

Welcome! Please sign in.

AGENDA



5:15 p.m. Presentation



5:45 p.m. Open House and Q&A



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/I-10CorridorStudy

STUDY PLANNING PARTNERS



City of Phoenix



U.S. Department
of Transportation

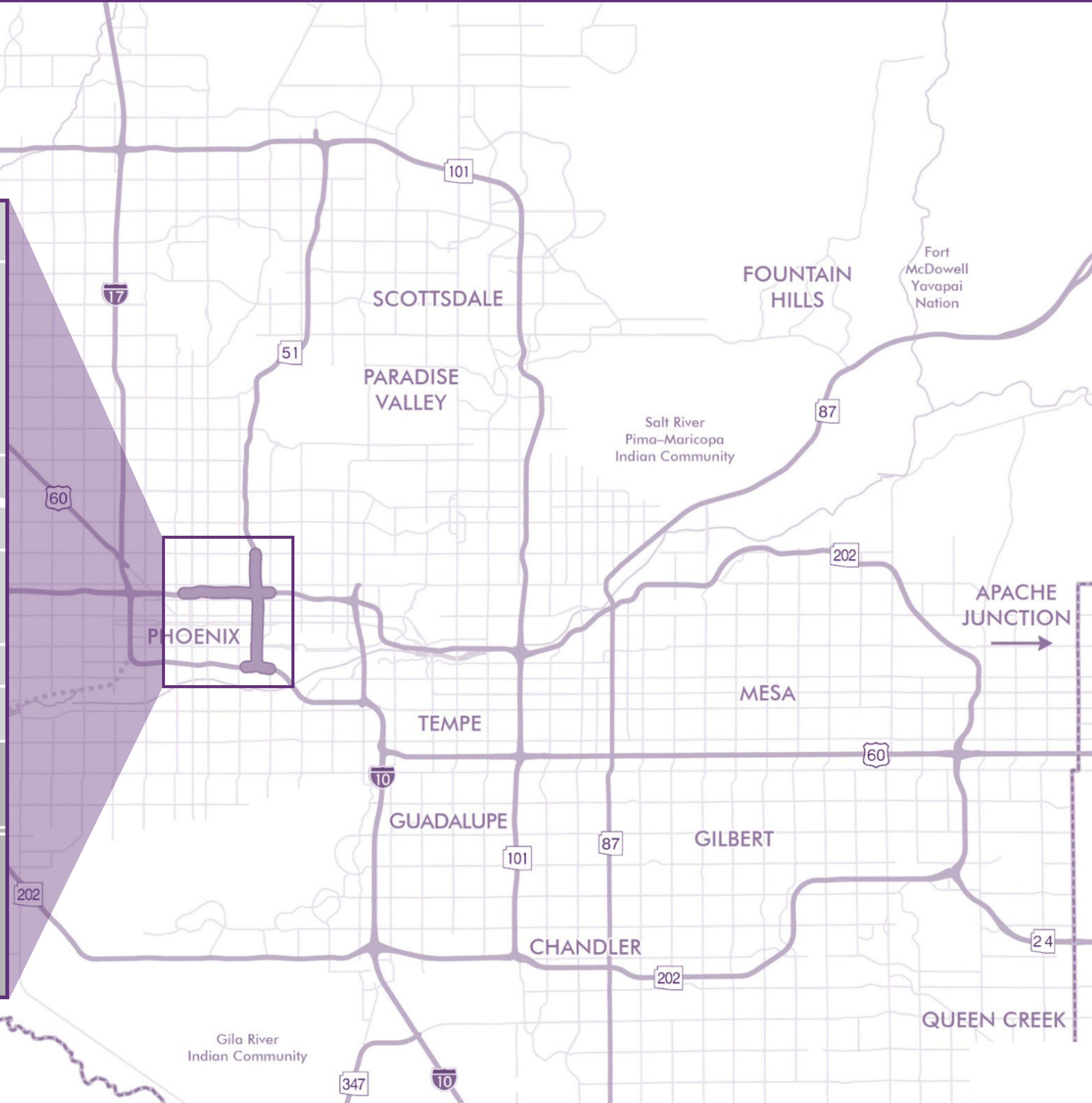
**Federal Highway
Administration**



**Federal Aviation
Administration**

STUDY AREA MAP

 Study Area



STUDY PURPOSE

To define a series of creative improvements that will optimally satisfy the following objectives:



#1 PRIORITY

Improve safety.



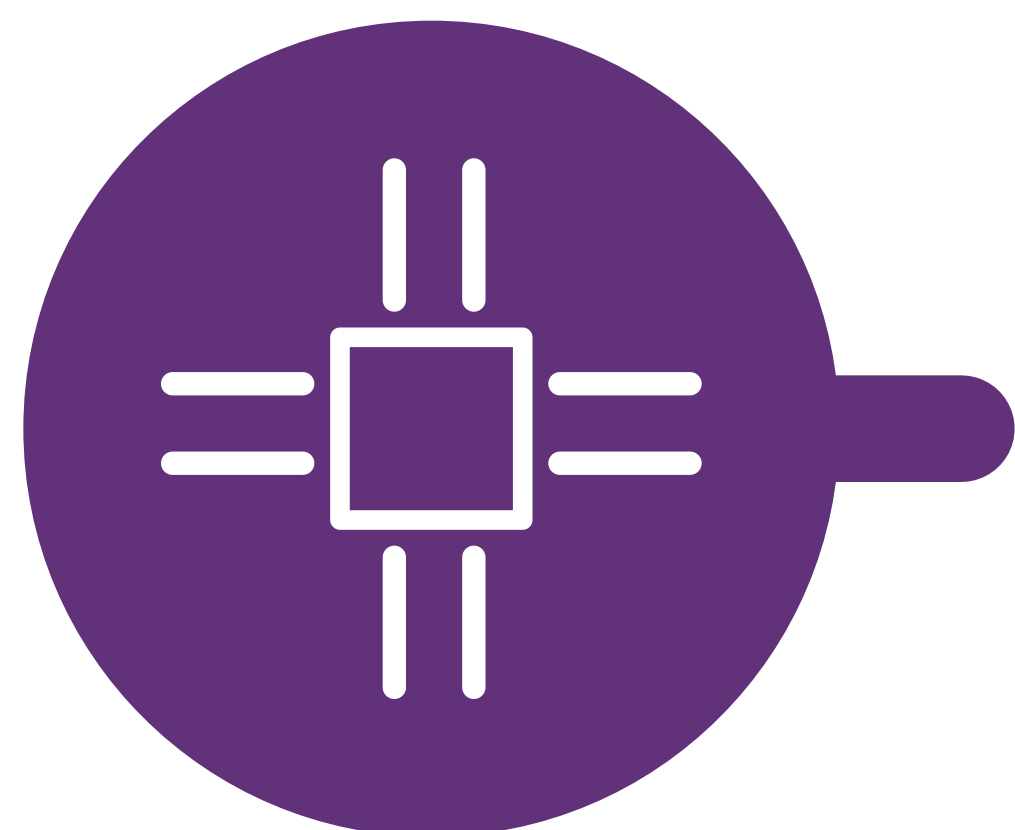
Protect the surrounding communities from negative impact.



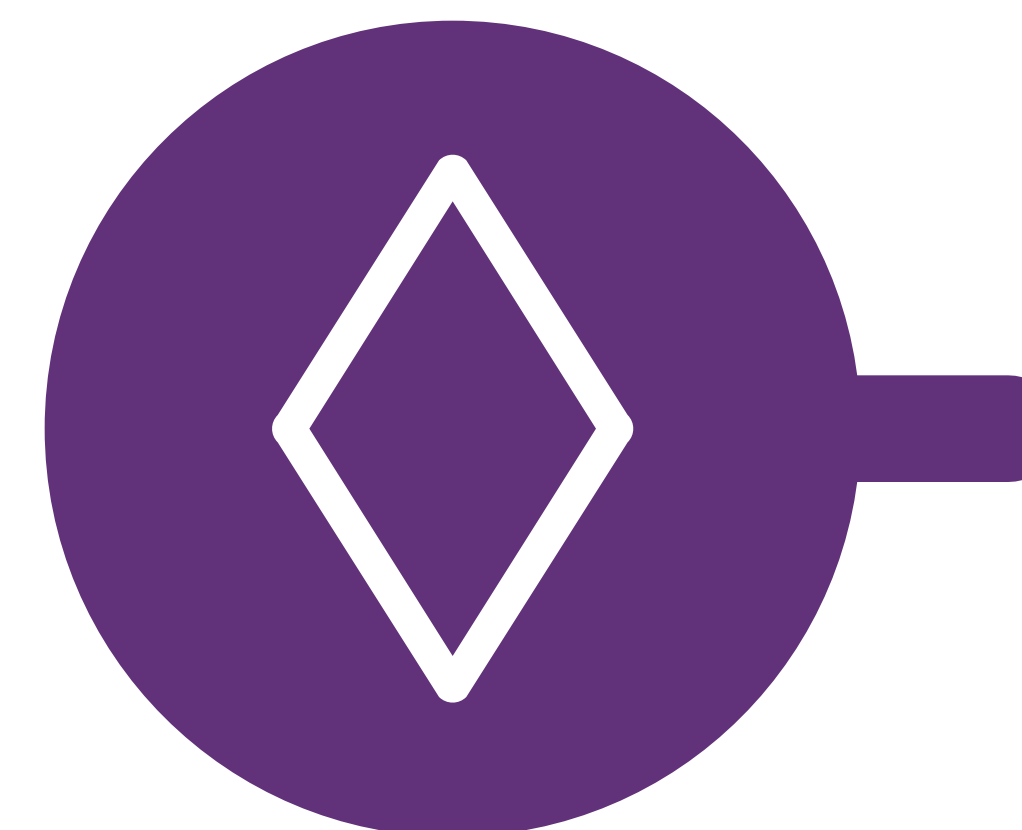
Enhance traffic operations.



Accommodate regional travel needs.

