

BUS LANE FEASIBILITY STUDY

STAKEHOLDER ADVISORY COMMITTEE MTG #3



AGENDA

- Update on Progress to Date
- Phase I Survey Results
- Corridor Analysis Results
- Next Steps



PROGRESS TO DATE

- **Task 1: Project Management**
 - Ongoing coordination
- **Task 2: Review and Assess Previously Completed Plans and Capital Projects**
 - Completed
- **Task 3: Baseline Corridor Assessment and Prioritization**
 - Analyzed existing conditions
 - Identified 12 potential priority segments
 - Evaluated, weighted, and scored all 12

PROJECT SCOPE AND SCHEDULE OVERVIEW

- **Task 4: Concept Design**
 - *Upcoming task*
- **Task 5: Public Engagement**
 - Completed Phase I outreach
 - Completed Phase I survey
 - Completed Draft Phase I survey report



PHASE I SURVEY

Results and Key Takeaways

PHASE I SURVEY REVIEW

■ Outreach and Engagement

- Five pop-up events
- Two webinars
- Press releases, emails, stakeholder assistance, and social media

■ Metroquest Survey

- Asked about user experience and travel behavior
- Asked about transportation preferences (tradeoffs)
- Mapping exercise

The screenshot displays a survey interface for 'Your Experience' with a dark red header and a white content area. The header includes a back arrow, the title '2 Your Experience', a subtitle 'Help us understand why you choose to take certain modes of transportation and not other modes.', and navigation icons. A vertical sidebar on the left contains the text 'About the Bus Lane Study' and 'Your Experience'. A vertical sidebar on the right contains 'Transportation Preferences', 'Map Exercise', and 'About You'. The main content area is divided into three sections: 'How You Get Around' (highlighted in yellow), 'Influencing Factors', and 'Buses in the Capital Region'. The 'How You Get Around' section features a cityscape image and asks about bus riding frequency and trip purposes. The 'Influencing Factors' section is currently empty. The 'Buses in the Capital Region' section asks if the user has ever ridden the bus in the region, with 'Yes', 'No', and 'N/A - I typically ride the bus' options. A progress indicator at the bottom of the 'How You Get Around' section shows three dots, with the first dot filled. A progress indicator at the bottom of the 'Buses in the Capital Region' section shows six empty dots. A share icon is located in the bottom right corner of the survey area.

2 Your Experience
Help us understand why you choose to take certain modes of transportation and not other modes.

About the Bus Lane Study
Your Experience

How You Get Around

Think about the travel choices you make.

How often do you typically ride the bus?
Select...

What is the purpose of your trips when you ride the bus? (Select all that apply.)

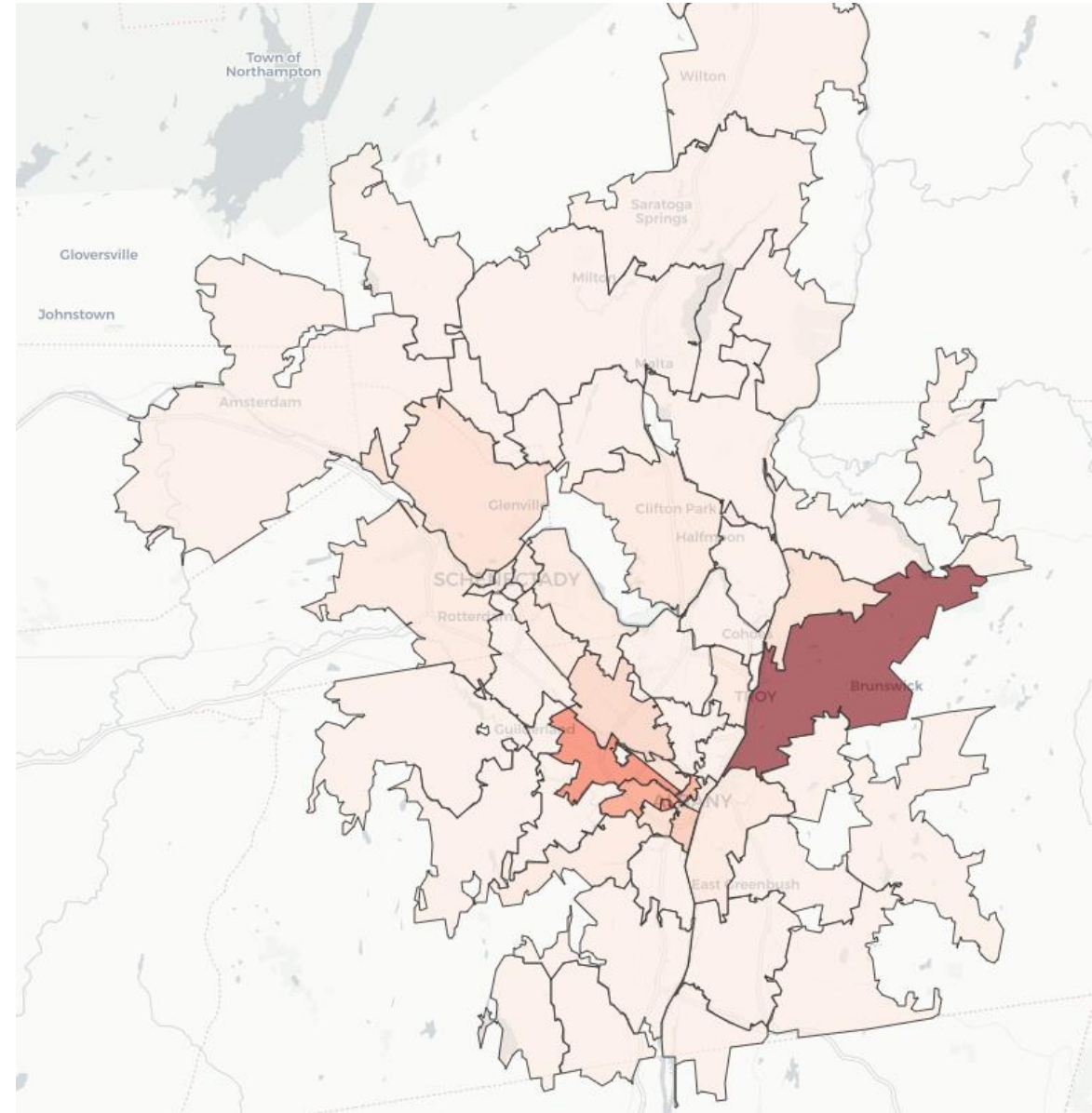
N/A - I do not take the bus Work
 School Shopping or errands
 Visiting friends or family Medical or other appointment
 Events (e.g., concerts, festivals, farmer's markets)

If you do not typically ride the bus, have you ever ridden the bus in the Capital Region?
Yes No N/A - I typically ride the bus

