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National Center
for Applied Transit
Technology



Minnesota Technology Summit

August 17-20, 2020

Agenda and Logistics

- Introductions
 - Discussion: What do we want from transit technology?
 - Presentation: Structured approach to planning for and deploying tech
 - Presentation: Minnesota's existing tech infrastructure
-
- Chat Box – submit questions and ideas through chat feature
 - Functionality Notes Page – we'll collect to get all your thoughts



- National Technical Assistance Center
- Launched in late 2019
- Operated by Community Transportation Association of America
- Through a cooperative agreement with the Federal Transit Administration (FTA)



N-CATT's mission is to provide small-urban, rural, and tribal transit agencies with practical, replicable resources that help them apply technological solutions and innovations.

N-CATT is carrying out this mission by analyzing information, communicating it, helping transit systems plan, and encouraging implementation of cost-effective, value-adding technology.



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<https://n-catt.org/>

Victory Page



Purpose is to bring all Greater Minnesota transit systems together to:

- Learn about new and emerging transit technologies
- Identify the current state for technology including gaps
- Discuss technology problems and solutions collaboratively with other transit systems regionally (smaller workgroups) and collectively
- Identify (regional) actions/projects (i.e. technology solutions) that can be implemented or progress made toward in the short-term and can be used to inform the Statewide Transit Technology Plan (i.e. will set framework and identify system growth plans)

Goals of the Summit



Collaboratively identify (regional) transit technology solutions that can be initiated in the short-term (next 3-6 months) and beyond (12 months and longer) that compliment/improve the following opportunities. Additionally, we want to discuss and learn how to better plan and implement technology solutions more consistently across service areas and the state.

Question to answer: “What are the gaps and/or opportunities to improve regional technologies?”

Opportunities



- **Opportunity 1 – First to last mile service improvement.** As people’s lives become more and more personalized through technology, transit systems must reinvent their organizations to capture those opportunities as they come.
- **Opportunity 2 – Seamless convenience and user experience.** Technologies people choose to use are now so integrated in their lives that they have become a part of their identities, and transit systems should be using those identities to create new technology offerings.
- **Opportunity 3 – Operational efficiency/optimization.** Utilization of technologies for systems to collaborate, be innovative and cutting edge, while improving efficiency.
- **Opportunity 4 – Passenger safety.** Technology should improve and enhance the security and safety of passengers while using transit.
- **Opportunity 5 – Data/technology security.** Security of customer data and the operational/network data must be placed at the highest importance.

Introductions



- Andrew Carpenter – N-CATT
- Minnesota DOT
- TransitPlus
- Carol Schweiger – Schweiger Consulting

- **YOU**
 - Name, Organization, Three Words to describe yourself/your goals for summit/your passions/anything else

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What can make me/my staff more effective at my job?

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What can make my service more useful to our passengers?

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What would I need to attract more passengers to our service

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Where do you get your information to do your job? Where does that output go?

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What can be accomplished in house with existing staff?

Where is outside assistance needed?

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What do transit and other agencies need to be able to support each others' missions?

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What is the value-add for regions, agencies, and other departments?

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Consider other questions or perspectives – share them in the chat

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Do you have any questions?



QUICK BREATHER



Breakout Groups

- Districts 1, 2, 4 – Tuesday 9:00 to 11:00am
- Districts 3 and 7 – Tuesday 1:30 to 3:30pm
- Districts 6 and 8 – Wednesday 9:00 to 11:00am