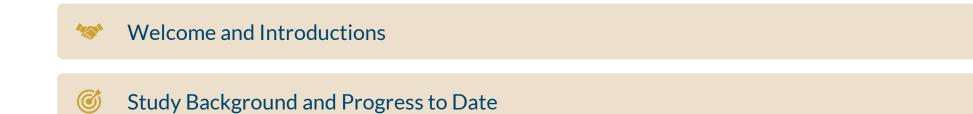


AGENDA



- Study Area Travel Patterns
- Transit Market and Needs Analysis
- Phasing & Upcoming Schedule
- Next Steps
- ₽ Q&A



Welcome and Introductions



Introduce yourself in the chat:

- ✓ Name
- ✓ Affiliation
- ✓ Role

Project Overview and Update



BACKGROUND: TRANSIT STUDIES

Request Received from Mesquite in 2019

- Balancing Transportation Needs
- Addressing Equity
- Member/Non-Member
 Cities Considerations

Transit Studies Based on Common Framework

- Three Completed (Collin, S. Dallas, Tarrant Counties)
- Two Underway (Denton, EDKR Counties)

Common Elements	EDKR					
Internal and regional connections	√					
Strategic implementation	✓					
Near-term horizon (now to 10 years)	✓					
Increase transportation options and innovation	✓					
Funding options	√					
Private sector involvement	✓					

STUDY PURPOSE

Develop a comprehensive approach to planning and implementing transit services outside of transit authority services areas.



Implement Near-Term Strategies



Review Transportation Options



Identify Funding Options



Project Advisory Committee Meeting #3 Objectives

Provide update on project status Ensure communication with correct stakeholders Provide overview of study area and regional travel patterns Share and discuss results of transit market and needs analysis Lay out next steps in the project timeline Highlight future opportunities to provide input and public engagment



PROJECT OVERVIEW

Timeline:

• 0-5 Years, up to 10 years

Geography:

• Eastern Dallas, Kaufman, Rockwall Counties (Outside of DART service area)

Audience:

• Municipalities and Transit Agencies

Outcomes:

Mobility Options and next steps



PROJECT OUTCOMES

Conditions and Needs

Mobility Options

Funding

Implementation



Project Timeline

PAC Meeting #1 (Kickoff)

• June 27th, 2022

Virtual Public Meeting

• September 19th, 2022

PAC Meeting #2

• January 19th, 2023

In-person Public Meeting #2

February 28th, 2023 (Rockwall)

PAC Meeting #3

• September 11th, 2023

In-person Public Meeting #3

• September 26th, 2023 (Mesquite)