Transportation Preferences
Map Exercise
About You

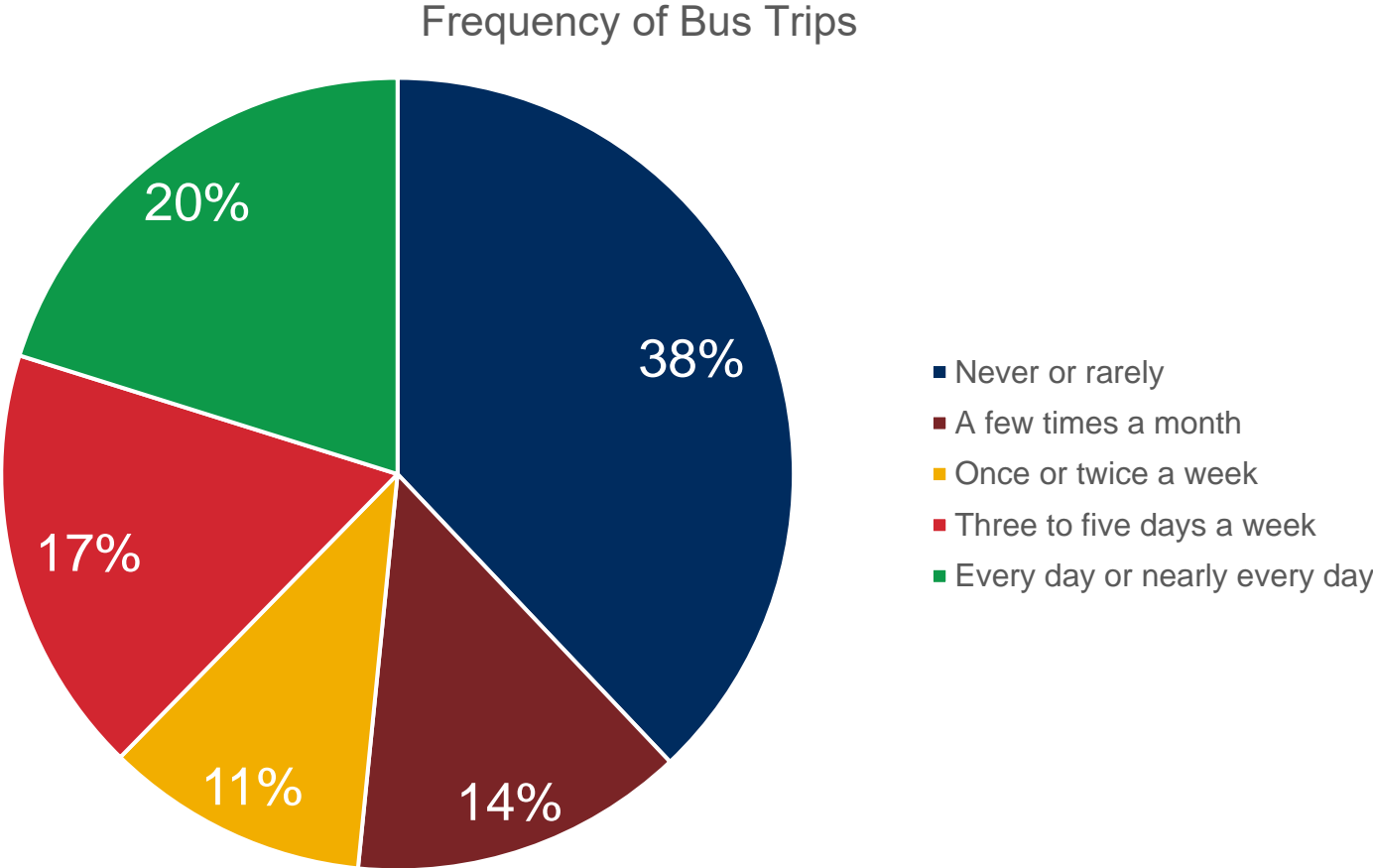
PHASE I SURVEY RESULTS

- 836 total respondents
 - Good geographic distribution
 - More respondents in areas with denser populations
 - Troy residents provided strong response after direct email
 - Uptick in participation after Mayor's Instagram post
 - Demographically the respondents closely match the region as a whole



