



Mobility for all: Community as producers of transit innovation

2021 SCRA Biennial – June 23, 2021

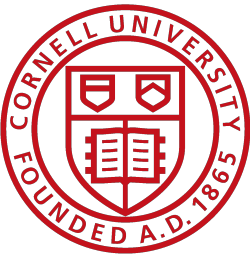
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NSF Grant No. 1952011.

This material is based upon work supported by the National Science Foundation under Grant No. 1952011.

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Roadmap



Poll

Let's take a quick poll



Have you ridden public transit in the city you currently live in?

Yes

No

My city does not have public transportation

How invested are you in completing surveys about transit?

Not at all

Somewhat

I'm not sure

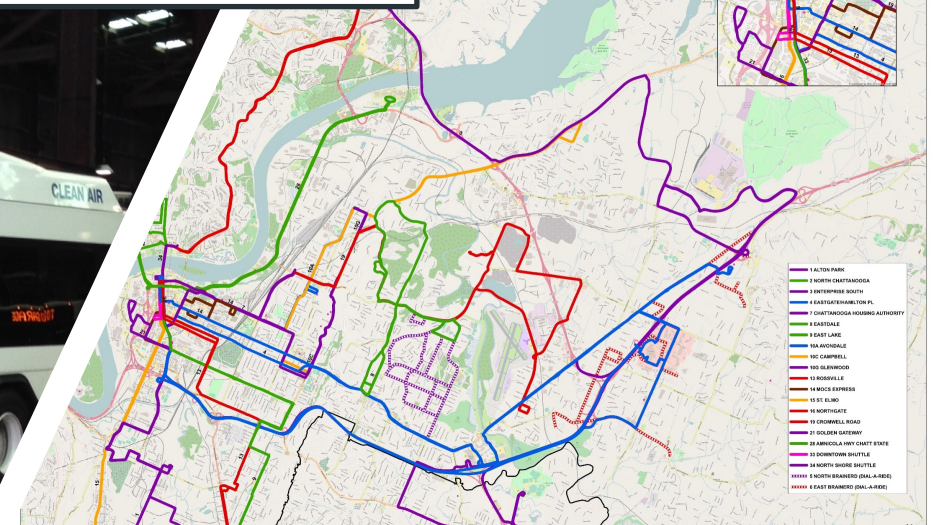
Quite a bit

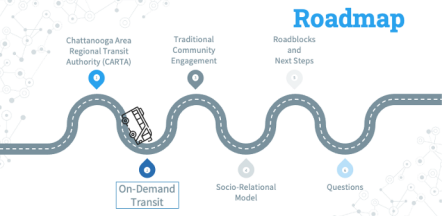
It's a must

What is the first word that comes to mind when you think of public transit?



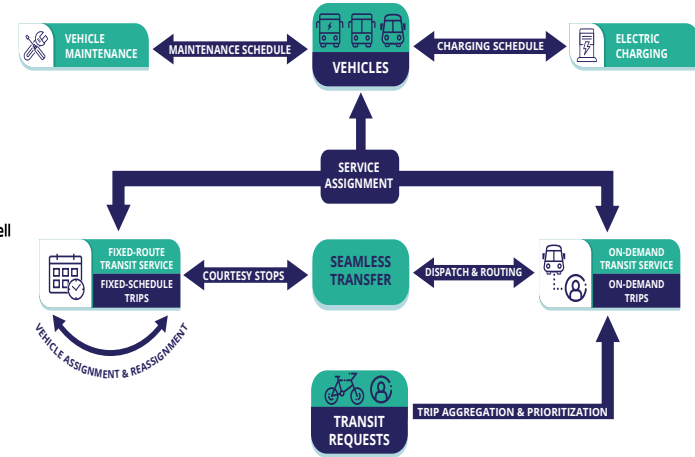
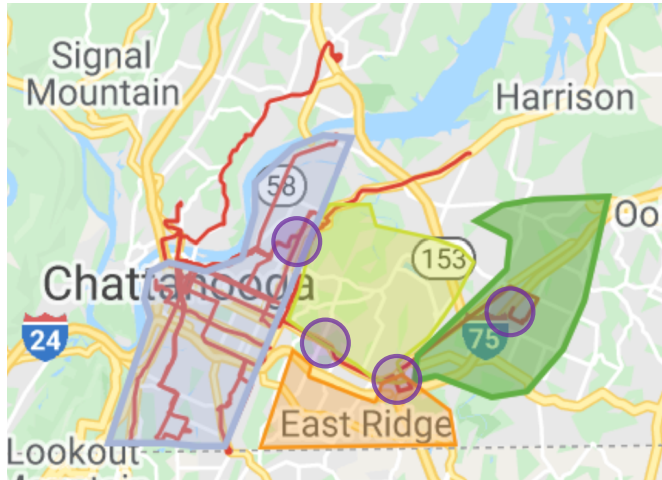
Our Community Partner is Chattanooga Area Regional Transportation Authority (CARTA)

