

Metro Transit Network Redesign

Draft Network Plan

JARRETT WALKER + ASSOCIATES

Let's think about transit

Public Meeting Presentation Feb. 24, 2022

Tonight's Agenda

- 1. Welcome
- 2. Zoom Meeting Protocols
- 3. Draft Network Plan Presentation
- 4. Discussion
- 5. Engaging the Community

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Zoom Meeting Protocols

- Please remain on Mute during the presentation.
- Use the Chat to ask questions during the meeting.
- To ask questions at the end of the presentation, click Participants and select Raise Hand.
- Introduce yourself before speaking.
- Once your question is addressed, lower your hand.
- If you called into the meeting, use *9 to raise and lower your hand.

Why are we here today?

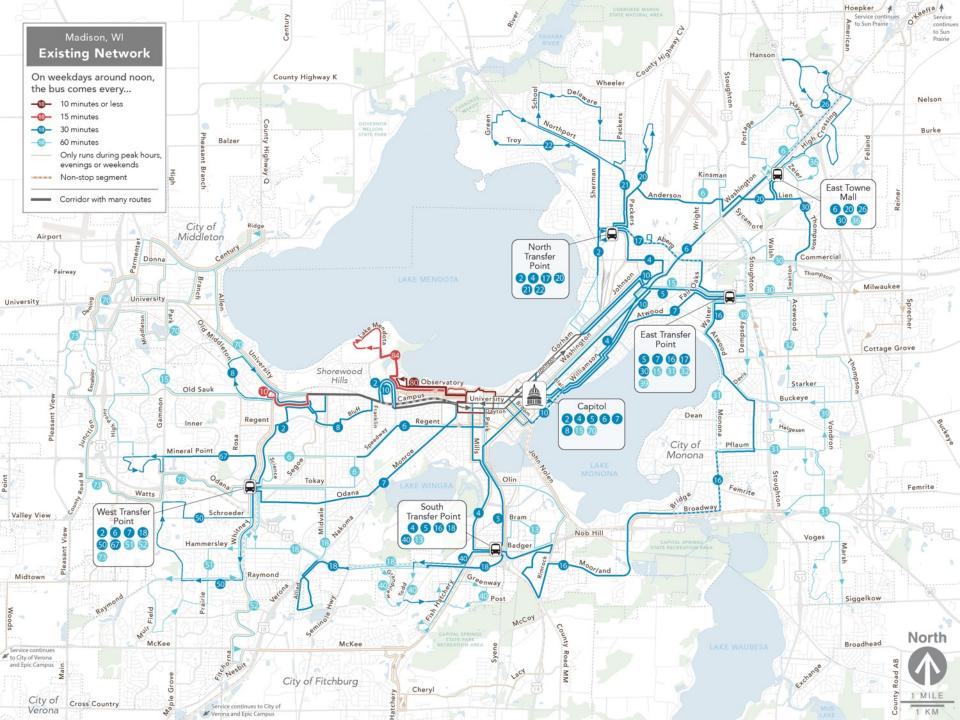
- We are re-envisioning <u>where</u> and <u>how often</u> the bus operates in Madison.
- Today, we will present the Draft Network Plan, respond to questions, and take public input.
- This plan is an initial proposal, it is <u>not final</u>.
- Public input is critical to making sure we get the Final Network Plan right.

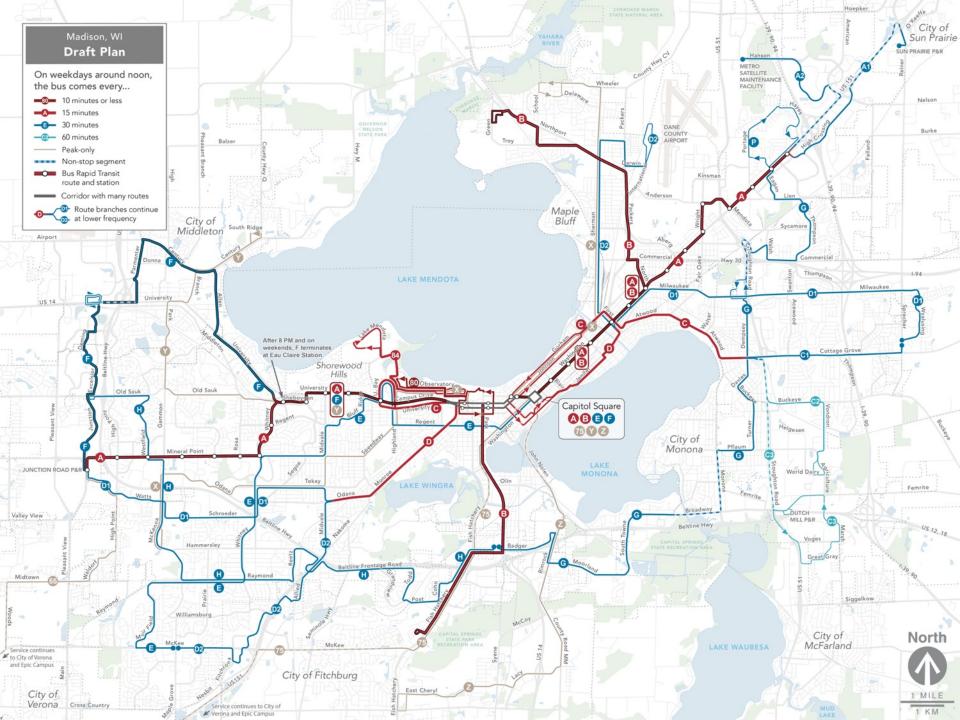
How can you provide input?

- **Today:** you can ask questions or provide comment after the presentation.
- After the meeting: take the survey online!
 - Project Web Page: <u>mymetrobus.com/redesign</u>
 - En Español: <u>mymetrobus.com/redesign_es</u>
- **Anytime:** e-mail <u>MetroRedesign@cityofmadison.com</u>

The big picture Existing Network vs. Draft Plan

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How did we get here?

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Plan Process

This plan is being developed with continuous public input.

