

LARGO TRANSIT FINAL PRESENTATION



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AGENDA

- 1 Problem Statement
- 2 Key Terms
- 3 Overview of Literature Review
- 4 Data & Findings
- 5 Recommendations
- 6 Q&A

PROBLEM STATEMENT



PGCPD relocated to encourage public transit use, but the headquarters is 1.4 miles from the nearest Metrorail station



Lack of multimodal options worsens the first/last mile issue for employees.



Employees commute from throughout the DMV making a single solution unlikely to have a significant impact



Despite the relocation, too many employees continue driving to work

KEY TERMS

MULTIMODALITY

The use of multiple transportation modes (e.g., walking, biking, public transit, and ridesharing) in a single trip

MICROMOBILITY

Small lightweight vehicles like e-bikes or e-scooters, typically used for short trips, often in conjunction with public transit. Docked or dockless

FIRST MILE/LAST MILE

The "first mile" is the journey to transit, and the "last mile" is from transit to the destination

SINGLE OCCUPANCY VEHICLE (SOV)

Refers to a vehicle that is transporting only one person

LITERATURE REVIEW

Antidisestablishmentaria

From Wikipedia, the free encyclopedia

Antidisestablishmentarianism (listen to British

pronunciation) was a 19th-century British

movement that originated in 19th-century Britain in

England, that is, to remove the Anglica

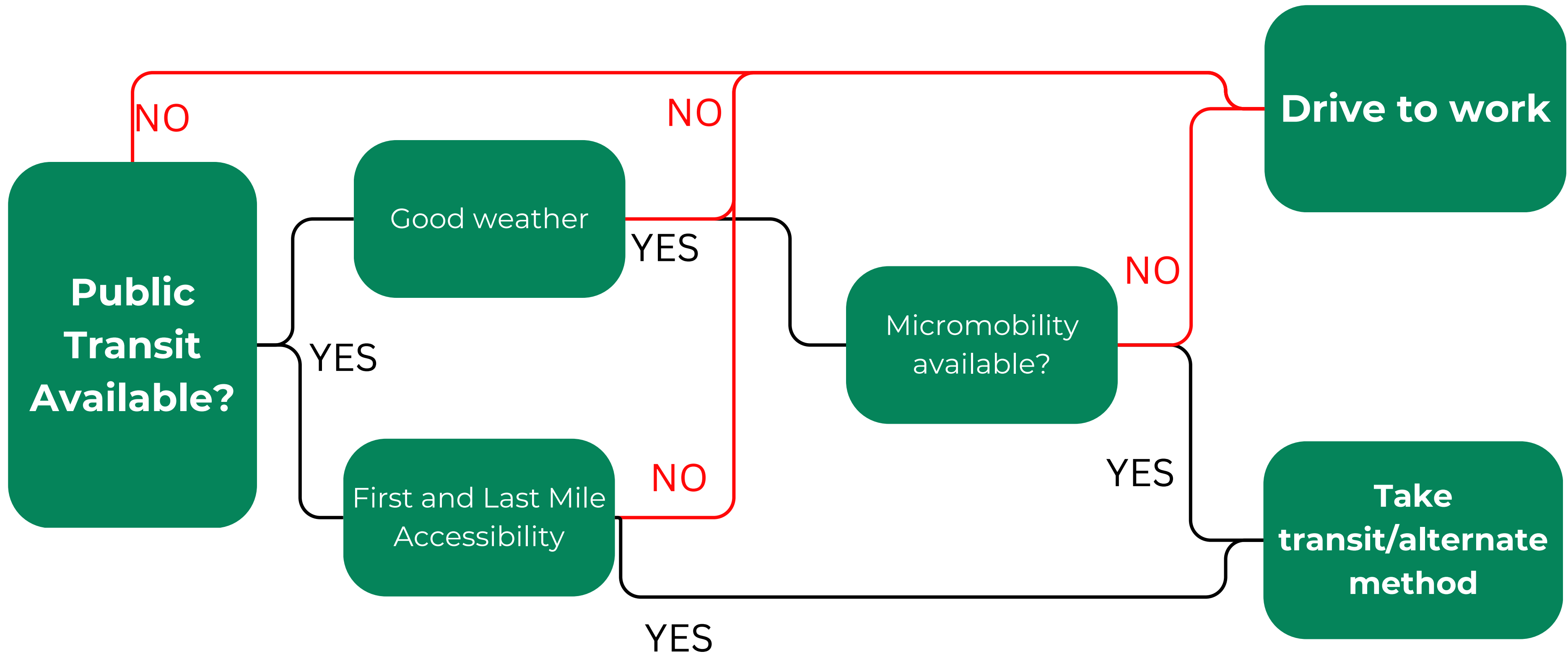
the Church of England, but

was maintained in England, but

1871. In Wales, four Church of

the Church in Wales.

DECISION TREE



INTERVENTIONS FROM RESEARCH

Intervention	Pros	Cons
Transit Subsidies	<ul style="list-style-type: none">• Encourages higher ridership• Affordability	<ul style="list-style-type: none">• Strain on government resources
Walkability	<ul style="list-style-type: none">• Healthy lifestyle	<ul style="list-style-type: none">• Investment in infrastructure
Carpooling	<ul style="list-style-type: none">• Cost savings	<ul style="list-style-type: none">• Limited availability• Trust issues among employees• Coordination can be challenging