Project Report-outs

• February 2024

Study Complete

• March 2024



Study Area & Regional Travel Patterns



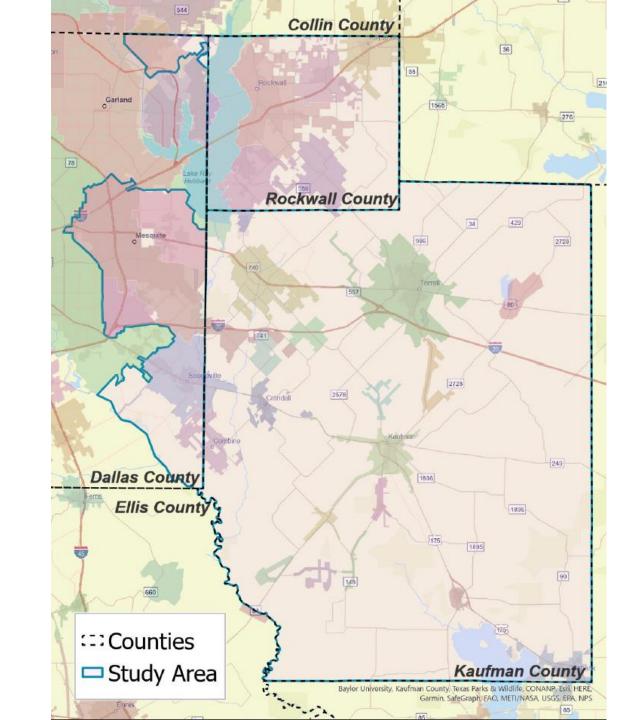
Study Area

Focus Areas

Non-Member Cities

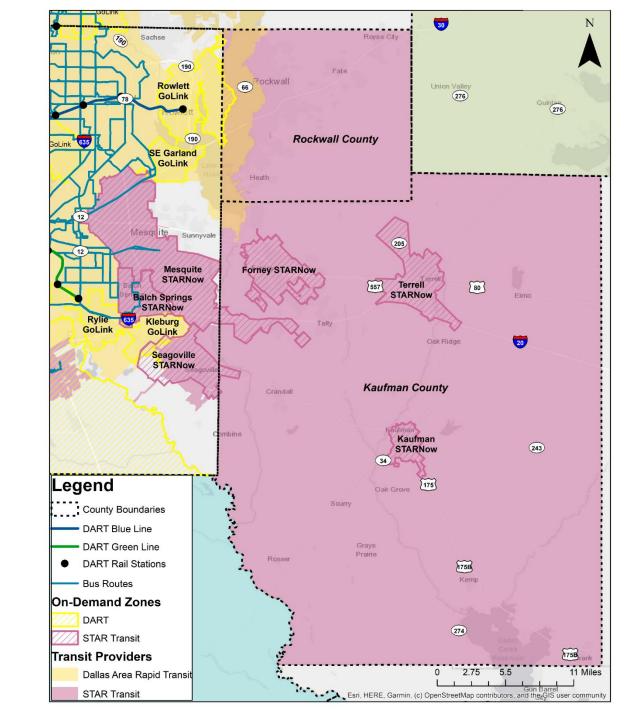
Existing Providers

DART, STAR Transit

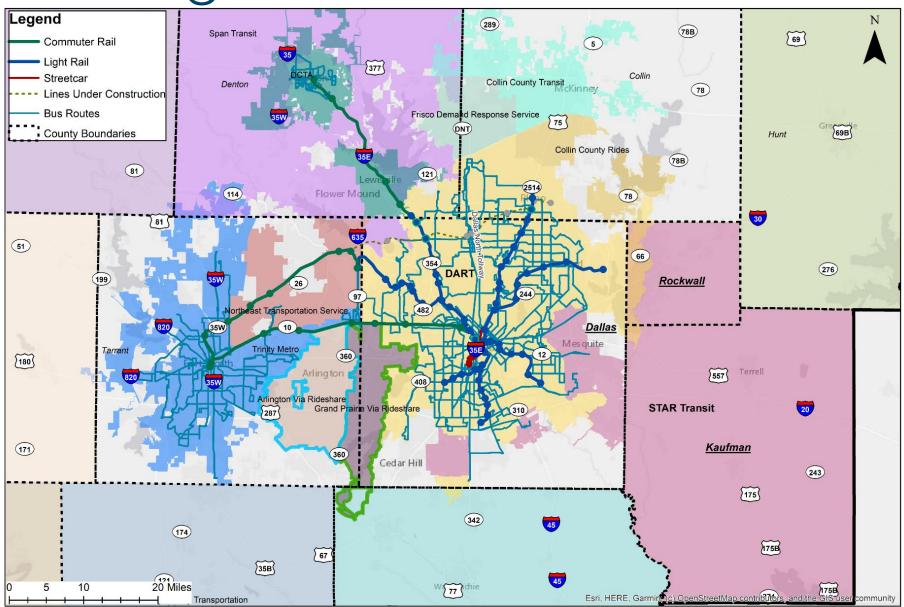


Existing Transit Services

- Fixed-Route Bus
- Light Rail
- On-Demand Transit
- Demand Response
 - Dial-A-Ride/Paratransit
 offered in most of study area



Regional Transit Services





Location Based Data and Analysis

Sectors

 Analysis utilizes Transit Analysis Zones (TAZ) as boundaries within the study area

