## CHANGING MOBILITY

DATA, INSIGHTS, AND DELIVERING INNOVATIVE PROJECTS DURING COVID RECOVERY

August 2024

Michael Morris, P.E.
Director of Transportation

### TRAVEL BEHAVIOR BY MODE



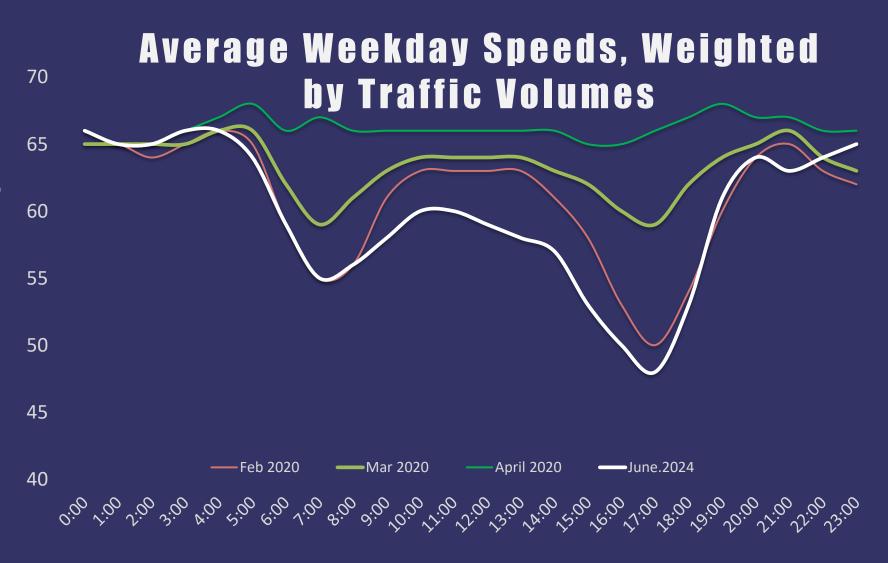
Airport Passengers (+18%, Jun)
Toll Road (+13%, Apr)
Managed Lanes (24%, Jun)



Transit Ridership (-28%, Jun)

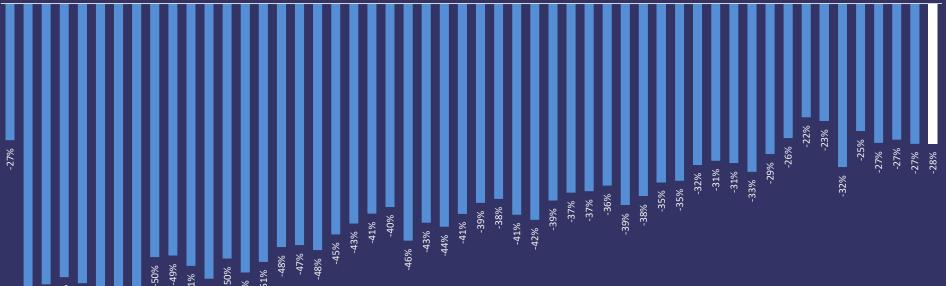
### ROADWAY TRENDS

Regional Average Freeway Speeds



### Passenger Decrease vs Baseline

Weekday Ridership



Source: DART, DCTA, and Trinity Metro

Note: Baseline is March 2019-February 2020.

Note: Transit ridership impacted in Feb 2021 by week-long winter storm.