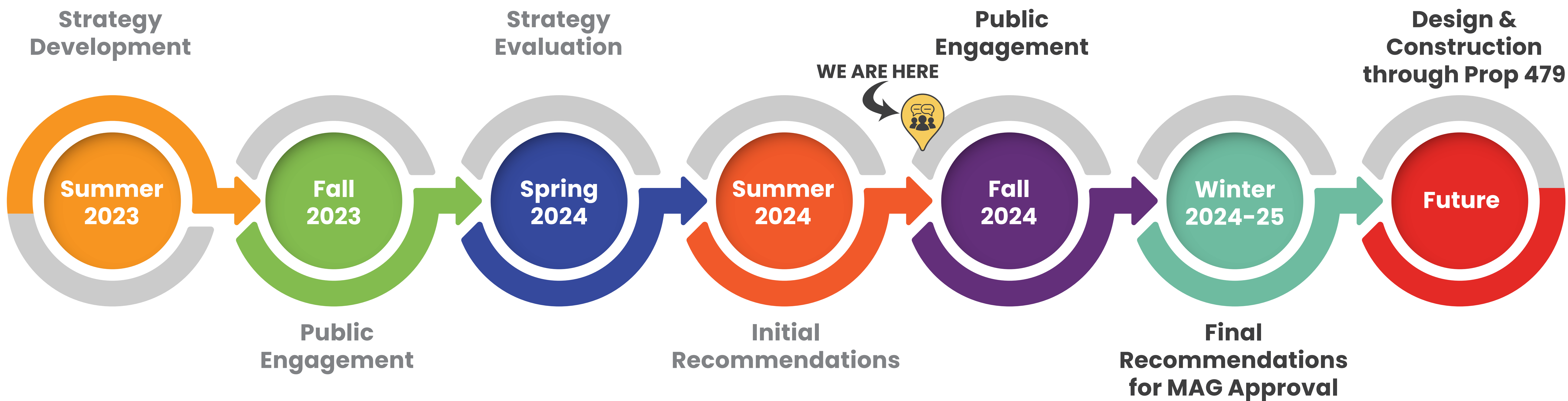


Enhance access to and from all areas of the region.



Enhance HOV access and mobility.

STUDY TIMELINE



WHAT WE HEARD FROM YOU

Thank you for sharing your experiences and concerns when using the I-10 Freeway Corridor.

Common themes from the fall 2023 survey included:



97% of respondents **support making improvements** in the project corridor.



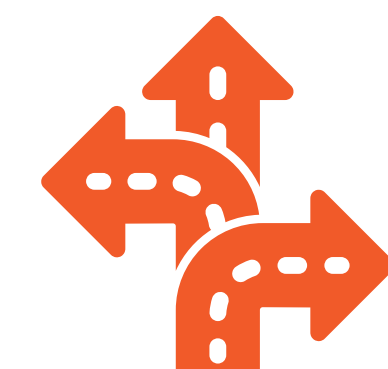
82% of respondents said **congestion was high or very high** in the study area.



Respondents indicated the **most important** study objective is to **improve safety**.



Erratic driver behavior and the **amount of stops and starts** were identified by respondents as the **primary issues** impacting the use of the corridor.



The majority of respondents said the **interchanges** and **freeway mainline lanes** are **needing most improvement**.



**1,959
SURVEYS
COMPLETED**



**584
AREAS OF
CONCERN
MAPPED**

SAFETY ISSUES WITHIN STUDY AREA: WEAVING & SPEED VARIANCE

Traffic Weaving

Occurs when traffic must complete a lane change in a short distance (generally <1 mile).

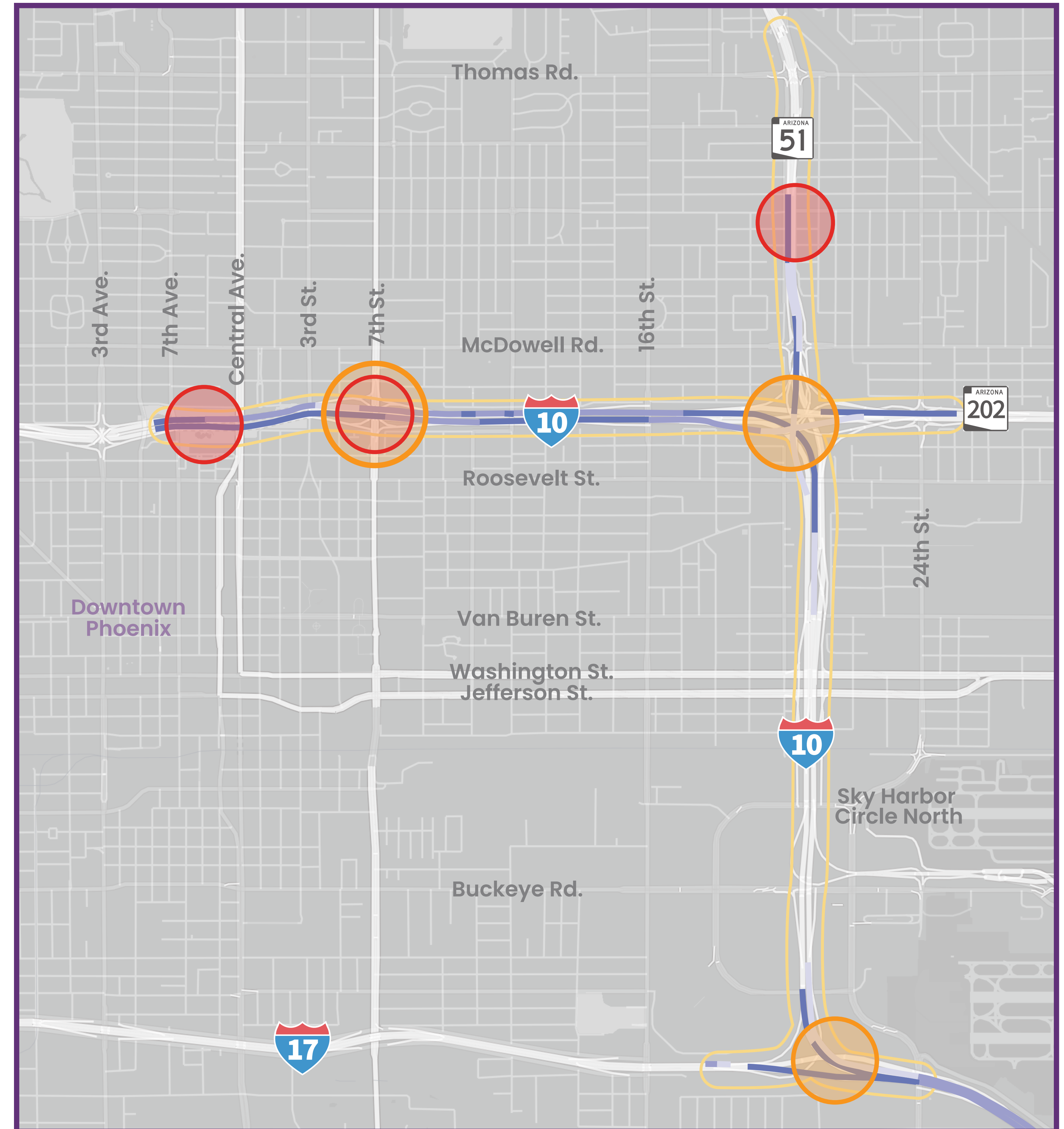
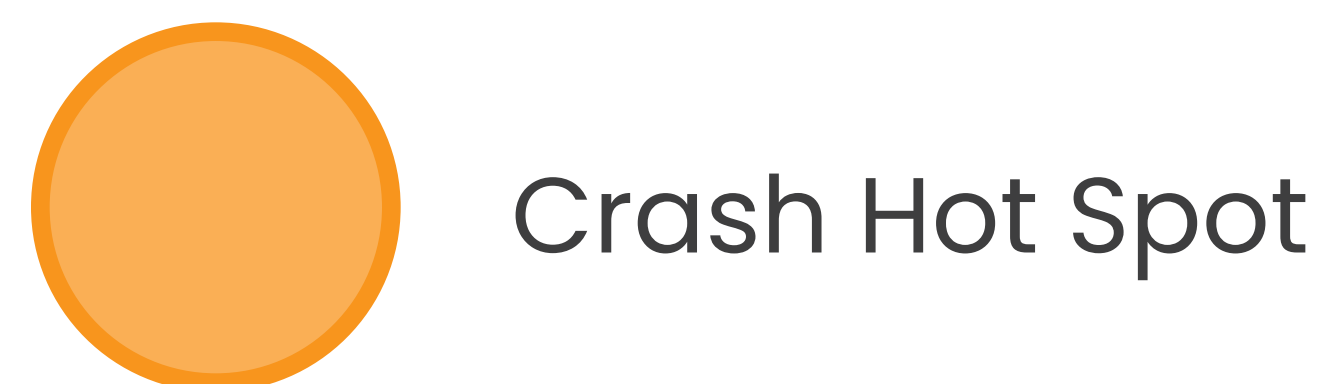
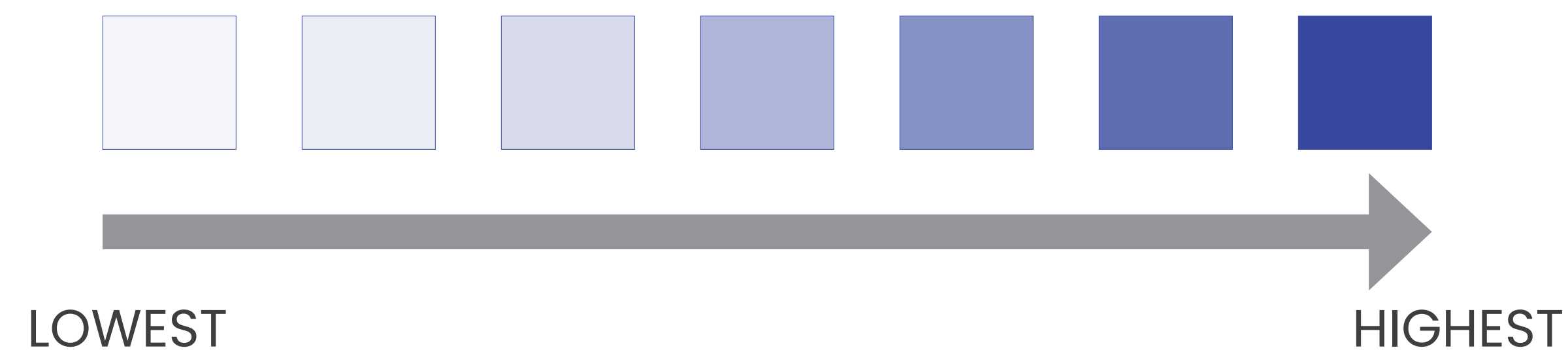
Speed Differential

Occurs when traffic is traveling at different speeds in a given area.