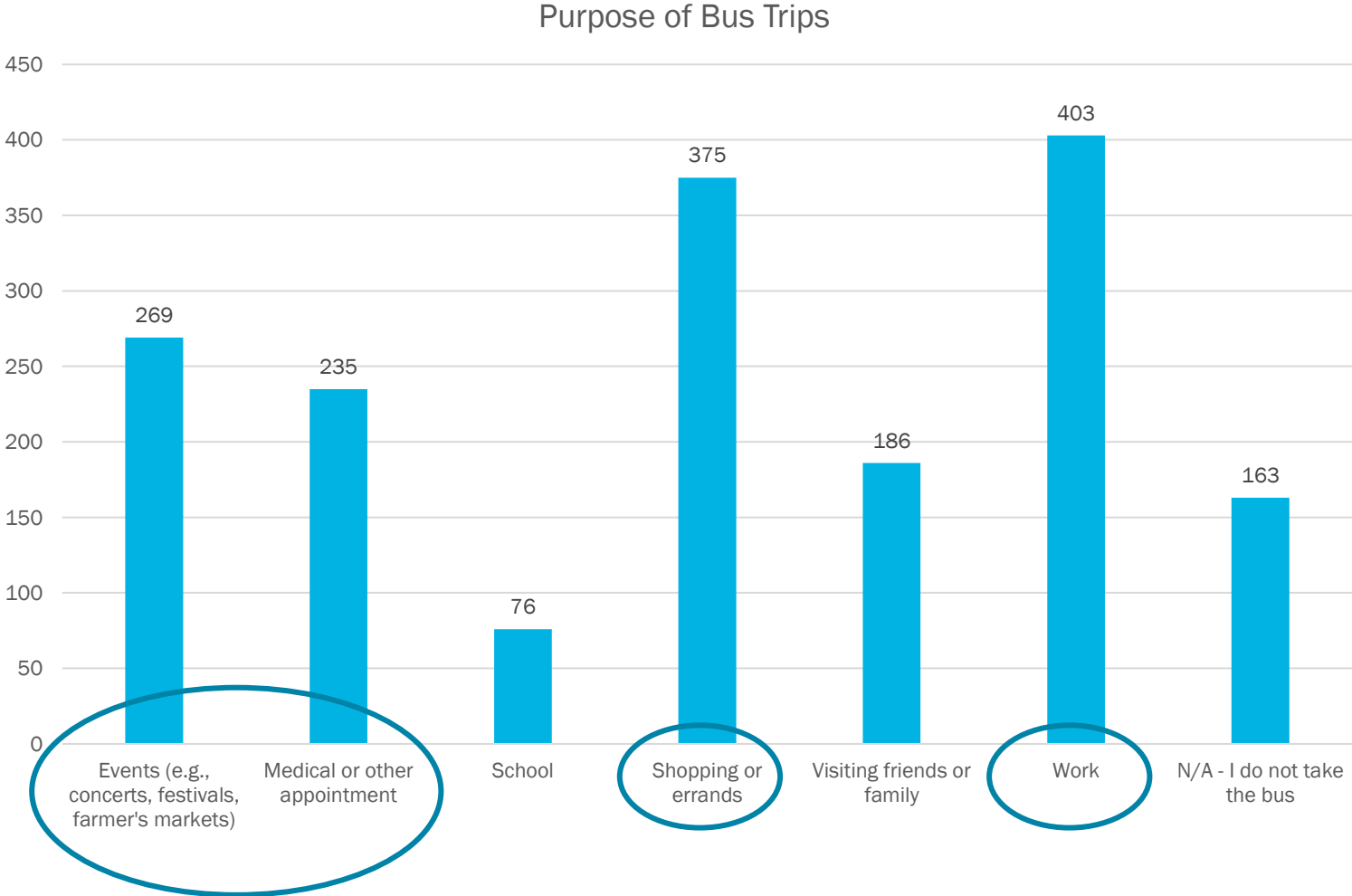
PHASE I SURVEY RESULTS

- Frequency of Bus Trips



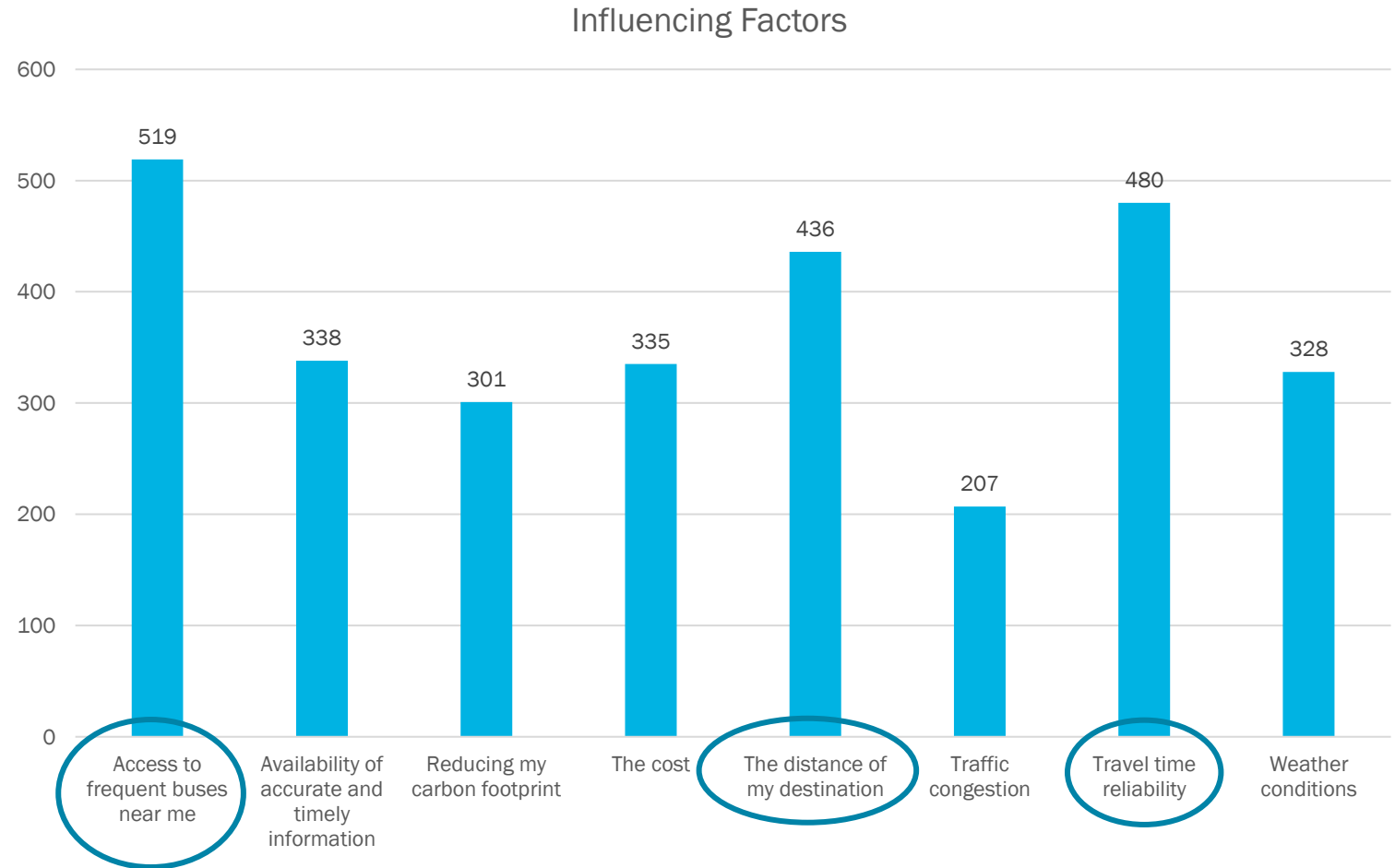
PHASE I SURVEY RESULTS

- Purpose of Trips



PHASE I SURVEY RESULTS

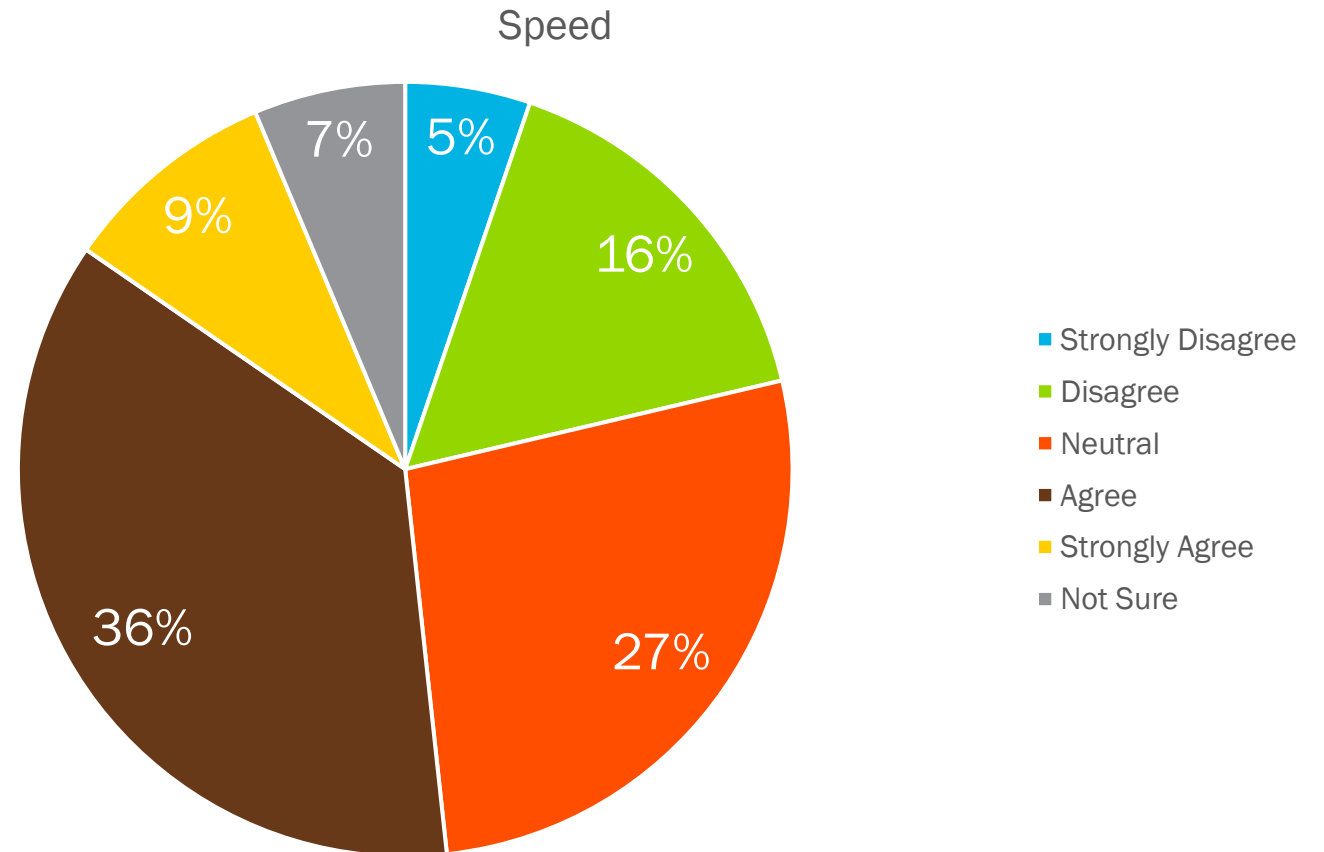
■ Purpose of Trips



PHASE I SURVEY RESULTS

Existing Service

