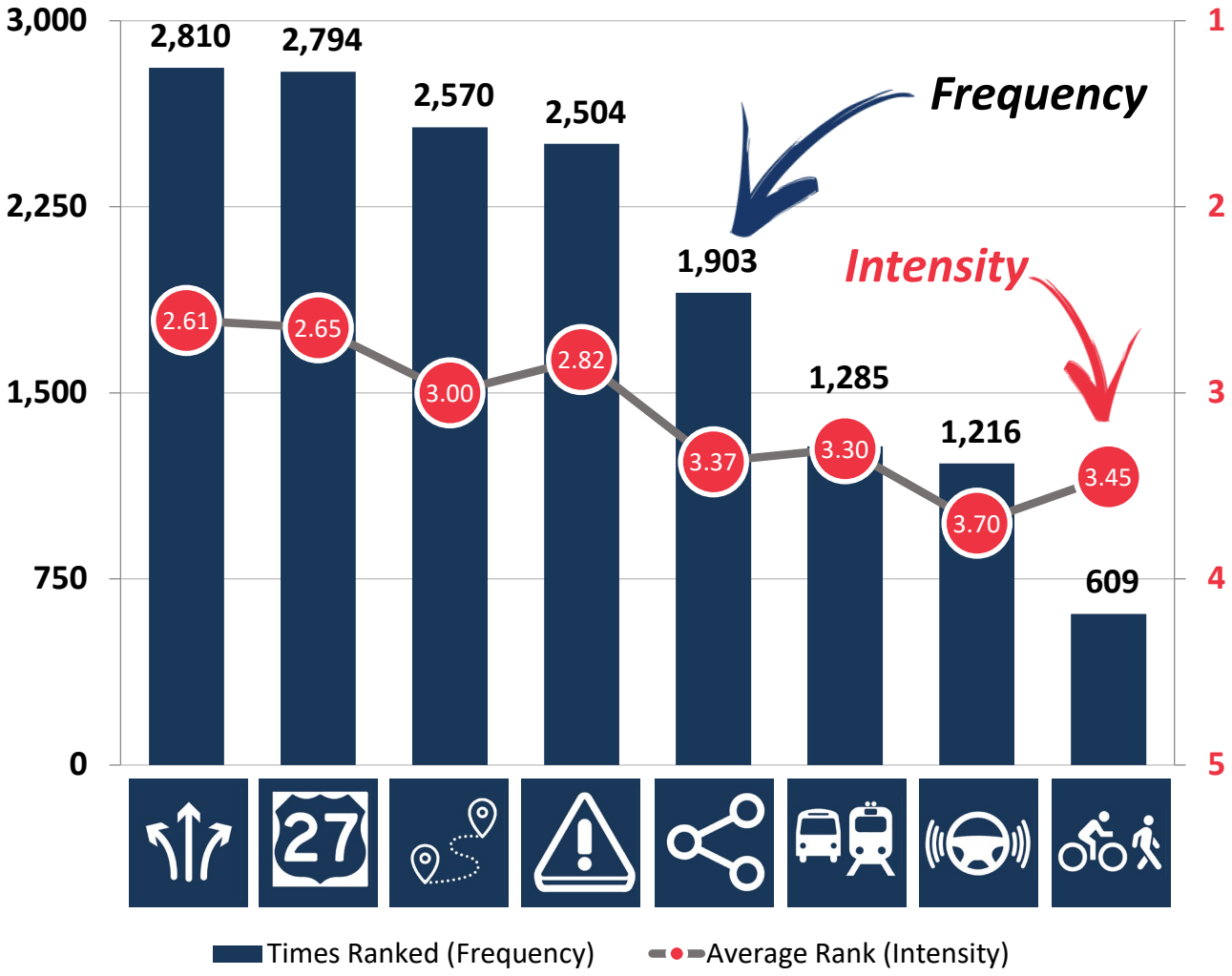
NORTHEAST POLK US 27 Mobility Study

# On Time with 27
# 2019 Survey

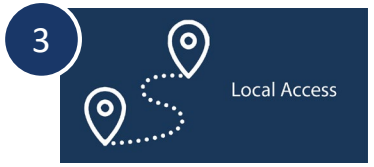
Results Summary

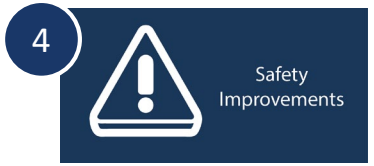
# PRIORITIES

These are some key elements of a successful transportation system. Participants were asked to identify which elements they believe were important to improving mobility in NE Polk County.

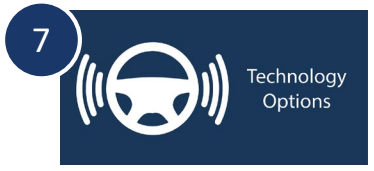


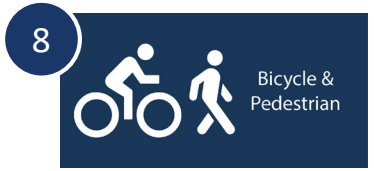





- **Alternative Routes** was ranked in the top 5 most often, and when ranked, received the highest average score.
- **Improvements to US 27** was a close second in both frequency and intensity of responses.
- While **Local Access** was ranked more often than **Safety Improvements**, it's average score was slightly lower.
- There's a clear distinction in the frequency of responses between the top 4 categories and the bottom four categories.
- The gap between frequency and intensity for **Bicycle & Pedestrian** suggests that while not everyone thought it was important, those that did thought it was very important.

STRATEGIES

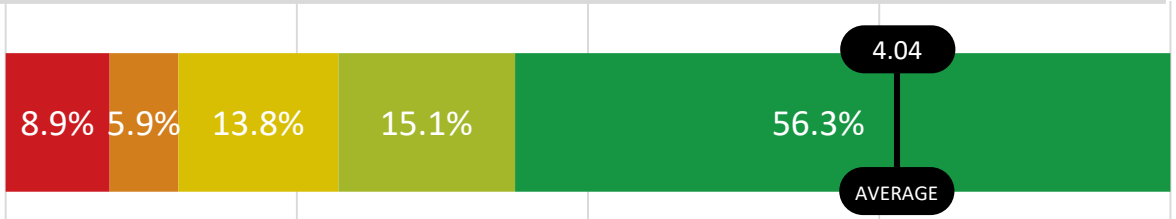
# ALTERNATIVE ROUTES

Focus on improvements on alternative routes other than US 27.

*On a scale of 1 to 5, how important is each strategy?*

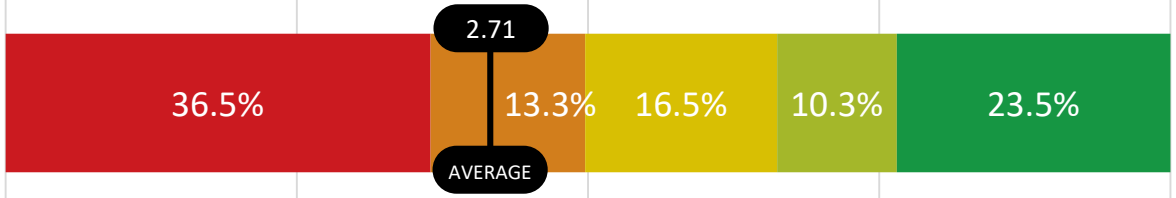

**Build a new major highway.**

Build a new major highway as an alternative route.




