

Project Advisory Committee Meeting #2

Sept. 21, 2022



Agenda & Introductions

Welcome Shannon Stevenson, NCTCOG

Project Overview Scott Boone, Cambridge Systematics

Public Engagement Leigh Hornsby, PIA

Existing Conditions Scott Boone

Scenario Development Jim Baker, Nelson\Nygaard

Next Steps Scott Boone

Questions + Answers Scott Boone

PROJECT OVERVIEW

Project Overview





Project Outcomes







PAC Objectives

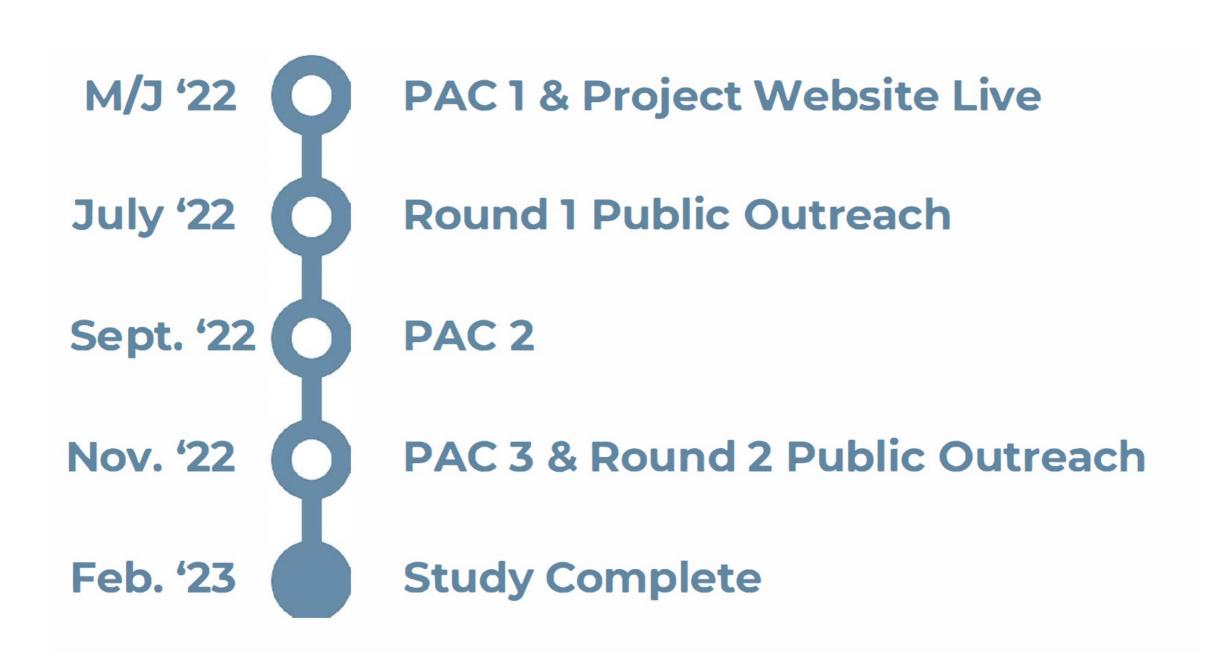
Make sure we have the right people in the room.

Bring to the surface any relevant history, areas of investigation, ideas, and obstacles.

Describe **next steps** in the study.

Highlight opportunities for **future input** and engagement.

Project Schedule

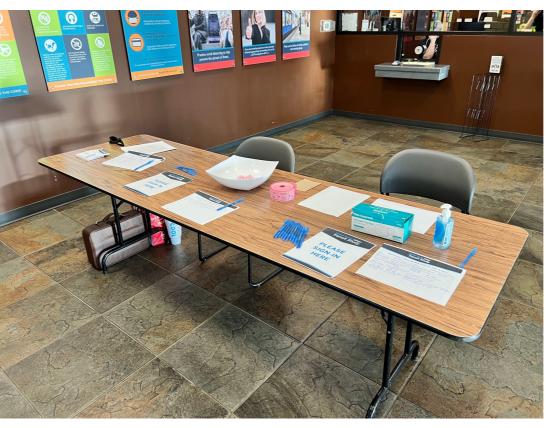


PUBLIC ENGAGEMENT

Public Meeting

Thursday, September 8, 2022, 6:30 pm DCTA Downtown Denton Transit Center







Public Meeting

Number of Attendees: 51 Number of Breakout Sessions: 6





Public Meeting

Key Takeaways

- Concern over fixed-route elimination in Denton
- Strong desire for buses to replace GoZone
 - Concerns over safety and timing of GoZone
- Better syncing of buses to trains
- Mechanisms for getting to Plano and other cities from Denton

Survey

SURVEY EXTENDED ONE MORE WEEK



We want to hear from you!

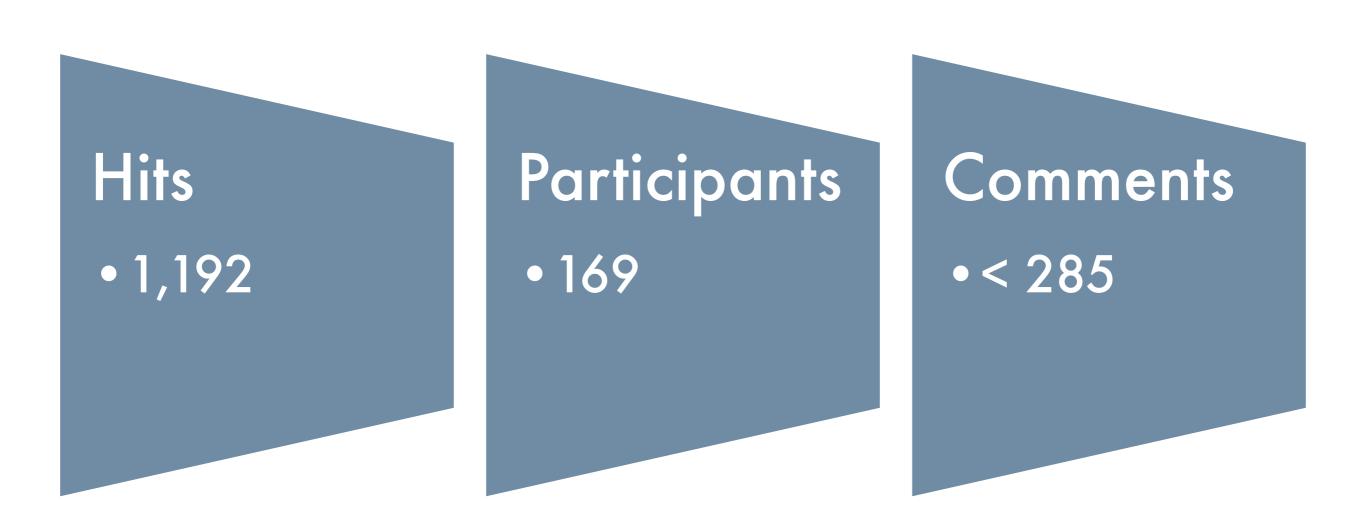
Participate in our survey, now open through Oct. 1.

Go to:

bit.ly/DentonCoTransitStudy to learn more and provide your input.



Website + Survey Statistics



Total Virtual Responses to Date: 3,936

Project Website

bit.ly/DentonCoTransitStudy

NCTCOG > Denton County Transit Study

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Denton County Transit Study

Welcome to the Denton County Transit Study Website!

Initiated in March 2022, the Denton County Transit Study aims to develop a comprehensive public transportation plan, particularly for cities and portions of the county that are not members of the Denton County Transportation Authority (DCTA). Efforts will focus on strategic implementation and coordination with other planning efforts. The study will identify transit options, funding and implementation strategies, governance structure and the institutional delivery approach of recommended services or projects, and potential impacts on the community. A Transit Vision, along with specific goals and objectives, will be developed that guide the transit planning process, recommendations, and implementation.