DATA & FINDINGS



DATA PROVIDED

- Employee Zip Code Data (Top four populated)-
 - Hyattsville (8 employees)
 - Silver Spring (11 employees)
 - Bowie (12 employees)
 - Upper Marlboro (18 employees)
- Explainer on the Bicycle Commuter Benefit-
 - Allows employers to offer \$81 a month as a(n)...
 - Employee subsidy
 - Before tax deduction
- Existing Metro rail and bus lines
 - Limited service directly to PGCPD (every 30-45 minutes)
 - 1.4 miles between Largo Metro and PGCPD

DATA COLLECTED

Micromobility

- Dockless is best to address first/last mile
- Replaces transportation or assists in commute

Commute Mode Decision

- Subsidies for public transit increases usage by 16%
- Consistent arrivals and nearby stops increase bus usage
- Economic boons from public transit aren't well-known

Multimodality

- Largo would benefit from more multimodal infrastructure ~62% of cycle-transit users (CTUs) dislike current bike/transit facilities Improving bike storage is the cheapest improvement option Improving bike rails on transit is most favored by CTUs

CASE STUDIES

Carpooling

- Usage increases when suggestions on who should carpool together are given, communication of benefits, or incentives are offered

Incentives

- Increases public transit usage
 - Best when the job is less than half a mile from a stop

Best Improvements to Infrastructure

- Restoring sidewalks
- Paths should feature variety of visual stimuli (shops, cafes, parks, etc.)
- Crosswalks should be larger and the speed of cars reduced


SURVEY

- 1. Where do employees live?
- 2. How do employees commute?
- 3. Consideration of alternatives?

Due to time constraints, we could not proceed with focus groups

PGCPD Commute Mode Survey

Hello, and thank you for participating in our survey! This survey will take approximately 8 minutes to complete and aims to understand commuting trends within the Prince George's County Planning Department. We will reach out to schedule follow-up interviews with selected participants.

jalbert4@terpmail.umd.edu [Switch account](#) 