**Build a new toll road.**

Build a new toll road as an alternative route.




**Build a new local roadway.**

Build a new local roadway as an alternative route.


**Widen or extend existing roads.**

Widen or extend existing roads as an alternative route.

STRATEGIES

# IMPROVEMENTS TO US 27

Focus on making improvements to the US 27 corridor.

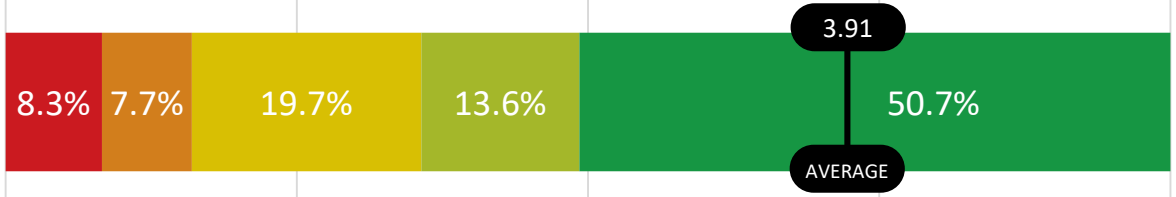
*On a scale of 1 to 5, how important is each strategy?*


**Improve intersections.**

Add or remove traffic signals. Add turn lanes.

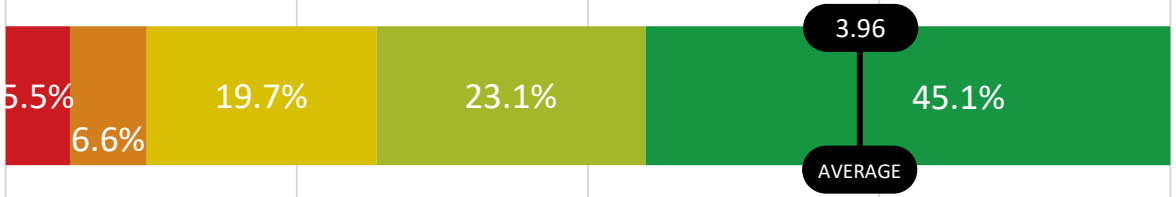

**Widen US 27.**

Widen US 27 with more travel lanes.

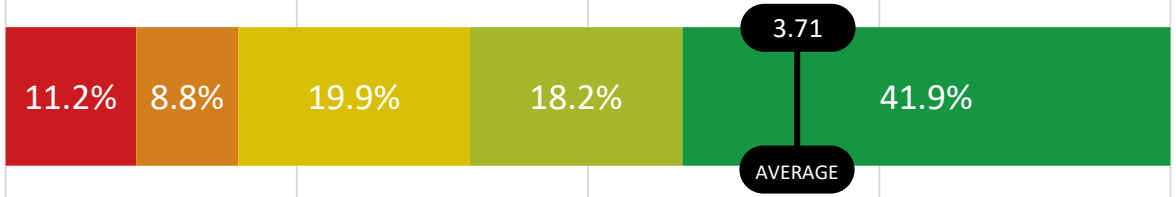



**Add frontage roads.**

Add frontage roads for local businesses.




**Build more overpasses.**



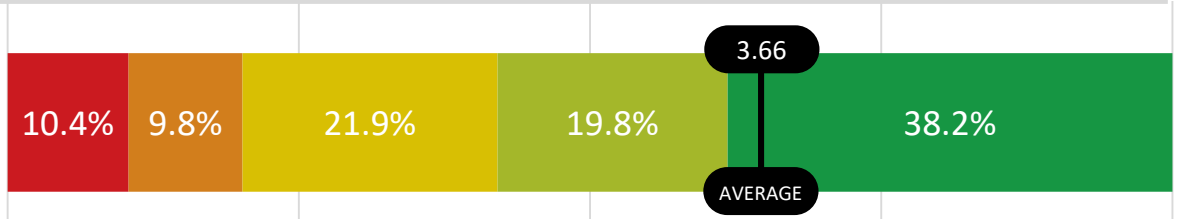
STRATEGIES

# LOCAL ACCESS

Focus on making local trips easier by improving roadway network connectivity.

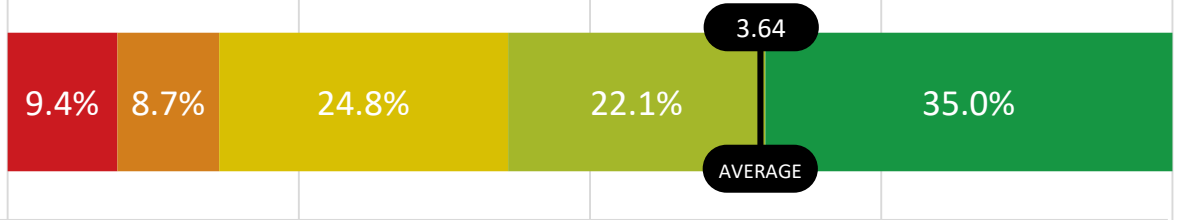
*On a scale of 1 to 5, how important is each strategy?*


**Connect adjacent neighborhoods.**




**Connect neighborhoods.**

Connect neighborhoods to adjacent businesses.




**Limit number of developments.**

Limit number of developments with single point access on US 27.


**Build roadway networks.**

Build roadway networks ahead of new development.

STRATEGIES

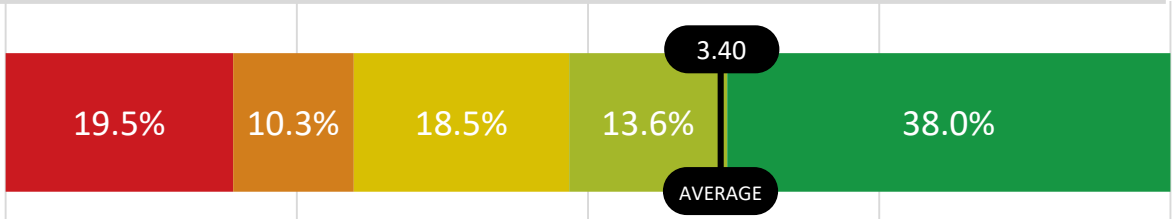
# SAFETY IMPROVEMENTS

Focus on reducing the frequency and severity of crashes.

*On a scale of 1 to 5, how important is each strategy?*

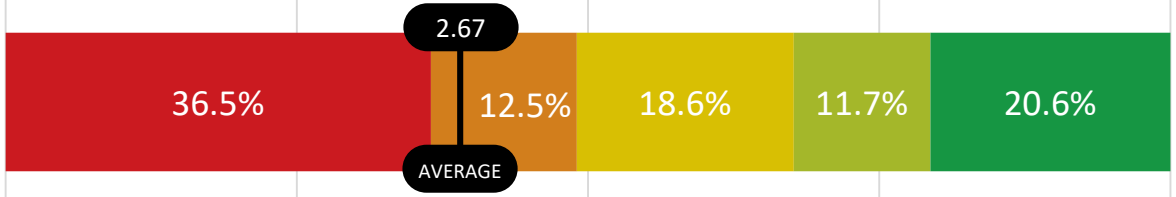

**Add traffic signals.**

Add traffic signals to improve access onto US 27.