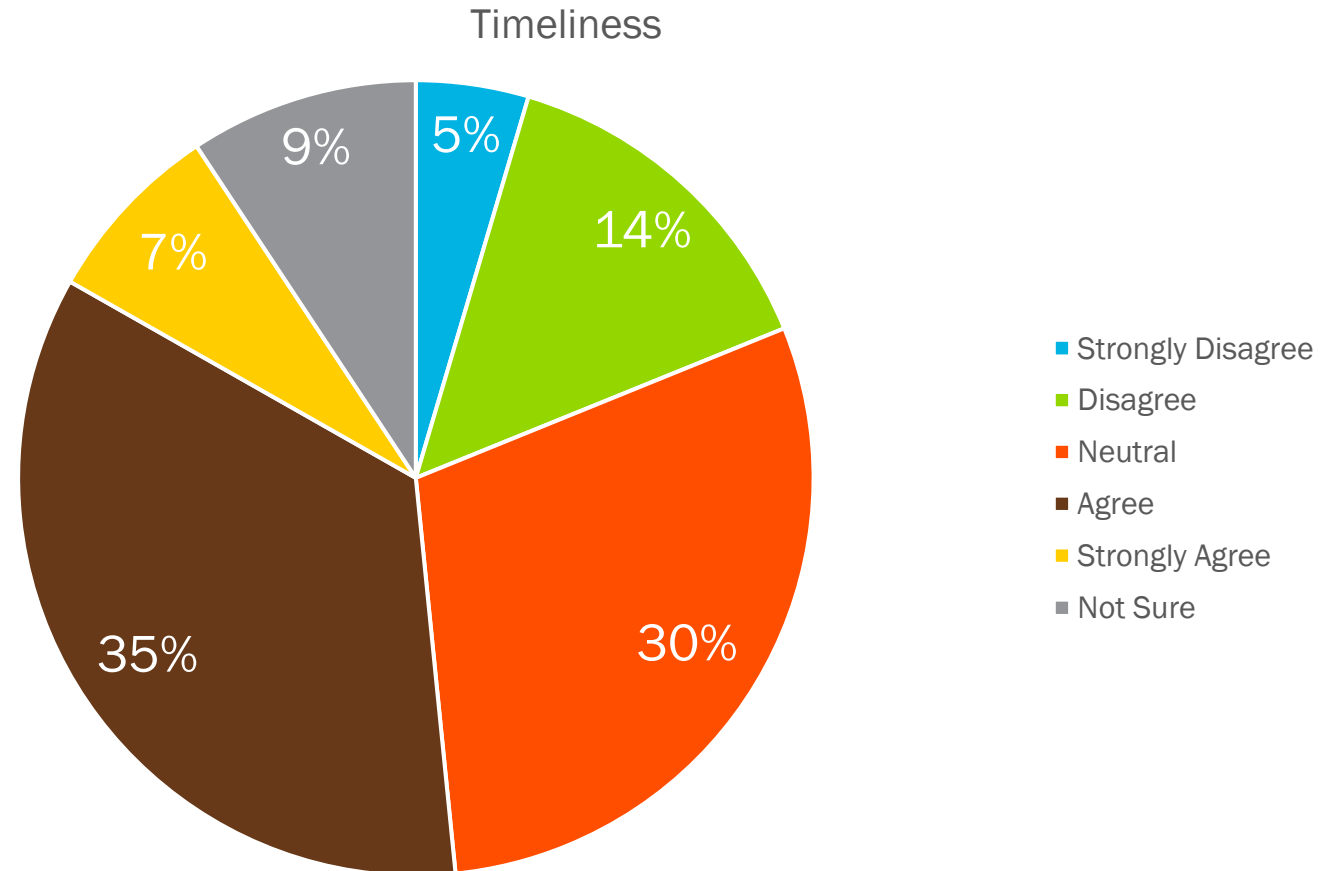
- Coverage, Span, Frequency
- Speed
- Timeliness, Congestion



PHASE I SURVEY RESULTS

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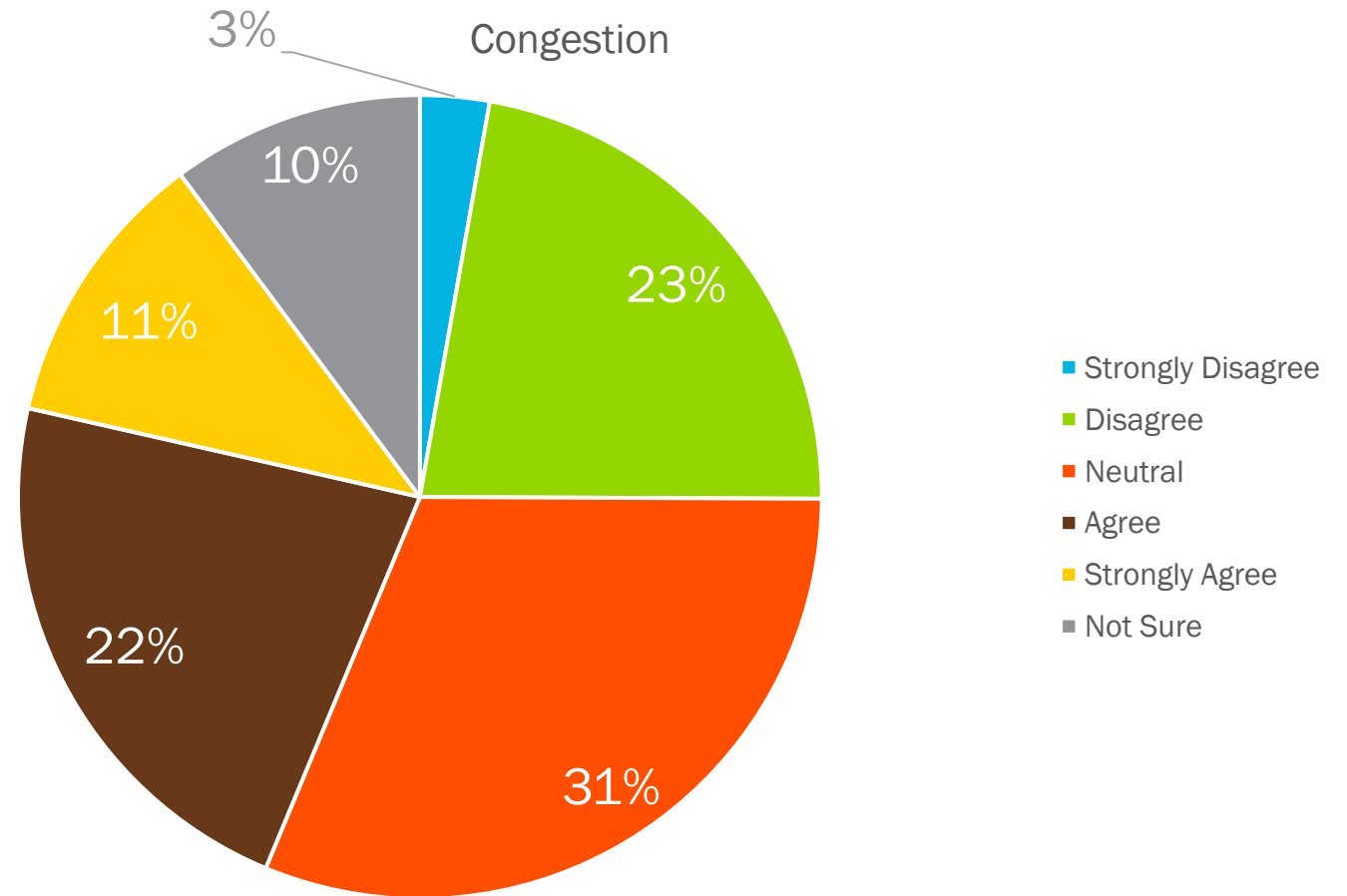
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PHASE I SURVEY RESULTS