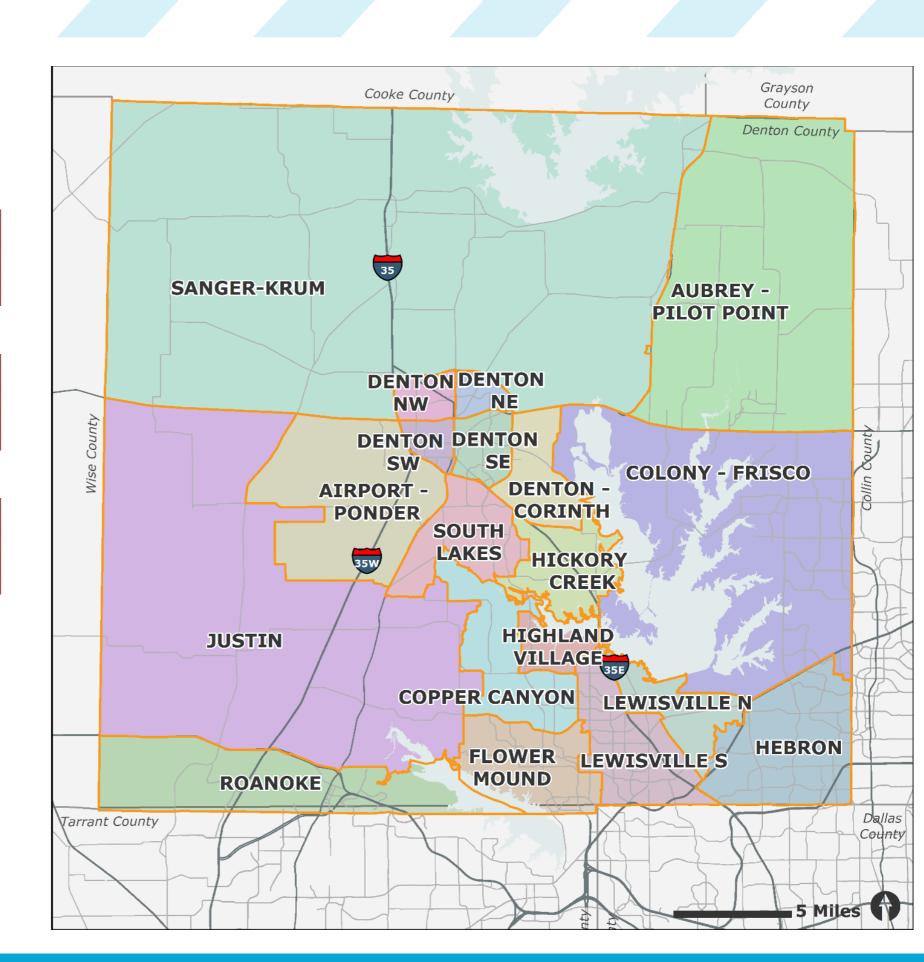
EXISTING CONDITIONS

Existing Transit Services

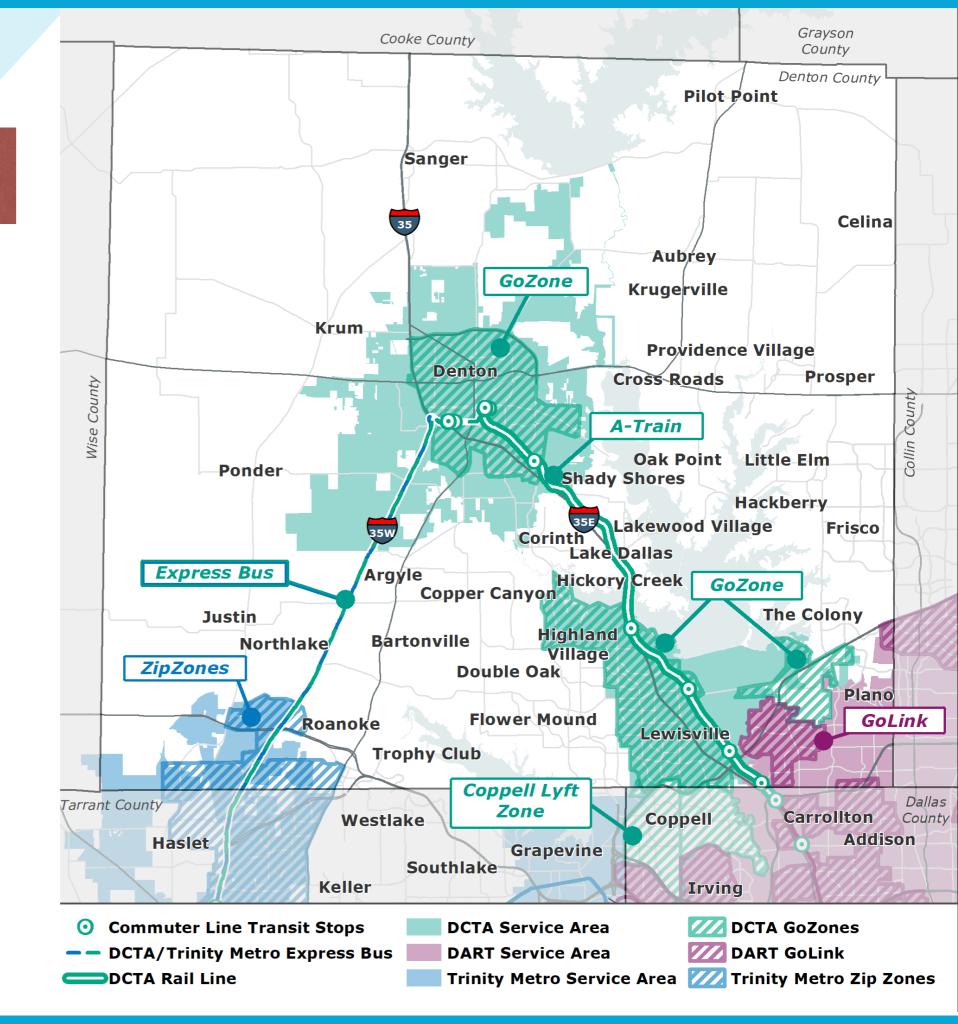
Demand for Transit

Services

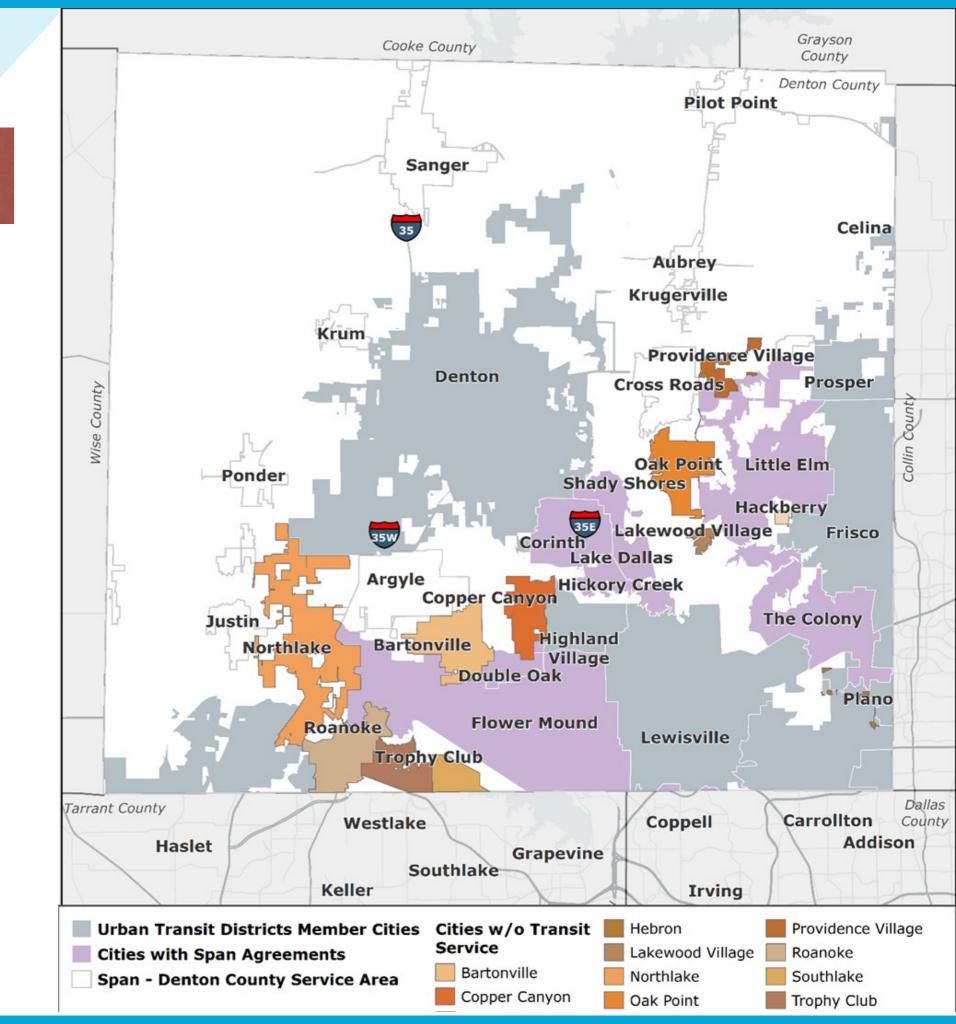
Gaps between Demand and Services



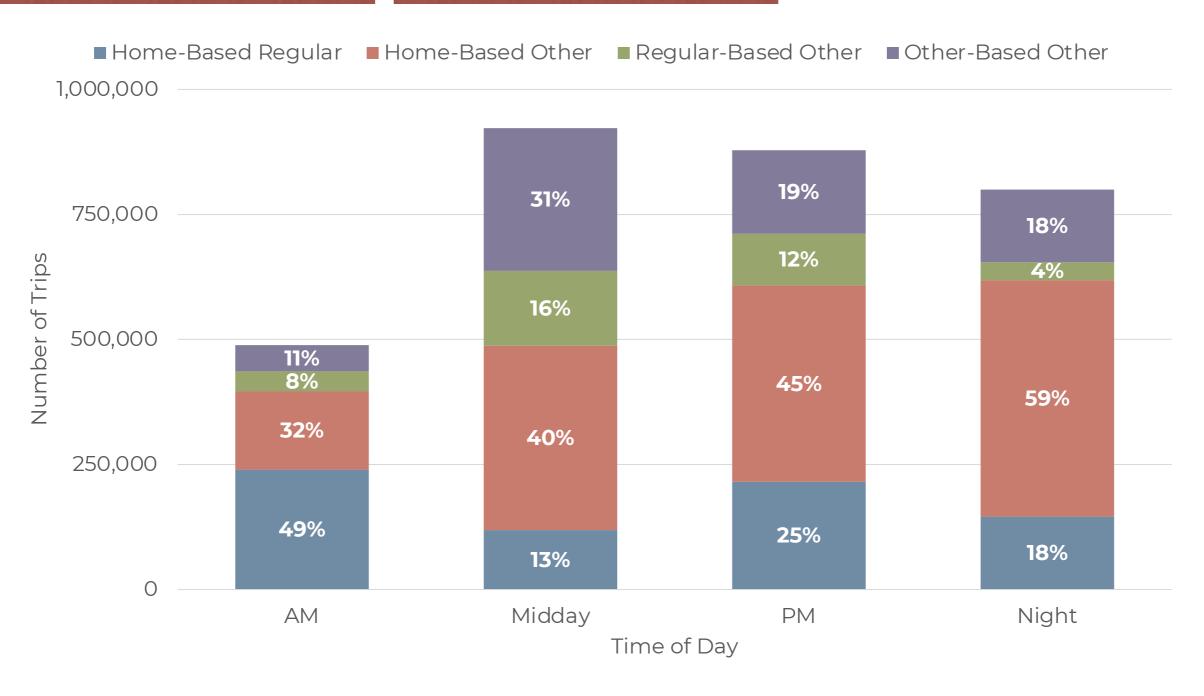
Existing Transit Services



Existing Transit Services



Purpose and Time of Day



County Trip Flows

destination