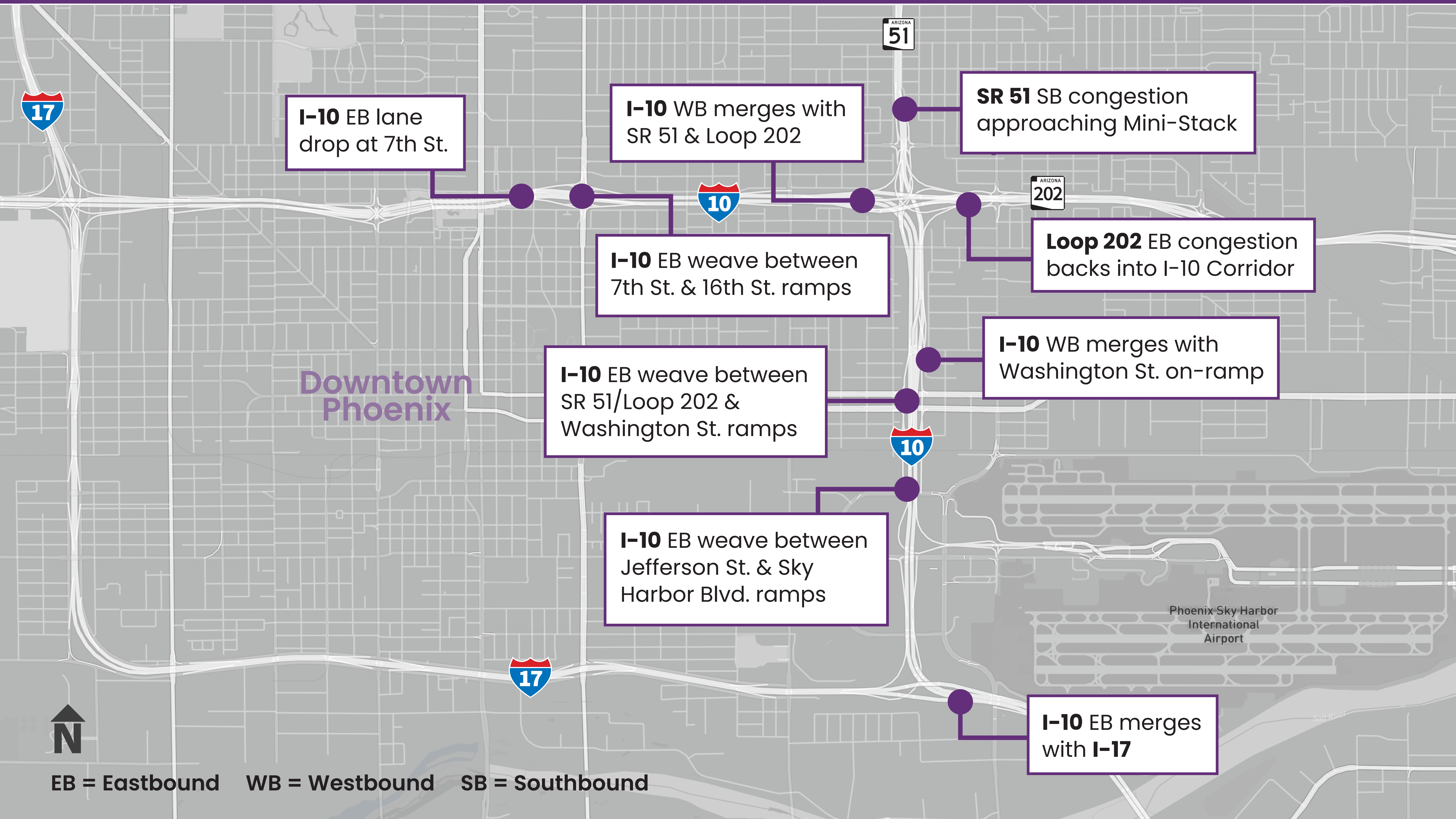
Crashes occur more often in locations with speed differential.

Speed differential occurs in **bottlenecks**.

PM Peak Hour Speed Differential



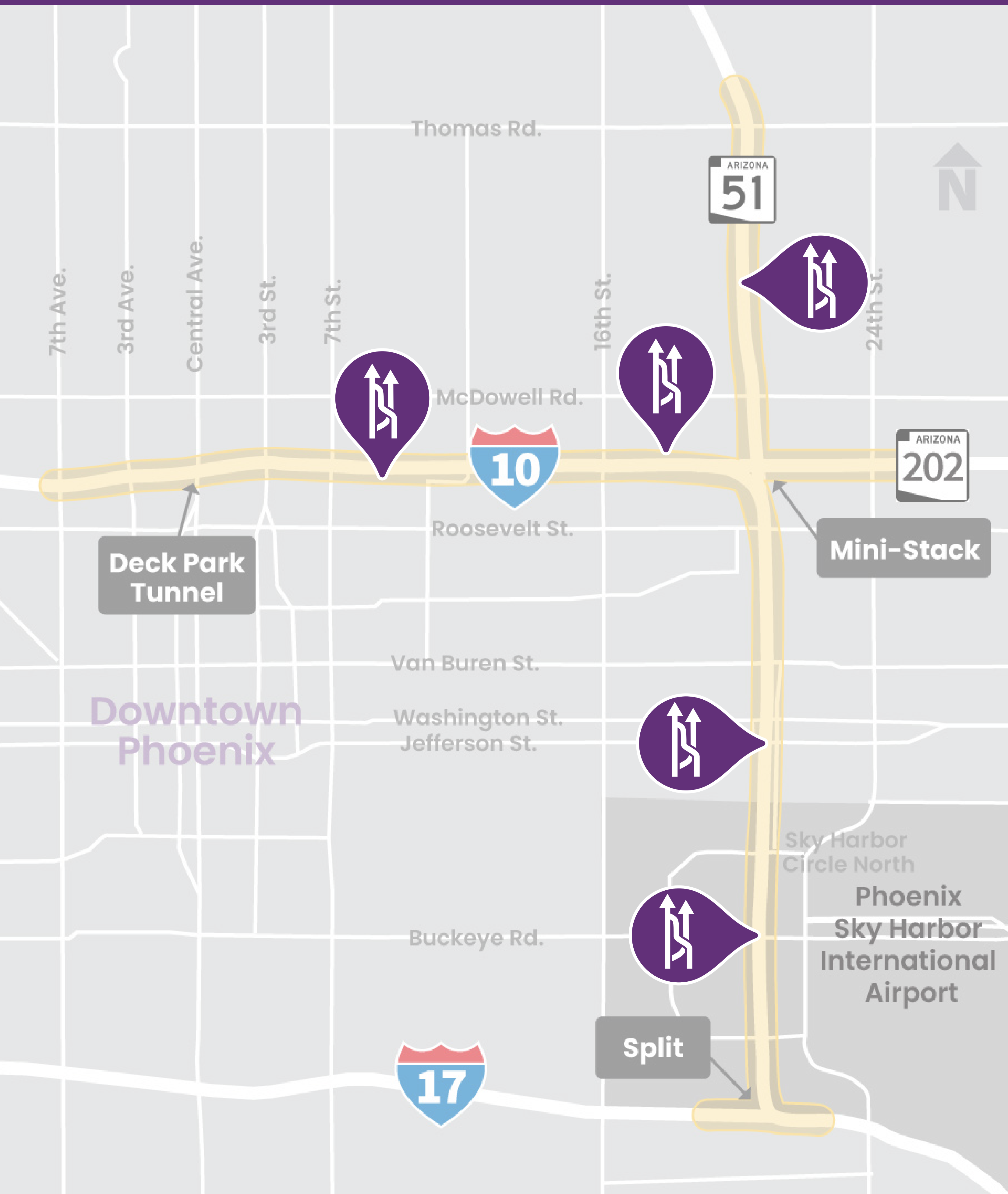
SAFETY ISSUES WITHIN STUDY AREA: **BOTTLENECK LOCATIONS**



PROPOSED IMPROVEMENT LOCATIONS



PROPOSED IMPROVEMENT: BRAIDED RAMPS

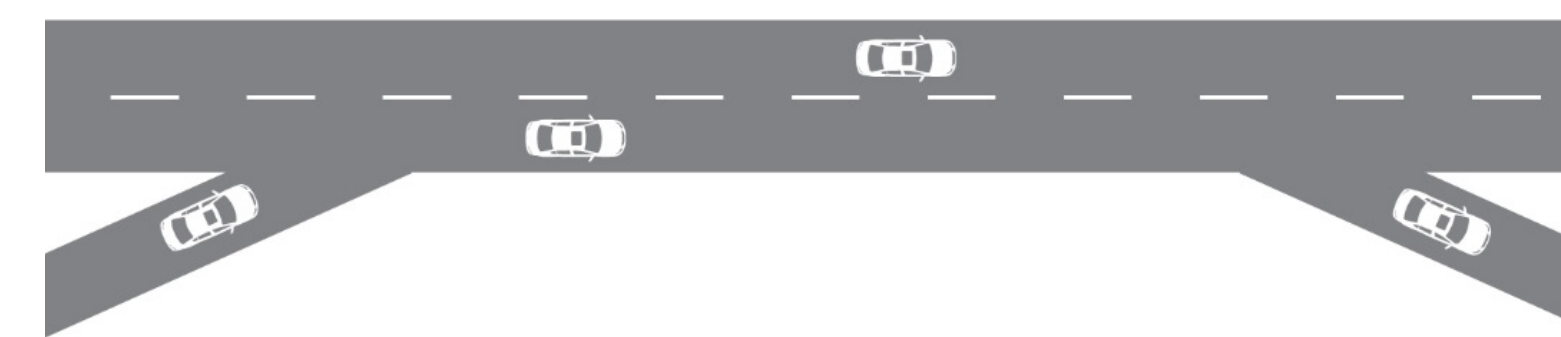


Why is this needed?