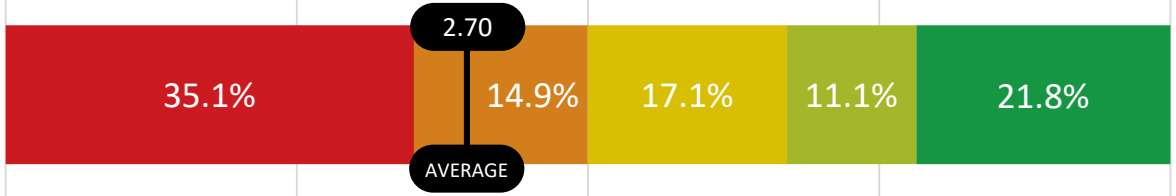



**Remove traffic signals.**

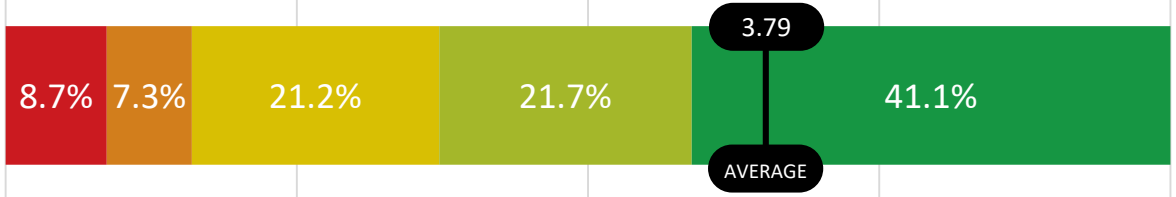
Remove traffic signals to decrease rear end accidents.




**Reduce speeds on US 27.**




**Fix sight distance issues.**

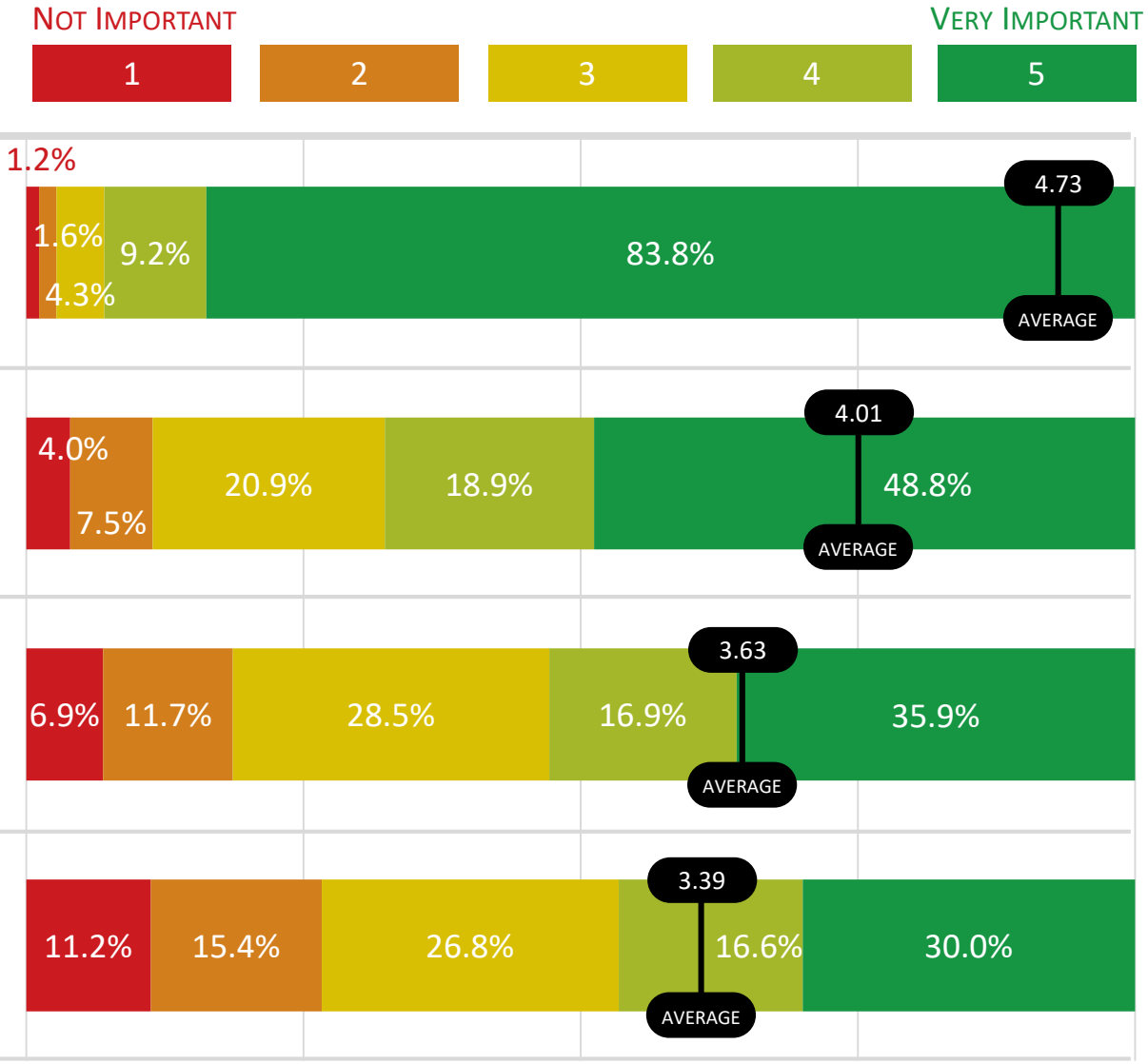


STRATEGIES

# REGIONAL CONNECTIONS

Focus on improving long distance travel by enhancing regional connections.

*On a scale of 1 to 5, how important is each strategy?*




**East to/from Orlando.**

Improve regional connections to the east to/from Orlando.

**West to/from Tampa.**

Improve regional connections to the west to/from Tampa.

**North to/from Florida's Turnpike.**

Improve regional connections to the north to/from Florida's Turnpike.

**South to/from South Florida.**

Improve regional connections to the south to/from South Florida.

STRATEGIES

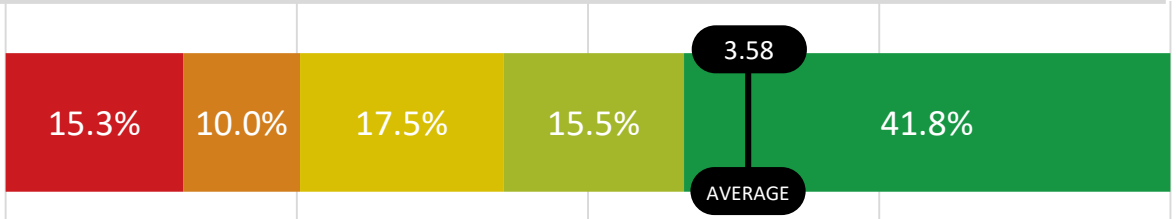
# TRANSIT

Focus on providing better transportation choices by improving other motorized travel modes.