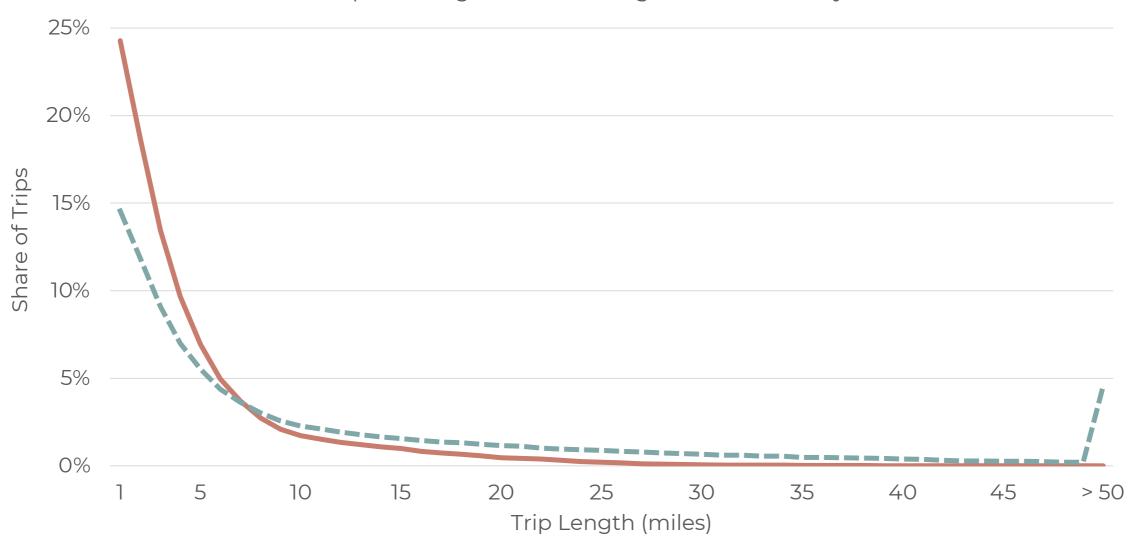
origin

	Dallas	Tarrant	Collin	Denton
Dallas	7,325,800	478,300	431,300	256,200
Tarrant	475,000	5,793,700	42,700	127,900
Collin	431,300	46,000	2,353,900	182,900
Denton	260,200	130,300	181,200	1,812,500

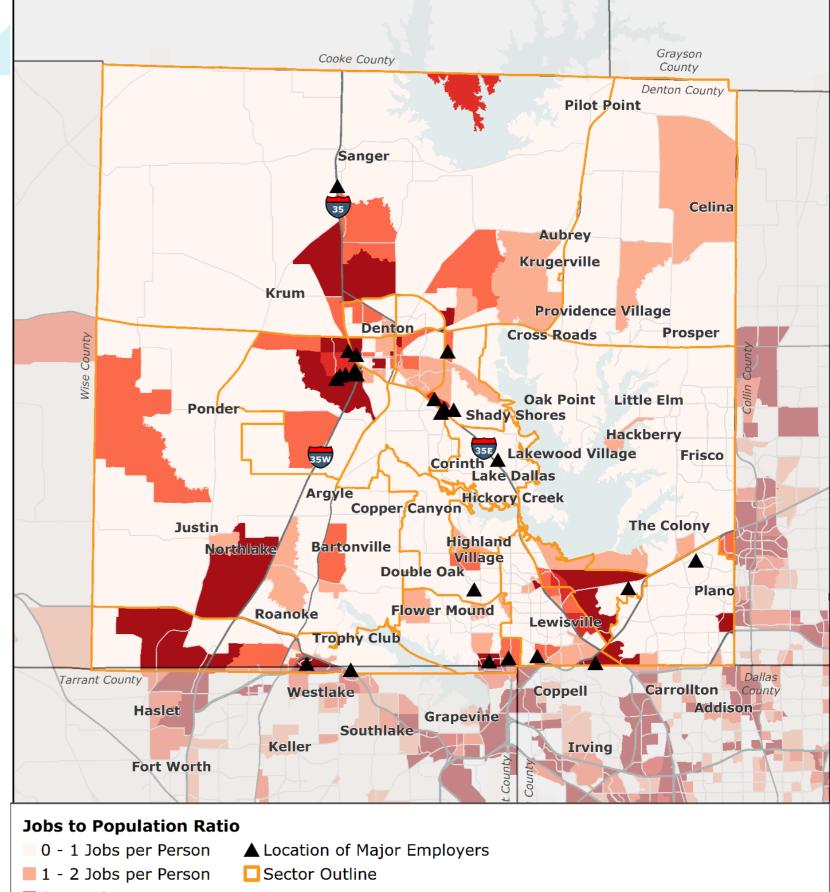
Demand for Transit

Trip Distance

- —Trips Starting AND Ending in Denton County
- -- Trips Starting AND/OR Ending in Denton County