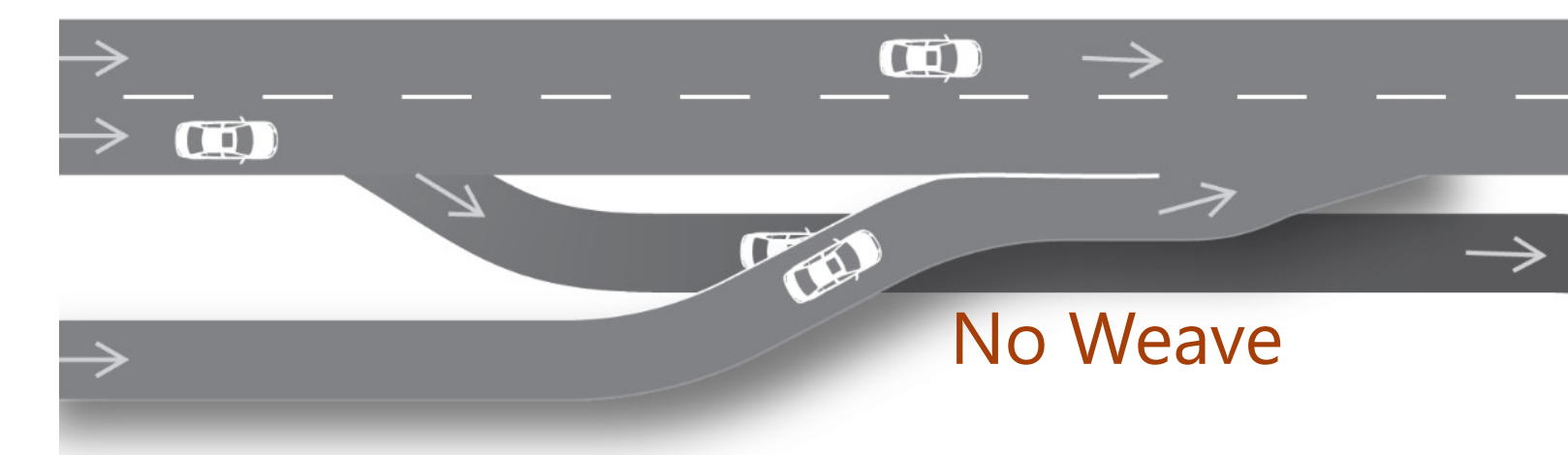
Braided ramps remove the conflict between traffic entering the freeway from an on-ramp and traffic exiting the freeway to an off-ramp by relocating the on- and off-ramps and constructing a bridge.

- » Eliminates weaving and bottlenecks in traffic
- » Improves traffic flow on the freeway mainline lanes
- » Reduces speed differential

**Existing Condition —
Short Weave**

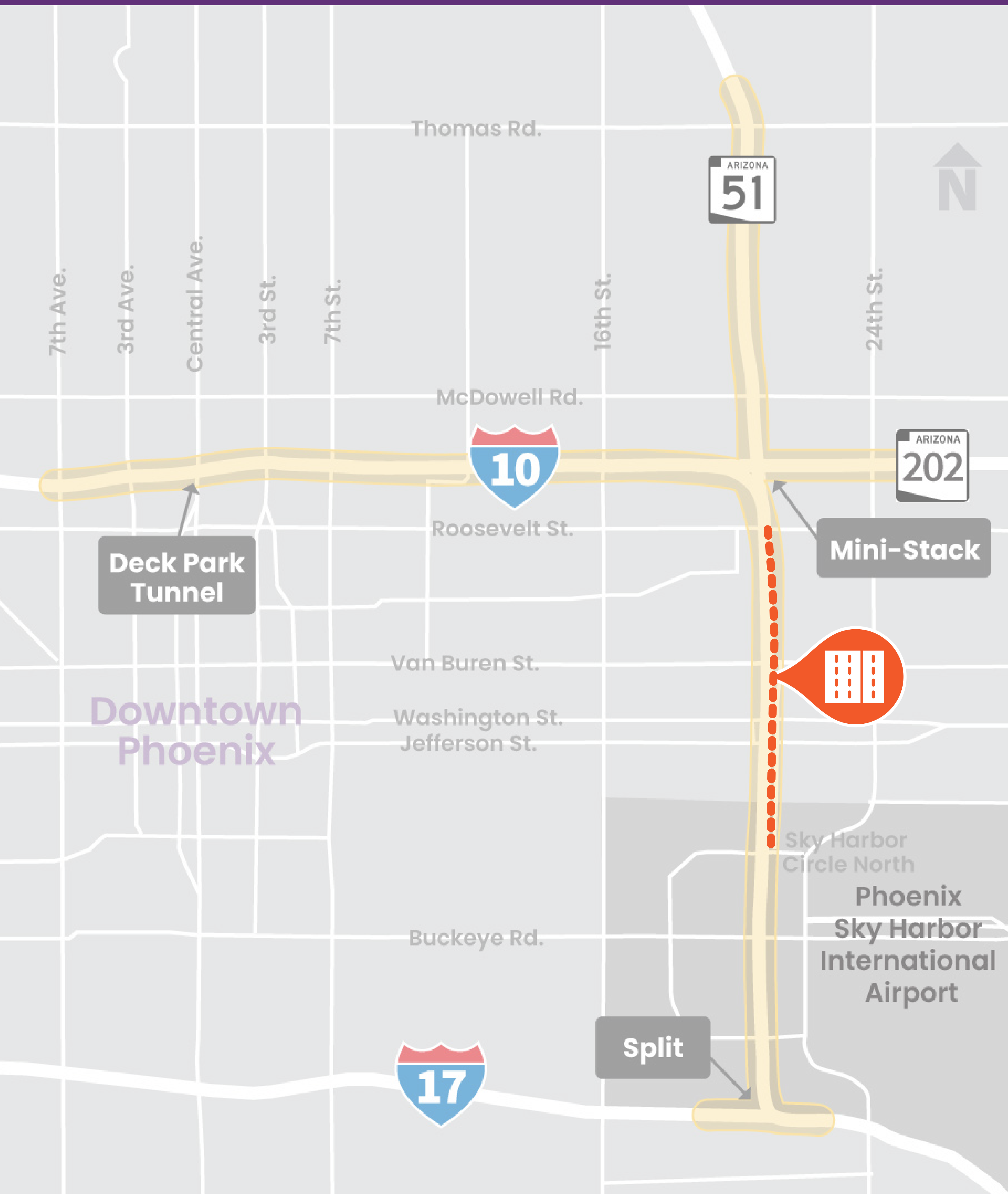


**Proposed Improvement —
Braided Ramp**



Locations of Braided Ramps:

- » Westbound I-10 between the Mini-Stack and the 16th Street on-ramp and the 7th Street off-ramp
- » Eastbound I-10 between the 7th Street on-ramp and the 16th Street and Mini-Stack off-ramps
- » Eastbound I-10 between the Jefferson Street on-ramp and the Sky Harbor Boulevard off-ramp near Phoenix Sky Harbor International Airport
- » Eastbound I-10 between the Buckeye Road on-ramp and the I-17 off-ramp
- » Southbound SR 51 between the Thomas Road on-ramp and the McDowell Road off-ramp

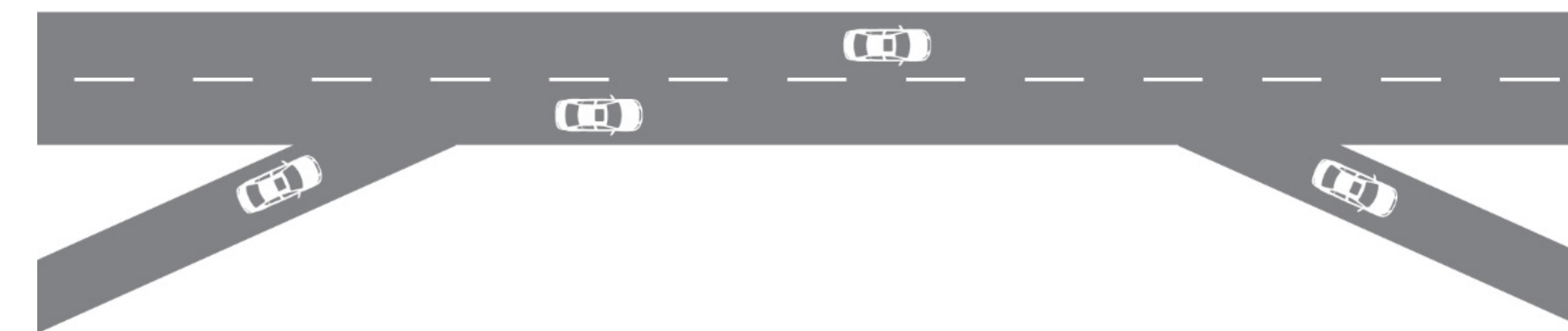


Why is this needed?

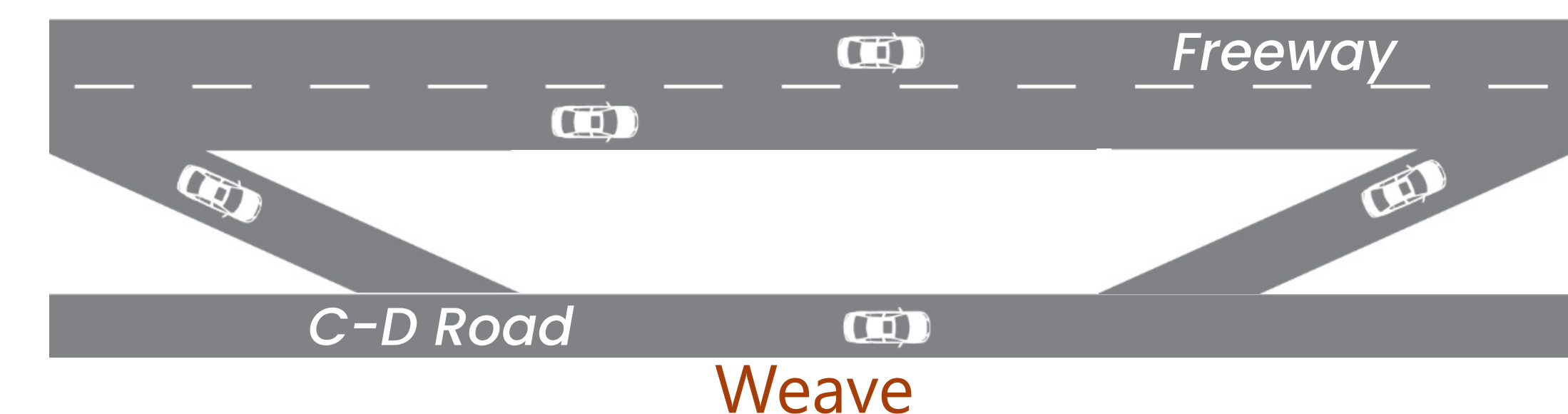
C-D roads move traffic onto a new parallel roadway to I-10 to separate through traffic on I-10 from local traffic entering or exiting the freeway.