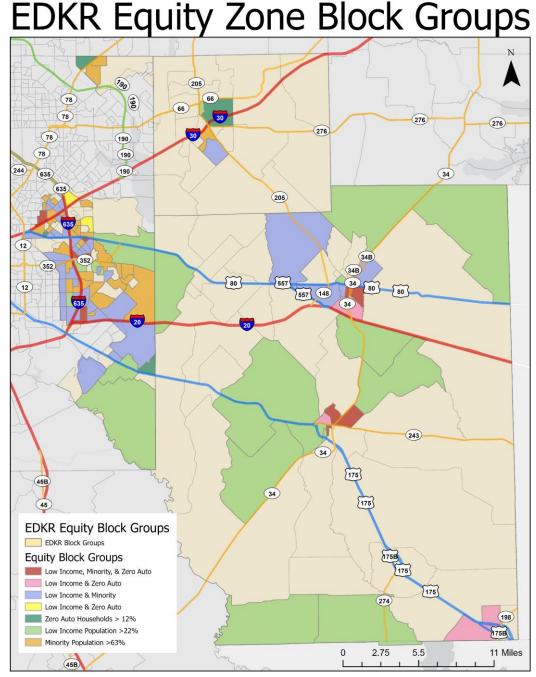
- TAZ boundaries were drawn using Census Block Groups and population clusters
- Analysis utilizes anonymized Location Based Data (LBS)
- LBS data are collected by GPS
 applications running either in the
 background or foreground on
 smartphones, where the device user has
 opted to allow access to the app to track
 the device's geographic location. The data
 are anonymized so that information
 cannot be tracked to a particular phone
 number.



Travel Patterns Analysis Overview

Final report will include the following travel pattern analyses:

- Travel patterns by day, purpose, and distance
- Trip flows by sector
- Equity zone travel patterns
- Intercounty travel patterns





Regional Weekday Trip Patterns

Destination

9	Sectors vs Counties	Study Area	Rest of Dallas	Collin	Denton	Ellis	Hill	Hood	Hunt	Johnson	Parker	Tarrant	Wise	Rest of Rockwall
	Study Area	931,339	361,357	54,448	9,027	5,849	394	149	17,649	678	483	22,626	168	5,660
	Rest of Dallas	299,817	6,765,129	388,020	195,959	53,360	1,656	1,252	8,292	7,559	4,008	474,328	1,901	7,679
	Collin	39,690	537,711	2,667,675	154,814	2,595	348	230	9,025	678	650	56,786	539	1,063
	Denton	7,954	396,033	282,142	2,030,951	1,936	306	339	941	1,354	1,675	164,591	8,946	120
	Ellis	6,154	90,509	3,738	2,312	419,109	2,355	162	308	5,915	506	32,490	141	37
ນ - -	Hill	188	1,957	228	192	2,529	76,281	183	19	7,239	278	3,749	44	0
5	Hood	169	2,075	340	484	322	195	149,103	15	4,299	6,587	16,589	165	0
	Hunt	29,750	17,293	14,658	1,197	340	48	7	236,901	73	89	2,178	55	442
	Johnson	819	14,950	1,047	2,119	8,420	3,924	3,707	104	356,938	2,812	133,709	374	5
	Parker	378	6,910	724	2,542	440	217	4,926	42	2,551	305,591	97,269	6,260	4
	Tarrant	17,218	566,512	46,901	133,846	20,574	2,361	8,312	1,337	83,464	53,096	6,115,282	14,640	158
	Wise	181	4,469	706	14,527	181	56	212	21	467	8,829	28,963	151,009	2
	Rest of Rockwall	8,300	10,038	1,525	153	28	2	1	271	7	7	305	2	3,392