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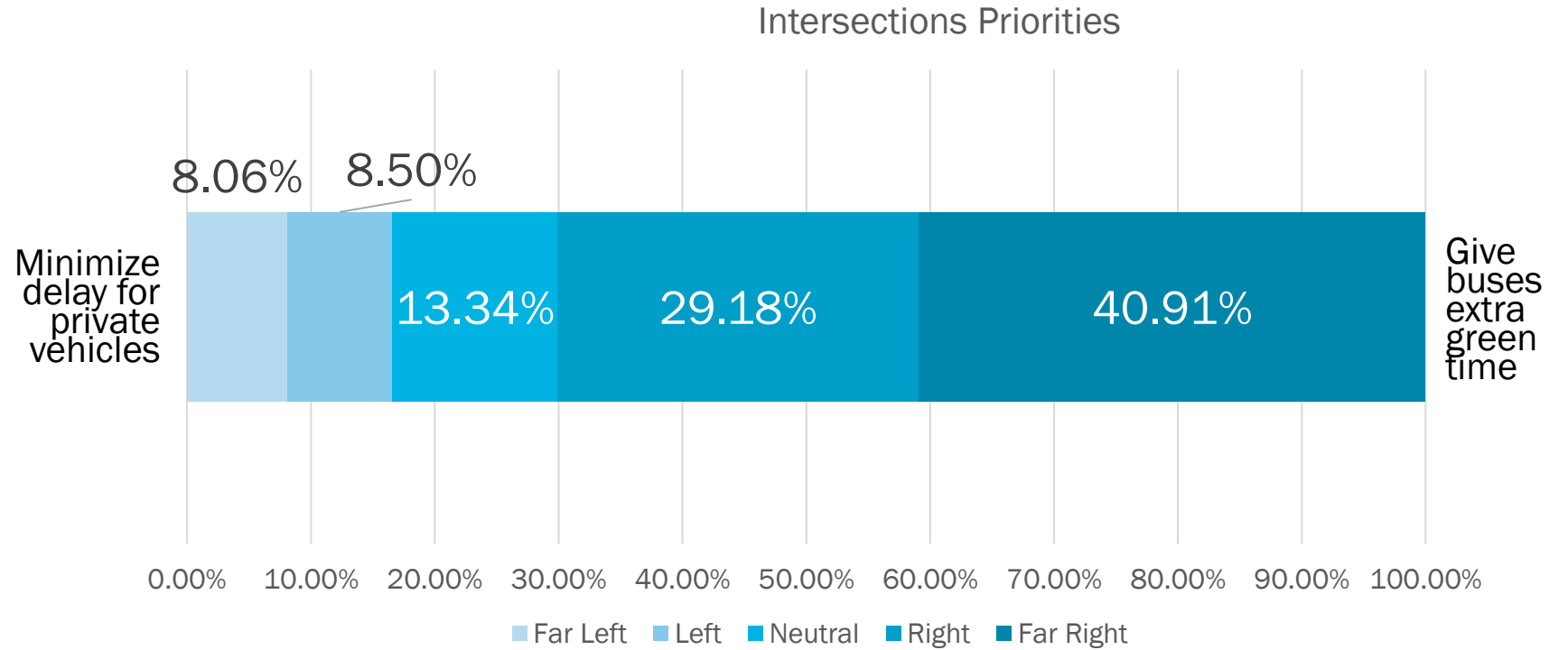
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PHASE I SURVEY RESULTS

Transportation Preferences

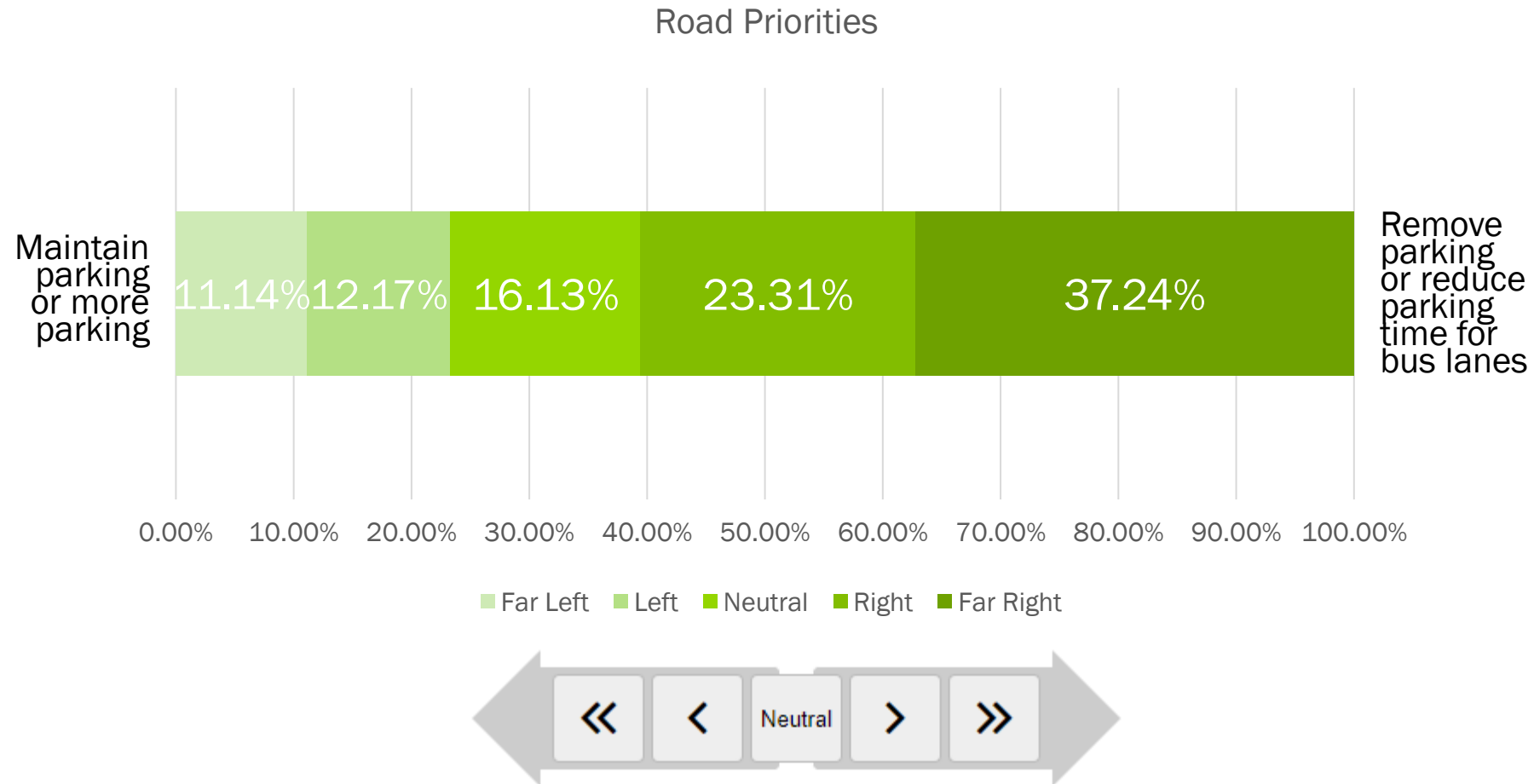
- Intersections
- Road Priorities
- Spending
- Transit