- » Moves weaving traffic away from the freeway
- » Improves traffic flow
- » Reduces speed differential

Existing Condition — Short Weave

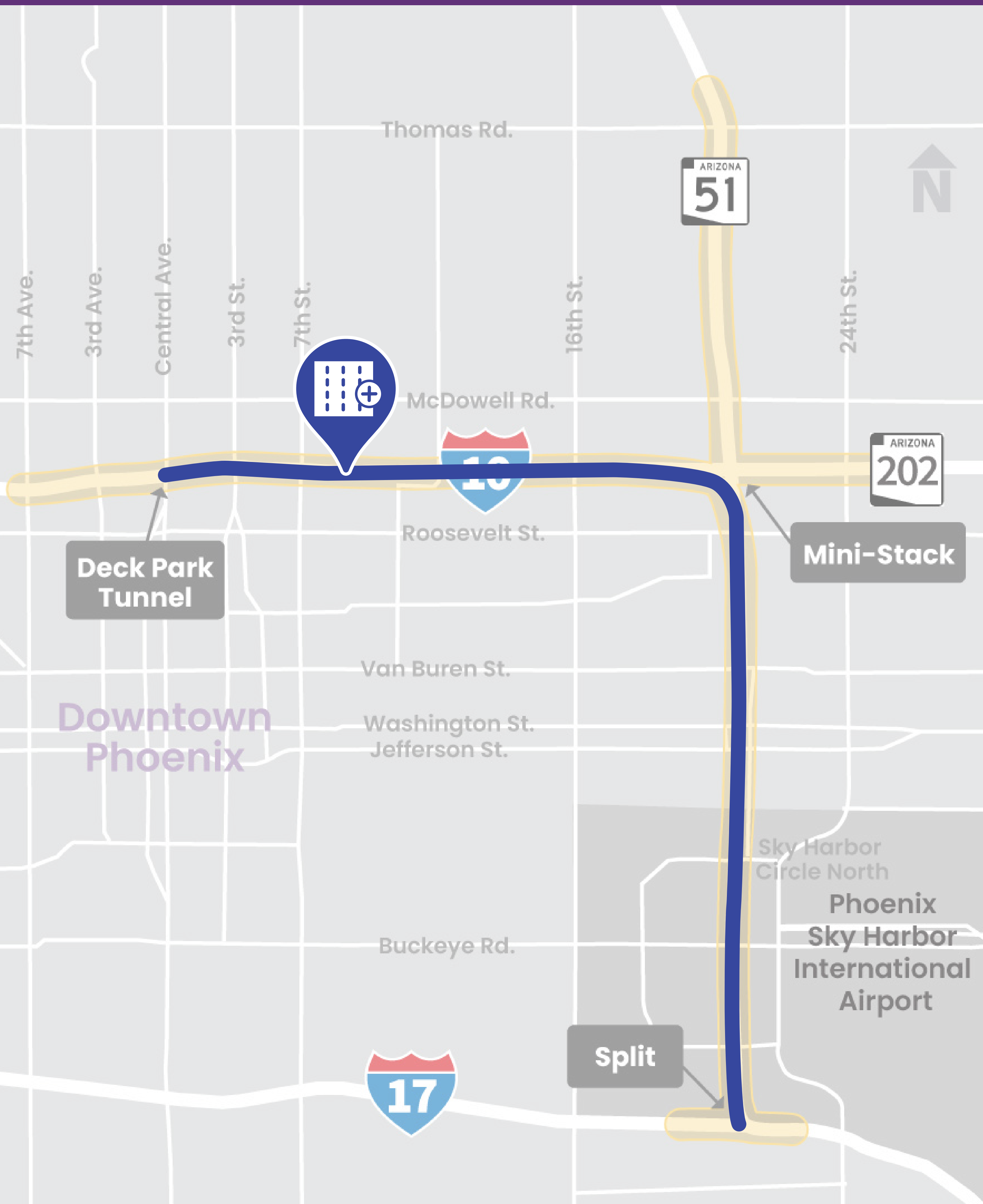
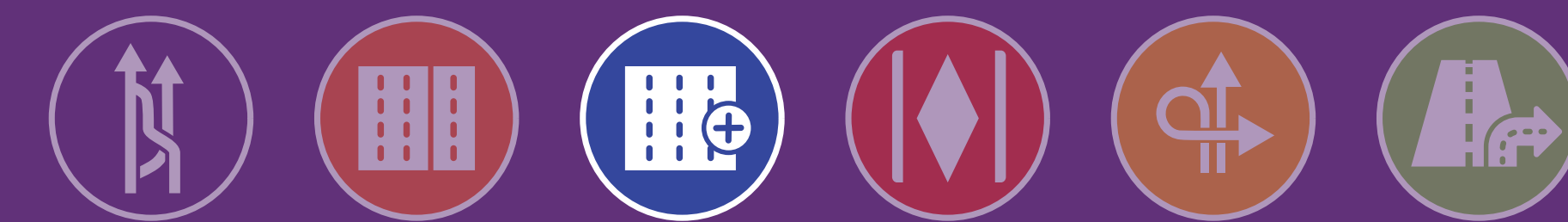


Proposed Improvement — C-D Road



Location of C-D Roads:

Westbound I-10 between Sky Harbor Boulevard and Roosevelt Street



Why is this needed?

Improvements to the freeway mainline lanes at lane merge locations.

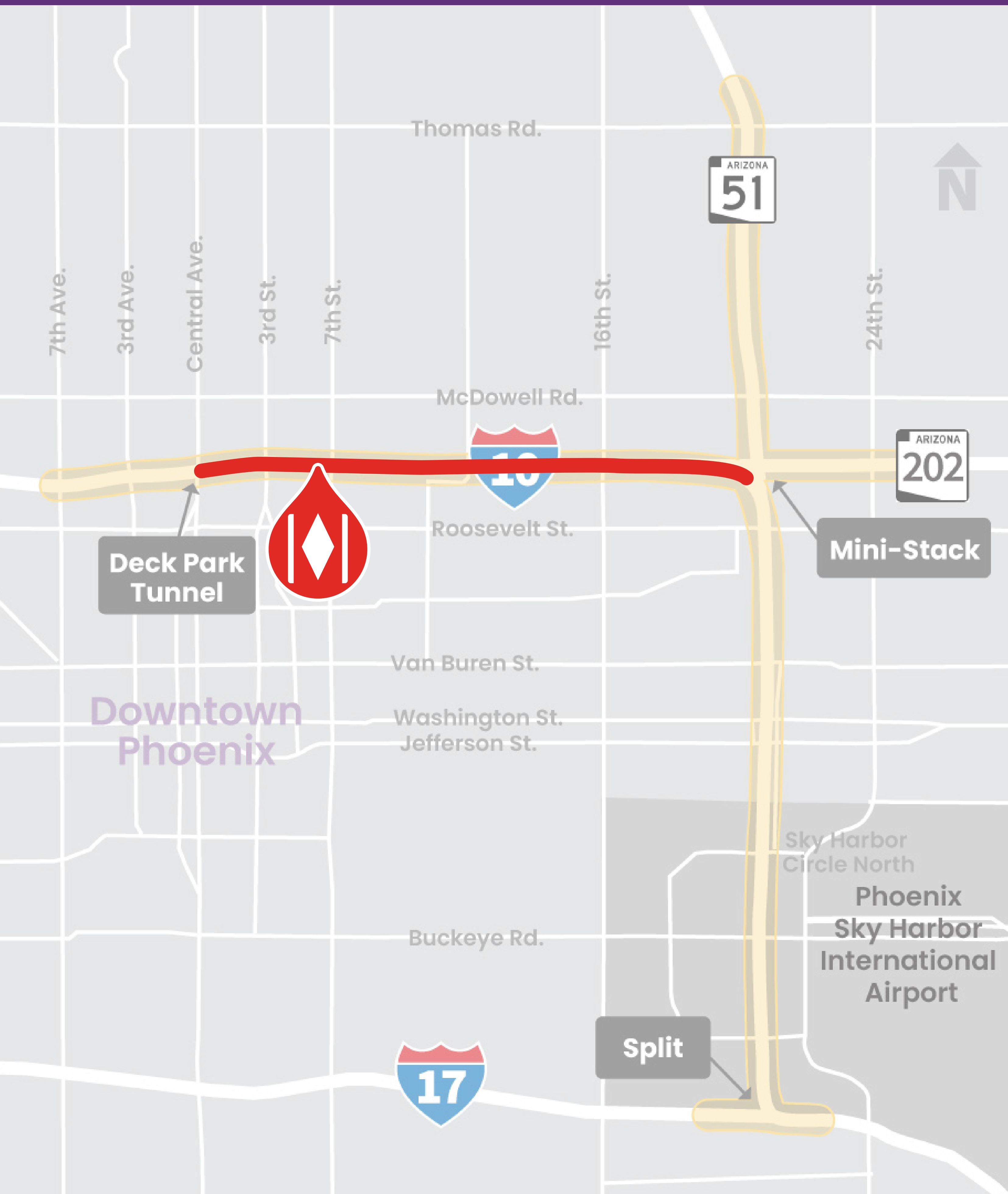
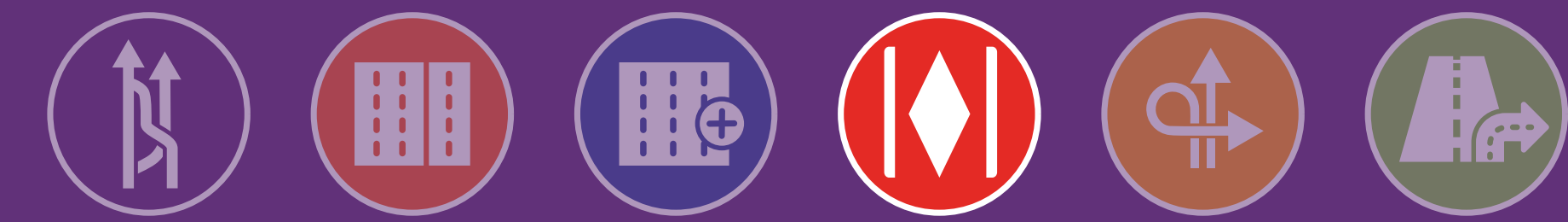
- » Improves safety
- » Improves traffic flow



