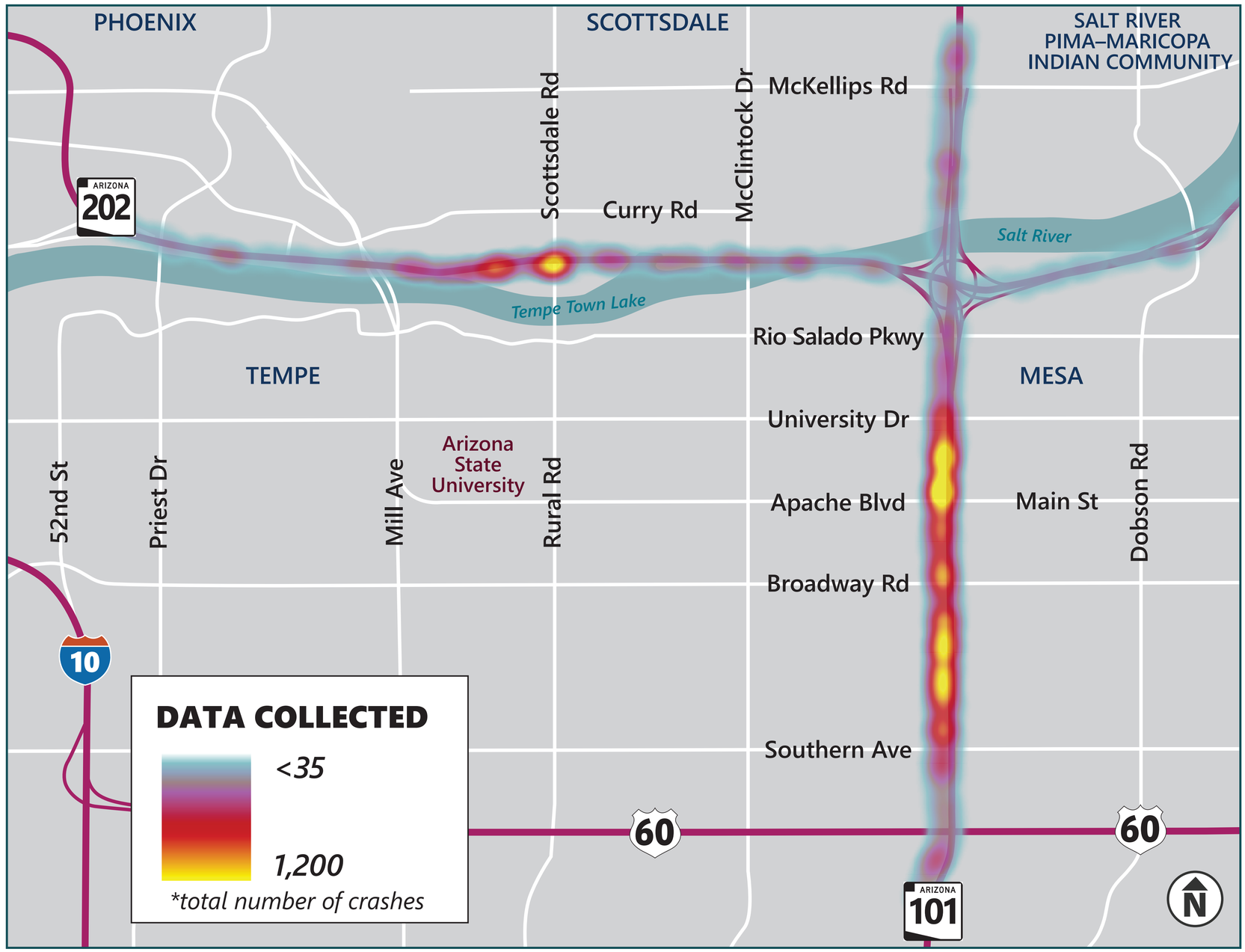
Averages **4+ CRASHES** *per day*

66% on **LOOP 101**

70% of those were ***rear-end type***

21 fatalities on **LOOP 202**

38% of those occurred near ***Scottsdale Road***



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Safety Concerns within Study Area:

Harsh Braking

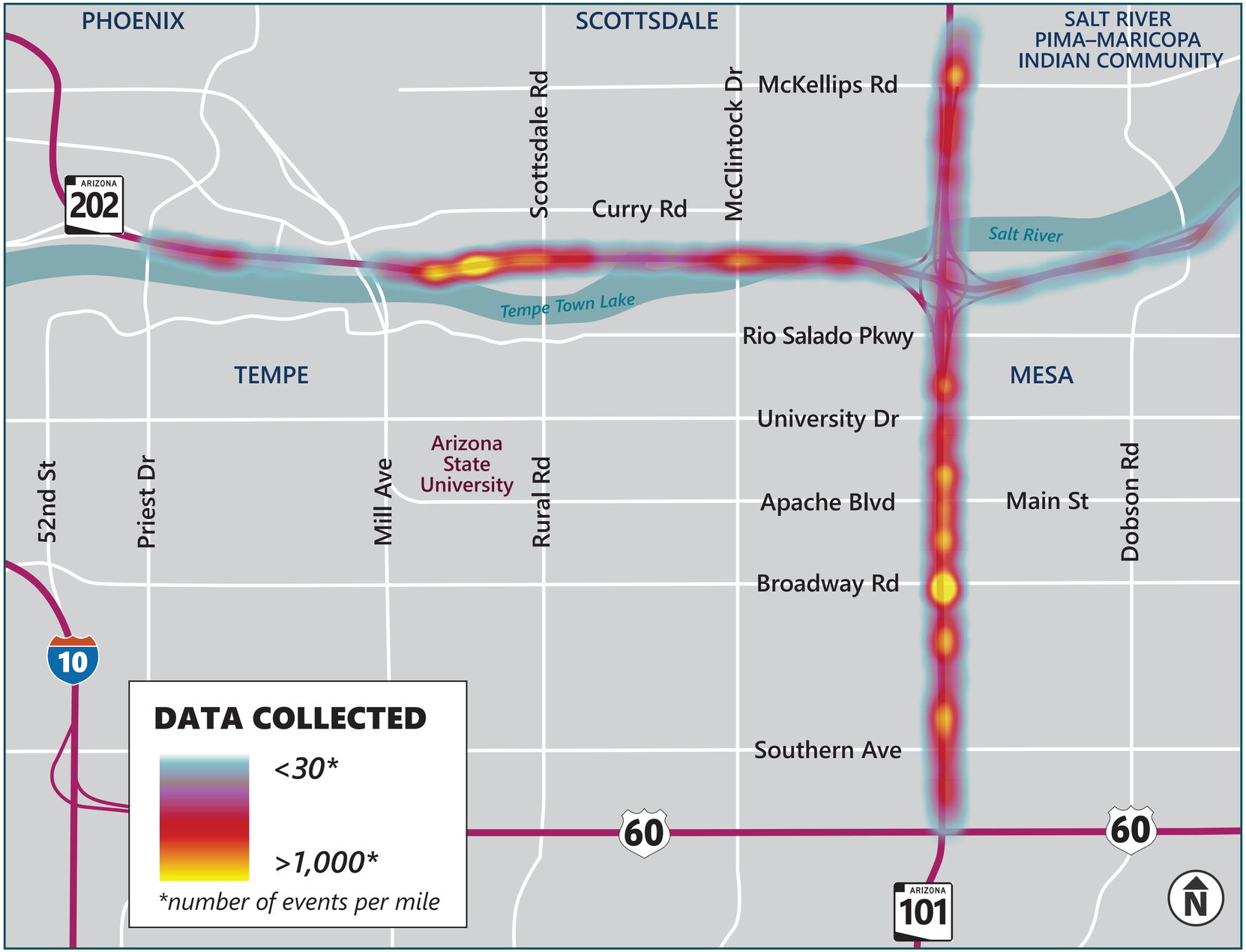


Harsh Braking:

When a driver brakes suddenly.

Measured by vehicle deceleration changes of at least **7 mph/s**.

Direct correlation between crash and harsh braking locations, validated through existing data collection



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Proposed Improvements



LEGEND

Study Area

Braided Ramps

C-D Road

Freeway Mainline Improvements

Auxiliary Lane

Ramp Improvement

Direct HOV Ramp (DHOV)



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Proposed Spot Improvements



In addition to the proposed improvements, the study team identified locations where small adjustments could be made to improve safety and traffic flow sooner.

Spot Improvements Address:

- One of the study goals
- A specific bottleneck location

Why Spot Improvements?

- Localized
- Improves harsh braking and congestion, but does not fully mitigate these issues
- Less impactful construction
- Lower-cost improvement
- Compatible with the other proposed corridor improvements



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Proposed Improvement:

Braided Ramps





Why is this needed?