Overall Weekday Trip Flows by Sector

Destination

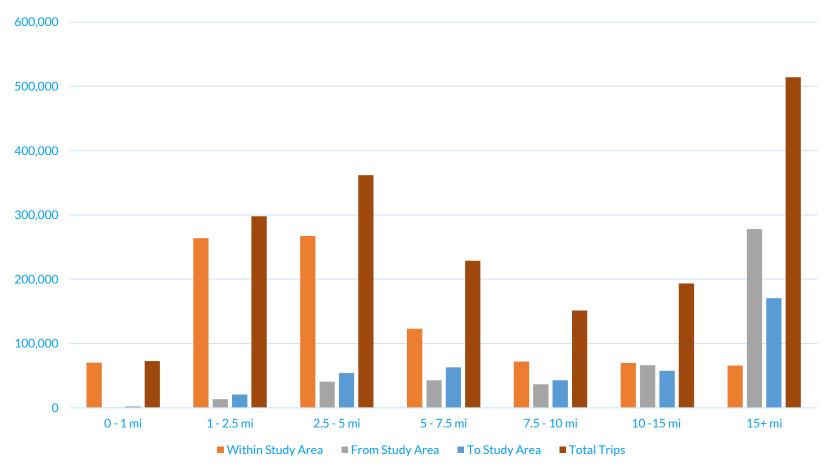
Travel Analysis Zones	Rest of MPA	Balch Springs	Combine-Heartland	Fate-Royse City	Forney	Heath-McLendon-Chisholm	Kaufman	Kaufman East	Kaufman Northeast	Kaufman Southeast	Mesquite	Rockwall	Sachse	Seagoville	Sunnyvale	Terrell
Rest of MPA	23,561,570	33,656	4,658	17,550	14,432	11,245	2,848	2,377	2,235	2,982	192,793	56,039	32,907	17,768	6,202	12,925
Balch Springs	35,148	21,578	286	89	764	80	103	96	13	71	17,255	392	64	2,112	320	371
Combine-Heartland	14,916	726	17,490	86	7,441	162	2,220	571	115	1,954	3,740	578	51	3,893	196	2,023
Fate-Royse City	26,324	74	55	18,445	412	2,670	20	58	63	18	1,904	18,116	171	38	61	540
Forney	29,370	1,014	2,682	319	63,225	1,447	587	647	297	286	8,143	3,501	95	616	1,004	4,941
Heath-McLendon-Chisholm	16,235	133	70	2,620	1,543	21,953	29	64	87	37	1,741	21,583	169	56	198	994
Kaufman	4,135	91	794	50	662	63	16,167	1,250	141	3,178	960	211	7	440	101	1,665
Kaufman East	5,167	152	568	85	1,303	108	7,163	5,551	533	1,349	857	302	11	244	128	5,441
Kaufman Northeast	2,980	54	92	99	674	137	292	593	3,410	161	538	348	11	58	45	5,742
Kaufman Southeast	7,402	135	982	21	716	51	6,137	947	186	26,475	1,029	214	9	477	64	1,177
Mesquite	201,768	13,711	1,088	854	5,260	1,067	434	333	205	327	257,823	5,370	838	3,150	5,545	2,088
Rockwall	45,651	160	118	4,939	1,294	15,031	78	129	162	54	4,346	107,559	594	150	350	1,091
Sachse	45,636	63	12	92	95	114	24	7	9	4	766	1,205	12,073	22	22	91
Seagoville	23,712	2,374	1,444	48	786	98	322	120	24	233	5,823	202	29	19,799	106	470
Sunnyvale	8,581	140	75	42	804	121	53	31	16	31	7,849	533	47	71	5,949	270
Terrell	11,466	311	579	443	4,186	772	1,203	2,604	1,812	469	2,565	1,943	25	312	293	49,153

Top 20 Trip Flows

Weekday Trip Distance Distribution

Weekday Trips By Distance

- Approximately 888,000 1-7.5-mile trips occur within study area daily
- Large portion of trips are to and from the study area and are over 15 miles





Eastern Dallas, Kaufman, and Rockwall Counties Transit Market and Needs



Transit Service Types

EDKR Transit Study Service Type	Purpose	Local Examples
Demand Response	Connects lower-density areas with no fixed-route service; Origin to destination connections	STAR Dial-a-Ride
Mobility on Demand	Connects lower-density areas; First-mile/Last-mile connections	STARNow On-demand
Light Rail	Connects large distances on exclusive right of ways	DART Blue Line and Green Line
Local Fixed-route Bus	Connects medium-density areas for all trip types	STAR Route 101: Balch Springs Midtown Express
Regional Fixed-route Bus	Connects distant destinations and job centers	DART Route 383: Lake Ray Hubbard Express