*On a scale of 1 to 5, how important is each strategy?*

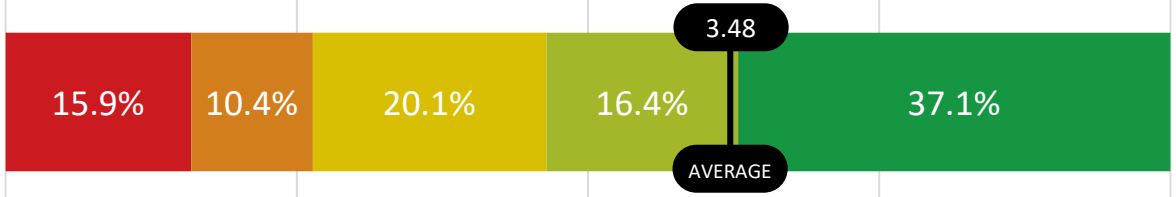

**Expand local bus service.**

Expand existing local bus service coverage area.



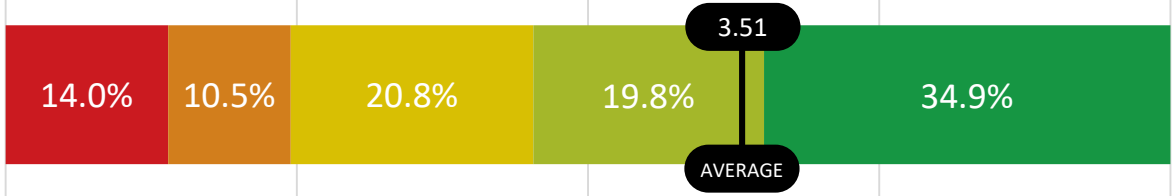

**Increase bus frequency.**

Increase bus frequency to reduce wait times.




**Premium transit service like BRT.**

Provide premium transit service like Bus Rapid Transit (BRT).




**Premium transit service like SunRail.**

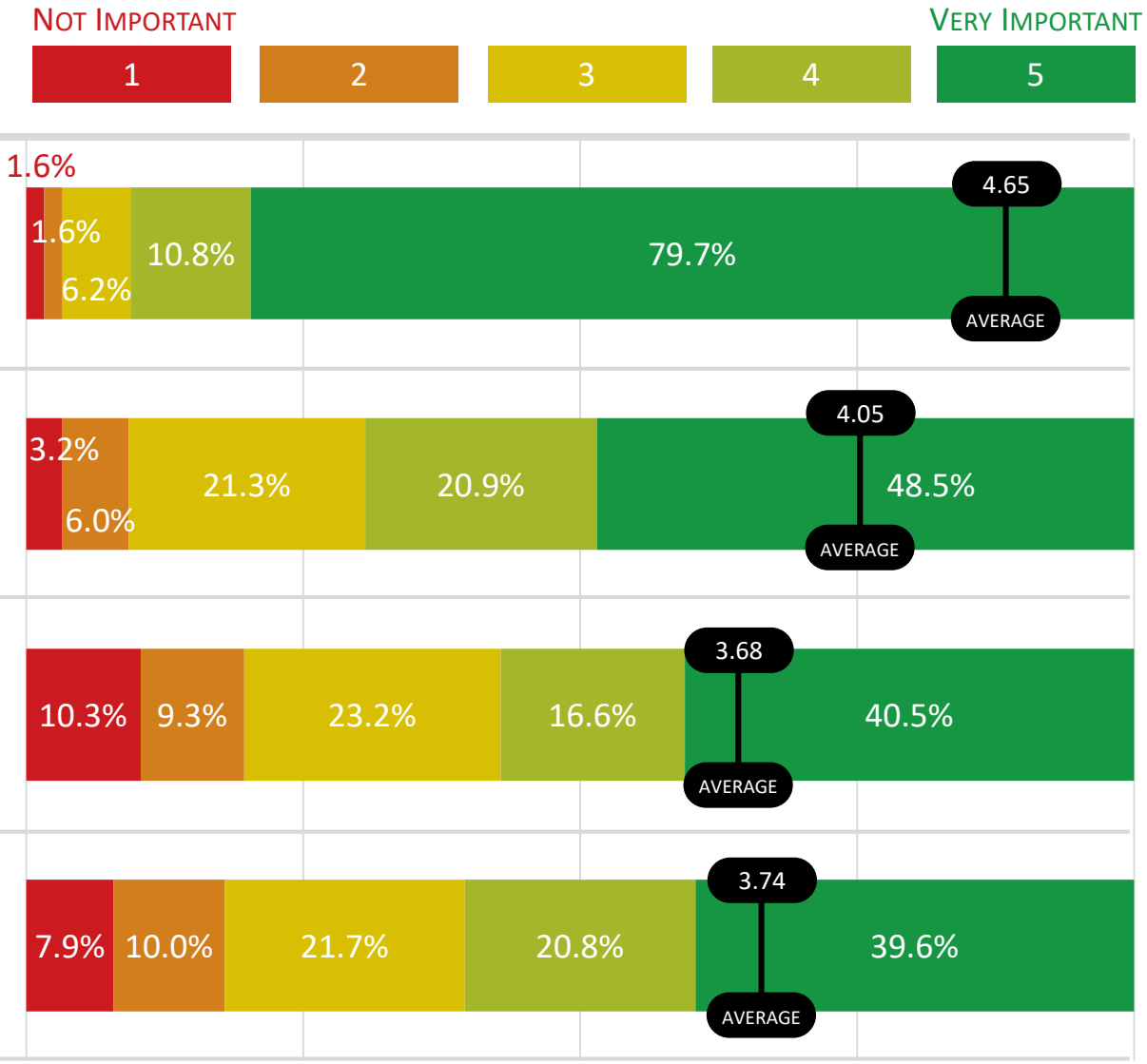
Provide premium transit service like SunRail.

STRATEGIES

# TECHNOLOGY OPTIONS

Use technology enhancements to improve the way US 27 functions.

*On a scale of 1 to 5, how important is each strategy?*




**Improve traffic signals.**

Improve traffic signal timing/ coordination.

**Improve accident detection.**

Improve accident detection and response.

**Enhance infrastructure.**

Enhance infrastructure for automated/connected vehicles.