* Indicates required question

Email *

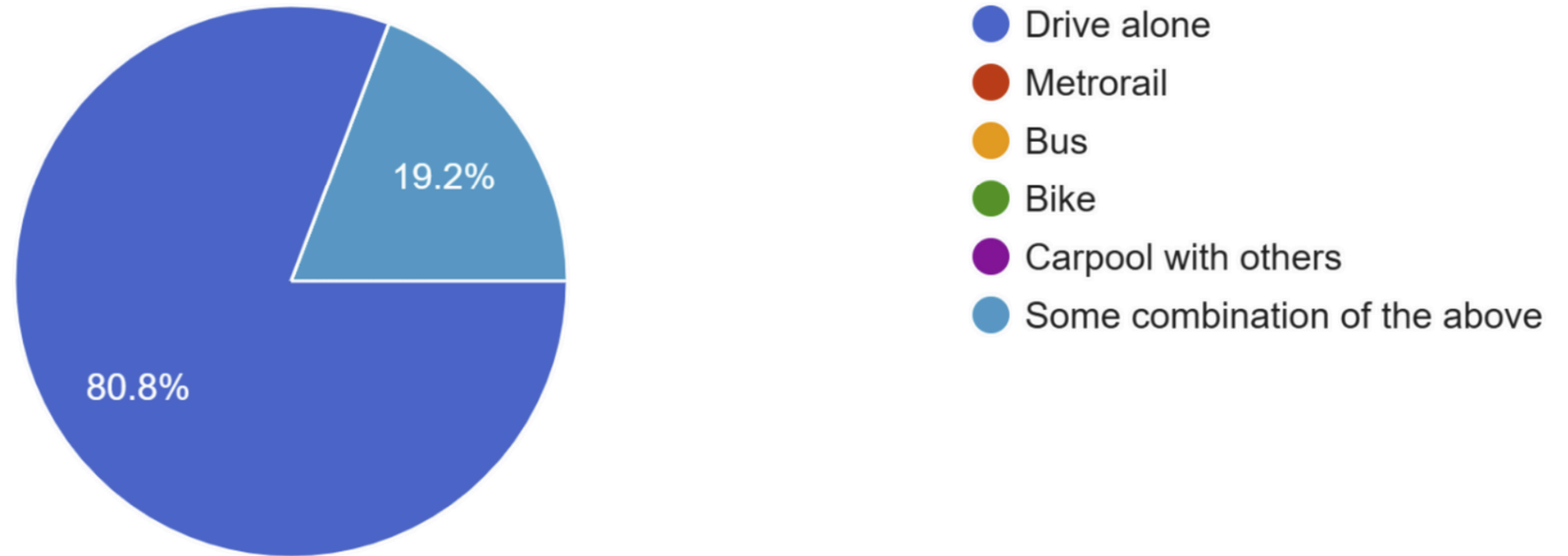
Your email

Name *

Your answer

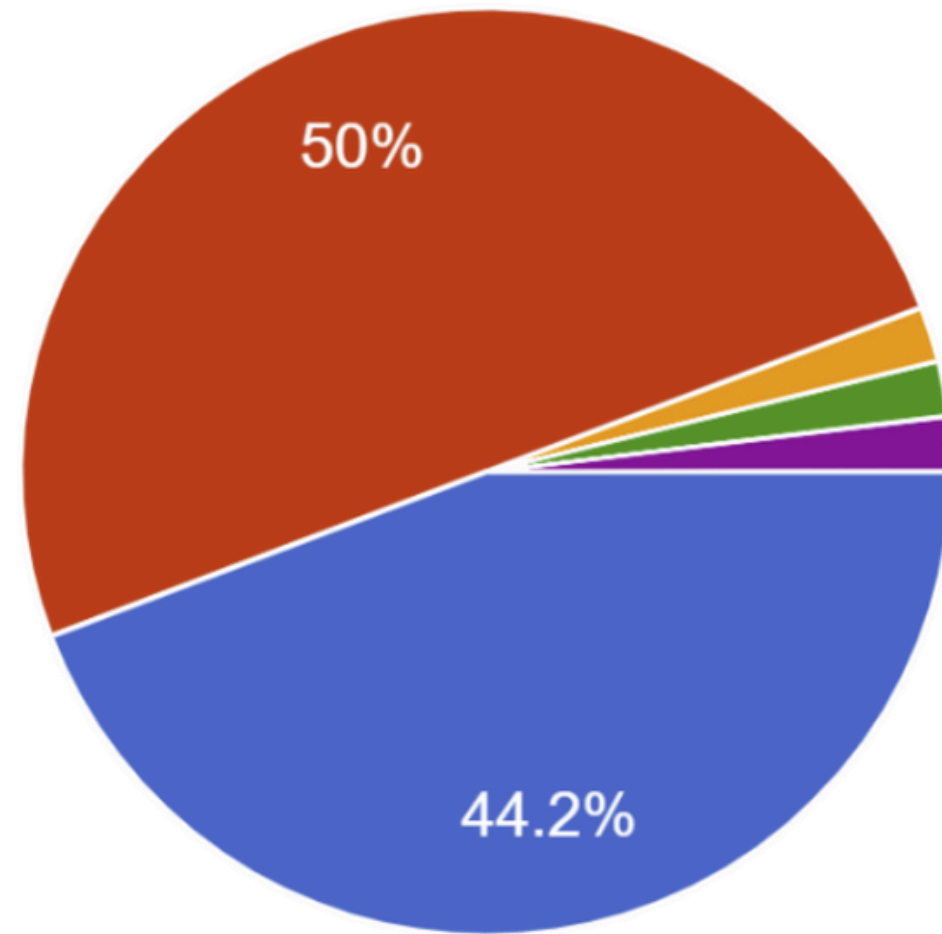
How do you commute to work?