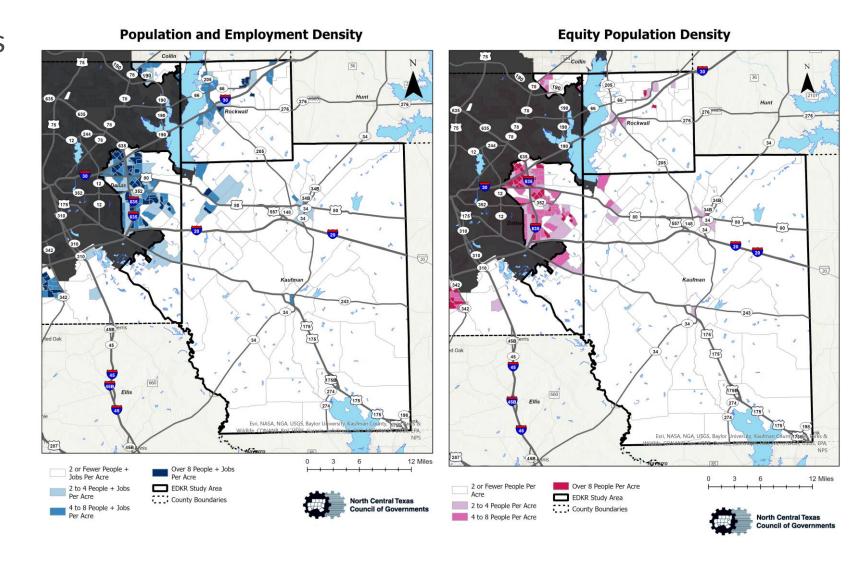


Transit Market And Needs Overview

Understanding existing needs and the potential market for transit is key to developing transit implementation scenarios

Combines travel pattern analyses with data on key population attributes

Sets a baseline for further assessment of transit modes, funding, and service delivery



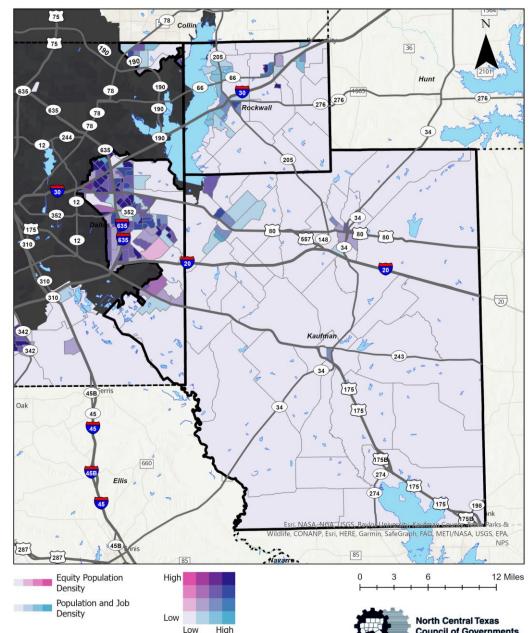


Composite Needs Assessment

Composite Needs Assessment is generated by combining population and jobs density with equity population density

Provides an indicator for the transit propensity of an area

Highlights the existing market for transit in the overall study area and specific cities and sectors

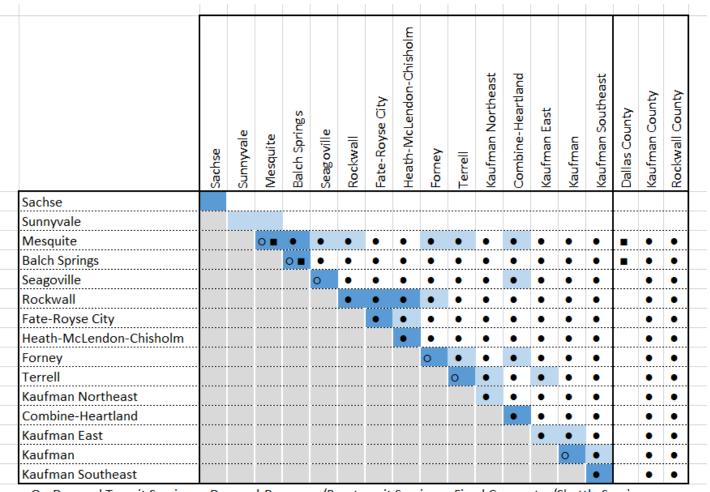


Transit Service Gaps

This chart shows the existing transit connections between the analysis sectors and highlights connections with high travel demand