Locations of Freeway Mainline Improvements:

Spot locations along westbound and eastbound I-10 from the Deck Park Tunnel to the I-10/I-17 Split

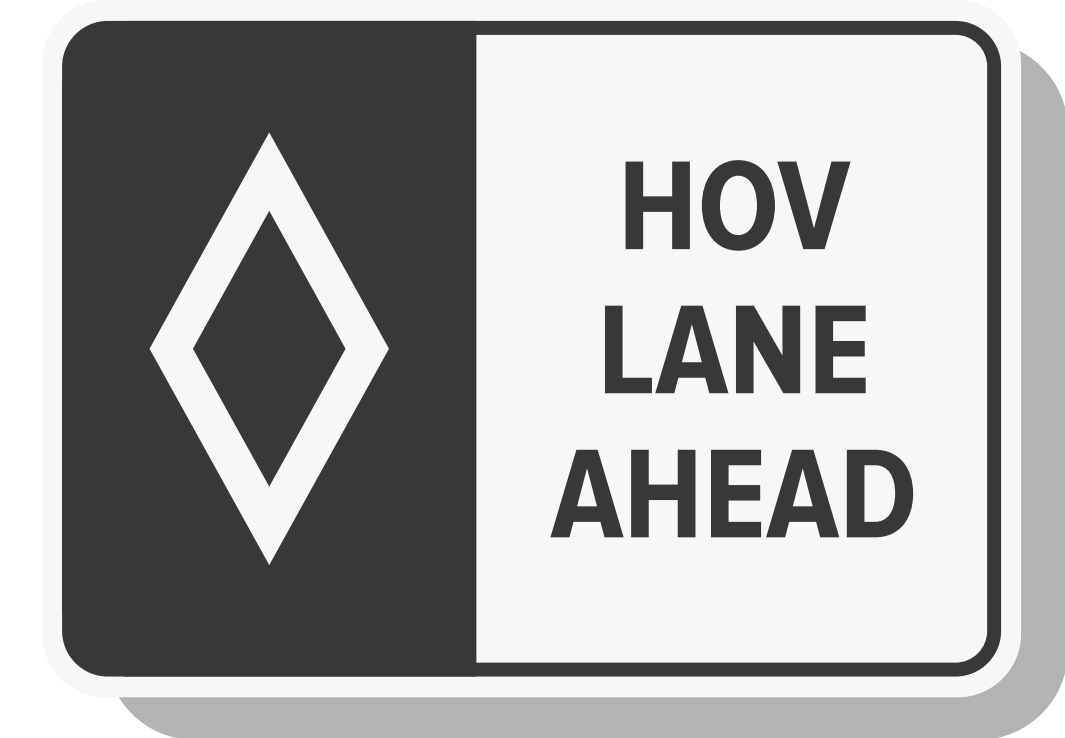
PROPOSED IMPROVEMENT: ADDITIONAL HOV LANES



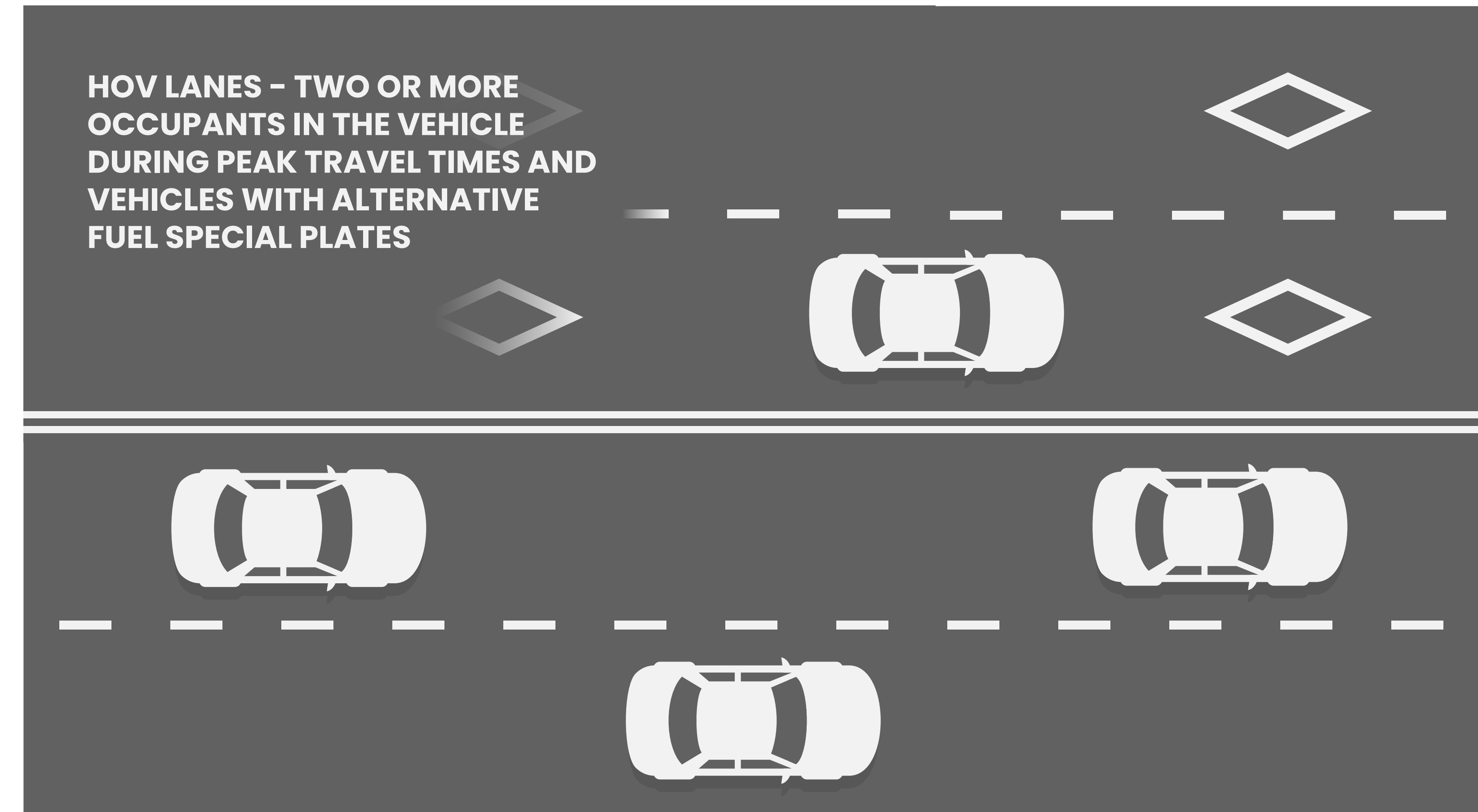
HOV=High Occupancy Vehicle

Why is this needed?