- In Phase 1, we asked about people's values and priorities for transit.
- In Phase 2, we asked for people's opinion on two different network alternatives.
- Now, in Phase 3, we are seeking comment on an actual proposal.

In each phase, we are learning more about what the public wants and incorporating that into the plan.



We are here

Values and Priorities

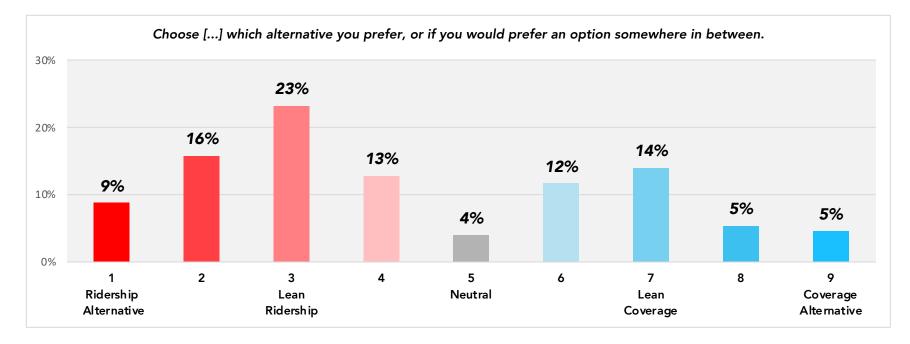
- In April and May 2021, we asked people about what objectives transit should adhere to.
 - Most people we heard from (80%) said the network needed changes, even if some people like the network as it is.
 - The following goals stood out as the top priorities for change:
 - Expanded mobility for low-income people
 - Basic access for everyone who needs it, wherever they are
 - Maximize access to jobs and opportunities

Network Alternatives

- Last August, two contrasting alternatives were presented for public comment. Both were designed to expand mobility for lowincome people, but differed on other goals.
 - The **ridership** alternative prioritized total access to jobs and opportunity:
 - Buses would come more often; routes would be faster and more direct.
 - But some areas would no longer receive service, and many people would walk farther to get service.
 - The coverage alternative prioritized ensuring basic access for as many people as possible:
 - Service would remain spread out to serve as many places as possible.
 - Routes would be somewhat more direct, but buses mostly would come at about the same frequency they do now.

Draft Plan Direction

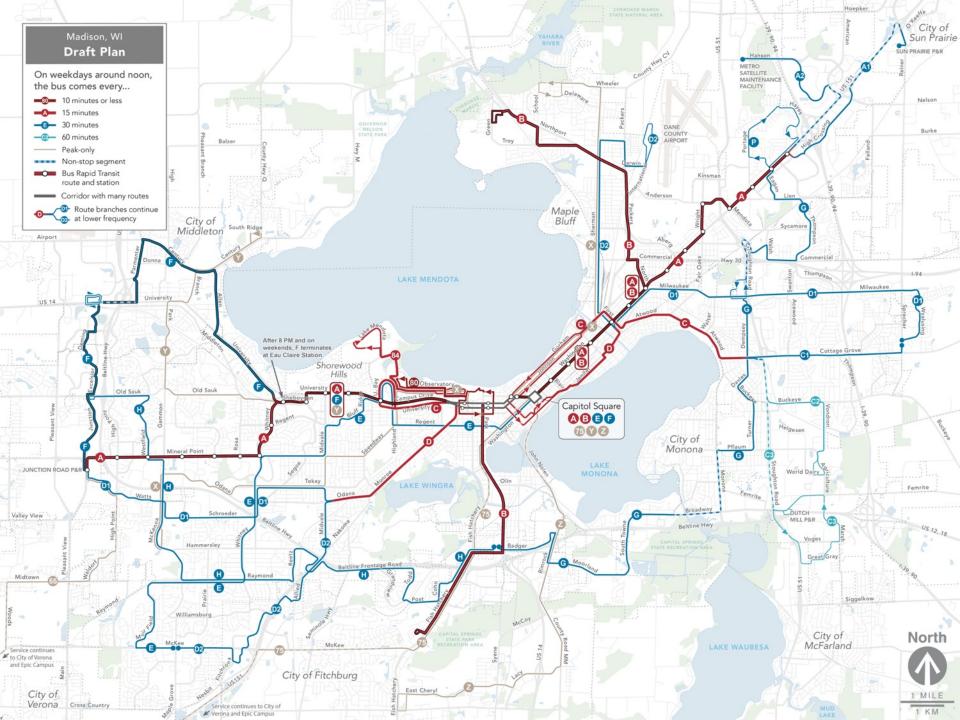
• Public comment leaned somewhat toward ridership.



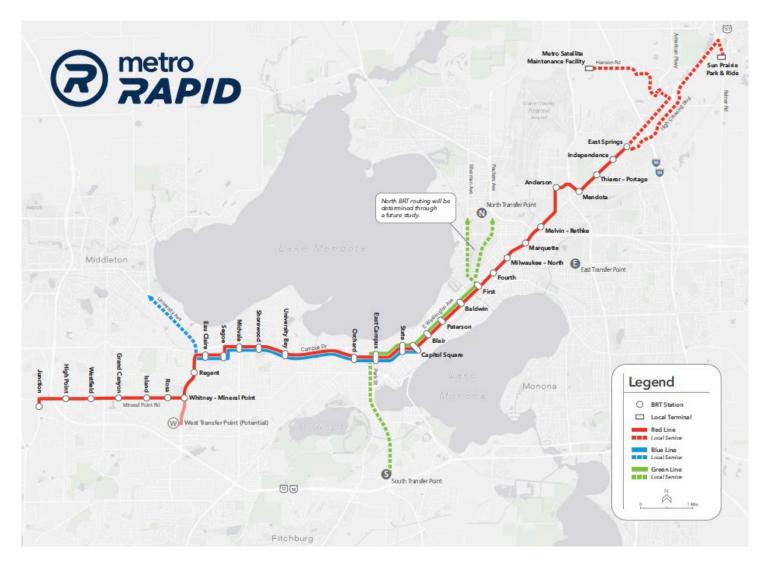
 The Transportation Planning and Policy Board directed the project team to develop a plan mainly based on the ridership alternative, but with a few changes to extend basic coverage to more people.