**Provide variable message signs.**

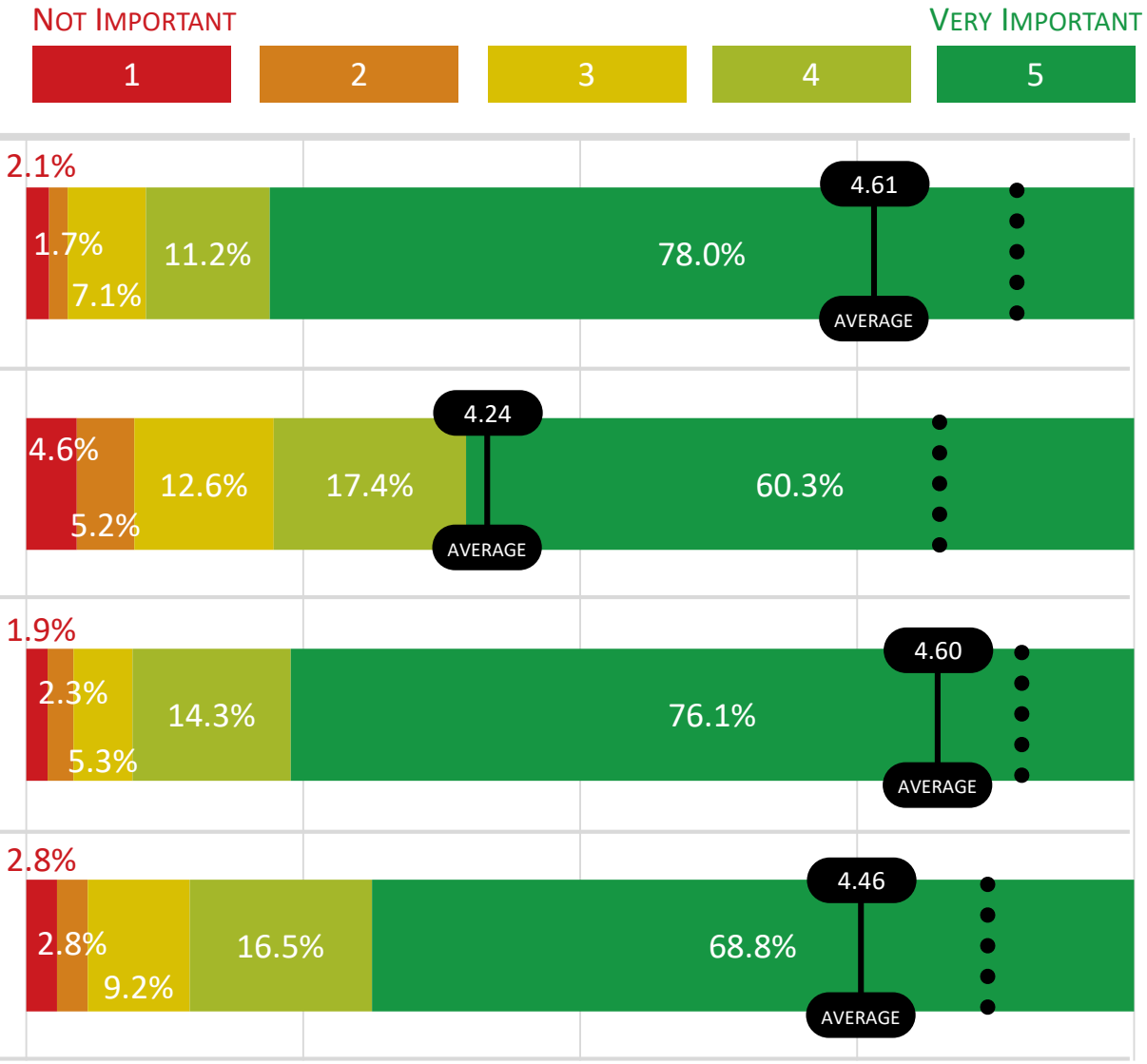
Provide variable message signs reporting accurate travel times.

STRATEGIES

# BICYCLE & PEDESTRIAN

Focus on improving non-motorized travel options, including facilities such as bike paths and sidewalks.

*On a scale of 1 to 5, how important is each strategy?*




**Complete sidewalk network.**

Complete the sidewalk network along US 27.

**Complete bicycle lane network.**

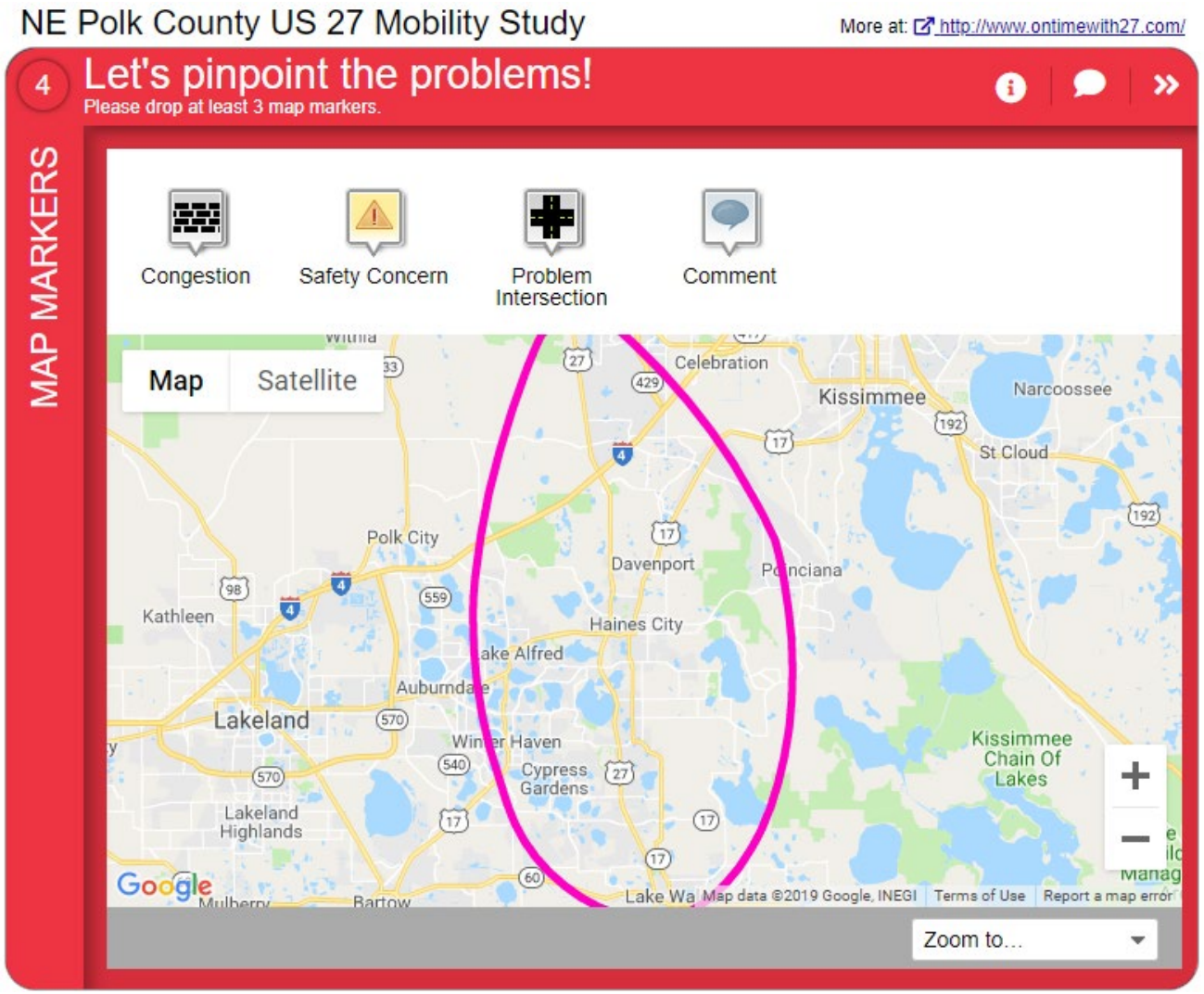
Complete the bicycle lane network along US 27.