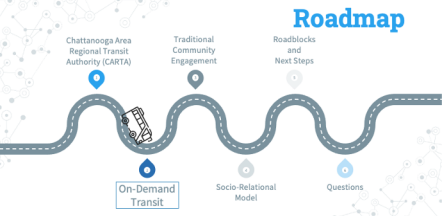




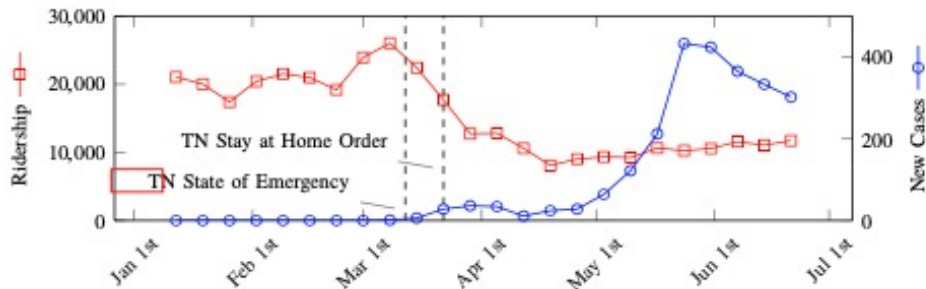
Our On-Demand Approach

Approach: Integrating the fixed-line service with on-demand service



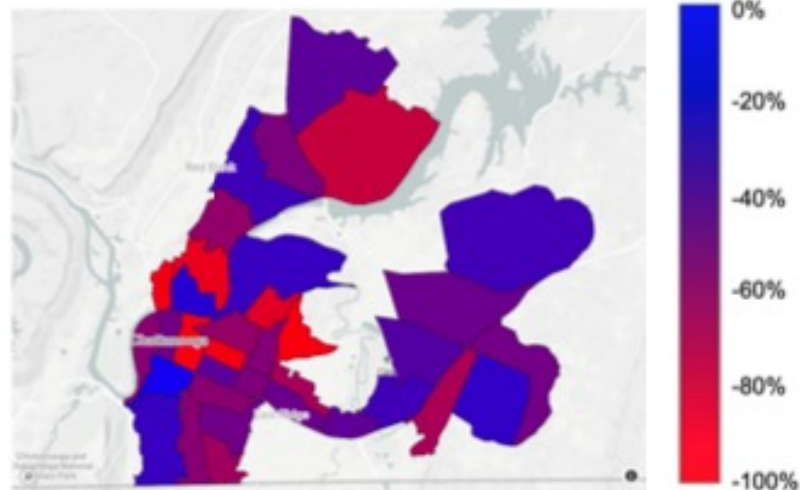


Demand is Dynamic



(b) Chattanooga

Weekly ridership compared to new COVID-19 cases per week for Chattanooga



Change in ridership between pre-COVID (January-February) and post-COVID (May-June) 2020 per census tract for Chattanooga



Community Engagement



Biggest challenge to previous transit initiatives has been engaging and sustaining ridership.



Public participation has been a central component of all past efforts (required by Federal Transit Authority [FTA]), yet community input has not yielded engagement with transit systems.



In reviewing past community engagement efforts, community members have been approached as consumers rather than producers of transit systems.



Socio-Relational Model

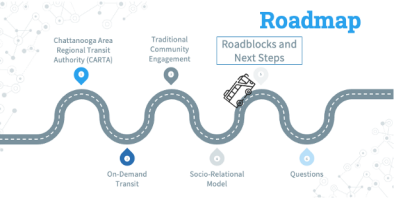
assumes people are complex, democratic citizens as opposed to rational consumers



Connect with existing networks

Uncover community values and needs

Translate values/needs into system design



Roadblocks

Top-down vs bottom-up

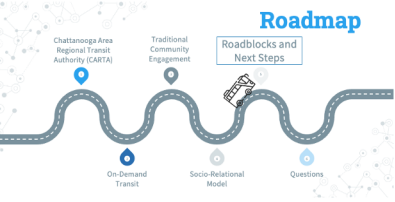
Historic and sustained power differentials between community and institutions

Latent demand

How to predict and explore latent demand of public transit

Sustainability

Establishing, maintaining, and prioritizing community relationships

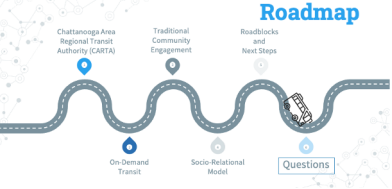


Next Steps

- ⊙ Navigating dynamic partnerships
- ⊙ Focus groups
- ⊙ Survey development
- ⊙ Iterative transit development



Downtown Chattanooga, TN



Thanks!

Any questions?

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