What's in the Draft Network?

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Context: Planned BRT Lines

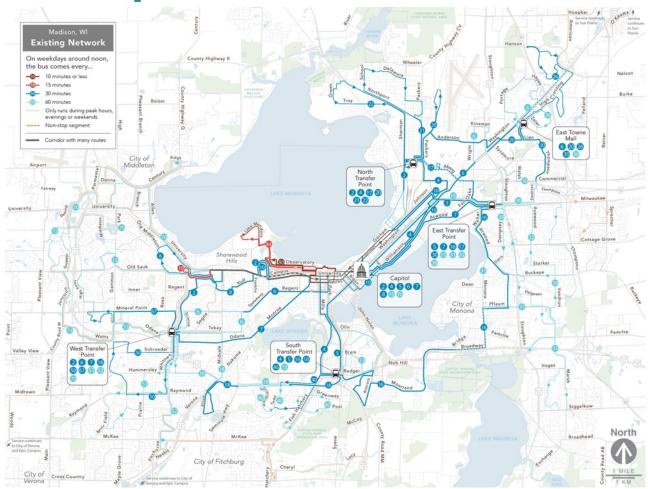


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Assumption: Service at 2019 levels

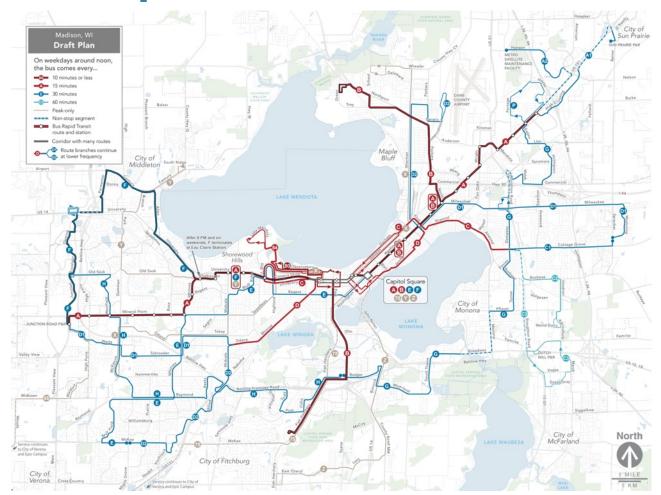
- This matches available operating funds.
- This means that:
 - There isn't infinite room to go more places and provide more frequent service.
 - Any decision to run more service in one location than in 2019, is a decision to run less service in some other location.

More frequent routes



In existing service, most routes run every 30 minutes, and many run just once an hour, often on one-way loops.

More frequent routes



In the Draft Plan, about half the routes would run every 15 minutes, and half would run every 30 minutes.

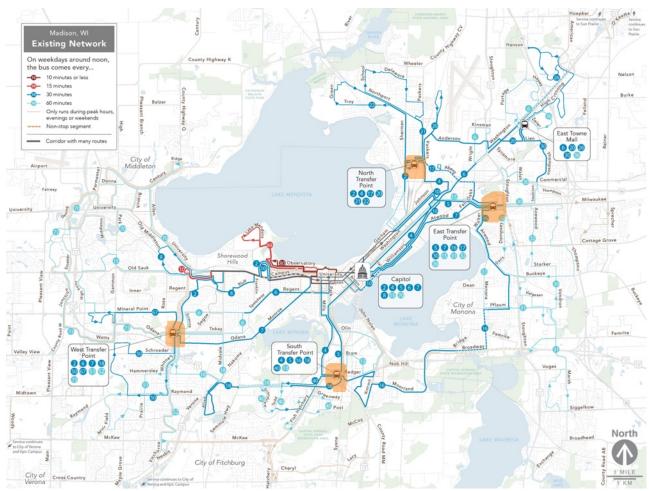
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Why does higher frequency matter?



Imagine a gate at the end of your driveway that only opens once an hour!

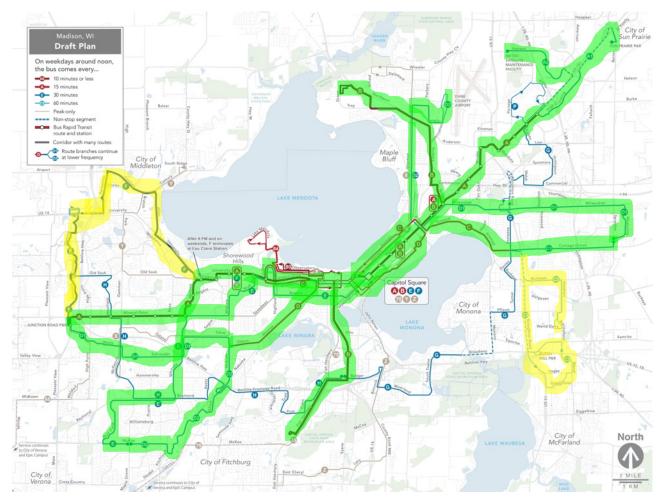
More direct service



In existing service, passengers from outlying areas are directed to transfer points, where they have to switch buses to get closer in.

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More direct service

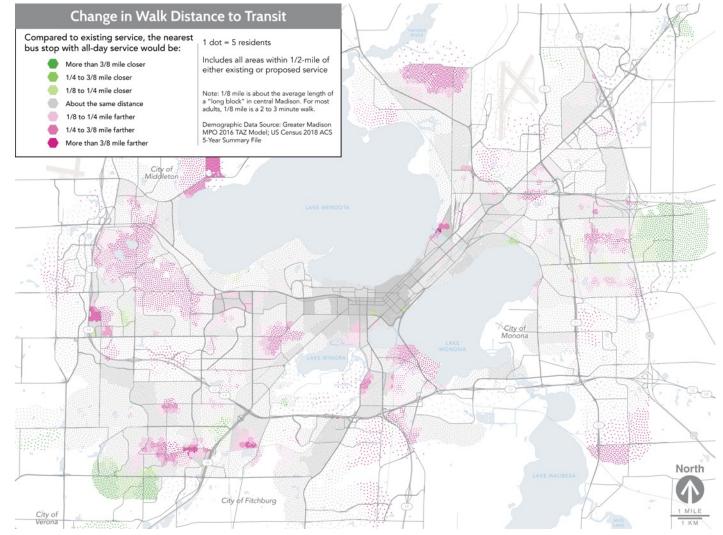


In the Draft Plan, most routes run to and through central Madison either all of the time, or on weekdays from 6 AM to 7 PM.