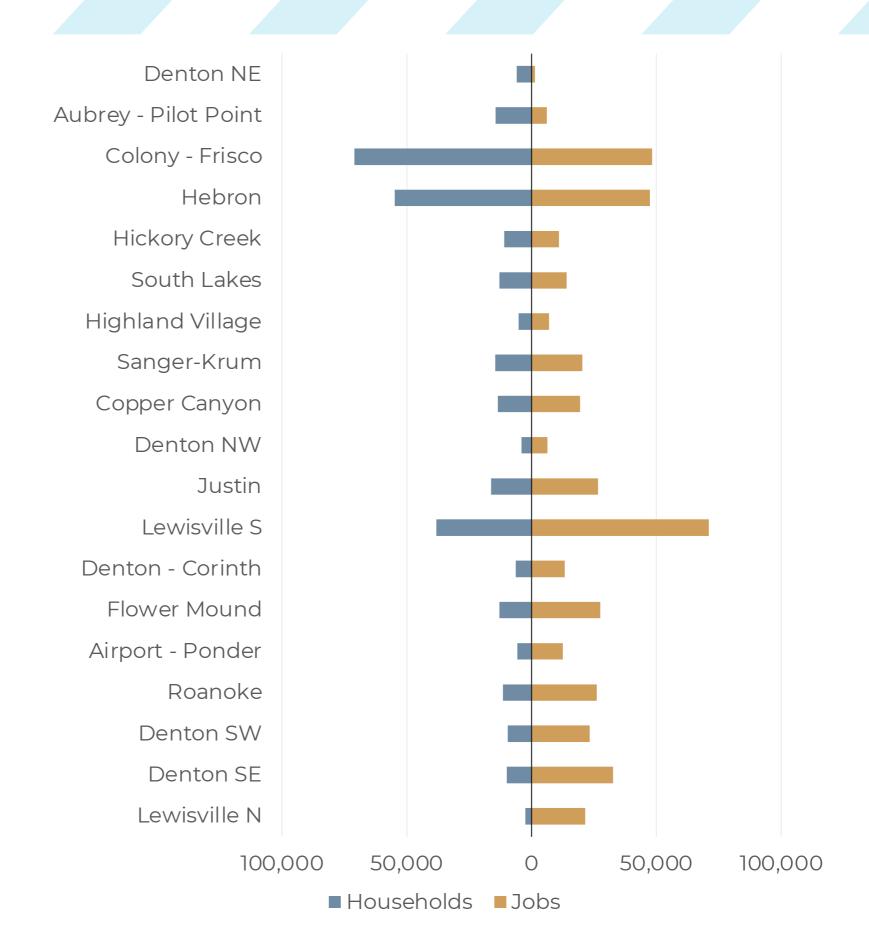
Job-Worker Balance

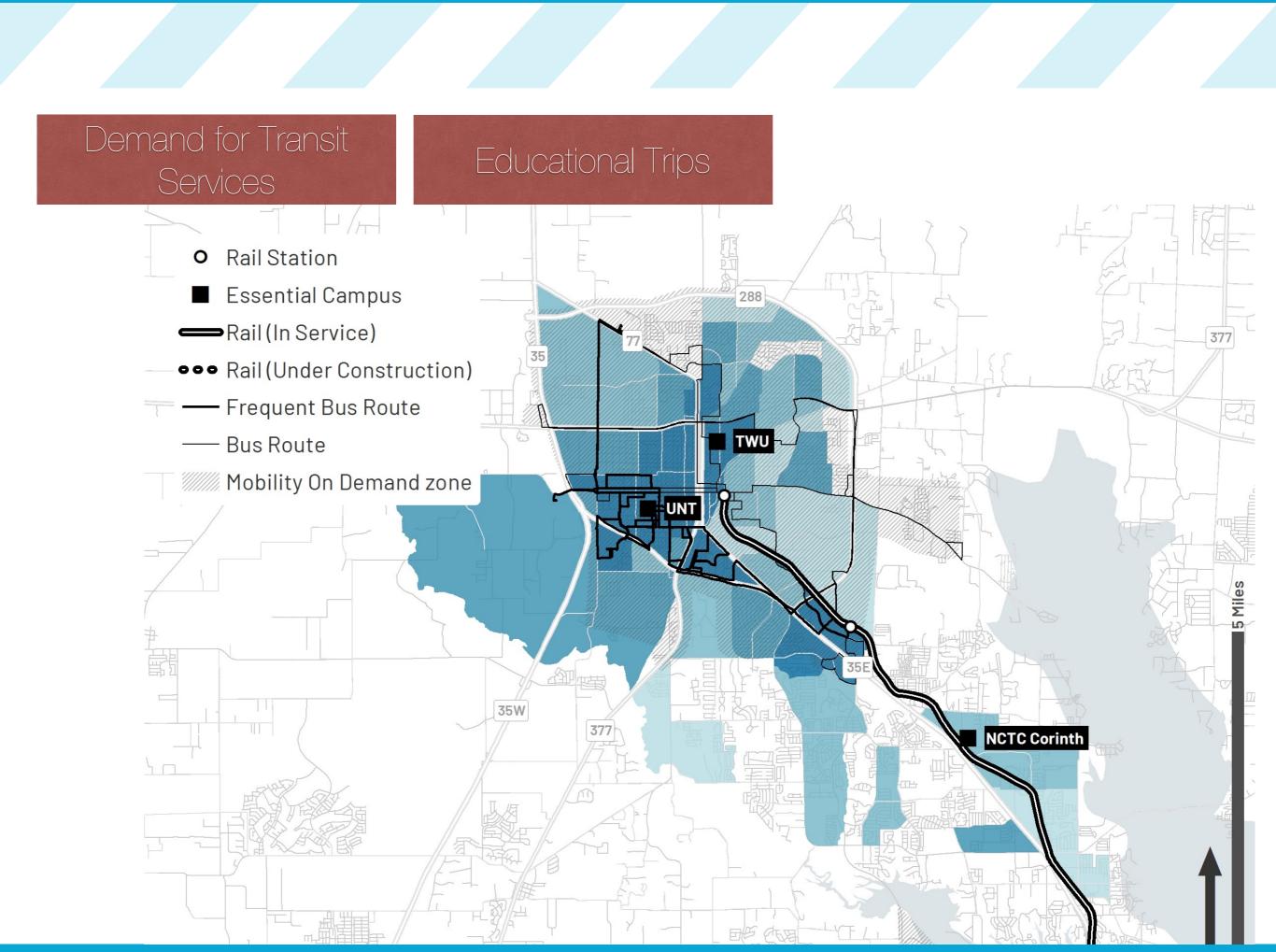


- 2 4 Jobs per Person
- 4 5 Jobs per Person
- > 5 Jobs per Person



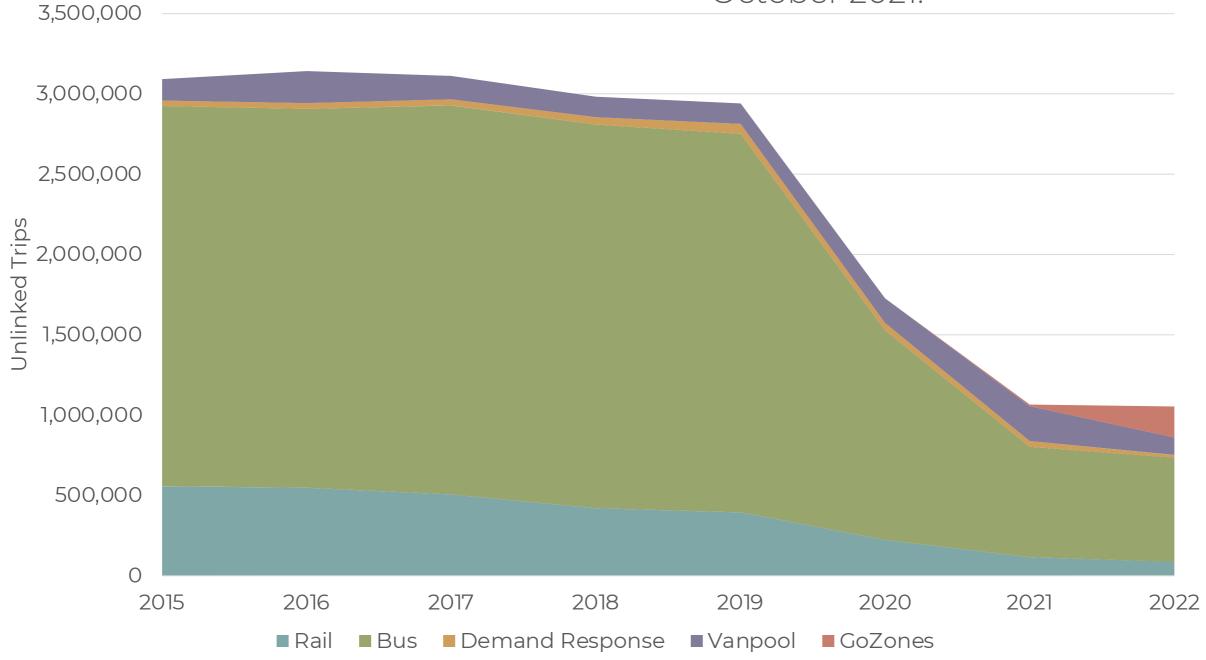
Job-Worker Balance





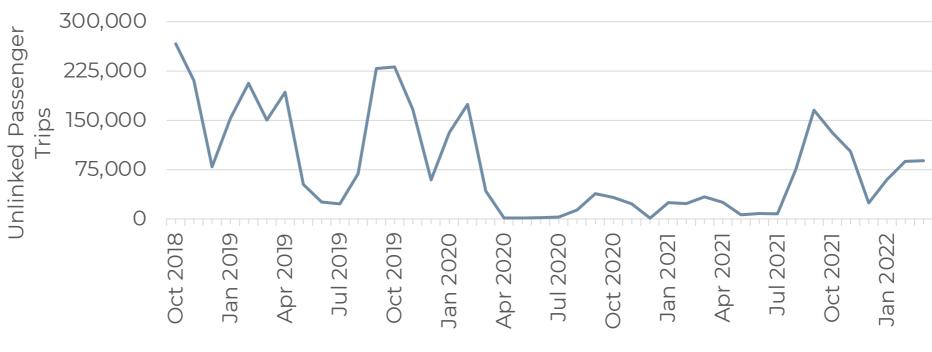
Demand for Transit

Source: National Transit Database (2015-2020) and DCTA data (2021–March 2022). Note that FY 2022 data (1) are incomplete and (2) begin in October 2021.

