

Jaunt Microtransit: Feasibility Study

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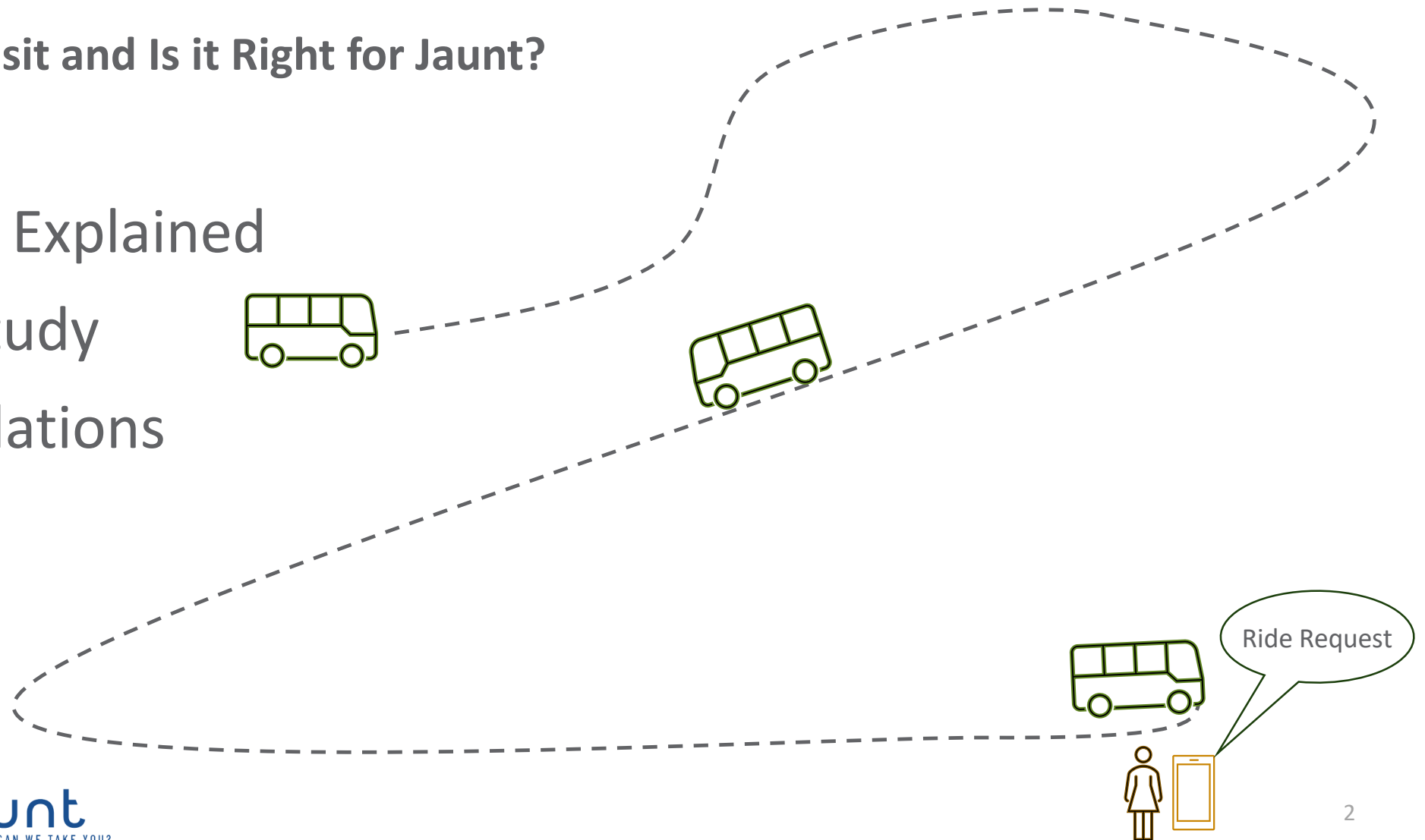
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Overview of Discussion

What is Microtransit and Is it Right for Jaunt?

- Microtransit Explained
- Feasibility Study
- Recommendations



What is Microtransit

Microtransit is...