Service on fewer streets

- Achieving higher frequencies without significantly expanding the service budget means providing fewer routes.
- However, the vast majority of people near service today would remain near service under this Draft Plan.
- The median walk to the nearest bus stop would become about 300 feet longer.

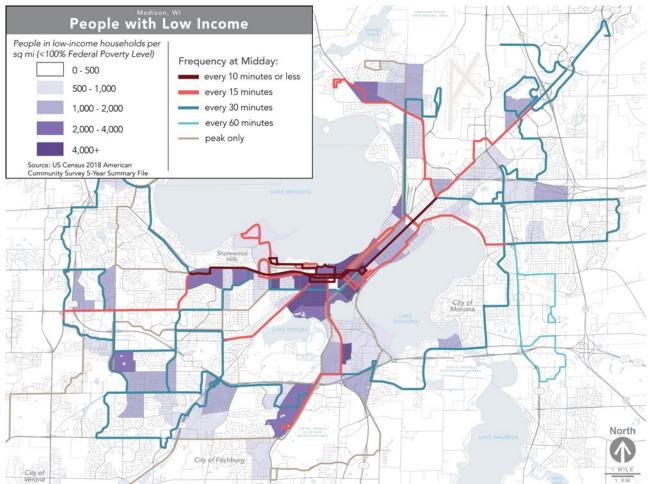
Some people would have to walk farther to get to a bus stop.



For most adults, 1/8-mile is a 2 to 3 minute walk. It's about the same length as a "long block" in central Madison.

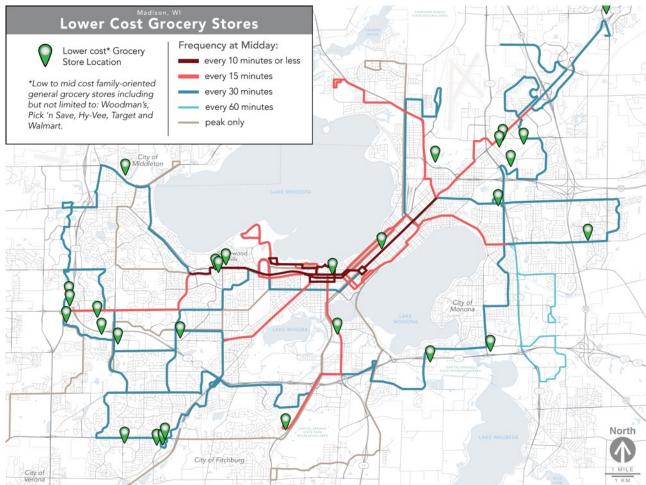
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Service designed with equity in mind



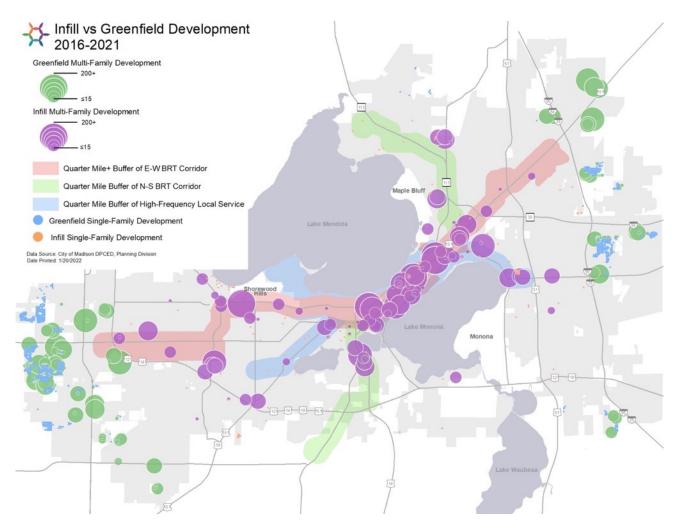
Service to all areas in Madison with concentrated low-income populations.

Service designed with equity in mind



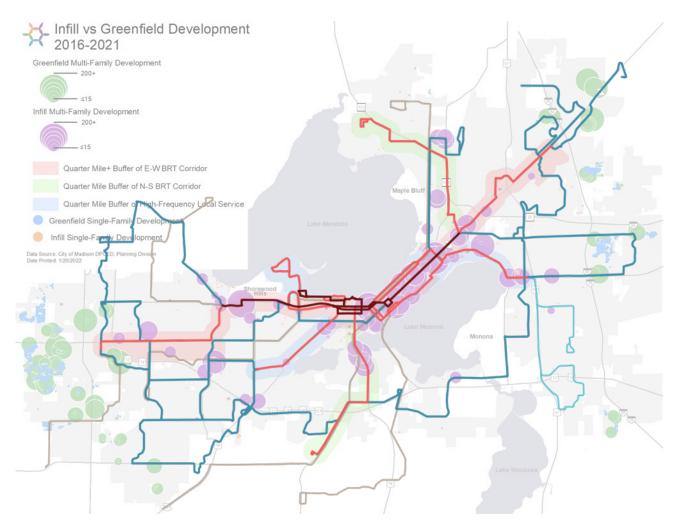
Routes designed to serve places where low-income people need to go on a regular basis.

Proposed service and ongoing development



The frequent network would match and anticipate patterns of infill development.

Proposed service and ongoing development



The full network would serve outlying developments that are located adjacent to areas that are already built up.