52 responses



Have you ever considered an alternate method of commuting?

52 responses



- Yes
- No
- Yes, but there is no alternate method available for me.
- No Alternate method - Rural Area
- I only drive because it would take me 2 hours to get to work otherwise.

How would employees adjust their commutes?



Cycle

2.0%

Carpool

10.2%

No way to adjust

8.2%

Borrow or rent a car,...

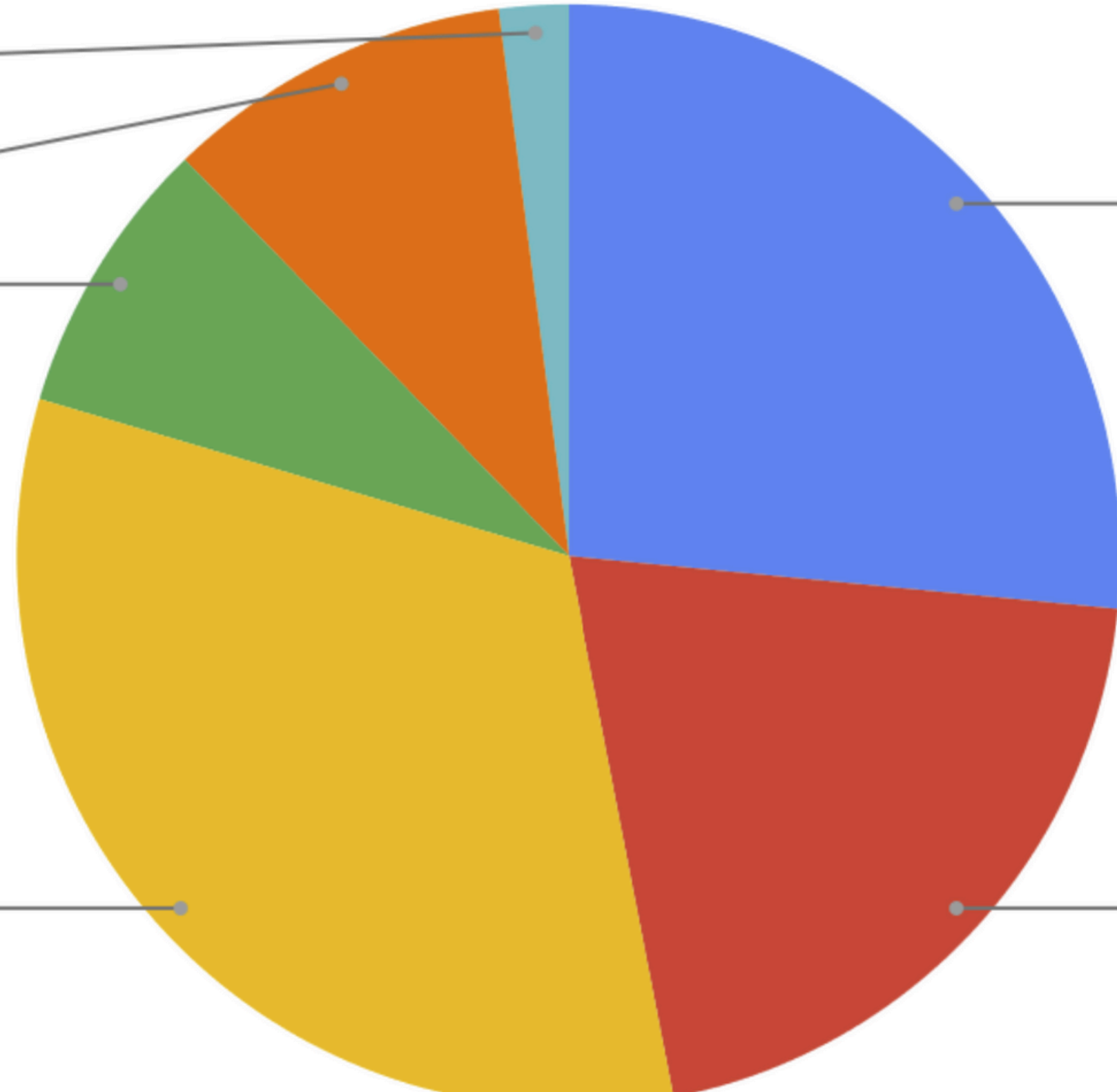
32.7%

Metro rail or bus

26.5%

Telework or take leave

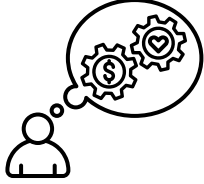


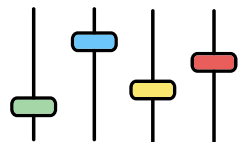
20.4%



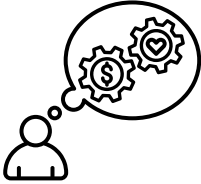