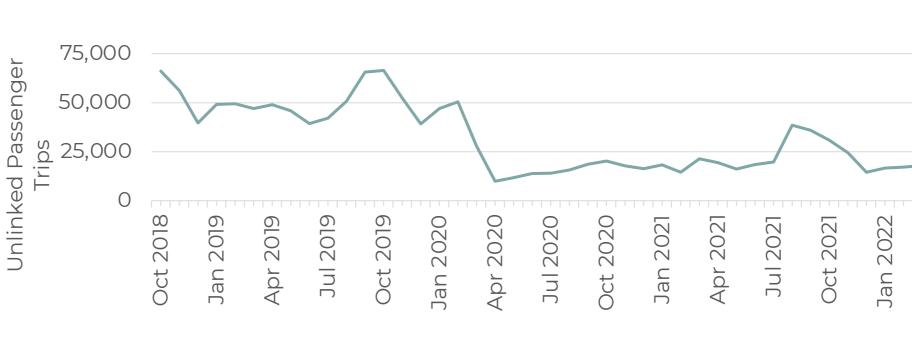


Fixed Route

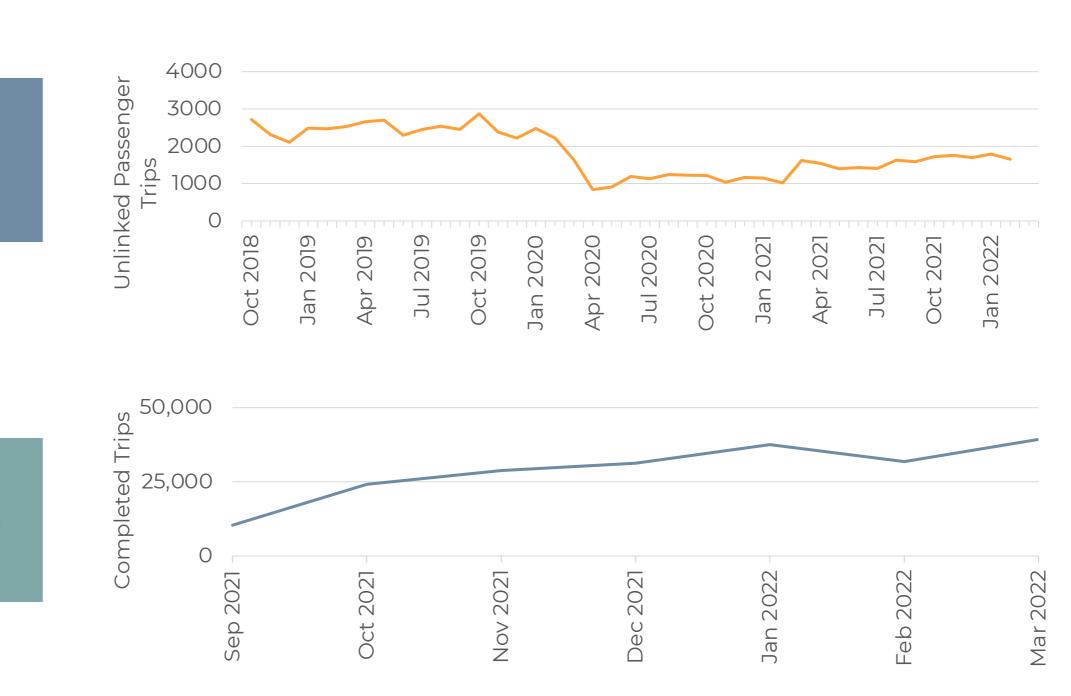




Denton Connect



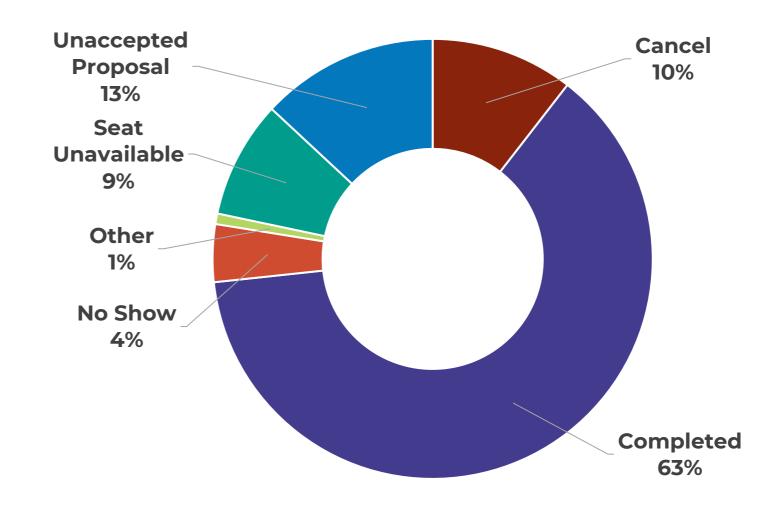
On-demand/ Demand response



Gozone

On-demand/ Demand response

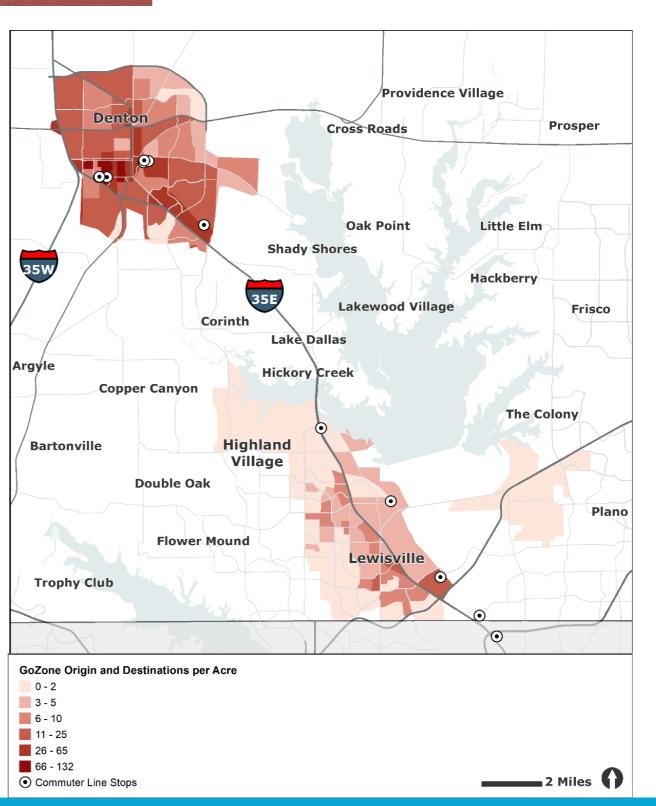
GoZone



Demand for Transit

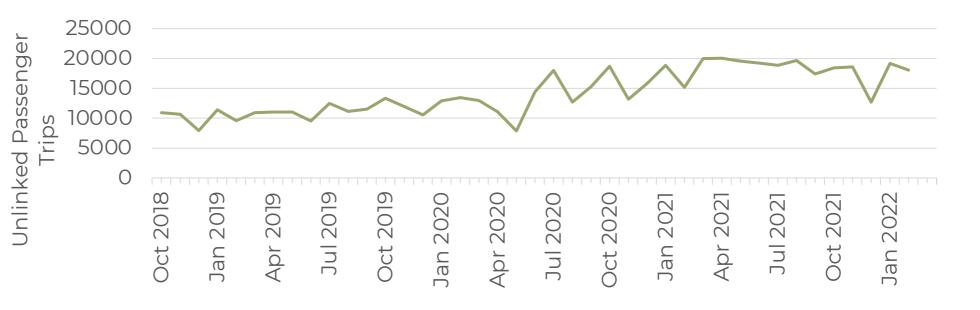
On-demand/ Demand response



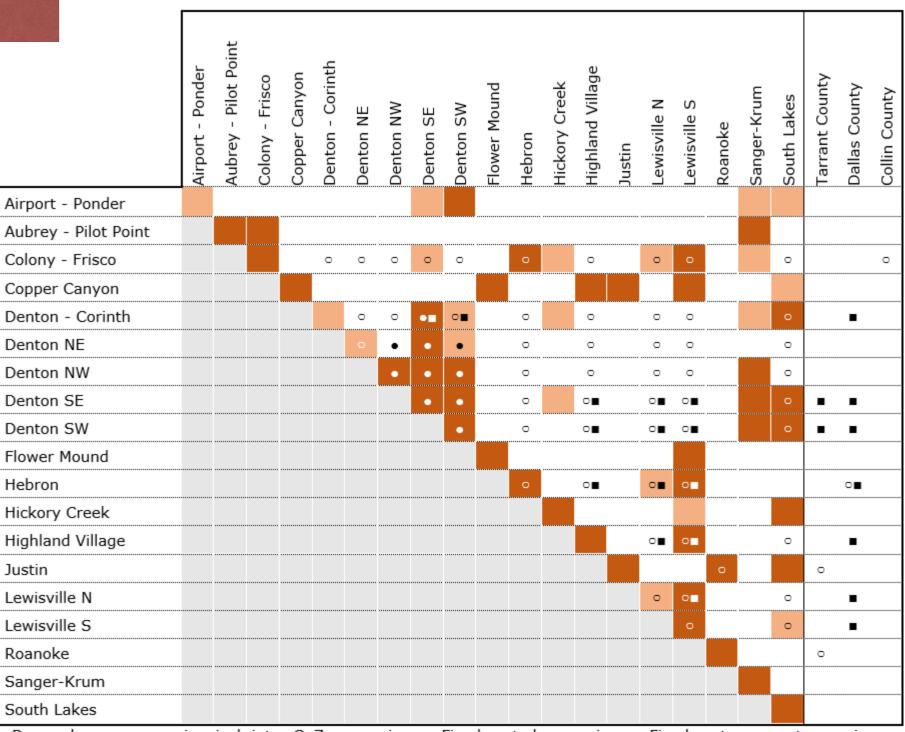


Regional





Gaps between Demand and Services



- Demand response service, incl. inter-GoZone services Fixed-route bus services Fixed-route commuter services
- More than 10,000 weekday trips More than 5,000 weekday trips

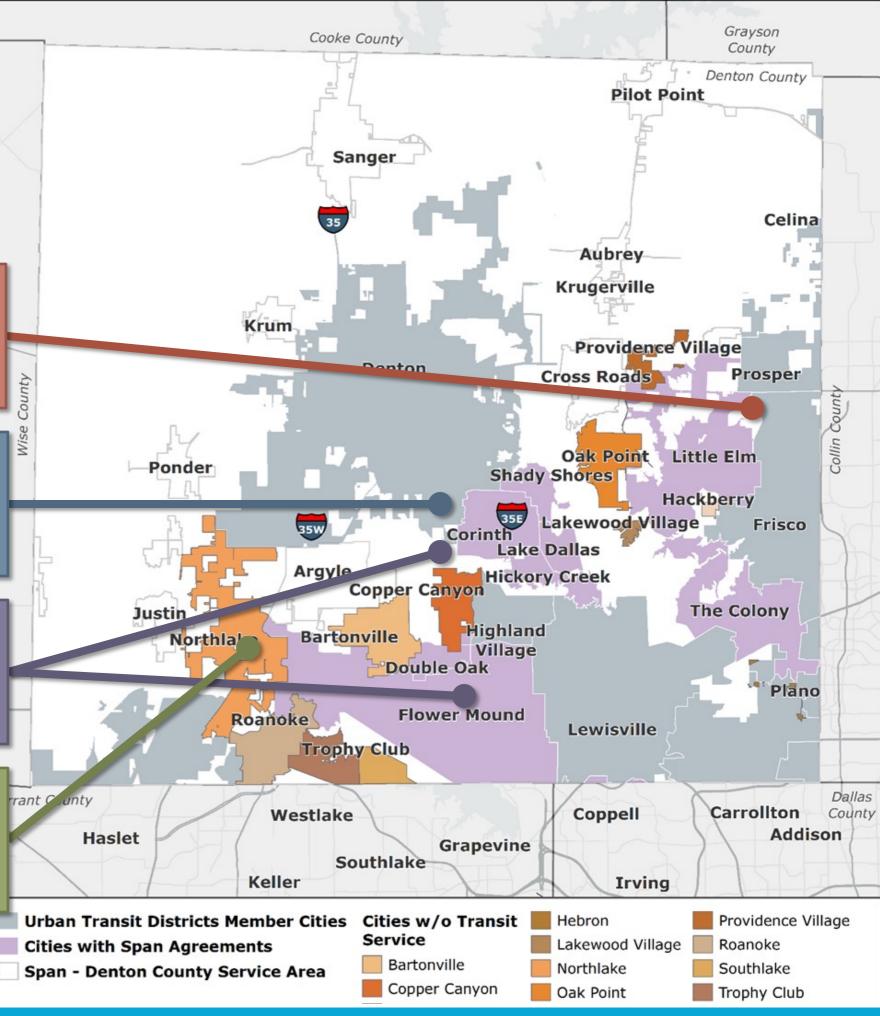
Gaps between Demand and Services

Fast-growing areas near The Colony and Frisco; and Rural areas to the north and west of the county.