Braided ramps separate entering and exiting traffic by relocating ramp connections and eliminating conflict points between on- and off-ramps.

- Reduces **weaving** and **bottlenecks** in traffic
- Improves **overall driving experience**
- Reduces **number of stops and starts**

Existing Condition: Short Weave



Proposed Improvement: Braided Ramp



Locations of Proposed Braided Ramps:

- Loop 101 Northbound, McKellips Road Off-Ramp over the Loop 202 On-Ramps
- Loop 101 Southbound, Loop 202 Off-Ramps over the McKellips Road On-Ramp
- Loop 101 Southbound, Broadway Road On-Ramp over the US 60 Off-Ramps

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Proposed Improvement:

Collector-Distributor (C-D) Roads



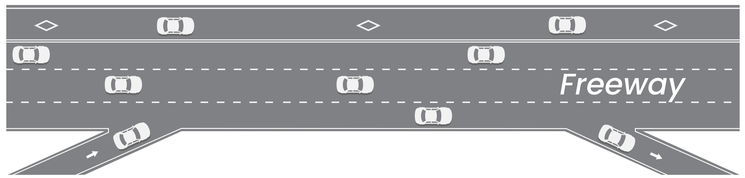


Why is this needed?

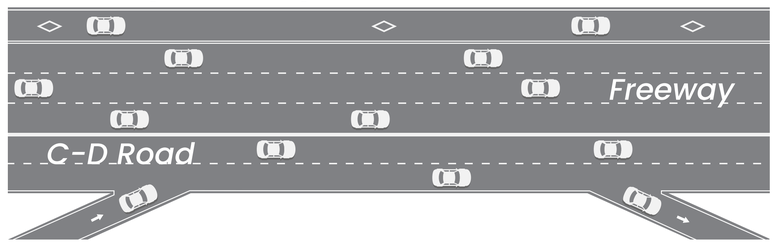
C-D roads add a parallel roadway alongside freeway mainline to separate entering and exiting vehicles from freeway through traffic.

- Reduces **harsh braking** and **weaving**
- Maintains a smoother **traffic flow**
- Improves **safety**

Existing Condition



Proposed Improvement — C-D Road



Location of Proposed C-D Roads:

- Loop 101 Northbound, between US 60 and University Drive
- Loop 101 Southbound, between Broadway Road and US 60

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Proposed Improvements:

Freeway Mainline & Ramp Improvements





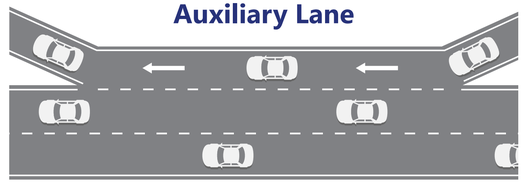
Proposed Freeway Mainline Improvements

Extending lanes where possible to reduce congestion and lane-drops.

- Improves **safety**
- Reduces **traffic congestion**

Proposed Auxiliary Lane

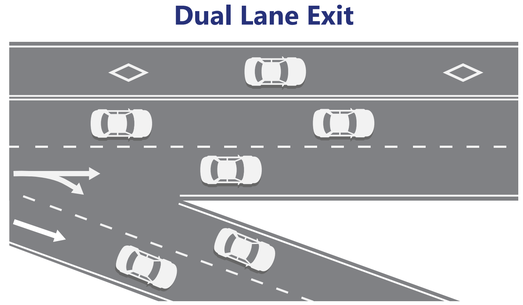
Adds an extra lane between ramps that helps drivers enter, exit or merge more smoothly.



- Improves **safety**
- Reduces **conflict** between vehicles entering and exiting the freeway

Proposed Ramp Improvements

Widen select exit ramps to two lanes.