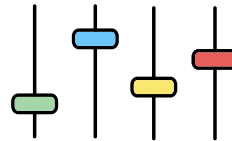
RECOMMENDATIONS



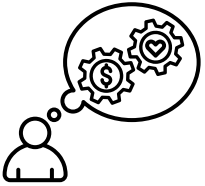


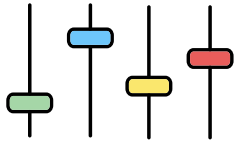
#1 INFRASTRUCTURE REVITALIZATION

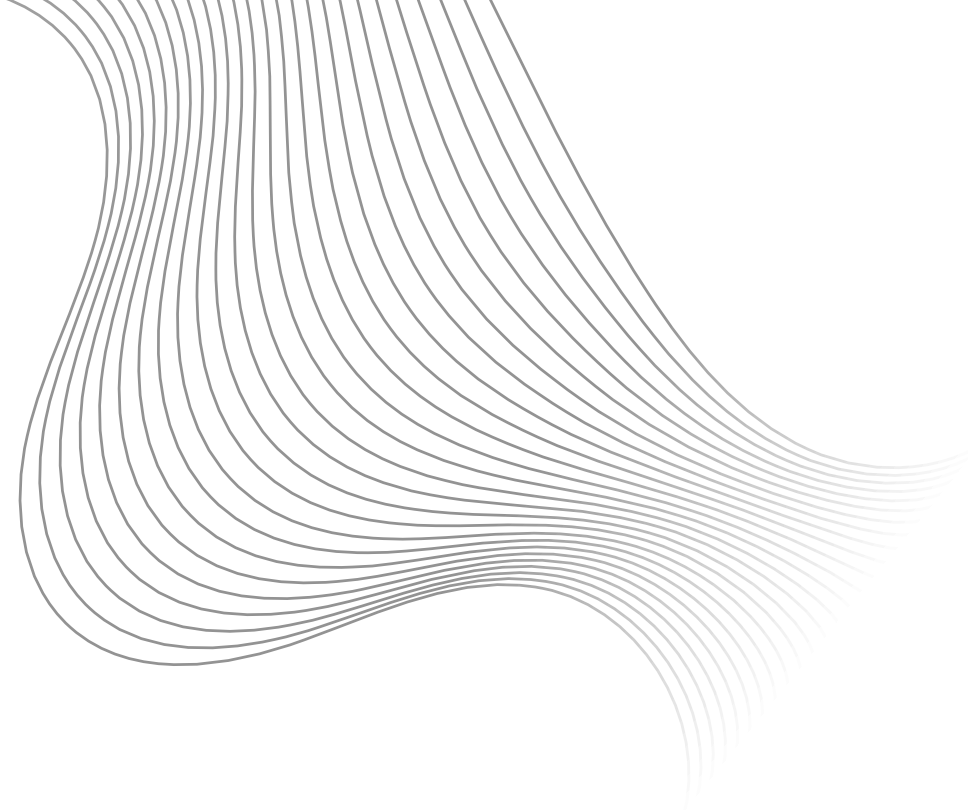
	Cost Effective	Generally one of the more expensive options, but offers greater potential for positive change
	Implementation Viability	Longer timeline, though aspects like sidewalk revitalization and bike parking can be implemented sooner
	Outcomes & Expectations	Broad community impact with the potential for long-term benefits
	Client Preferences	Open to the idea, but would need to be part of a broader initiative to drive meaningful change