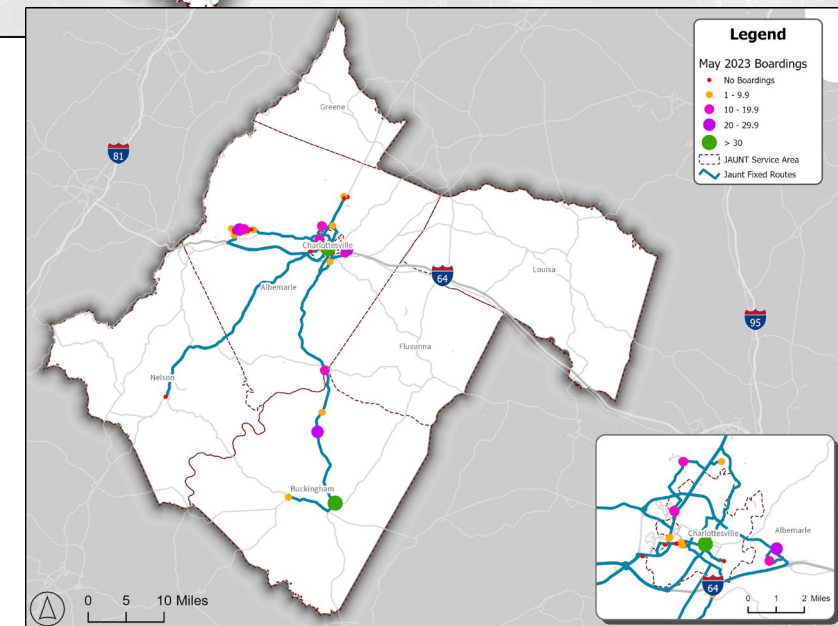
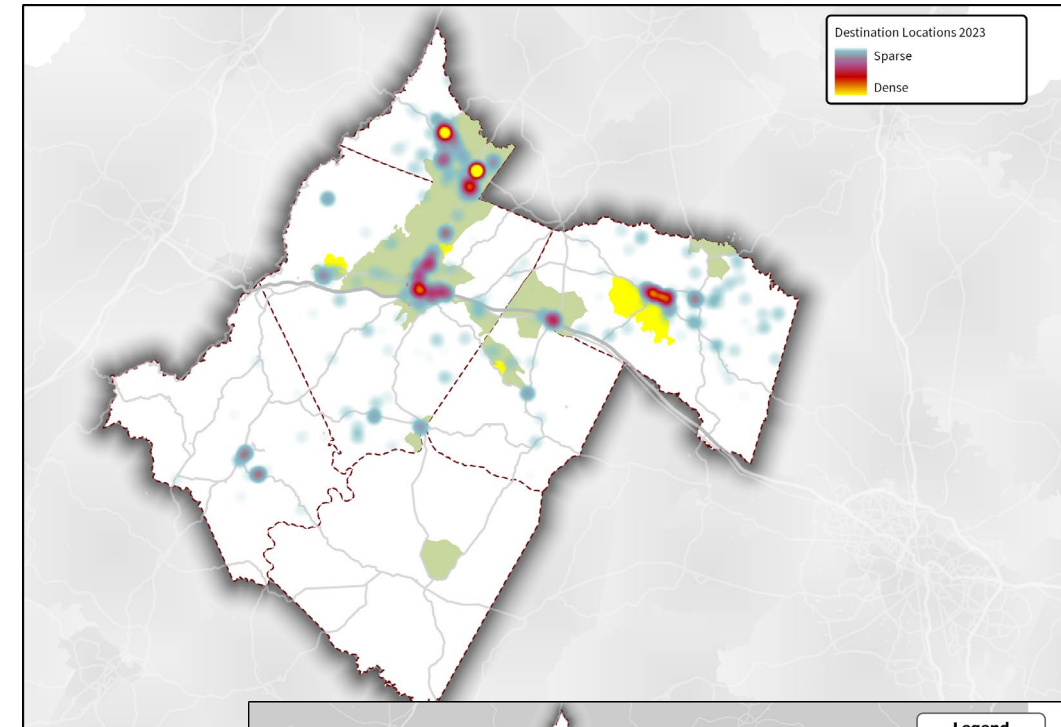
- An on-demand mobility service
- Curb-to-curb service on request in zone
- Requests by App, Browser, Call Center
- Immediate and scheduled travel
- Account-based customer profile
- Algorithms continually optimize service
- Community branded, ADA compliant



What is Microtransit

Is it right for Jaunt?