PHASE I SURVEY RESULTS

■ Transportation Preferences

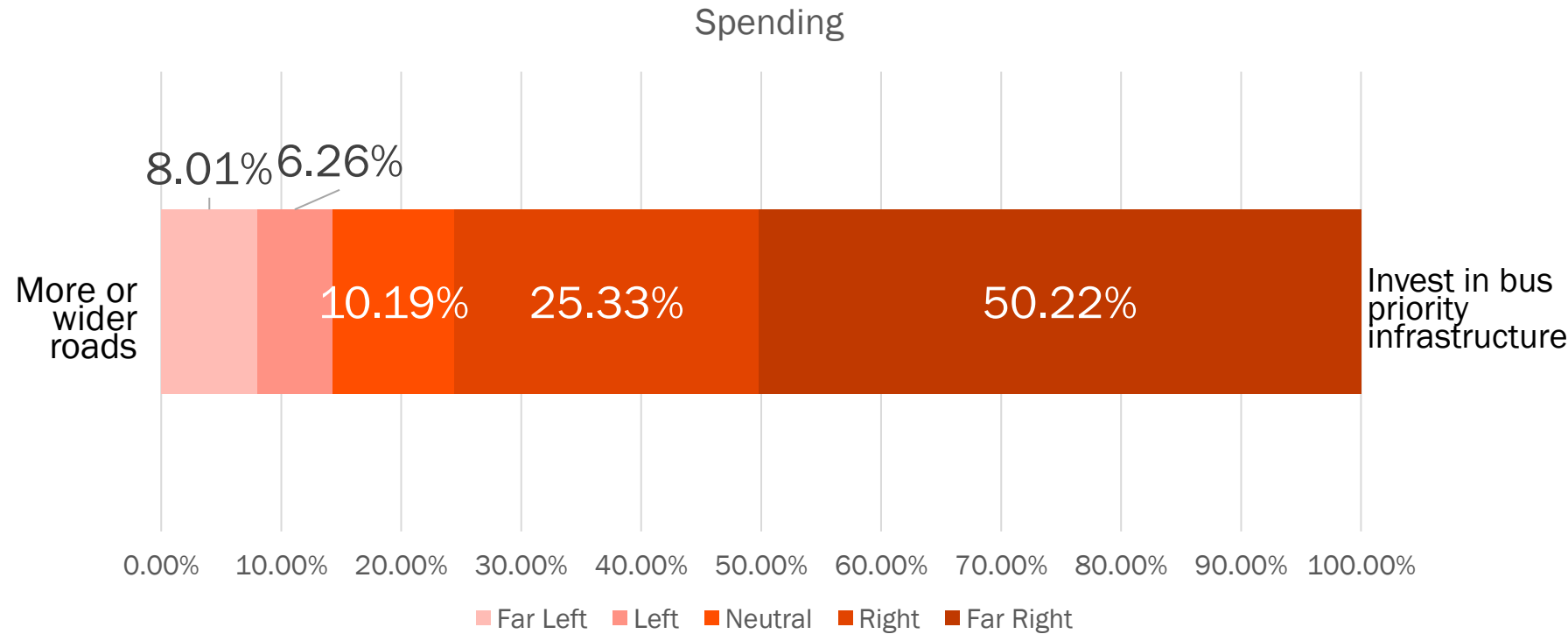
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PHASE I SURVEY RESULTS

Transportation Preferences

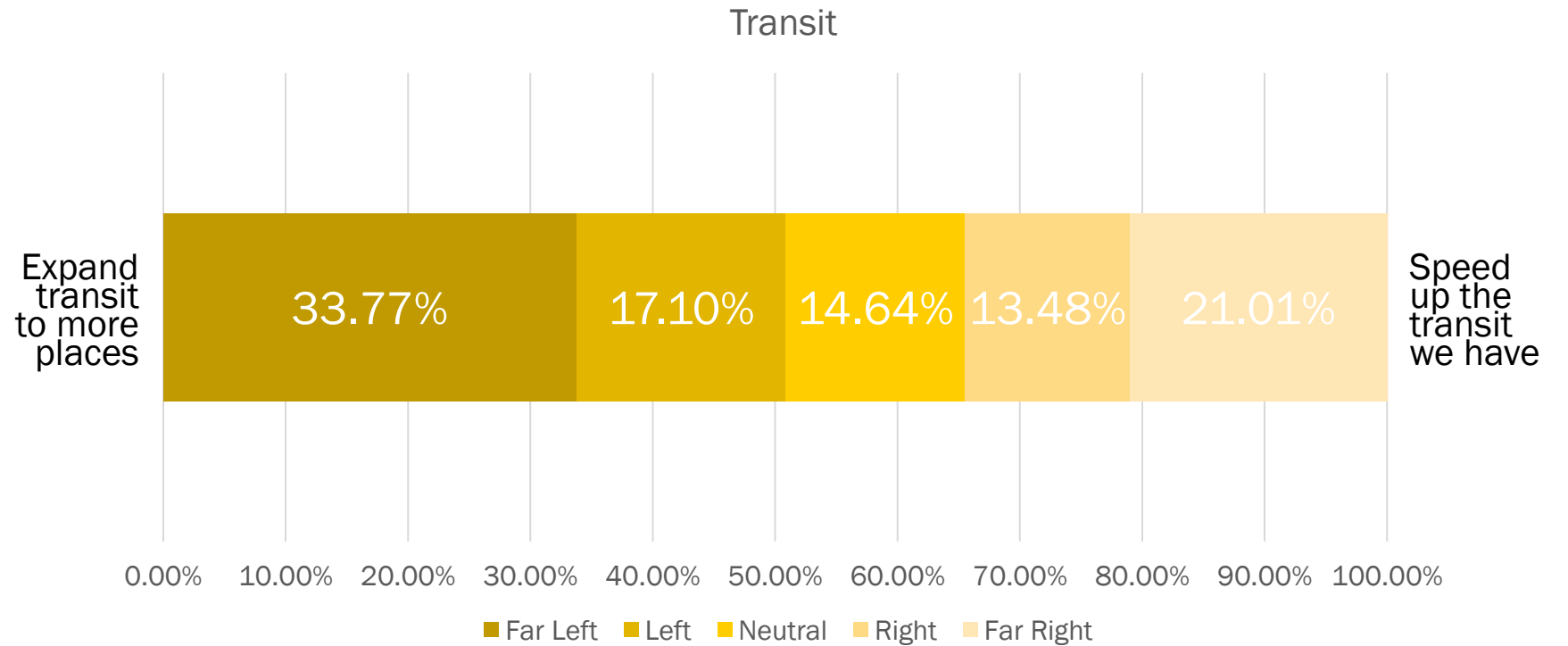
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PHASE I SURVEY RESULTS

Transportation Preferences

- Intersections
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PHASE I SURVEY RESULTS

Map Exercise

- Slow Buses / Congestion Issue
- Intersection Delay Issue
- Unsafe Conditions Near Bus Stops
- Improve Bus Stops

4 Map Exercise

Drop map markers to indicate the location of needs for the system.