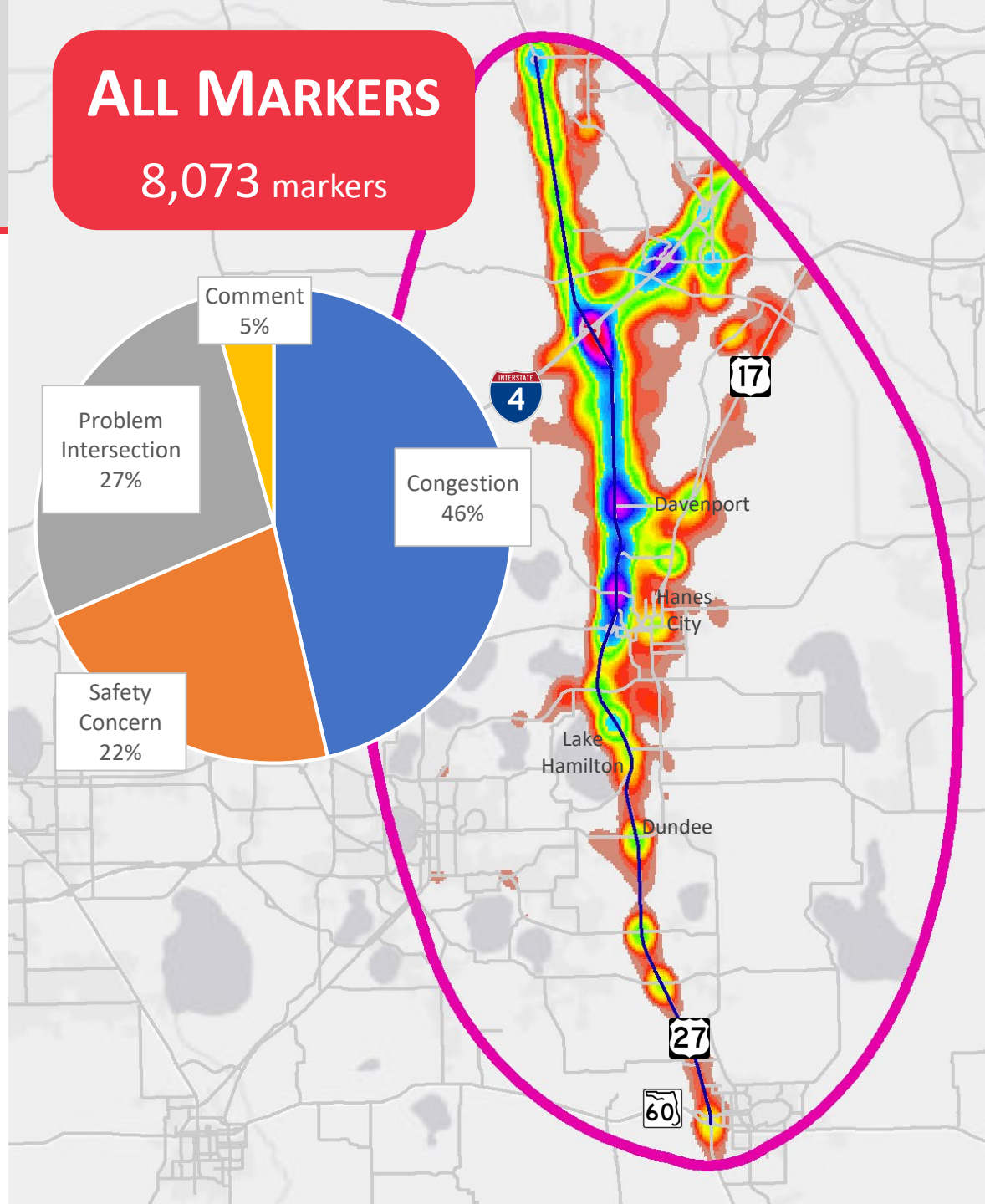
**Improve safety for walking.**

**Improve safety for bicycling.**

MAPPING

The Map Markers Screen asked participants to pinpoint problems along the corridor by dropping map markers on a Google map interface. Optional dropdown questions were asked for each map marker dropped. The summary the follows shows the density of map markers dropped by marker type.