- » Improves traffic flow in the HOV lanes
- » Reduces speed differential



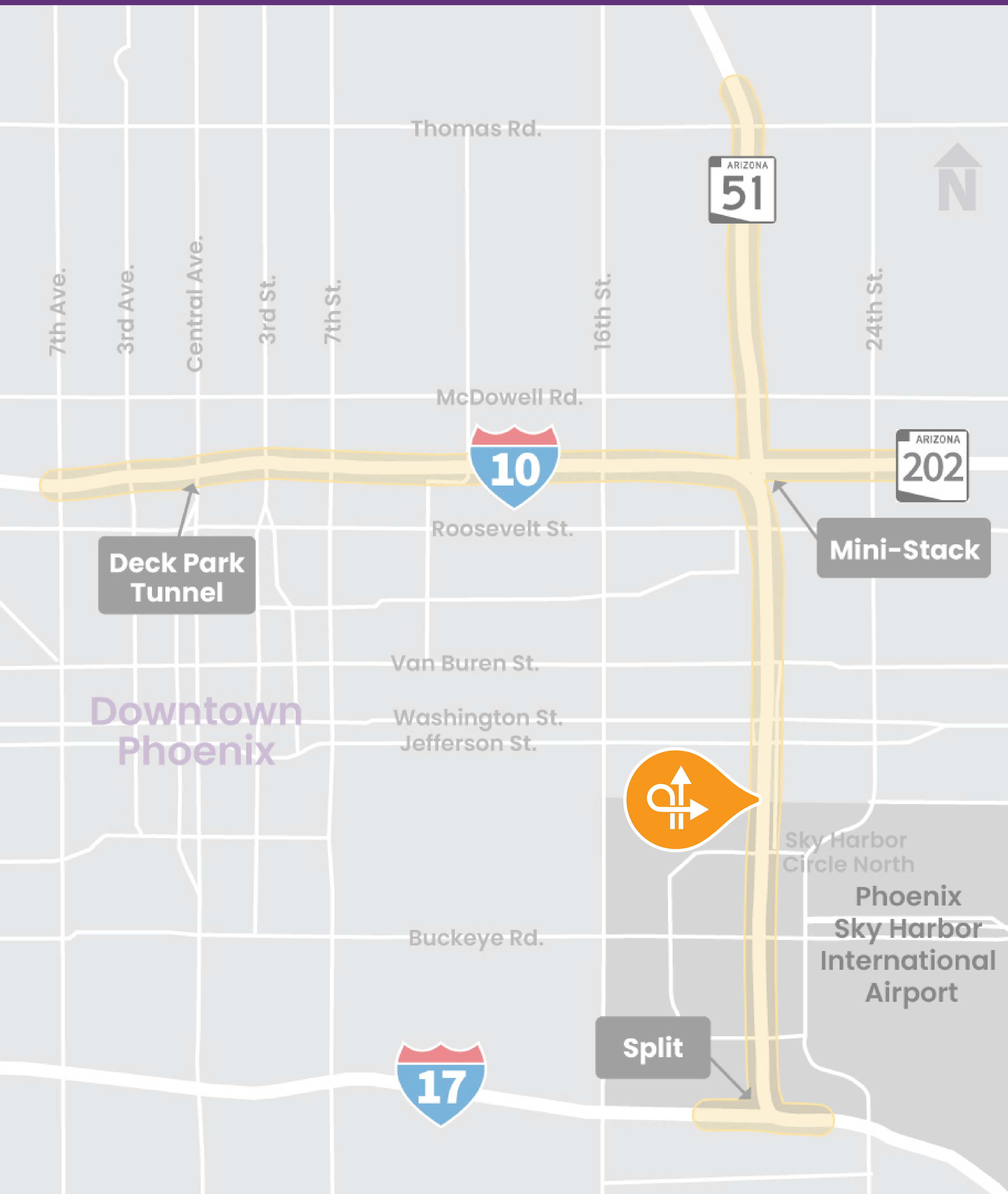
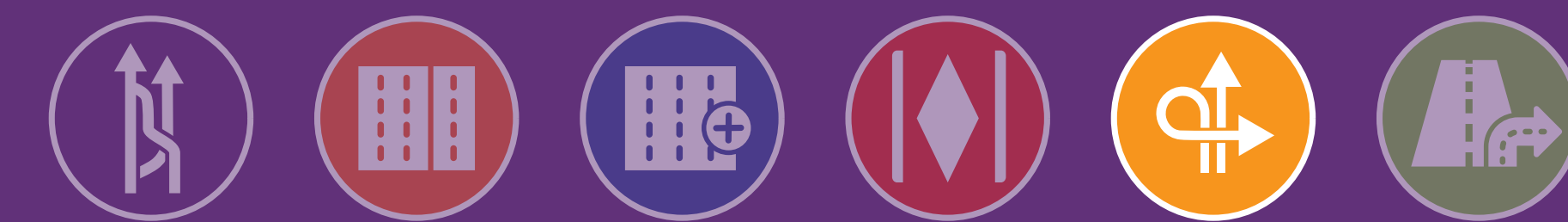
HOV LANES – TWO OR MORE
OCCUPANTS IN THE VEHICLE
DURING PEAK TRAVEL TIMES AND
VEHICLES WITH ALTERNATIVE
FUEL SPECIAL PLATES



Location of Additional HOV Lanes:

Westbound and eastbound I-10 from the Deck Park Tunnel to the Mini-Stack

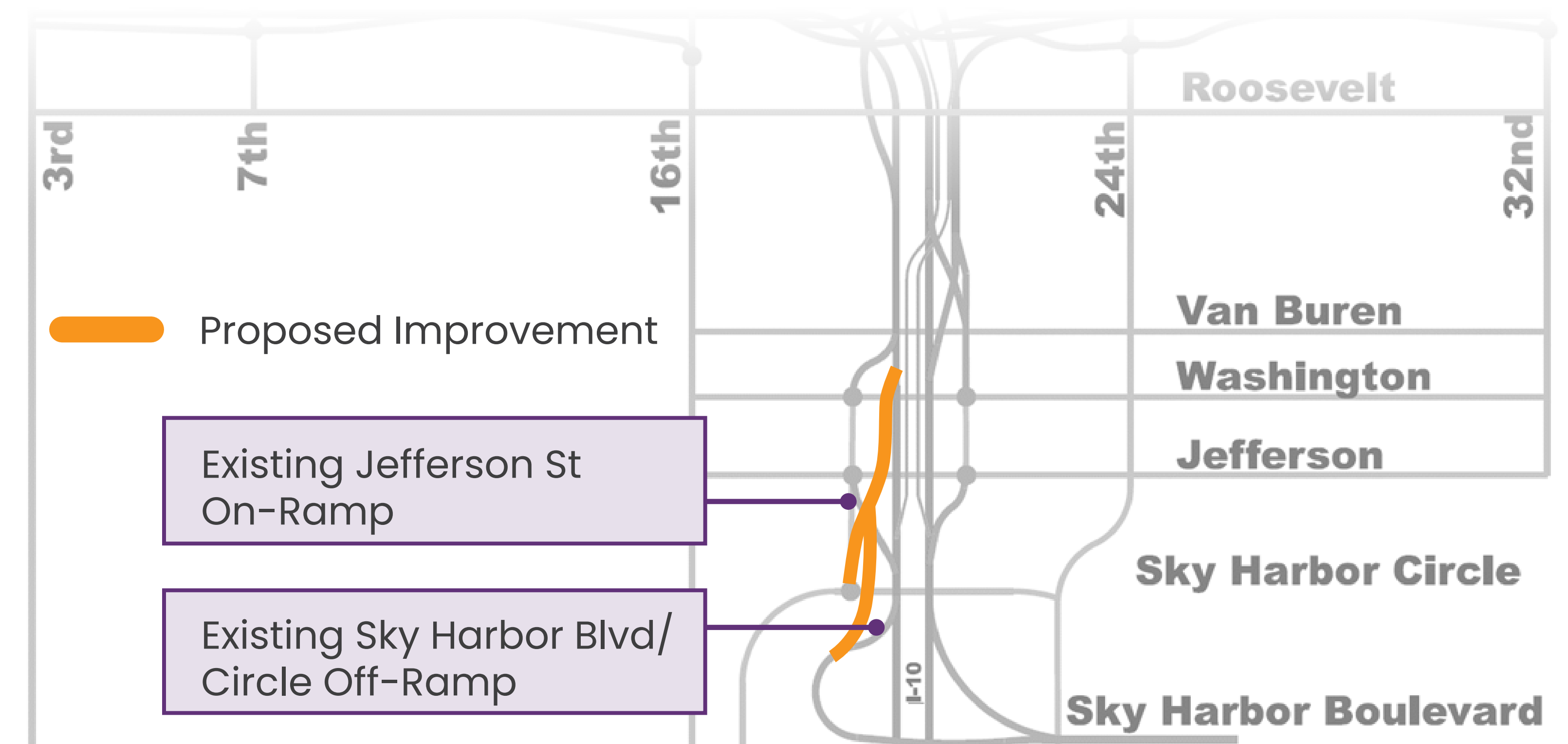
PROPOSED IMPROVEMENT: NEW RAMP/CONNECTION



Why is this needed?

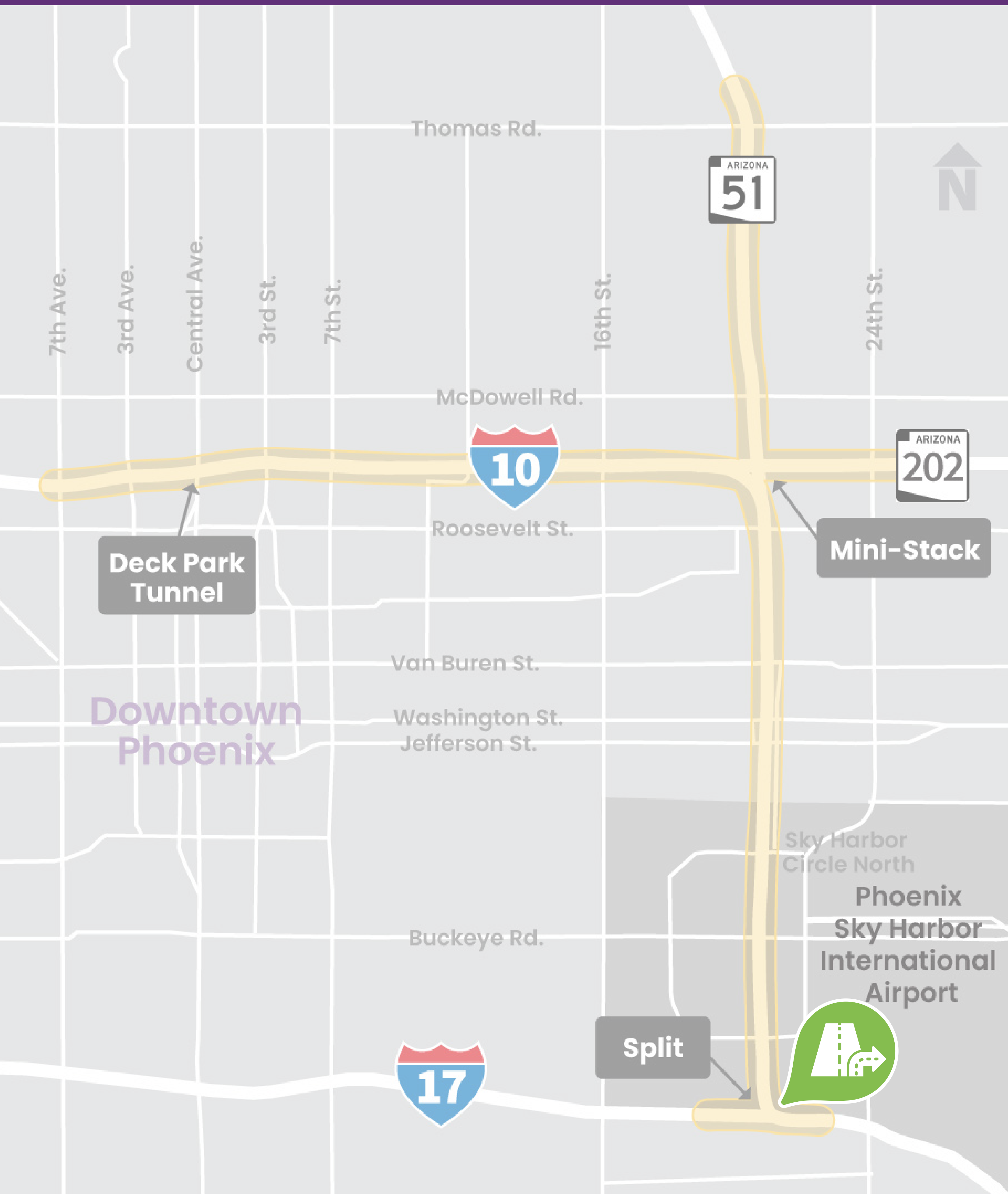
Create a new ramp connection to Sky Harbor Circle North on eastbound I-10.