Map Exercise

Slow Buses / Congestion Issue Intersection Delay Issue Unsafe Conditions Near Bus Stops Improve Bus Stops Improve Access

Map Satellite

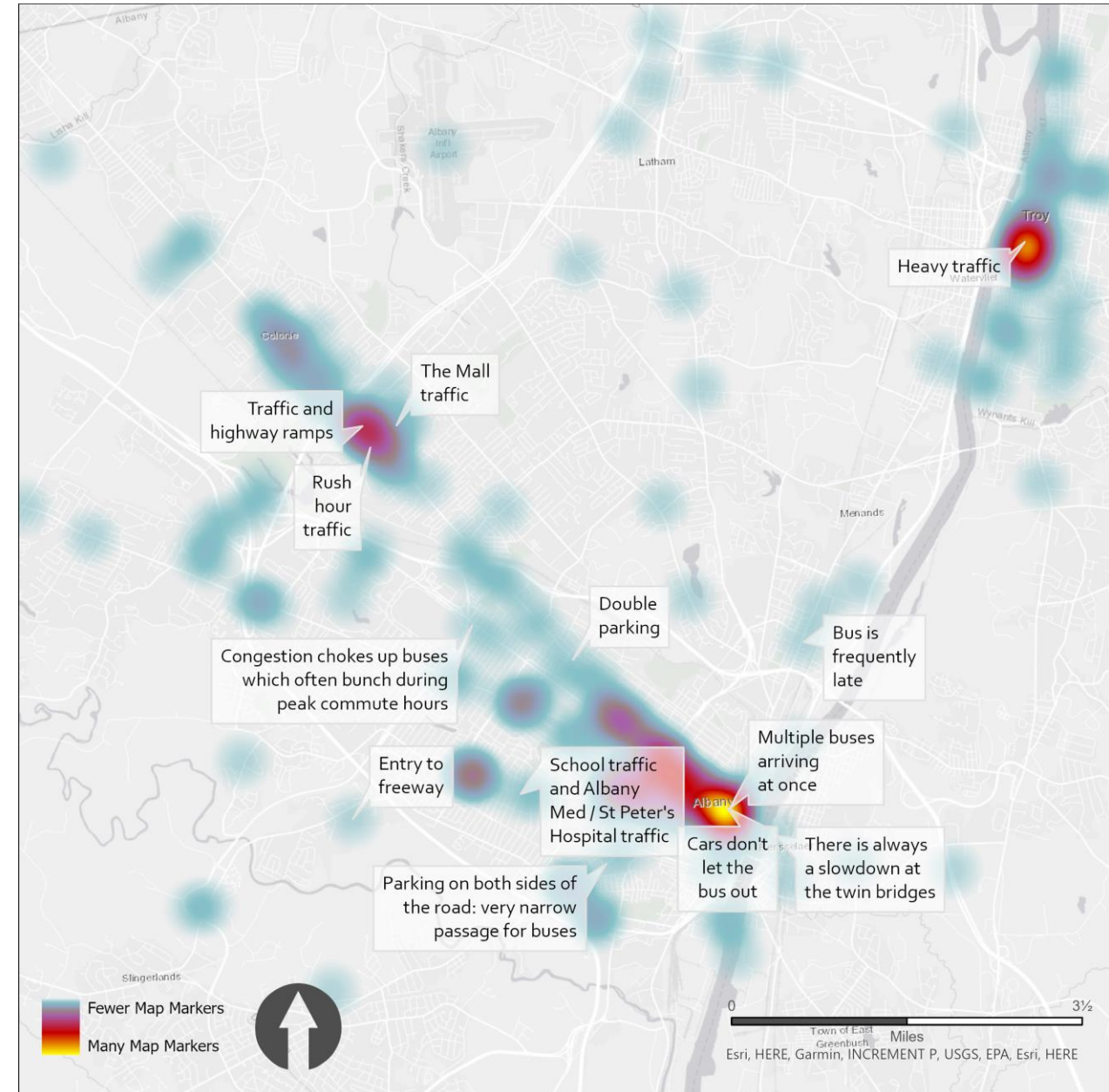
Google

Keyboard shortcuts Map data ©2021 Google Terms of Use Report a map error

PHASE I SURVEY RESULTS

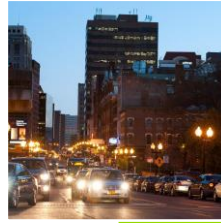
Map Exercise

- Slow Buses / Congestion Issue
- Intersection Delay Issue
- Unsafe Conditions Near Bus Stops
- Improve Bus Stops
- Improve Access



PHASE I SURVEY RESULTS

■ Key Findings



Congestion

- 33 percent of respondents agree that buses are frequently stuck in congestion.
- The Slow Buses / Congestion Issues map marker received the second-most responses.



Bus Priority Infrastructure

- 70 percent of respondents prefer giving buses extra green time.
- 76 percent prefer investing in bus priority infrastructure.
- 61 percent prefer removing parking or reducing parking time for bus lanes.