### AIRPORT TRENDS

Passengers

### Change in Airport Passengers vs Baseline



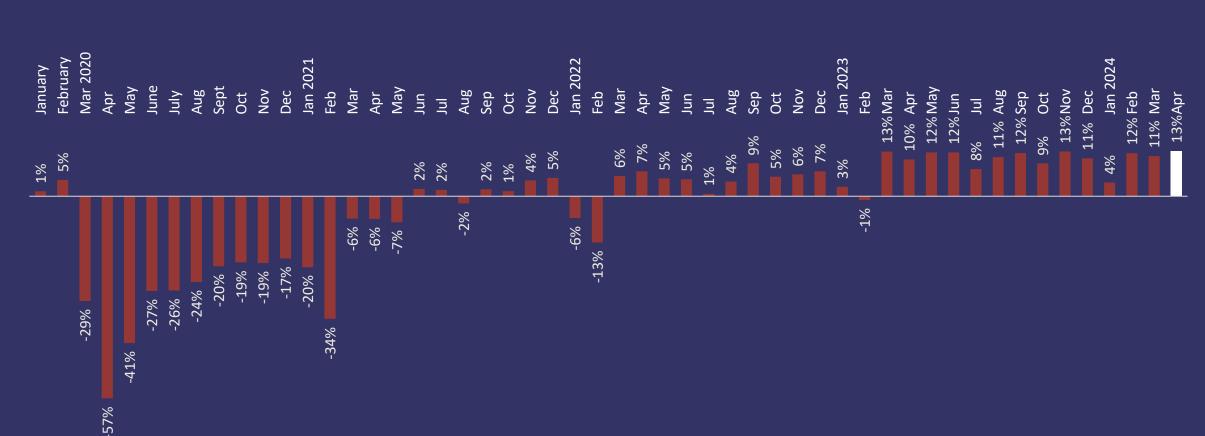
Source: Dallas Love Field and DFWIA Websites Note: Baseline is March 2019-February 2020.

Note: Airlines experienced many flight cancellations in Dec. 2021 due to omicron variant affecting staff.

### FUNDING IMPACT

### NTTA Transactions

### Change in Tollway Transactions vs Baseline



Source: NTTA

Notes: Baseline is March 2019-February 2020.

Note: Drop in transactions in Feb 2021 due in large part to week-long winter storm.

### FUNDING IMPACT

### I-35E TEXpress Lane Transactions

### Change in Tollway Transactions vs Baseline



Source: Texas Department of Transportation Notes: Baseline is March 2019-February 2020.

Note: Drop in transactions in Feb 2021 due in large part to week-long winter storm.





### **BACKGROUND**

- Texas House Bill 20 requires that Metropolitan Planning Organizations (MPO) develop 10-Year Plans using performance-based planning and project selection methods
- Includes projects funded with:
  - Category 2 (MPO selected)
  - Category 4 (TxDOT District selected)
  - Category 12 (Texas Transportation Commission [TTC] selected)
- The Regional 10-Year Plan was originally approved by the Regional Transportation Council (RTC) in December 2016
- This plan is updated annually in conjunction with the development of TxDOT's Unified Transportation Program (UTP)

## PRINCIPLES FOR THE DEVELOPMENT OF THE REGIONAL 10-YEAR PLAN

- Project should be included in the Metropolitan Transportation Plan
- Focus on "system" versus new, stand-alone projects
- Fully fund existing projects before funding new projects (with a focus on projects letting in the next 2-3 years)
- Ensure equity of county allocations
- Maintain toll lanes/toll managed lanes on selected corridors
- Re-fund previously unfunded projects, when possible
- Ensure all RTC projects are approved in 2025 UTP (including "placeholders")
- Projects must be scored and should have a score sufficient to qualify for funding