Comparing Key Outcomes Proximity to Service

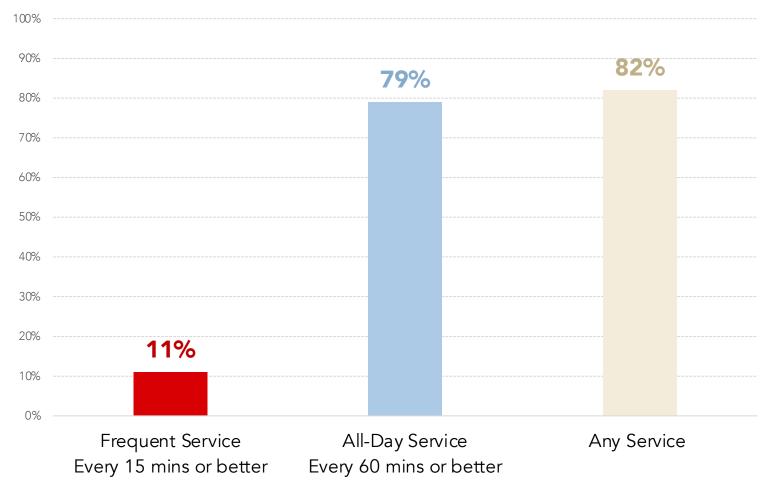
Proximity

- The charts in the following slides estimate how many people in the City of Madison would live within a ¼mile walk of a bus stop, and how often the bus comes by.
- This is a measure of **coverage**.
 - It tells us whether people have some level of insurance against isolation in their neighborhood.
 - It does not tell us whether anybody would find the service useful on a regular basis.

Proximity

How many people are near transit service in Madison?

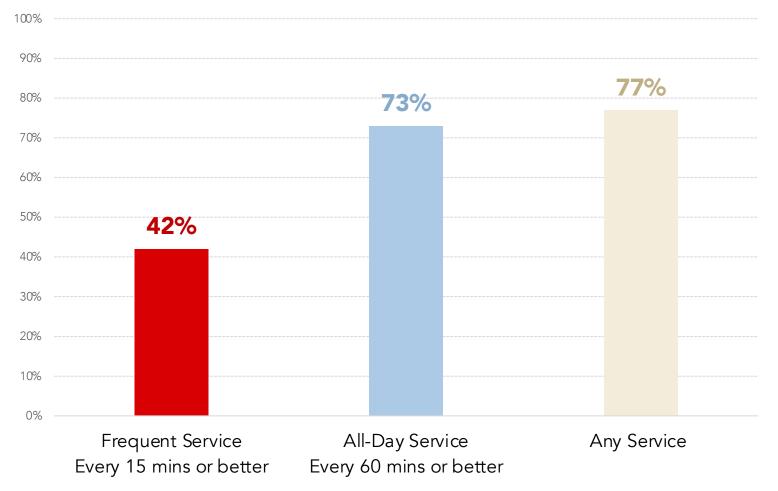
Existing Network - All Residents



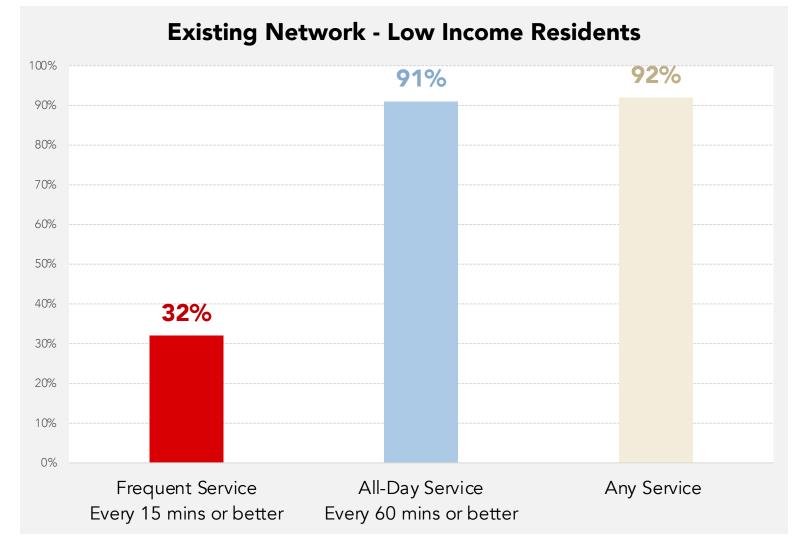
Proximity

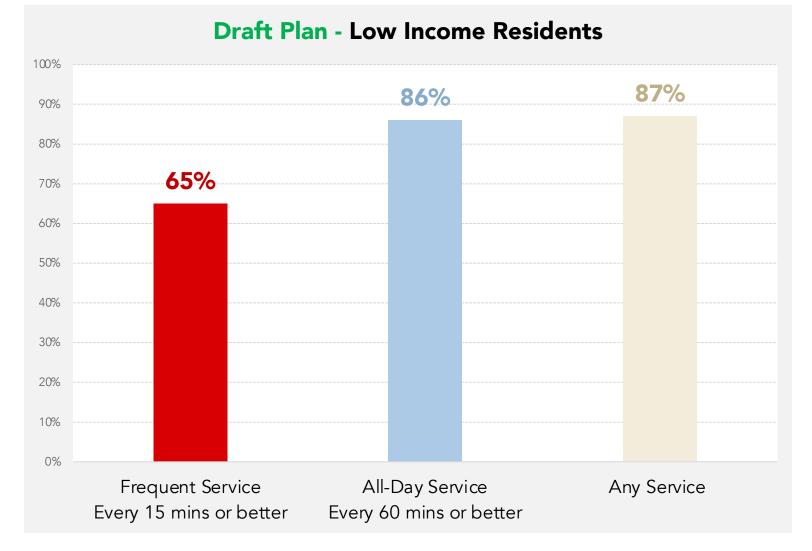
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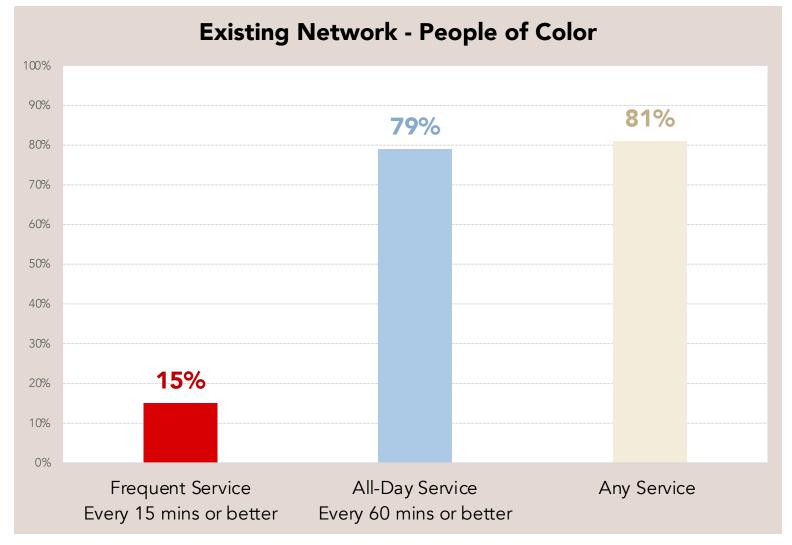
Draft Plan - All Residents