#2 INCREASE MICROMOBILITY OPTIONS

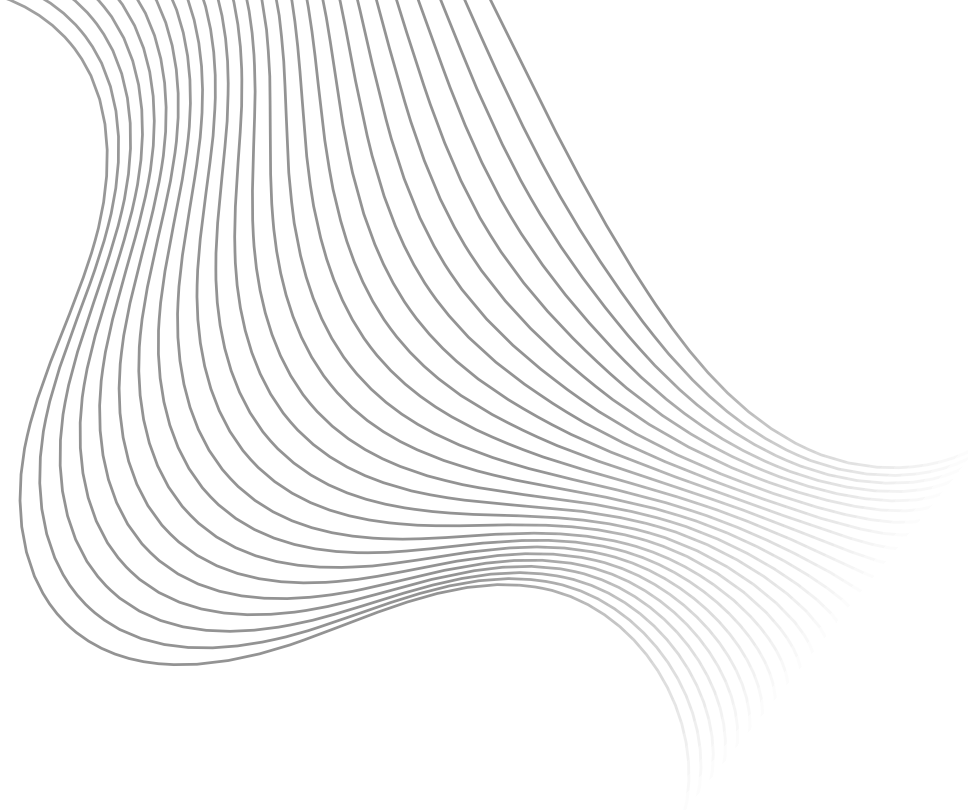
	Cost Effective	Micromobility is generally lower-cost to implement and scalable for broader deployment
	Implementation Viability	Partnerships with Capitol Bikeshare, Lime/Veo essential
	Outcomes & Expectations	Expected to be used for multimodal transportation and to improve first/last mile connections between buses/trains and office
	Client Preferences	Open to the idea but desires educational initiatives to address public concerns and increase adoption

#3 CARPOOL MATCHING PROGRAM

	Cost Effective	Minimal cost to Planning Department
	Implementation Viability	Requires an educational campaign to promote viability, along with investment in software for employee matching
	Outcomes & Expectations	Employees in similar areas carpool, reducing individual car commutes
	Client Preferences	Client interested, but solution is not very popular among employees and may face adoption challenges



QUESTIONS?



THANK YOU