Helps in identifying potential gaps in the context of travel demand

Preliminary analysis shows gaps in both local and regional transit access



- o On-Demand Transit Services Demand-Response/Paratransit Services Fixed Commuter/Shuttle Services
- More than 10,000 weekday trips More than 2,500 weekday trips



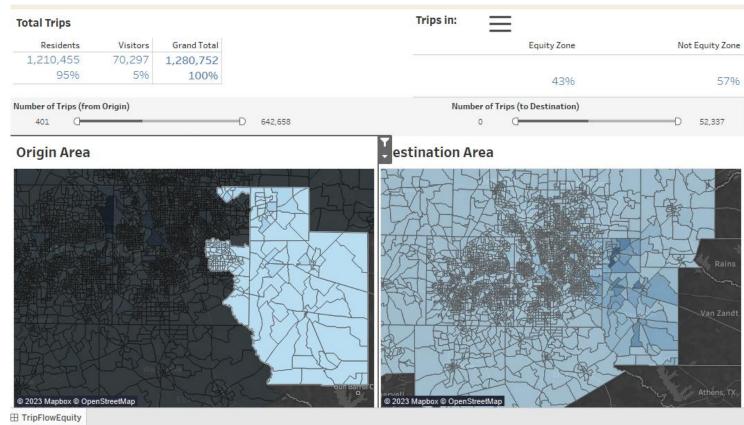
Regional Transit Needs

Specific regional transit needs can be assessed with the LOCUS dataset

The LOCUS dashboard allows for travel patterns analysis to/from specific destinations

Assessed destinations will include downtown Dallas, DFW Airport, and other regional activity hubs







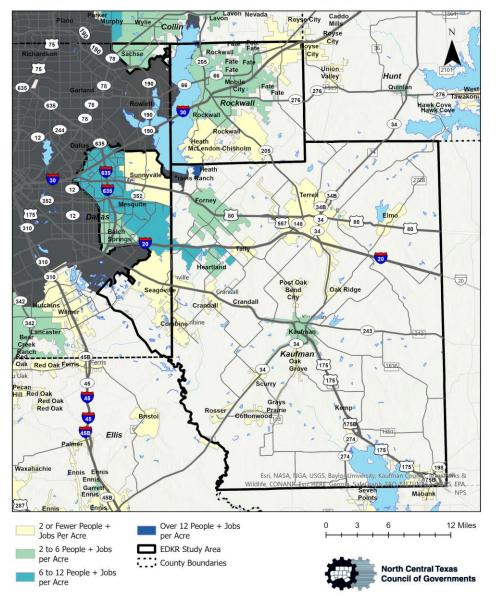
Local Transit Service Needs

Local transit needs at the city or sector level can be determined by aggregating these analyses

These local transit need areas can then be categorized in High, Medium, and Low need

These local transit need areas will be the foundation for the scenario development process

Population and Employment Density by Municipality



Phasing and Next Steps



PROJECT PHASING

PHASE 1

PHASE 2



Comprehensive Needs & Market Assessment



Potential Solutions & Implementation Strategies



Understand baseline conditions to inform scenario development and subsequent tasks (Phase 2)



Develop potential service scenarios based on key findings identified in Phase 1

NEXT STEPS

Third round of Public Engagement in September

Finalize Needs Assessment Report Develop and Evaluate Transit Investment Scenarios

Develop
Funding and
Implementation
Strategies

Discussion and Q & A



TRANSPORTATION PUBLIC PUBLIC PUBLIC

EAST DALLAS, KAUFMAN, AND ROCKWALL COUNTIES REGIONAL TRANSIT STUDY

SEPT. 26 · 6 PM · Mesquite Arts Center · 1527 N Galloway Ave.



Fill out our survey at: publicinput.com/edkrsurvey





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