Areas outside the I-35/Loop 288 region in the City of Denton;

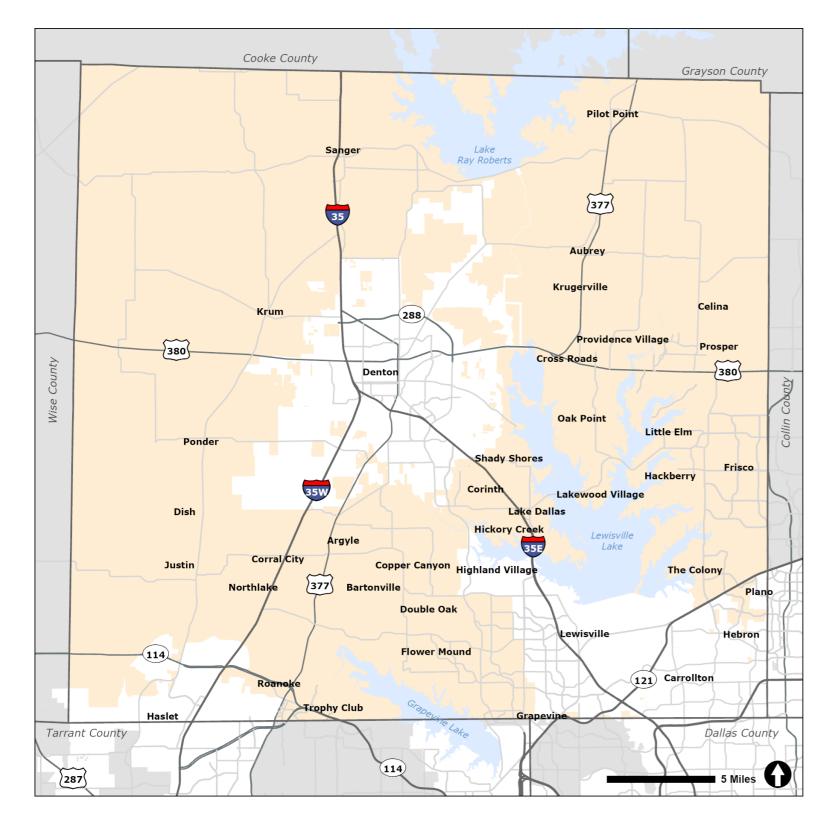
Established but underserved areas along I-35E, including Corinth, Copper Canyon, and Flower Mound;

Fast-growing areas along the I-35W corridor between Denton and Fort Worth;



SCENARIO DEVELOPMENT

Area of Focus



Areas of Denton

County outside of
existing transit
service area districts

Scenario Development

Local Travel Priorities:

- Connections within a community
- On-Demand transit modes

Inter-County Travel Priorities:

- Connections to destinations within Denton County
- Potential mix of fixed route and on-demand transit modes

Regional Travel Priorities:

- Connections to major regional employment centers
- Regional transit services, van pool program expansion

Local Travel

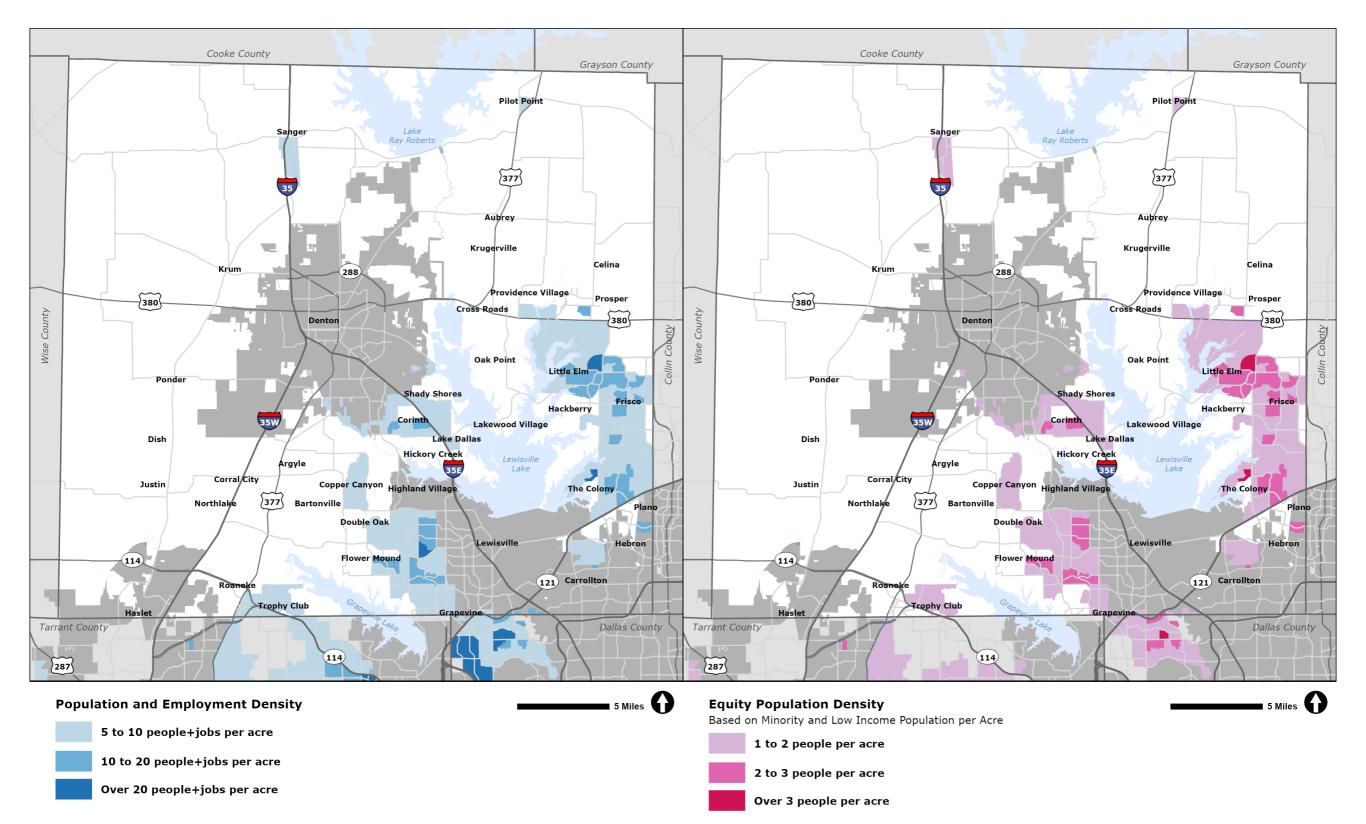


Population and employment densities

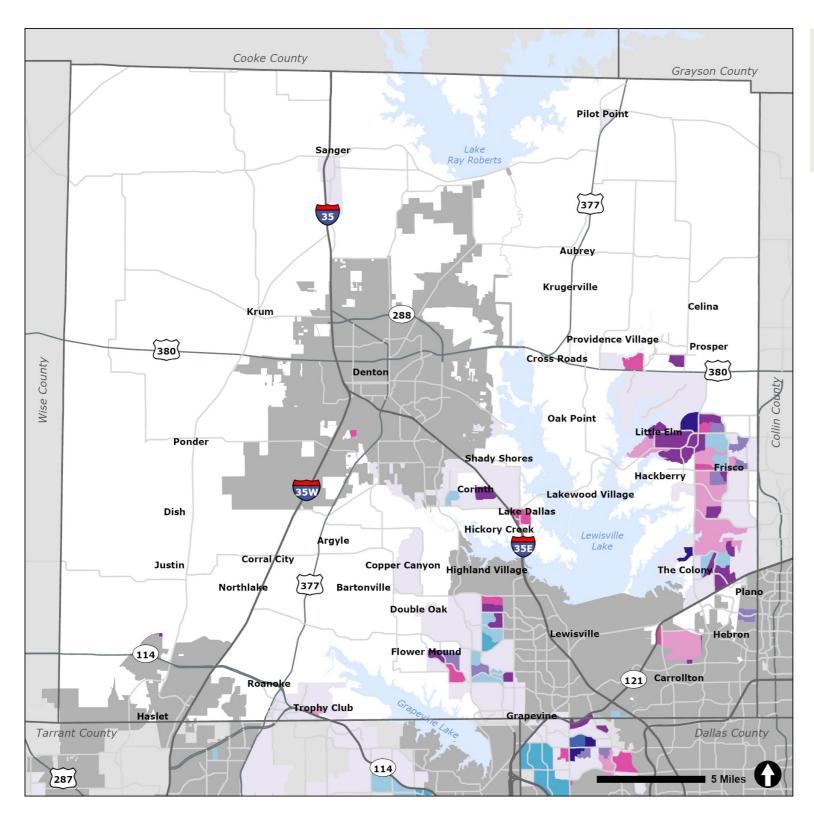


Equity population (minority population and low-income household densities)