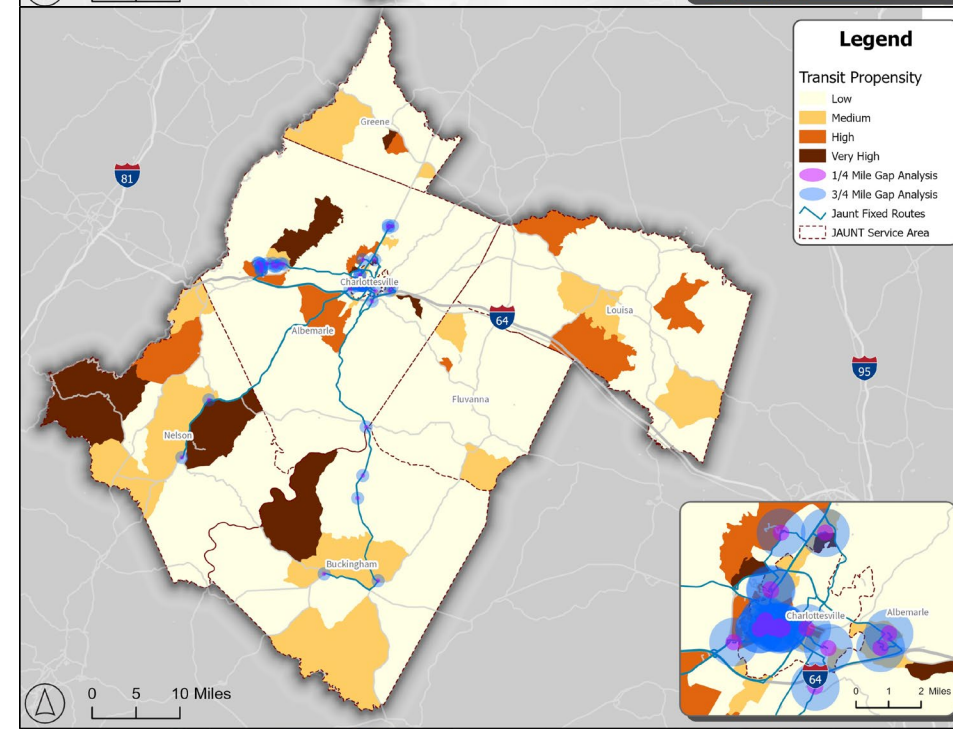
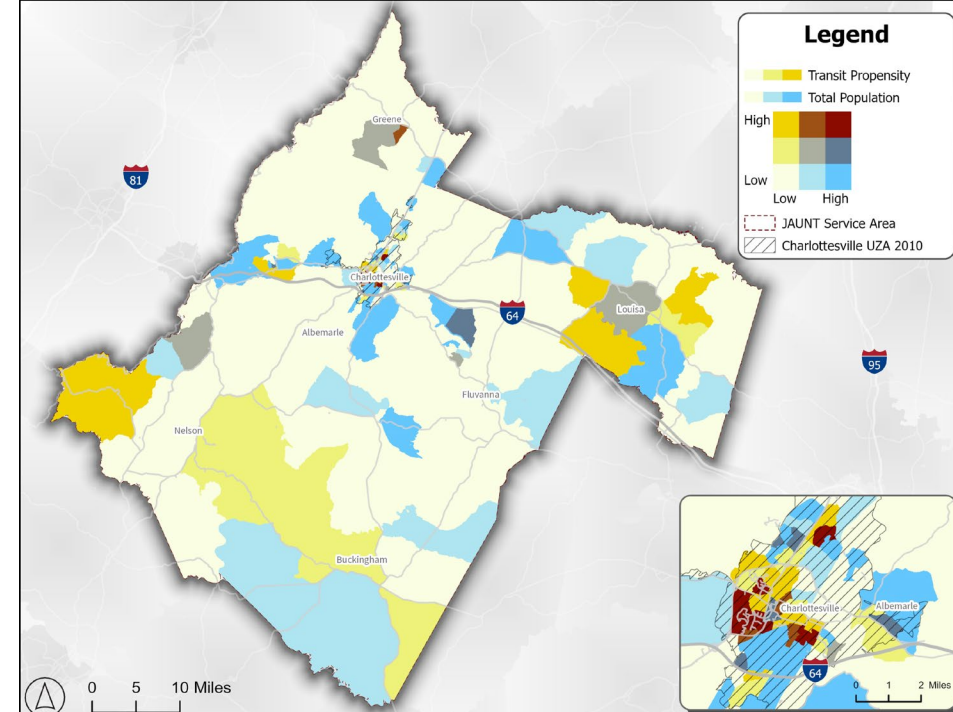
- Enhances existing operating model
- Expands ways to request rides, including immediate, same day, future
- Expands access to mobility across Jaunt service area for ADA and general-public riders
- Improves operating performance, productivity, cost per passenger trip
- Operational flexibility to meet demand



Feasibility Study – Approach

- Evaluate mobility needs, services, service gaps
- Develop concepts of operations and viability analysis
- Assess ADA accessibility and compliance
- Quantify operating requirements, demand, costs
- Define Software-as-a-Service (SaaS) requirements
- Use Jaunt vehicles and drivers to operate service

Clearly define the purpose and objectives!