- Reduces **traffic backups** onto freeway travel lanes
- Minimizes **stop-and-go** conditions for drivers

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Proposed Improvement:

Direct HOV Ramps (DHOV)





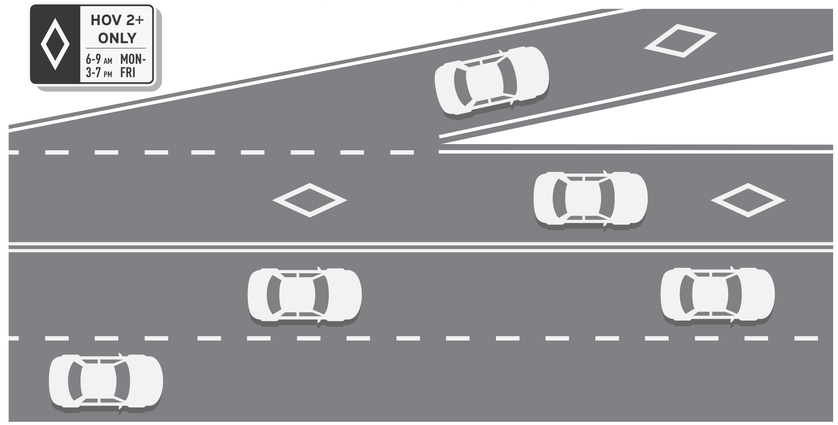
Why is this needed?

Construct a direct freeway-to-freeway connection for HOV users, creating an exclusive ramp for carpool traffic.

- Reduces **weaving** and **minimizes lane changes**
- **Travel efficiency** for HOV commuters

Currently, drivers using HOV lanes make **10 lane changes** between Loop 101 and Loop 202.

HOV=High-Occupancy Vehicle



Location of Proposed Direct HOV Ramps:

At the Loop 101 / Loop 202 System Interchange:

- Loop 101 Northbound to Loop 202 Westbound
- Loop 202 Eastbound to Loop 101 Southbound

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Next Steps



This study is only the beginning of improving travel through this area.

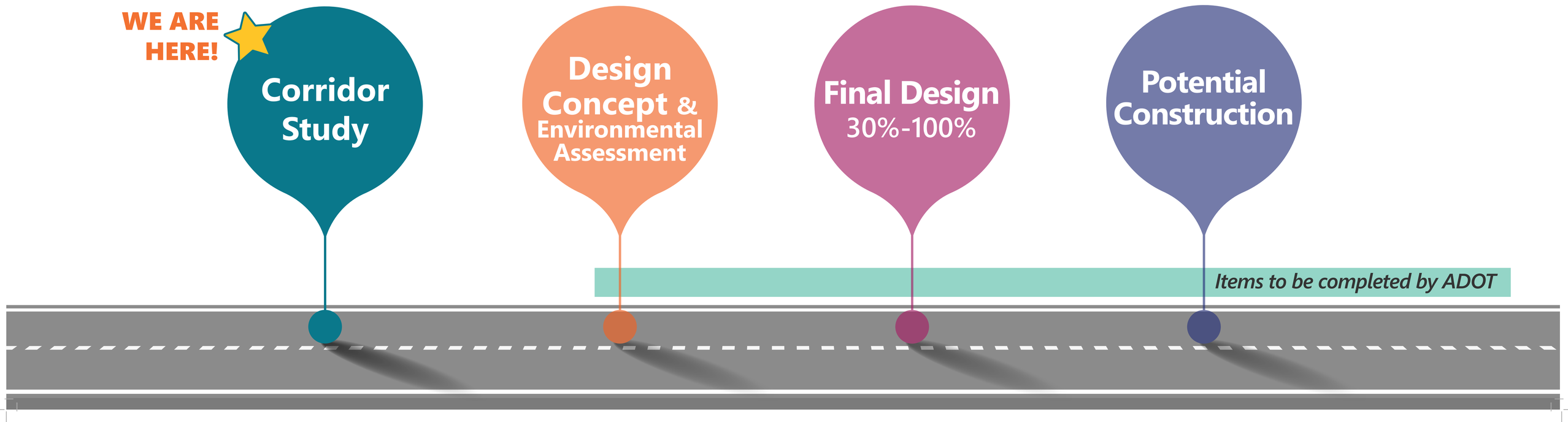
This study provides the framework for subsequent designs/analysis.

Next Steps:

Study recommendations will be given to the Arizona Department of Transportation (ADOT) for future environmental studies, design and construction of any improvements.

Design and implementation of any improvements is funded through Proposition 479, the extension of the half-cent sales tax approved by voters in November 2024.

There will be plenty more **public input opportunities** for **surrounding communities** as well as coordination with **local agencies** future improvement plans.



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Thank You for Attending!

Provide your input by December 13, 2026:

Take the online survey at azmag.gov/L101-L202

Complete the survey during tonight's meeting

Visit the website to:

- View the meeting materials along with a narration of the display boards
- Take the survey
- Sign up for updates