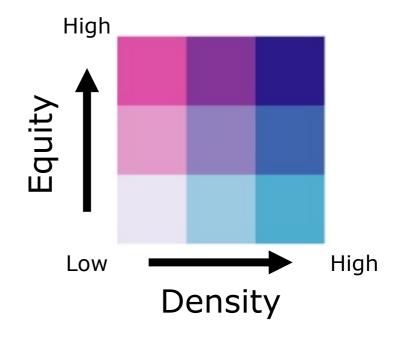
Local Travel



Local Travel

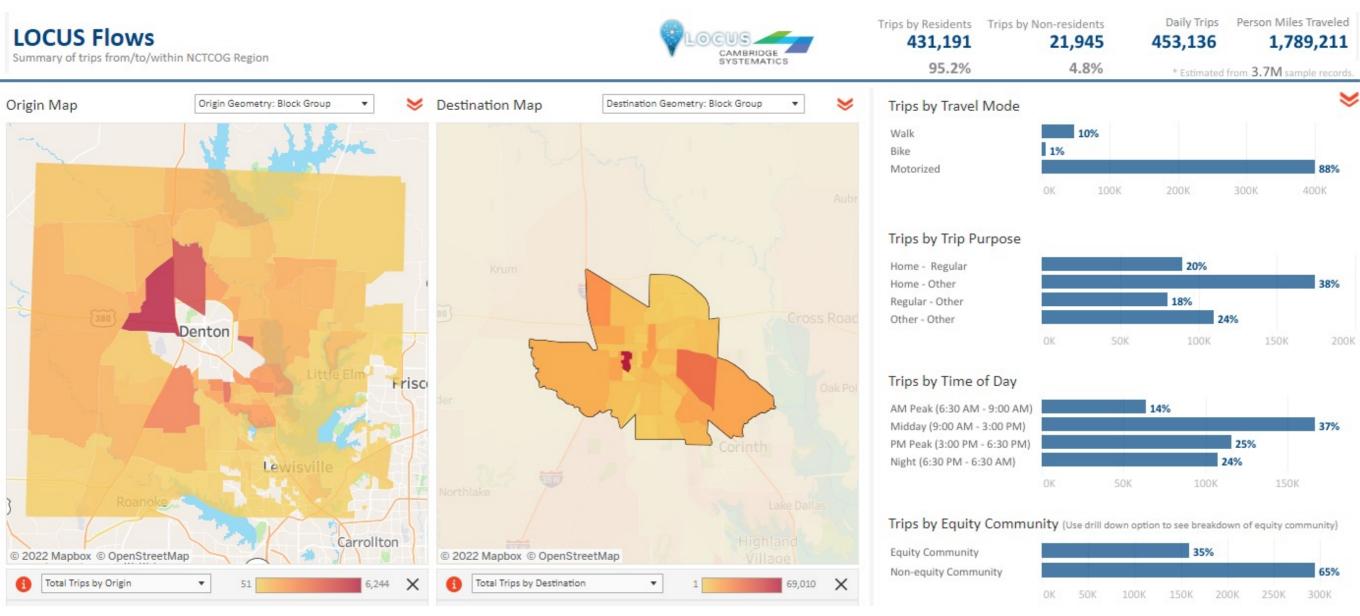


Composite Needs Assessment



Existing Service Area

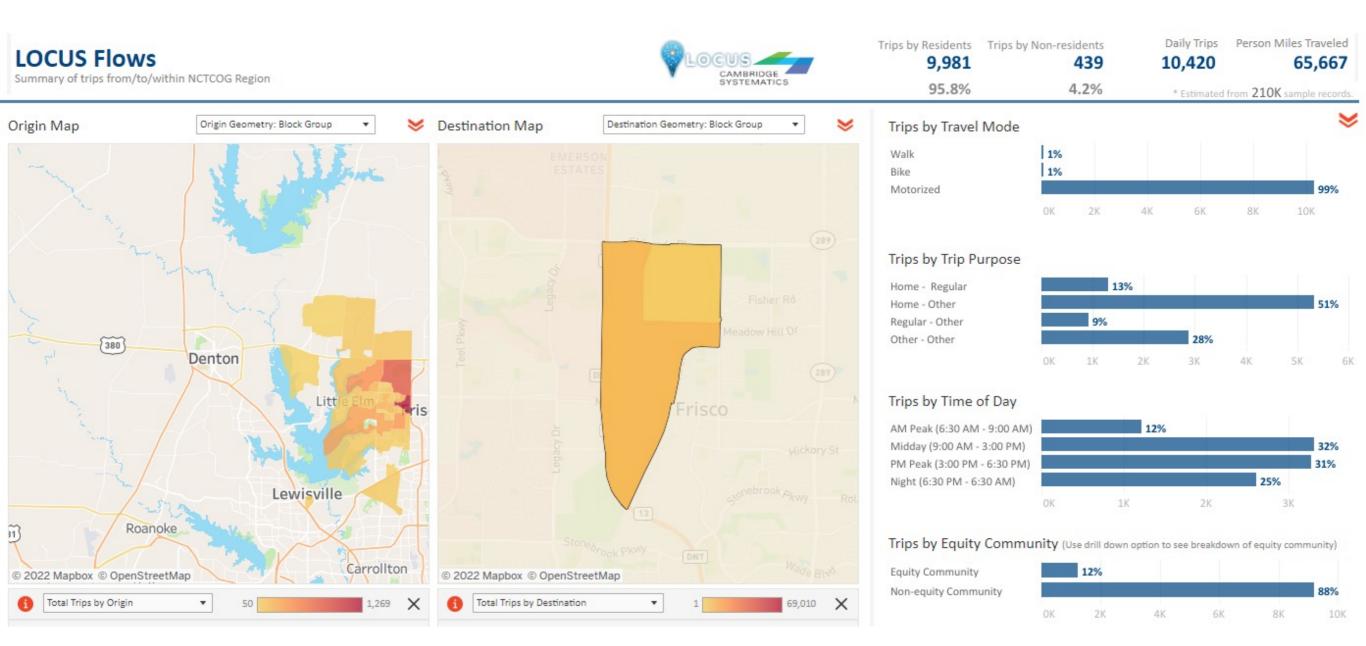
Inter-County Travel



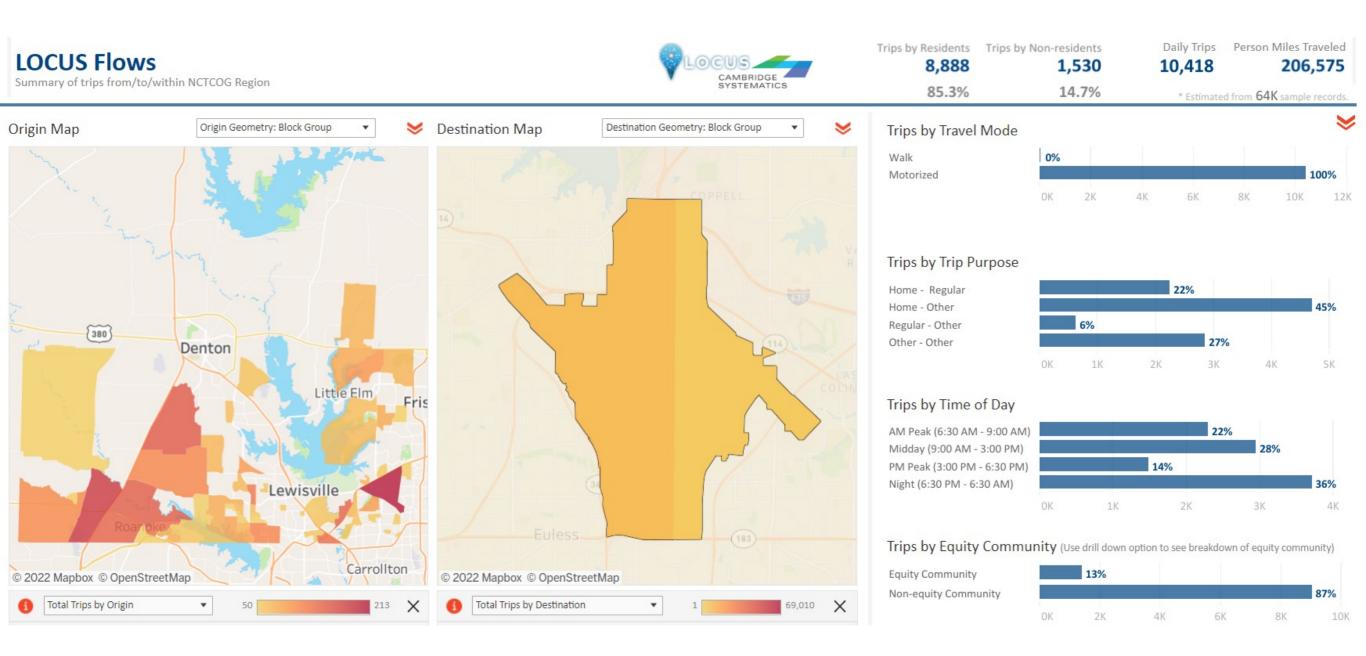
City of Denton



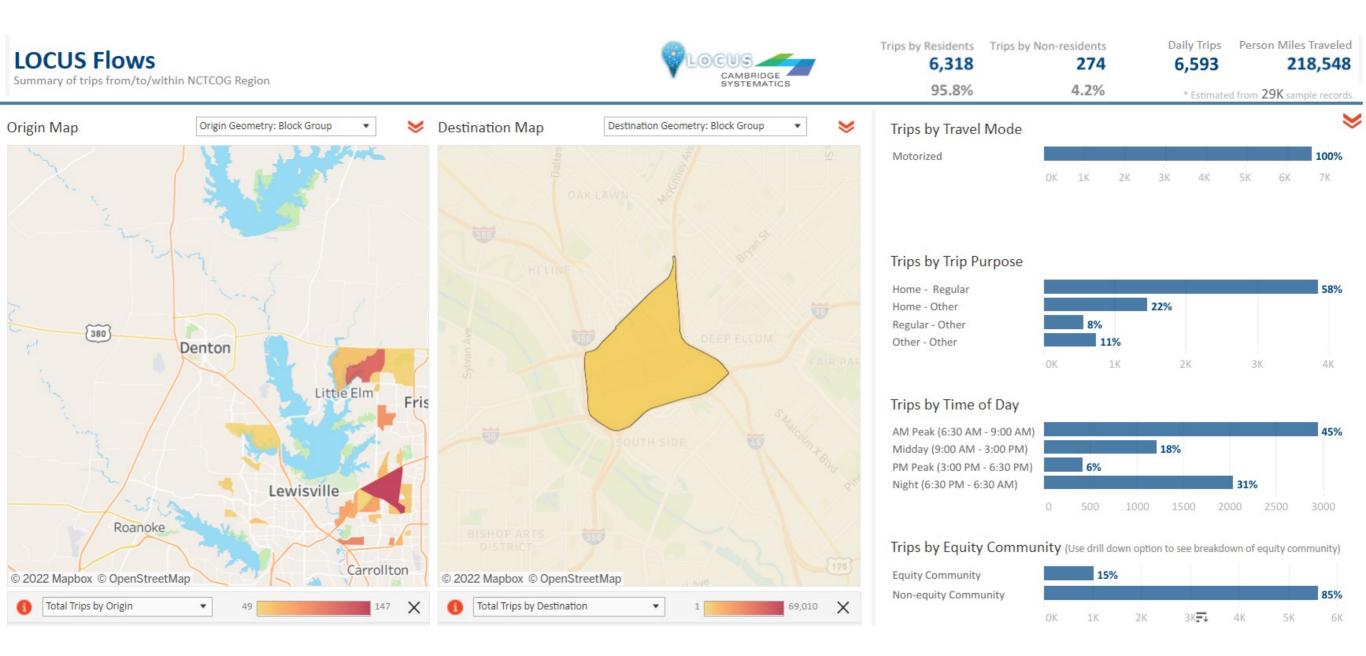
Legacy Town Center Area



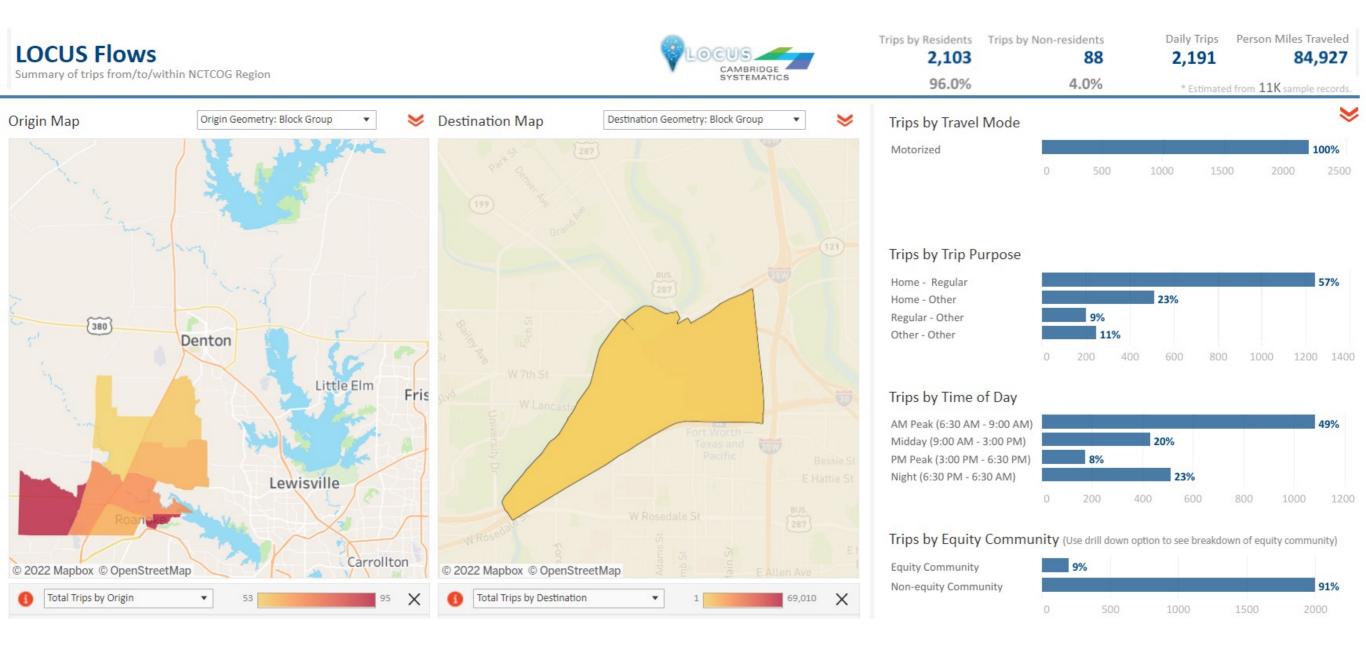
Frisco



Dallas-Fort Worth Airport



Dallas CBD

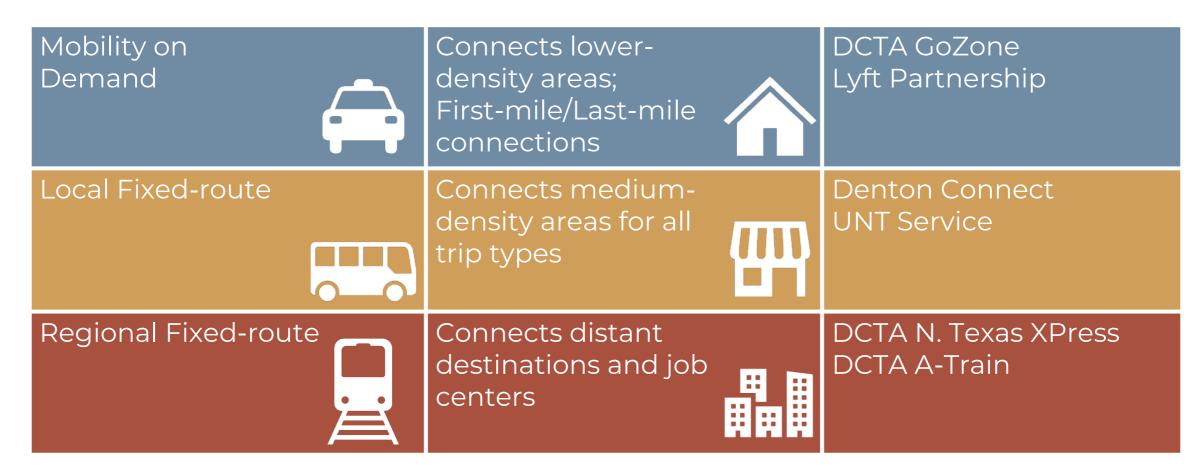


Fort Worth CBD

Transit Service Types

Denton County Transit Purpose Study Service Type

Local Examples



Scenario Definition

Scenario 1

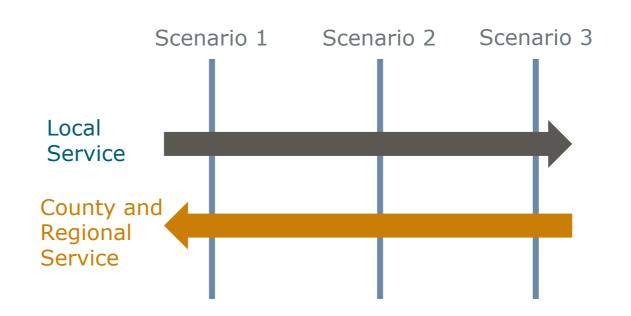
- Local: High Service Needs
- Regional: High + Medium + Low Service Needs

Scenario 2

- Local: High + Medium Service
 Needs
- Regional: High + Medium Service Needs

• Scenario 3

- Local: High + Medium + Low Service Needs
- Regional: High Service Needs



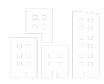
Service Considerations by City

- Jurisdiction Size / Density
- Travel Pattern Characteristics
- Potential Revenues to Support Transit









Service Considerations by Municipality

	Jurisdiction Size/Density			Travel Patterns		Potential Revenues					
		Area Size	Density/	Travel Strength	Potential Regional	Taxable Sales	0.50%	Local Service	Options	Regional Servi	ice Options
City	2020 pop	(Acre)	Acre	to Denton	Travel Needs	4-Year Avg.	Amount	Fixed Route	MOD	Fixed Route	Van Pool
Pilot Point	4,381	2,150	2.0			\$35,000,000	\$180,000		Χ		Х
Sanger	8,839	6,995	1.3			\$48,040,000	\$240,000		Х		Χ
Krum	5,483	1,581	3.5	Medium		\$13,030,000	\$70,000	X	Х		Χ
Ponder	2,442	2,048	1.2	Medium		\$6,490,000	\$30,000	X	Χ		Χ
Justin	4,409	1,536	2.9		Fort Worth	\$36,190,000	\$180,000		Χ	Χ	Χ