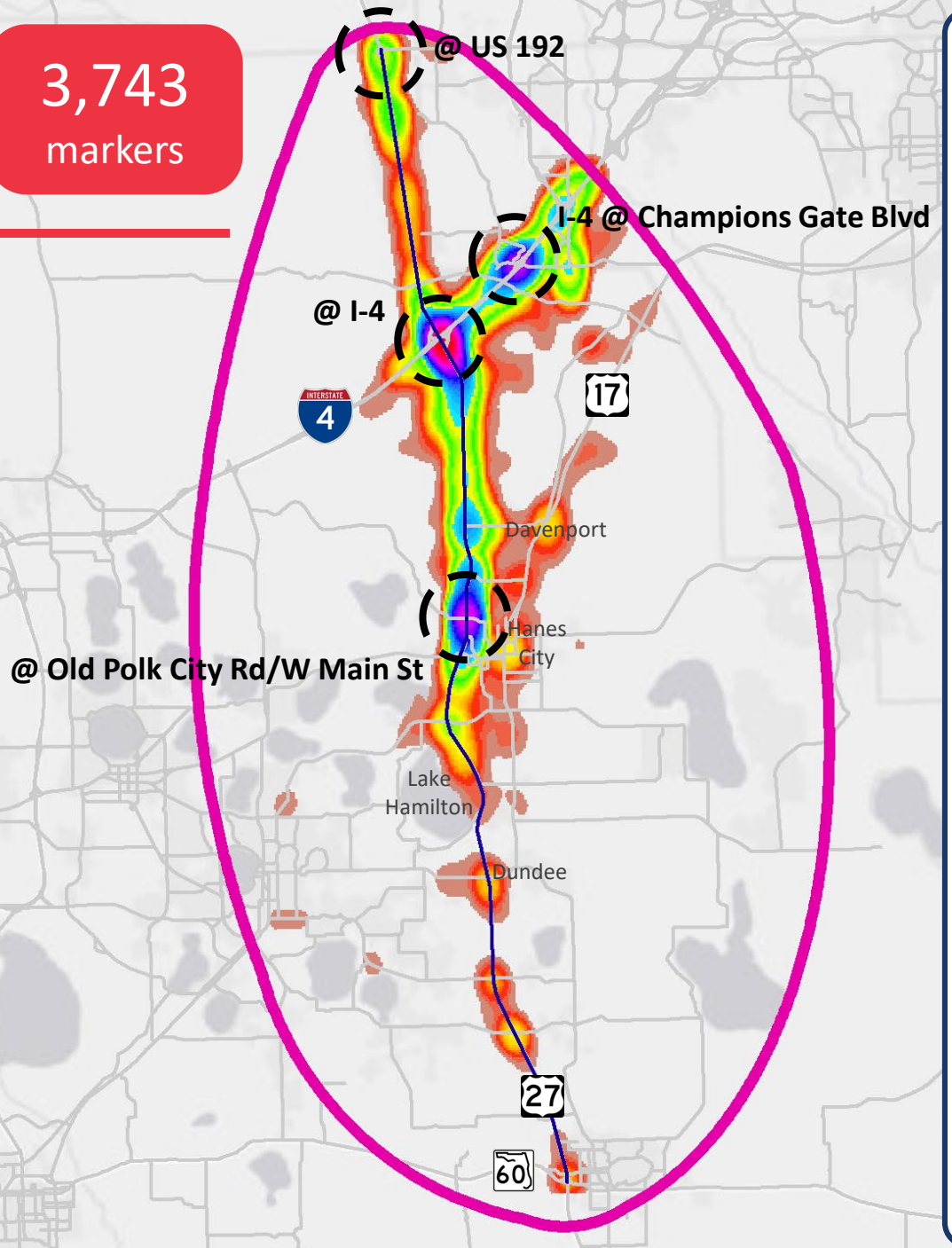


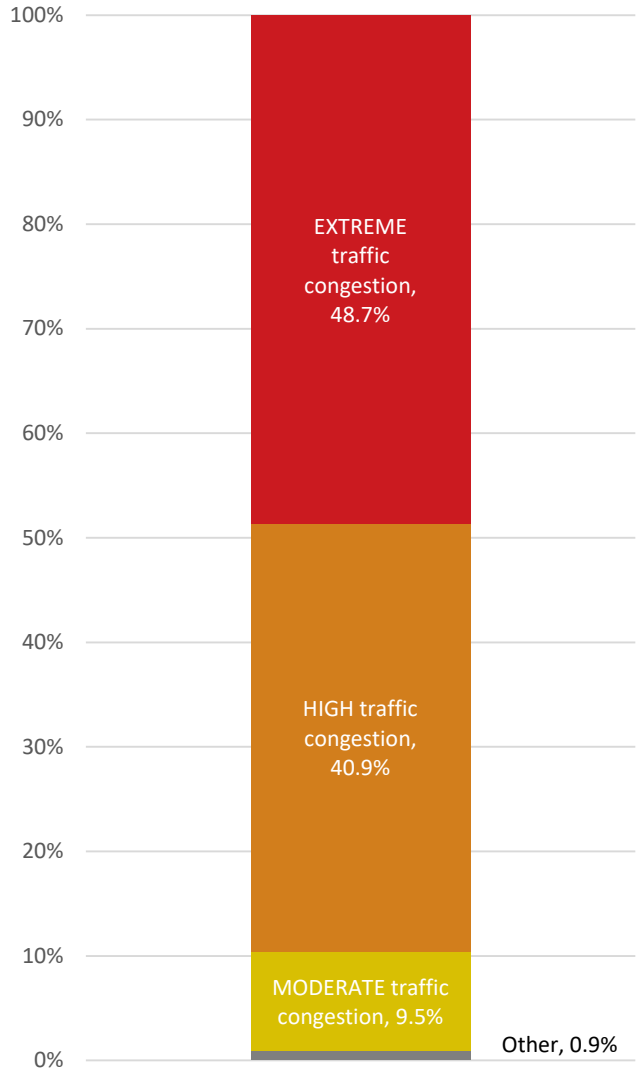
MAPPING

# CONGESTION

3,743 markers



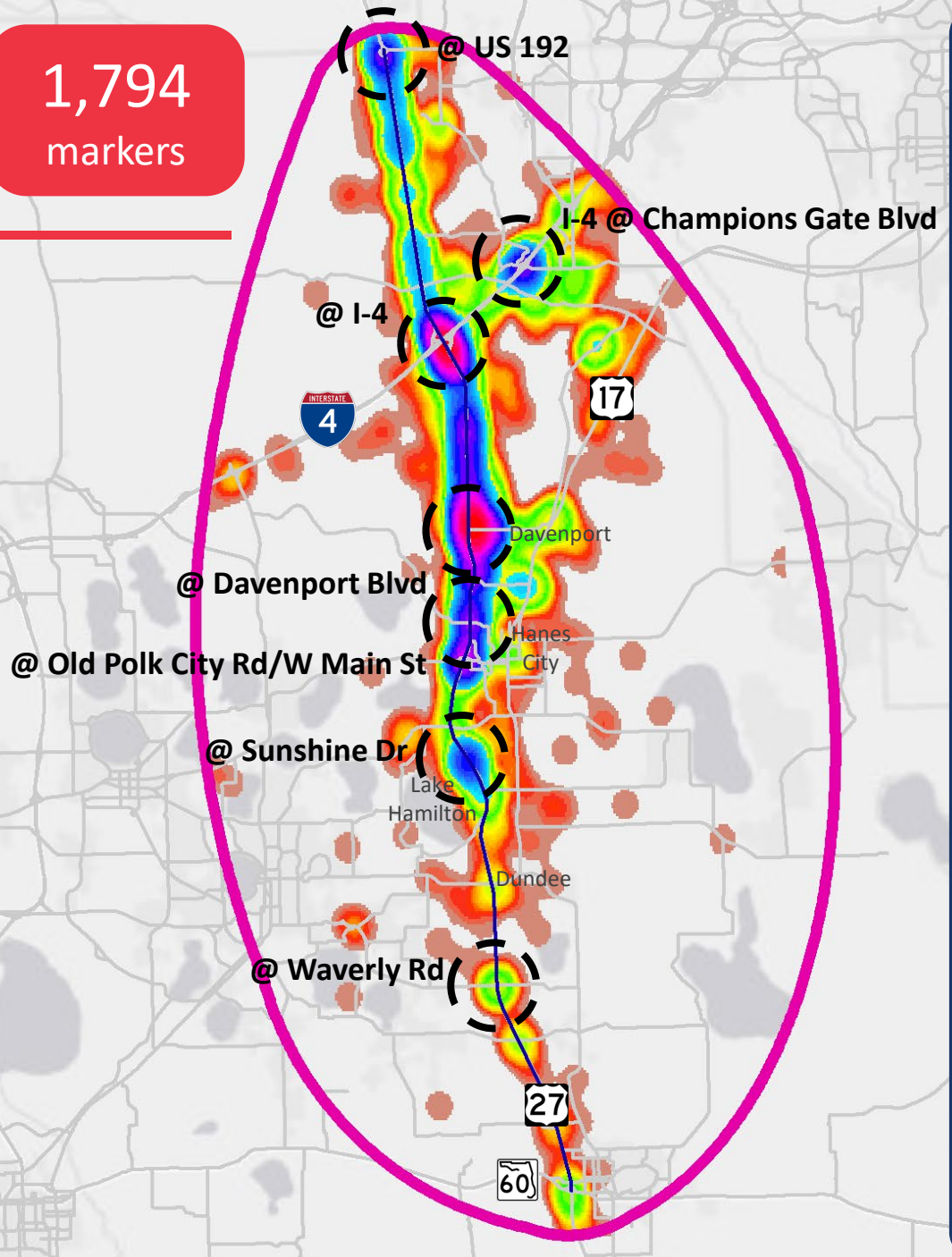

For each CONGESTION map marker they dropped on the map, participants were asked how bad congestion was at that location.