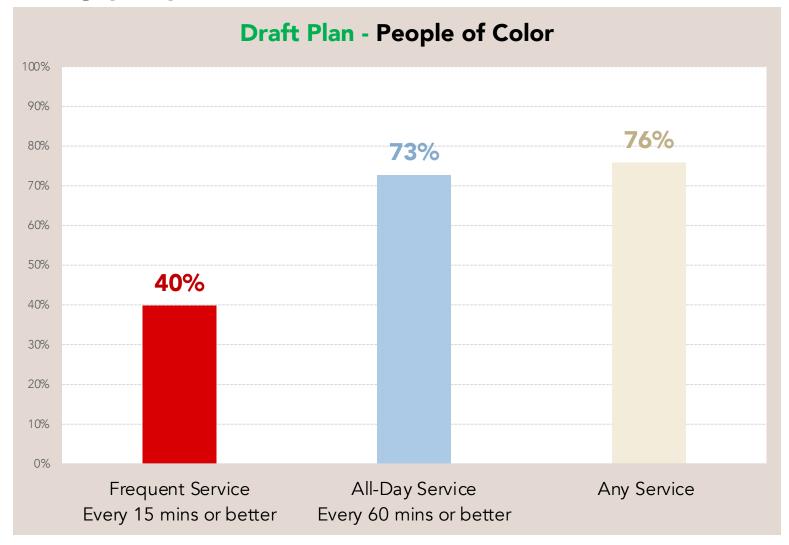


How many people are near transit service in Madison?









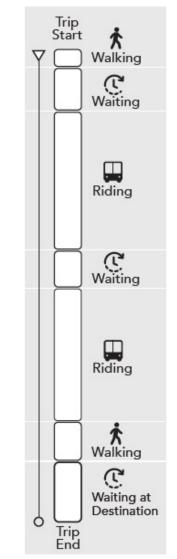
Comparing Key Outcomes Access to places within 45 minutes

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Access

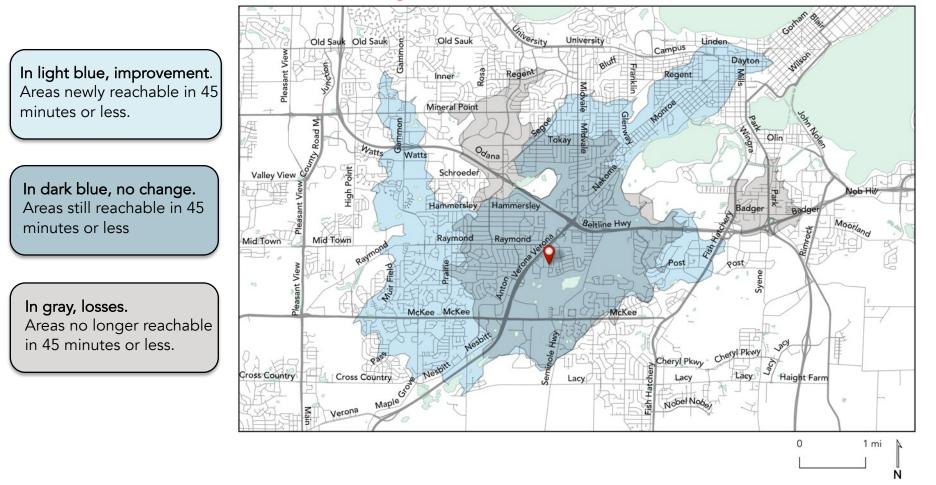
How many places can you reach within 45 minutes?

- When we say you can get somewhere in 45 minutes, that includes the time it takes to:
 - Walk to the nearest bus stop.
 - Wait for the next bus to come.
 - **Ride** the bus.
 - Walk to your destination.
 - Make any **transfers**.
- We're interested in how many places you can get to in 45 minutes, because that's about the amount of time it takes to drive from one end of Madison to the other.



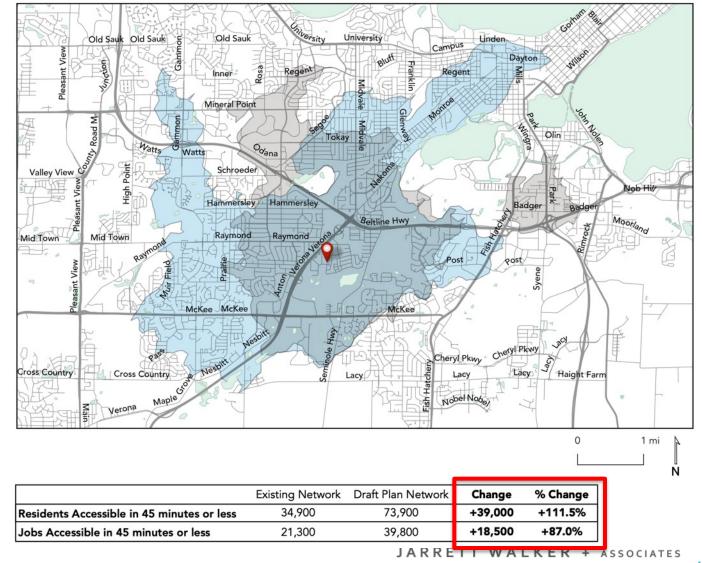
Example of access change – Allied & Lovell

For someone located at Allied Dr & Lovell, able to walk or take the bus, this map shows how the Draft Plan would change access within 45 minutes:



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Example of access change – Allied & Lovell



We can calculate how many people and jobs are in those areas, to understand the overall impact.