Northlake	5,201	10,874	0.5		Fort Worth	\$49,550,000	\$250,000		Χ	Χ	Χ
Argyle	4,278	7,315	0.6	Medium	DFW, Fort Worth	\$12,240,000	\$60,000	X	Χ	Χ	Χ
Copper Canyon	1,731	2,880	0.6		DFW	\$1,040,000	\$10,000		Χ	X	Χ
Bartonville	1,726	4,000	0.4		DFW	\$45,220,000	\$230,000		Х	Χ	Χ
Roanoke	10,154	3,411	3.0		DFW, Fort Worth	\$358,630,000	\$1,790,000		Х	X	Χ
Trophy Club	12,533	2,624	4.8		DFW, Fort Worth	\$44,550,000	\$220,000		Х	X	X
Double Oak	3,054	1,581	1.9		DFW	\$6,720,000	\$30,000		Х	X	Χ
Flower Mound	75,956	27,776	2.7		DFW	\$811,010,000	\$4,060,000	Χ	Х	X	Χ
Hickory Creek	4,716	2,944	1.6	Medium		\$67,450,000	\$340,000	X	Х		Χ
Lake Dallas	8,004	1,728	4.6	Medium		\$50,370,000	\$250,000	Χ	Х		X
Corinth	22,365	5,056	4.4	Medium		\$209,740,000	\$1,050,000	X	Х		X
Shady Shores	2,888	1,856	1.6	Medium		\$1,500,000	\$10,000	X	Х		Χ
Oak Point	4,357	3,776	1.2			\$6,500,000	\$30,000		Х		Χ
Cross Roads	1,780	4,416	0.4	Medium	Frisco, Plano	\$115,570,000	\$580,000	Χ	Х	Χ	Χ
Providence Village	7,479	1,152	6.5		Frisco, Plano	N/A	N/A		Χ	Χ	Χ
Krugerville	1,766	838	2.1			\$25,930,000	\$130,000		Х		Χ
Aubrey	5,006	1,683	3.0			\$16,030,000	\$80,000		Х		X
Celina	16,739	9,069	1.8			\$49,670,000	\$250,000		Х		Χ
Prosper	30,174	14,605	2.1		Frisco, Plano	\$423,830,000	\$2,120,000		Х	X	Χ
Little Elm	46,453	11,936	3.9		Frisco, Plano, Dallas	\$290,140,000	\$1,450,000		Х	Χ	Χ
Hackberry	2,973	442	6.7			\$11,200,000	\$60,000		Χ		Χ
Lakewood Village	555	448	1.2			N/A	N/A		Χ		Χ
The Colony	46,110	10,304	4.5		Frisco, Plano, Dallas	\$1,007,600,000	\$5,040,000	X	Χ	X	Χ

NEXT STEPS

Next Steps

- Develop Scenarios & Cost Estimates
- Develop Funding and Finance report
- Develop Implementation Plan
- Final rounds of Public Engagement
- Reporting out

QUESTIONS + ANSWERS

Contact

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