# REGIONAL FUNDING ALLOCATIONS FOR 2017-2025 UTPs

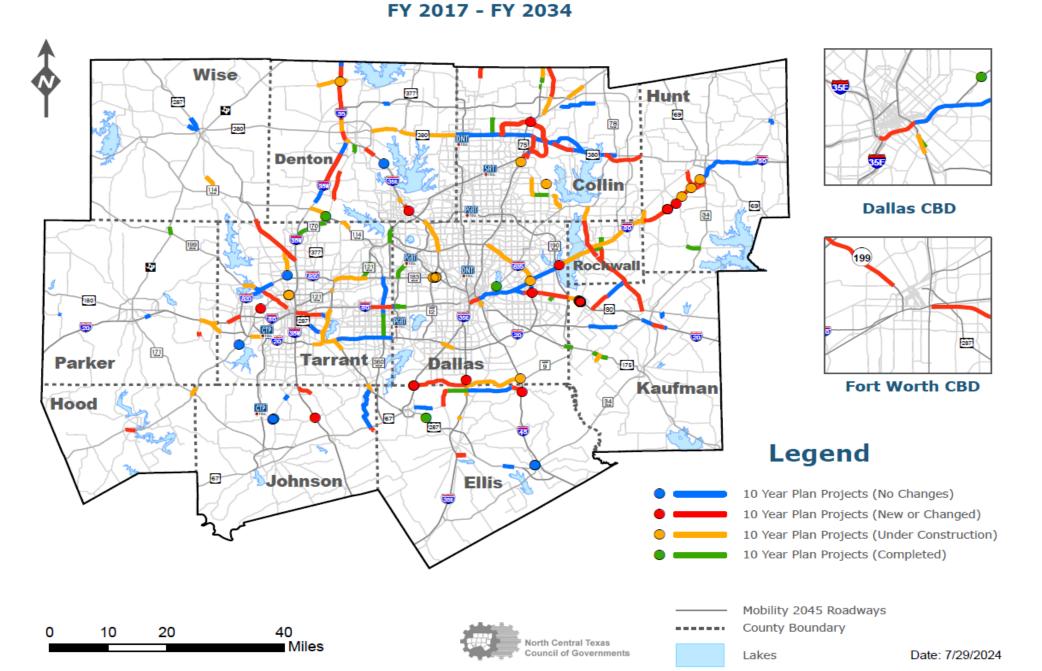
Funding Category*	2017 UTP	2018 UTP	2019 UTP	2020 UTP	2021 UTP	2022 UTP	2023 UTP	2024 UTP	2025 UTP (Proposed)
Category 2	\$3.784	\$3.607	\$3.832	\$3.516	\$2.913	\$2.931	\$3.205	\$3.470	\$3.448
Category 4	\$0.830	\$1.553	\$1.637	\$1.537	\$1.340	\$1.348	\$1.593	\$2.341	\$2.626
Category 12	\$0.812	\$2.130	\$1.395	\$3.041	\$3.089	\$2.601	\$3.132	\$4.082	\$3.626
Total Allocation	\$5.426	\$7.290	\$6.864	\$8.094	\$7.342	\$6.880	\$7.930	\$9.893	\$9.700

<sup>\*</sup> Amounts shown in billions

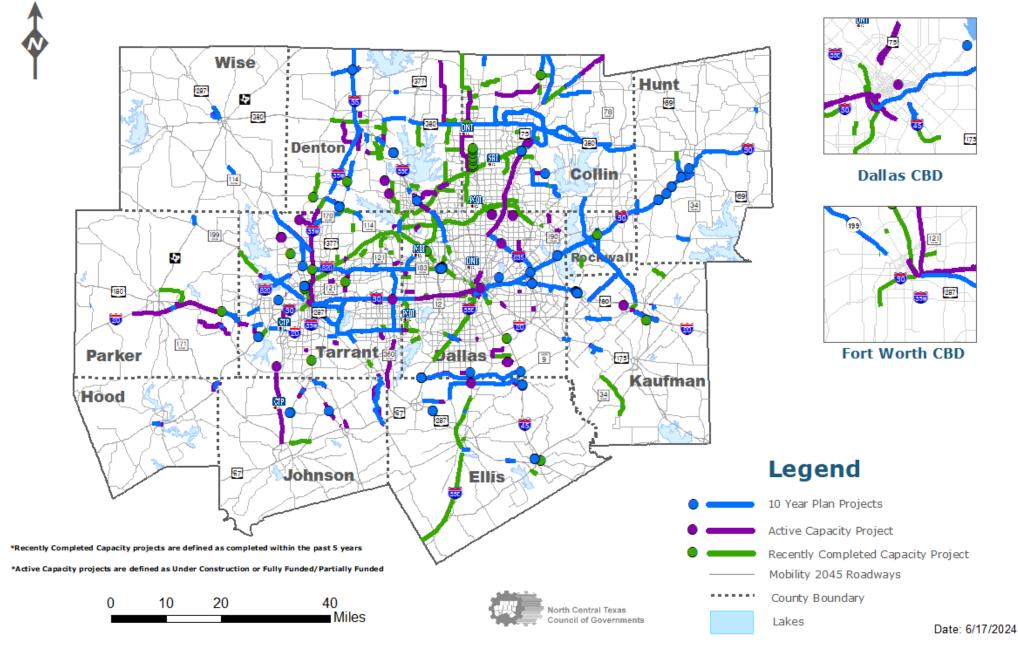
### PROJECT PROGRESS SINCE THE 2017 UTP

Project Status	Number of Projects	Total UTP Funding	
Completed	30	\$831,018,974	
Under Construction	94	\$7,531,751,550	
Future Projects	152	\$8,938,420,916	
Total	276	\$17,301,191,440	