Access to Jobs

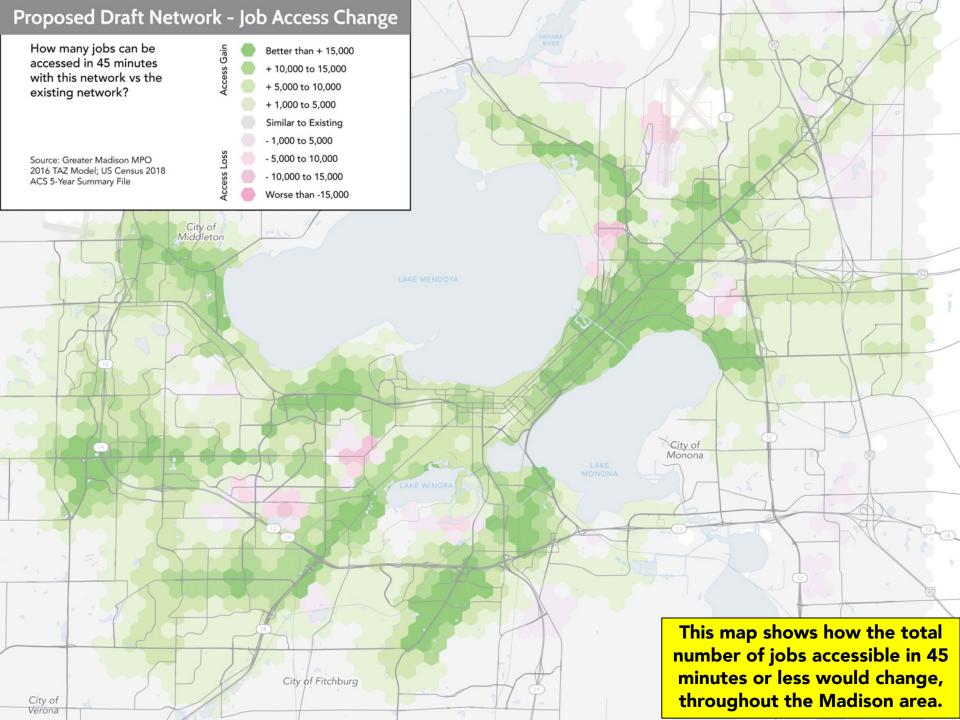
How many jobs can you reach within 45 minutes?

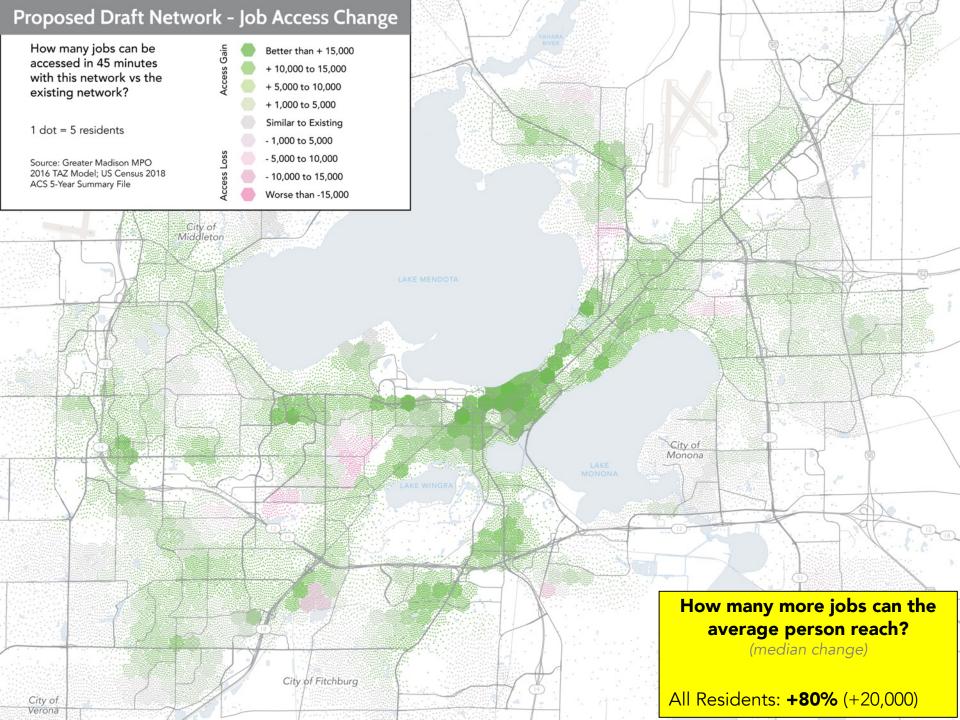
- The maps on the following slides estimate how many more jobs someone could reach within 45 minutes by transit and walking, for each alternative, compared to today.
- This is a measure of the service's usefulness; transit needs to be useful to generate ridership.