Feasibility Study – ADA Service

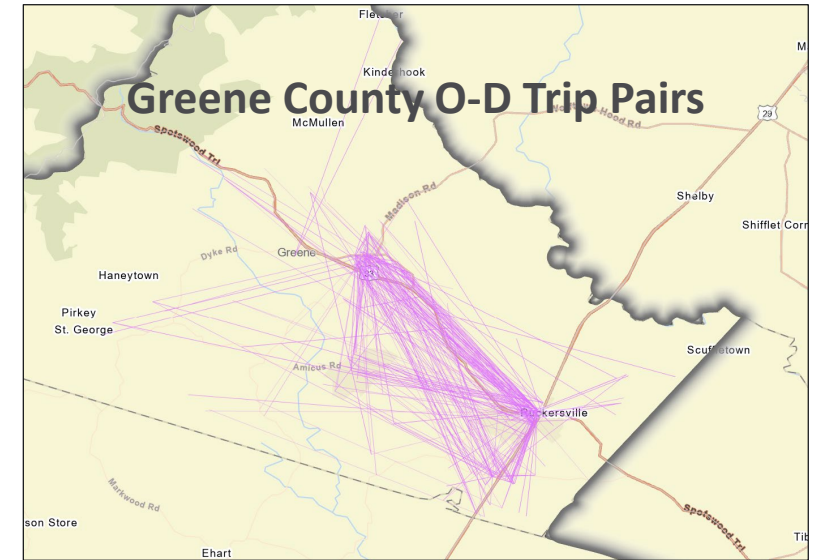
- Test ADA Paratransit as Microtransit
- All riders are ADA eligible
- Serves the ADA Zone
- Fully ADA compliant
- Same day and scheduled trips
- Examine impacts for riders
- Examine impacts on operations
- Assess fiscal impacts
- Expected to increase efficiency
- Propose for pilot service



	Percent of Total Existing Trips				
	Monthly Trips	40%	50%	60%	70%
Total ADA Trips (Month)	7,902	7,902	7,902	7,902	7,902
Trips Served at Existing Productivity	7,902	4,741	3,951	3,161	2,371
Trips Served at Micro Productivity	0	3,161	3,951	4,741	5,531
Rev-Hours at Existing Productivity	3,592	2,155	1,796	1,437	1,078
Rev-Hours at Micro Productivity	0	878	1,098	1,317	1,537
Net Revenue Hours	3,592	3,033	2,885	2,754	2,615
Shift in Net Productivity	2.2	2.6	2.7	2.9	3.0