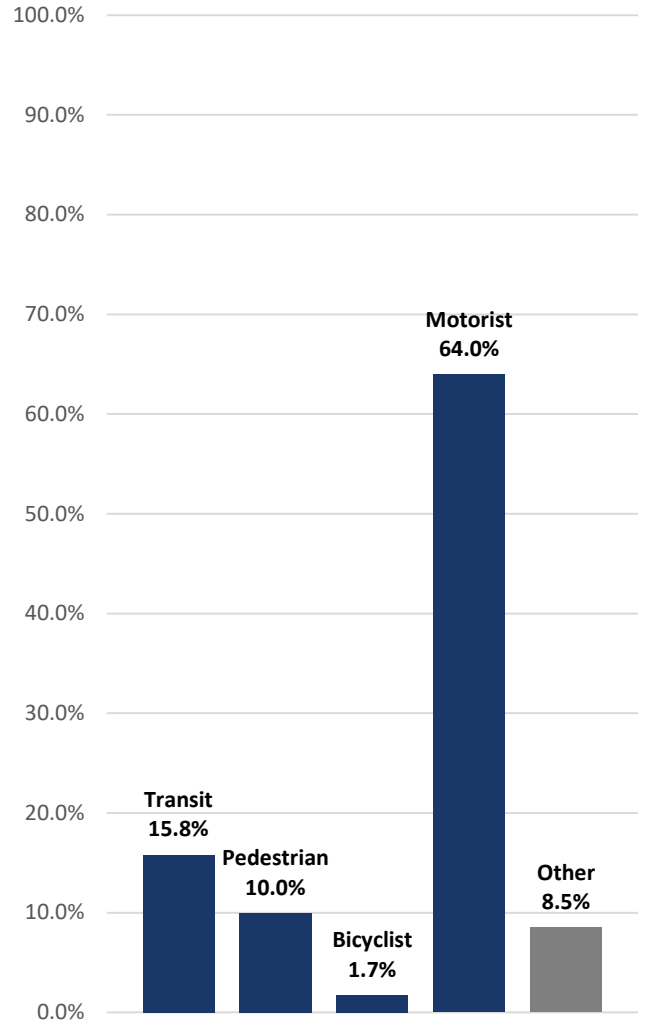
MAPPING

# SAFETY CONCERN

1,794 markers



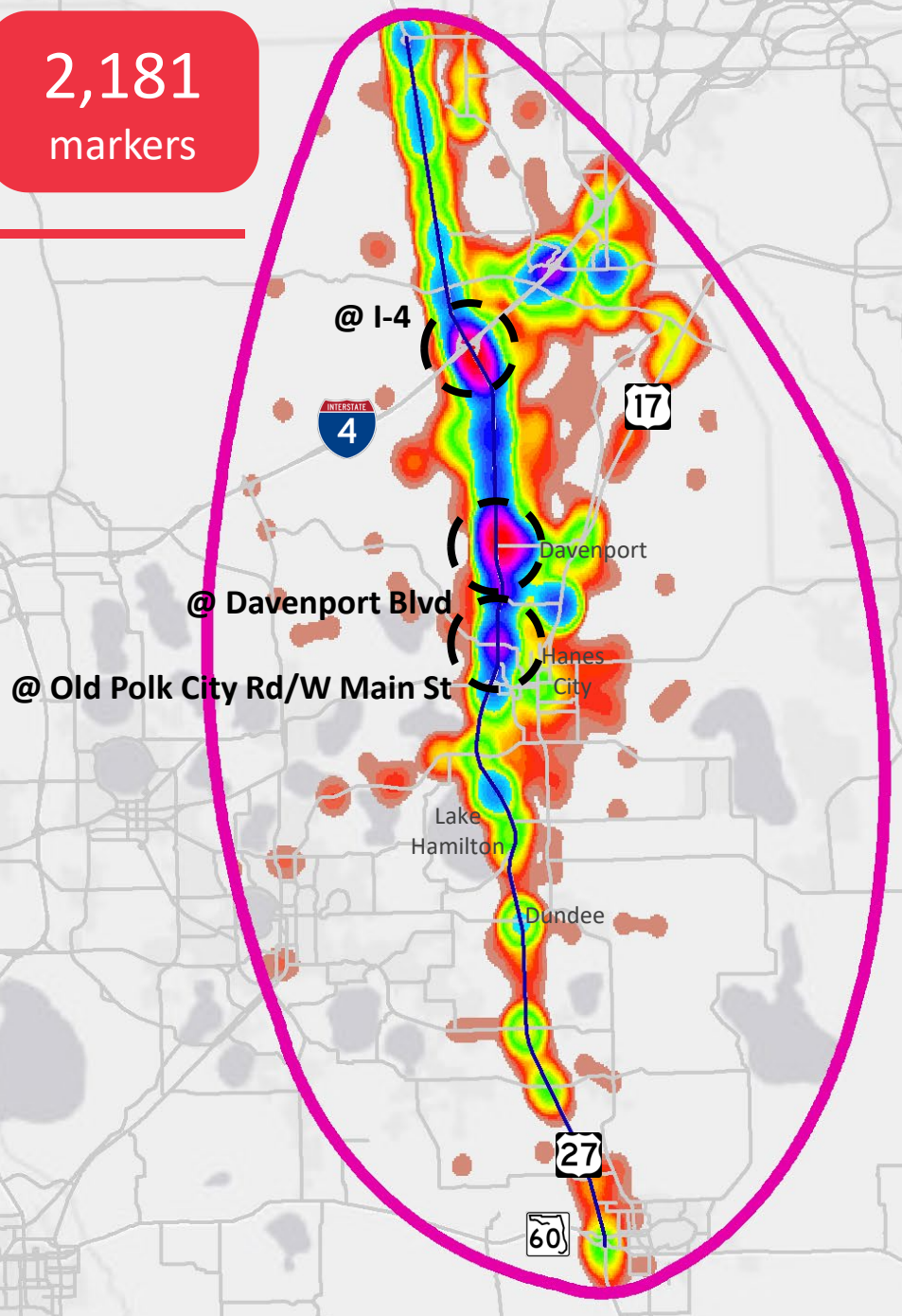

For each SAFETY CONCERN map marker they dropped on the map, participants were asked to identify the type of safety concern at that location.



MAPPING

# PROBLEM INTERSECTION

2,181 markers




For each PROBLEM INTERSECTION map marker they dropped on the map, participants were asked to identify what was needed at that location.