Access

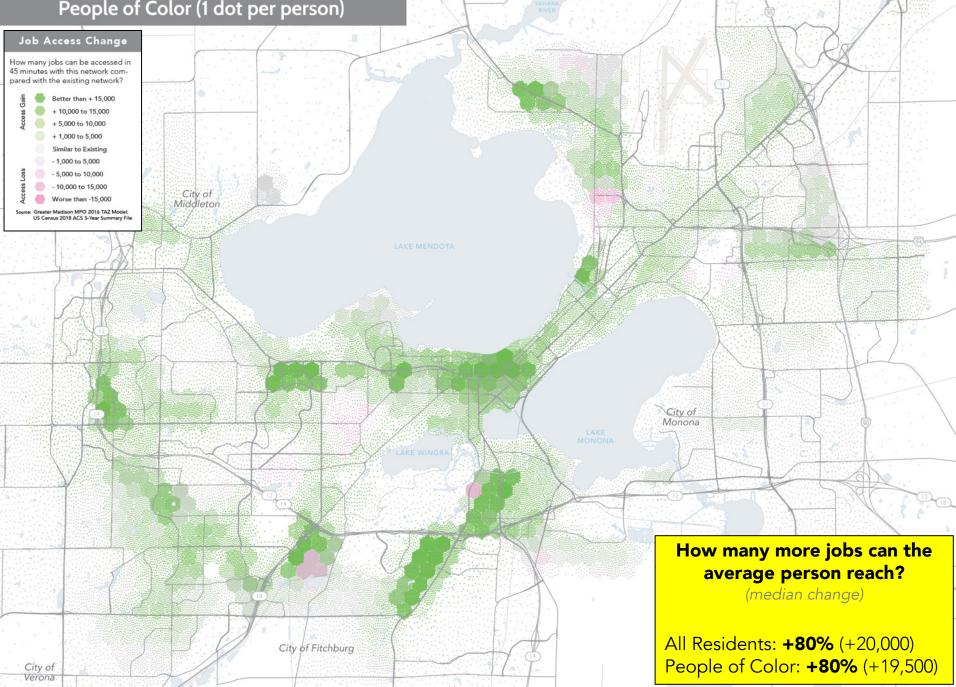
How many places can you reach within 45 minutes?

- We measure access to jobs because we have good data on jobs, not because we think transit's main purpose is commuting.
- Access to jobs matters for many trips, because most of the places people need to go are places of employment.
- This measure is not a prediction of ridership change.

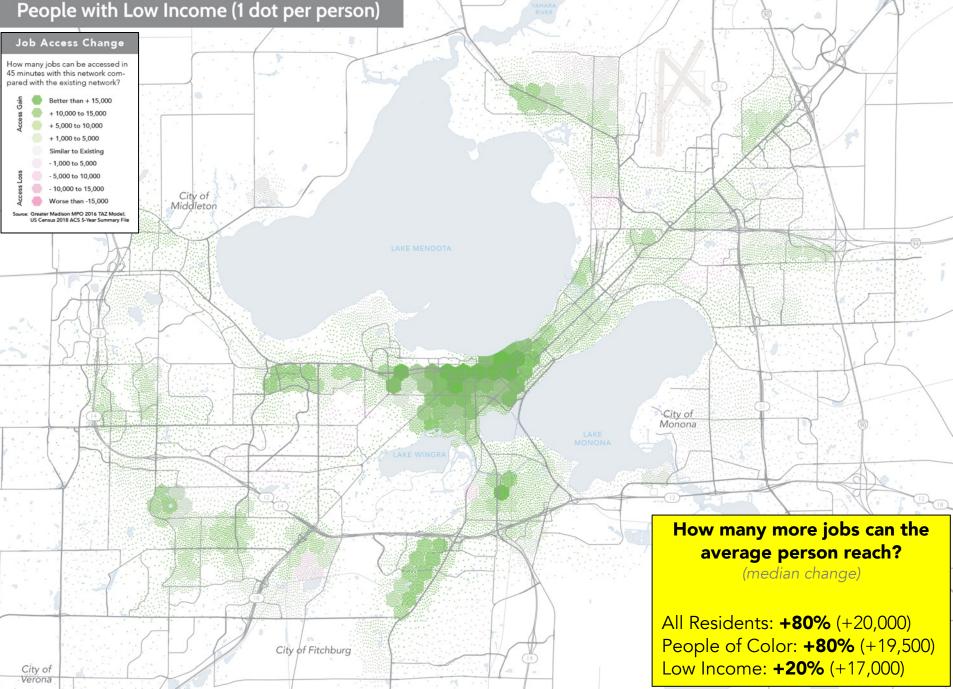




Proposed Draft Network - Job Access Change People of Color (1 dot per person)



Proposed Draft Network - Job Access Change People with Low Income (1 dot per person)

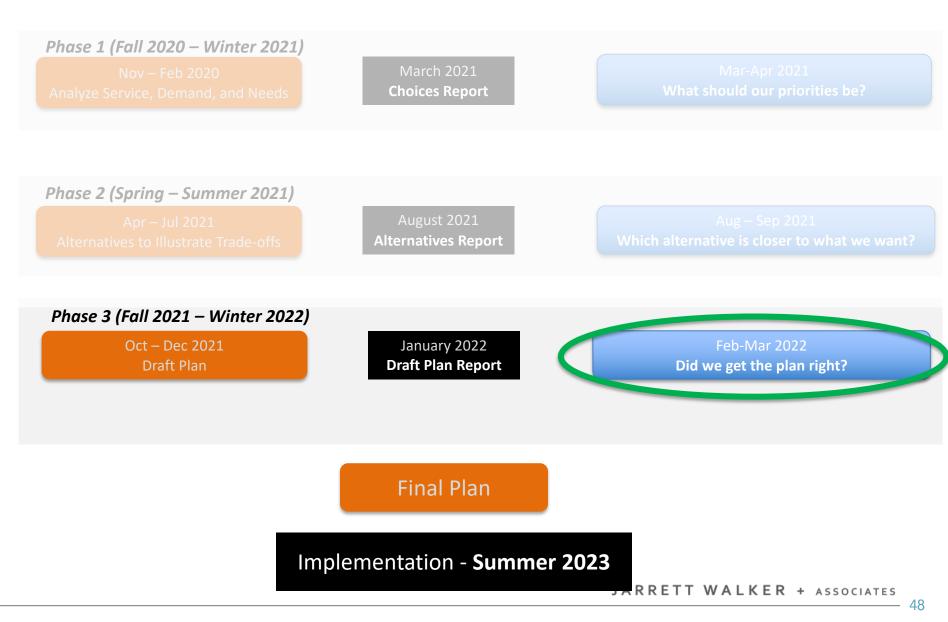


Next Steps

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What happens next?



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We appreciate your time and participation today.

Thank you!

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