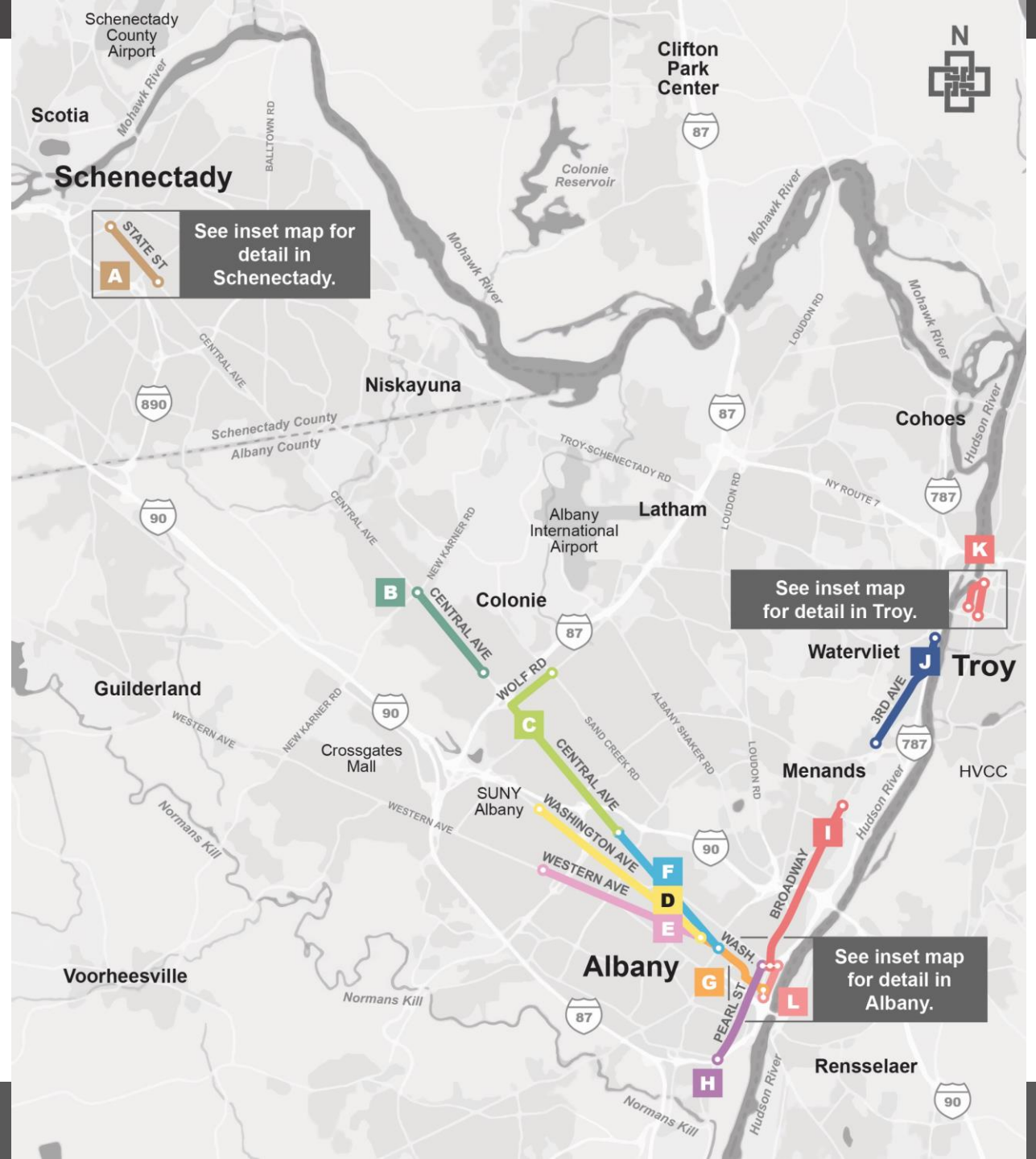
CORRIDORS ANALYSIS

Evaluation, Weighting, Ranking

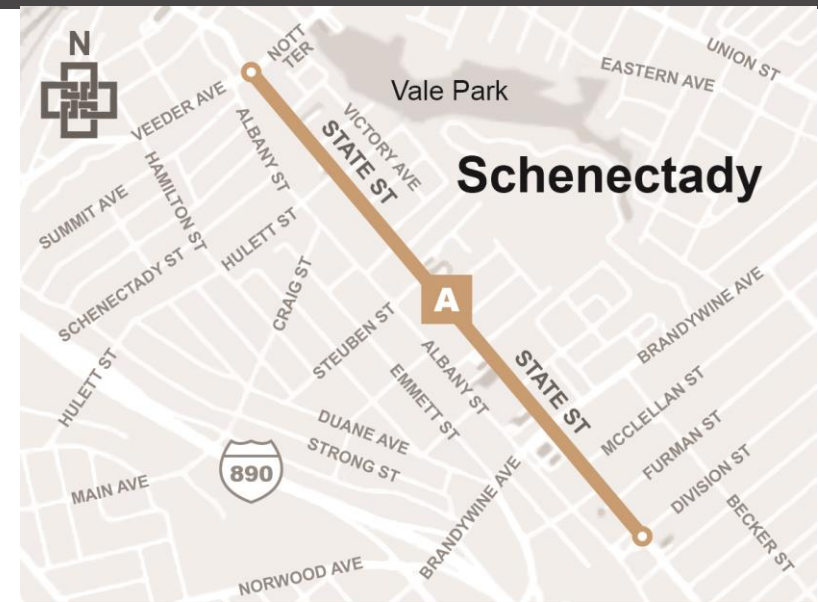
STUDY CORRIDORS

- Identified locations with the following conditions:
 - More than 4 buses per hour
 - Relatively low speeds
 - Relatively high throughput
- Also considered:
 - Number of routes served
 - Land use and roadway cross section
 - Looked at both pre-COVID and during COVID data

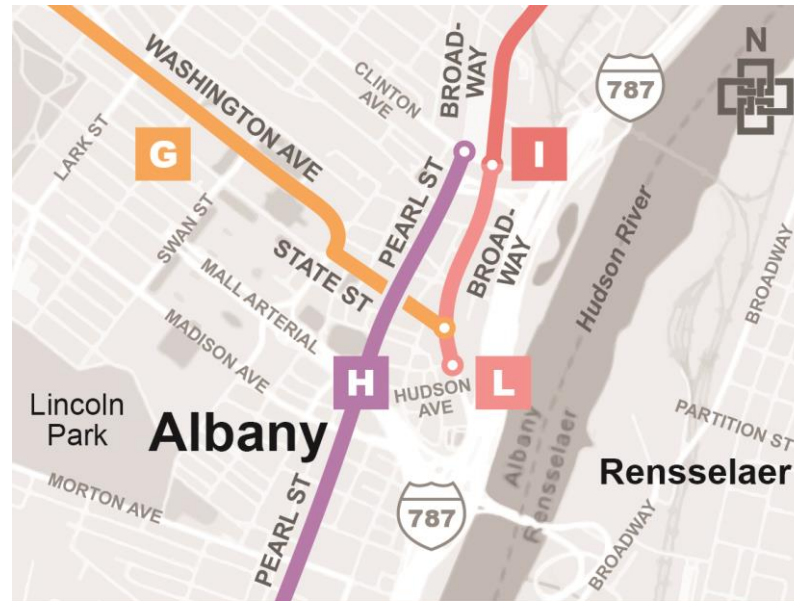
Corridor	Street	Length (Miles)	Start Point	End Point	Jurisdiction
A	State St.	1.1	Veeder Ave.	Division St.	Schenectady
B	Central Ave.	1.7	New Karner Rd.	Woollard Ave.	Colonie
C	Central Ave.	3.2	Sand Creek Rd.	Colvin Ave.	Albany
D	Washington Ave.	3.2	SUNY Albany	Sprague Pl.	Albany
E	Western Ave.	2.5	Hillcrest Ave.	Sprague Pl.	Albany
F	Central Ave.	2.2	Colvin Ave.	Lark St.	Albany
G	Washington Ave./ State St.	1.1	Sprague Pl.	Broadway	Albany
H	Pearl St.	1.6	Clinton Ave.	McCarty Ave.	Albany
I	Broadway	2.5	Clinton Ave.	Riverview Center	Albany/ Menands
J	3rd Ave./ Broadway	2.2	Harts Ln.	16th St.	Watervliet
K	3rd St./ 4th St.	0.9	Grand St.	Congress St./ Ferry St.	Troy
L	Downtown Broadway	0.4	Clinton Ave.	Hudson Ave.	Albany



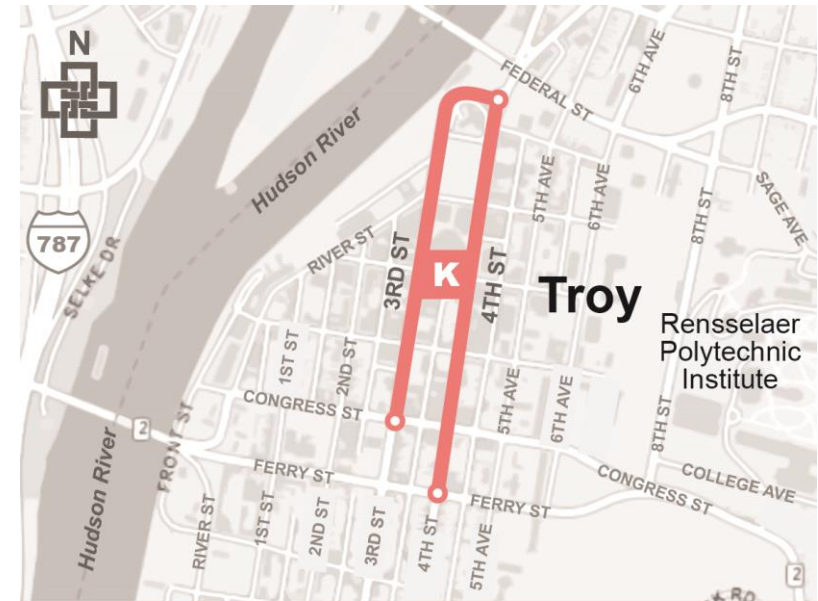
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DETAIL IN SCHENECTADY



DETAIL IN ALBANY



DETAIL IN TROY

STUDY CORRIDORS EVALUATION

- Analysis

- Transit Score: Passenger and Bus Delay
- Equity Score: Densities within a ¼ mile of the corridor of:
 - Persons with Disabilities
 - Minority Populations
 - Low-income Households
 - Low-wage Jobs
 - Zero-car Households
 - Renter-occupied Households
- Land Use Score: Current and future (2030) population and employment density

STUDY CORRIDORS EVALUATION

- Analysis

- Commuter Score: Number of Park & Rides and commuters
- Existing Investment Score: Serves existing or planned BRT, has existing TSP/Queue Jumps
- Qualitative Assessments
 - “Feasibility filter” based on roadway width, number of lanes, parking, intersections
 - Geographic diversity that incorporates other issues/typologies/regional pilots
 - Public/stakeholder input



NEXT STEPS

NEAR TERM EFFORTS AND DELIVERABLES

NEXT STEPS

- Winter
 - Finalize screening and select five corridors
 - Develop bus lane concepts for selected corridors
 - Leadership meeting #2
 - Phase II of outreach

THANK YOU!