- » Eliminates weaving between traffic entering from Jefferson Street with traffic exiting to Sky Harbor Boulevard
- » Improves traffic flow
- » Improves car rental return



Location of New Ramp/Connection:

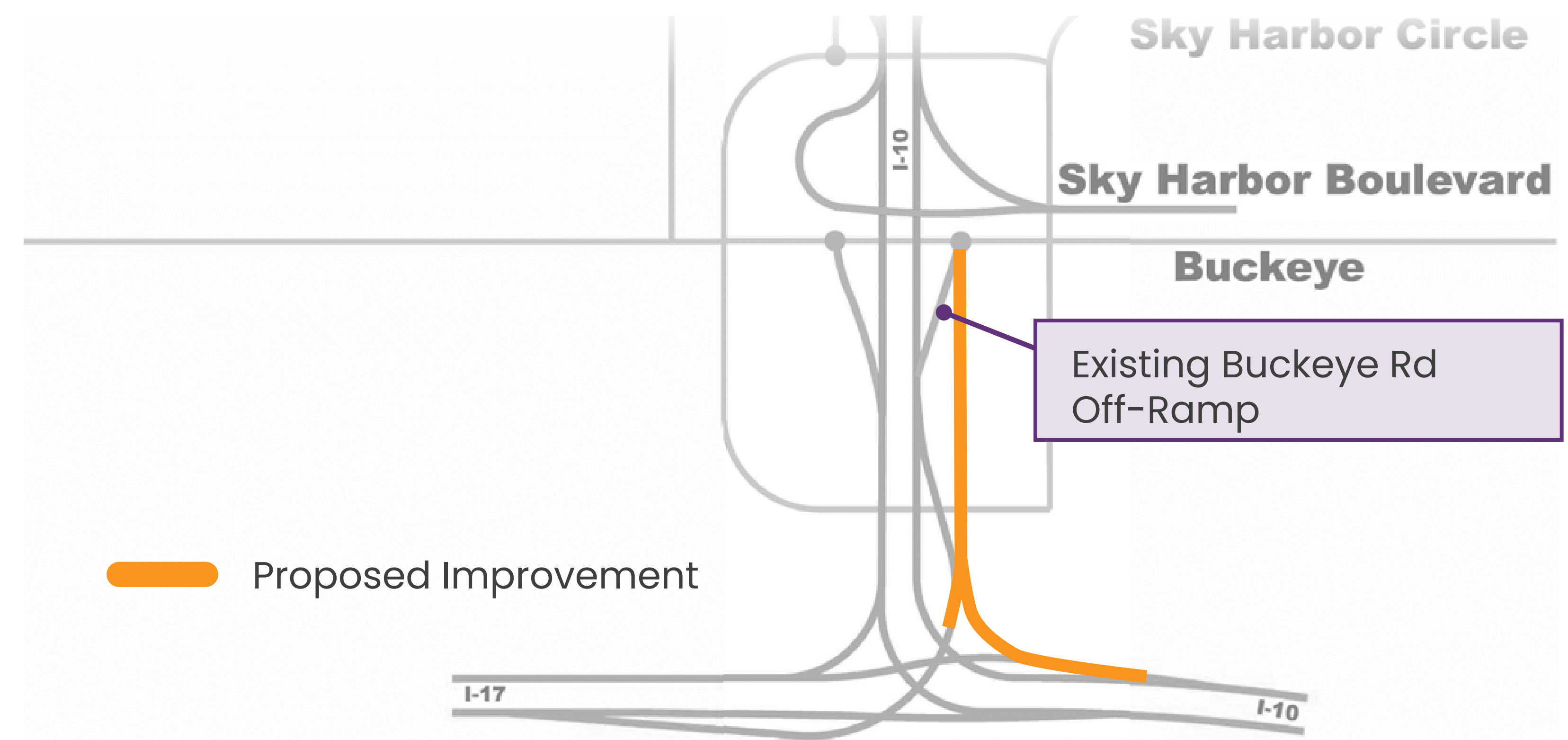
Eastbound I-10 between Jefferson Street on-ramp and Sky Harbor Boulevard off-ramp



Why is this needed?

Relocating off-ramp from westbound I-10 to Buckeye Road to the east.

- » Eliminates weaving from traffic exiting Buckeye Road weaving with traffic entering from southbound I-17
- » Improves traffic flow
- » Reduces speed differential



Location of Ramp Relocation:

Westbound I-10 between off-ramp to northbound I-17 and on-ramp from southbound I-17

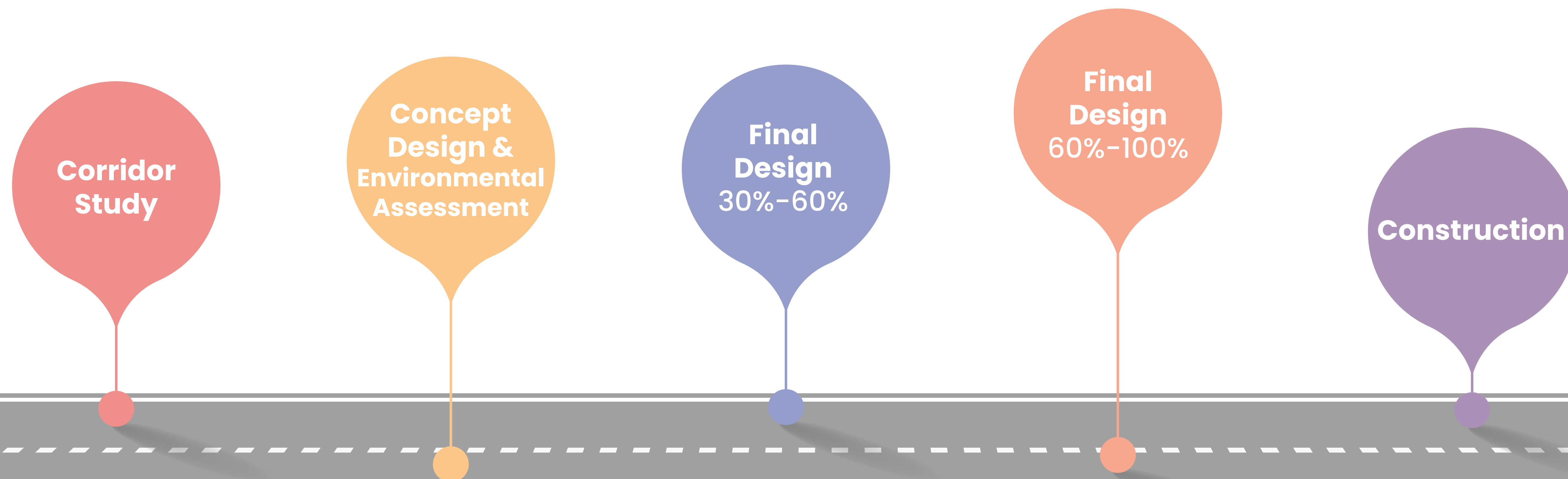
This study is only the beginning of the design process.

This study provides the framework for subsequent designs/analysis.

Known issues needing further design/analysis:

- » Accessing 7th Street from southbound State Route 51 via I-10
- » Accessing Sky Harbor Boulevard and Sky Harbor Circle from Jefferson Street
- » Designing the ramps to/from I-10 at the Broadway Curve
- » Modifying intersections at the corridor interchanges

There will be plenty more **public input opportunities** from **surrounding communities** as well as coordination with **Phoenix Sky Harbor International Airport's** future improvement plans.



NEXT STEPS

Provide your input by November 8, 2024:

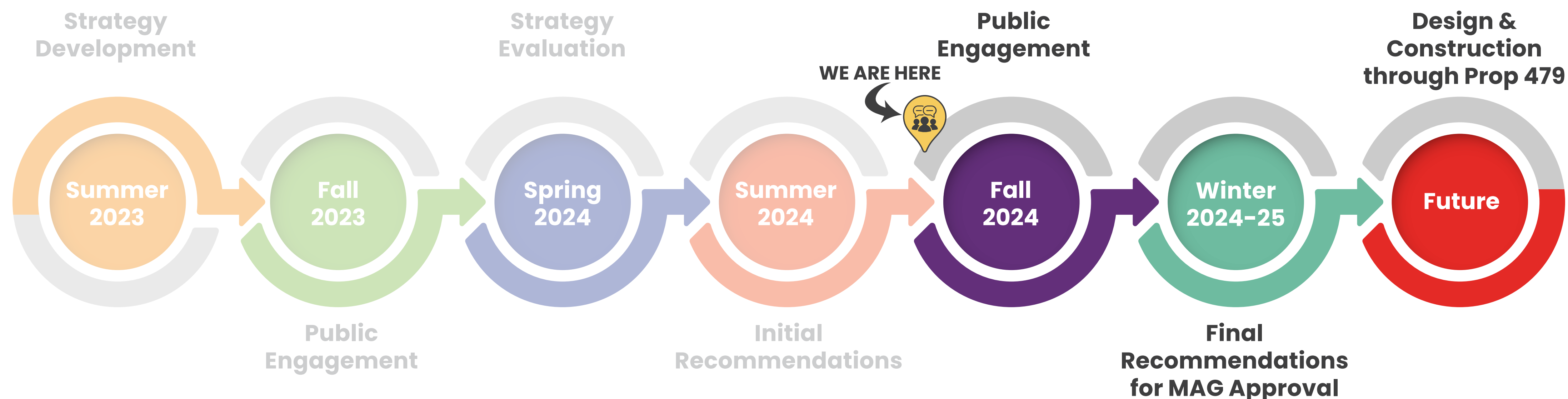


Take the online survey at
azmag.gov/I-10CorridorStudy



Complete the survey during
tonight's meeting

Next Steps:



Visit the website to:

- ✓ View the presentation recording and meeting materials
- ✓ Take the survey
- ✓ Sign up for updates