Feasibility Study – Greene County

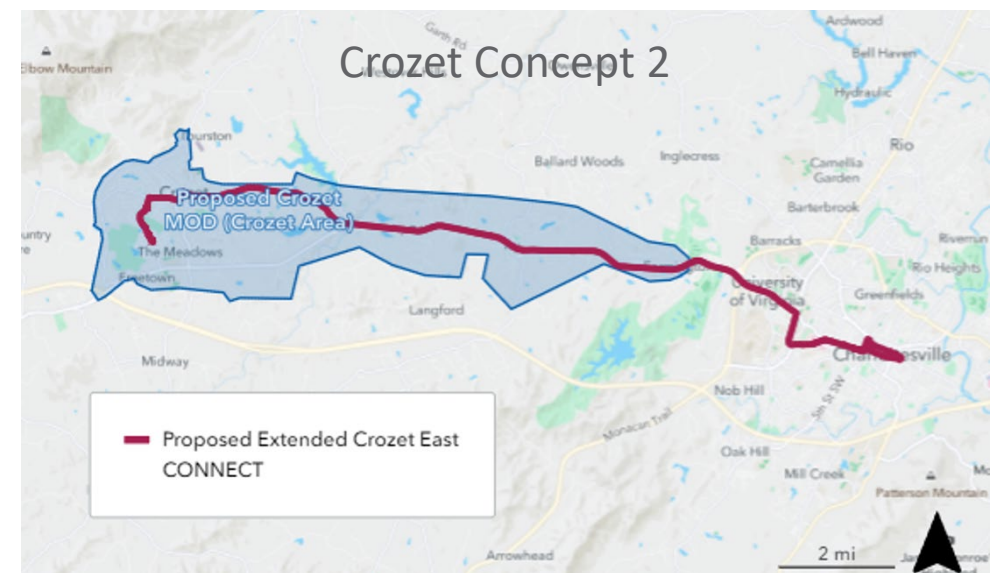
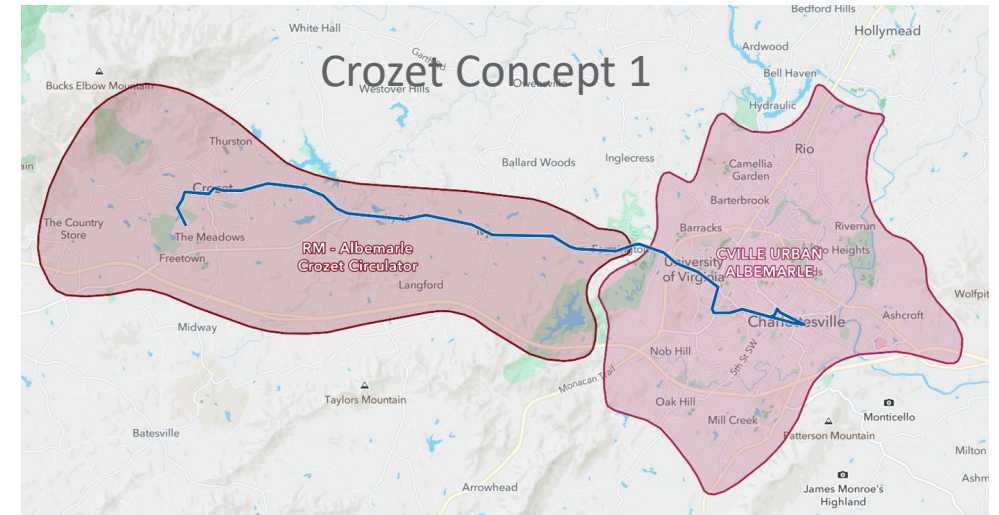
- Test Greene County Microtransit
- Adopt microtransit model
- Serve Circulator trips
- Focus on Stanardsville/Ruckersville
- Assess potential for Link trips in pilot stage
- Assess extension of US 29 N
- Will need fewer peak vehicles
- Will increase productivity
- Will serve more riders
- Propose as a pilot



Existing Greene Services					
	Rev Hours/Wk	Rev Hours/Yr	Rides/Hr	Ridership	VOMS
Greene Link (All Links)	42.32	2,201	2.34	5,141	3
Greene Circulator	117.13	6,091	2.01	12,243	6
Total	159.46	8,292	2.10	17,384	9
Proposed Greene Microtransit (Up to 25% Increase)					
	Rev Hours/Wk	Rev Hours/Yr	Rides/Hr	Ridership	VOMS
Greene Link (All Links)	42.32	2,201	2.34	5,141	3
Greene Circulator	117.13	6,091	2.51	15,304	3
Total	159.46	8,292	2.47	20,445	6

Feasibility Study - Crozet

- Test Crozet Microtransit
- Concept 1 – Circulator, Link, Connect
- Concept 2 – Connect & Microtransit
- Microtransit serves local trips curb-to-curb
- Transfer to/from Connect trips
- More direct Connect route reduces rev-hours
- Increase in Circulator demand adds rev-hours
- Lower priority for pilot consideration



Recommendations

- 1) Advance microtransit as a *pilot to serve ADA needs* in the UZA. Benefits all riders. Same day service. Improved productivity and cost-effectiveness.
- 2) Advance *Greene County microtransit pilot*. High existing ridership. Improves access to mobility. Attracts broader rider market. Better connects places in Greene County. Improved productivity and cost-effectiveness. Consider extending US-29 N Connect to Ruckersville in future if future demand dictates.
- 3) To advance microtransit, *Jaunt will need to license a cloud-based SaaS platform* to facilitate ride requests, fare payment, trip planning, service optimization, and best meets the needs of Jaunt and the community.
- 4) Consider *future microtransit pilots* for Crozet and other communities after experience gained from initial pilots and if warranted.

Open Discussion



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