### Dallas-Fort Worth Regional 10 Year Plan Projects



## Recently Completed & Active Capacity Transportation Projects including 10 Year Plan Projects



### **ACTION REQUESTED**

- RTC approval of:
  - The Regional 10-Year Plan project listing, including the proposed changes on the "Planned Projects" and "Let or Completed Project" listings
  - Administratively amending the Transportation Improvement Program
    (TIP)/Statewide Transportation Improvement Program (STIP) and other
    planning/administrative documents as needed to incorporate these changes

### TIMELINE/ACTION

MEETING/TASK	DATE
Funding Targets Received	January 30, 2024
Initial draft list due to TxDOT	February 16, 2024
STTC Information	June 28, 2024
RTC Information	July 11, 2024
Public Involvement	July 2024
STTC Action	July 26, 2024
RTC Action	August 8, 2024
TxDOT Public Involvement for 2025 UTP	July and August 2024
Anticipated TTC Approval of 2025 UTP	August 2024

### **CONTACT/QUESTIONS?**

Christie J. Gotti
Senior Program Manager
Ph: (817) 608-2338
cgotti@nctcog.org

Cody Derrick
Senior Transportation Planner
Ph: (817) 608-2391
cderrick@nctcog.org

Brian Dell Program Manager Ph: (817) 704-5694 bdell@nctcog.org

Dylan Niles
Transportation Planner I
Ph: (682) 433-0512
dniles@nctcog.org

## HIGH-SPEED

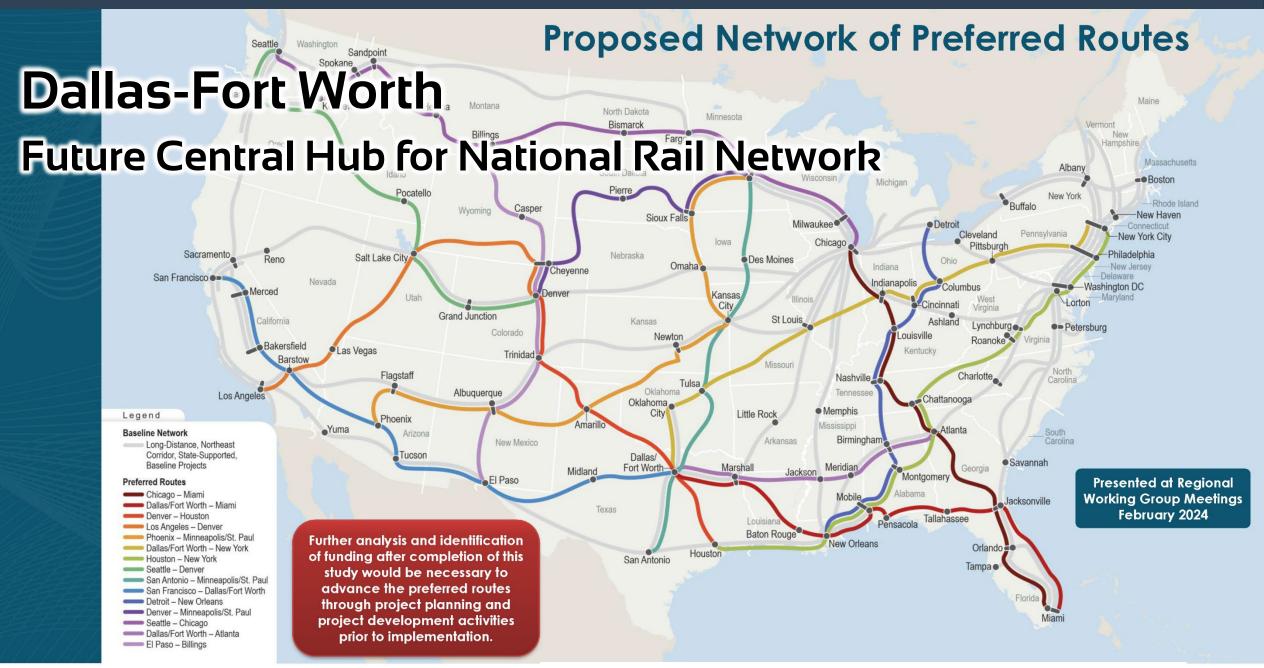


## TRANSPORTATION

**Dallas-Fort Worth** 

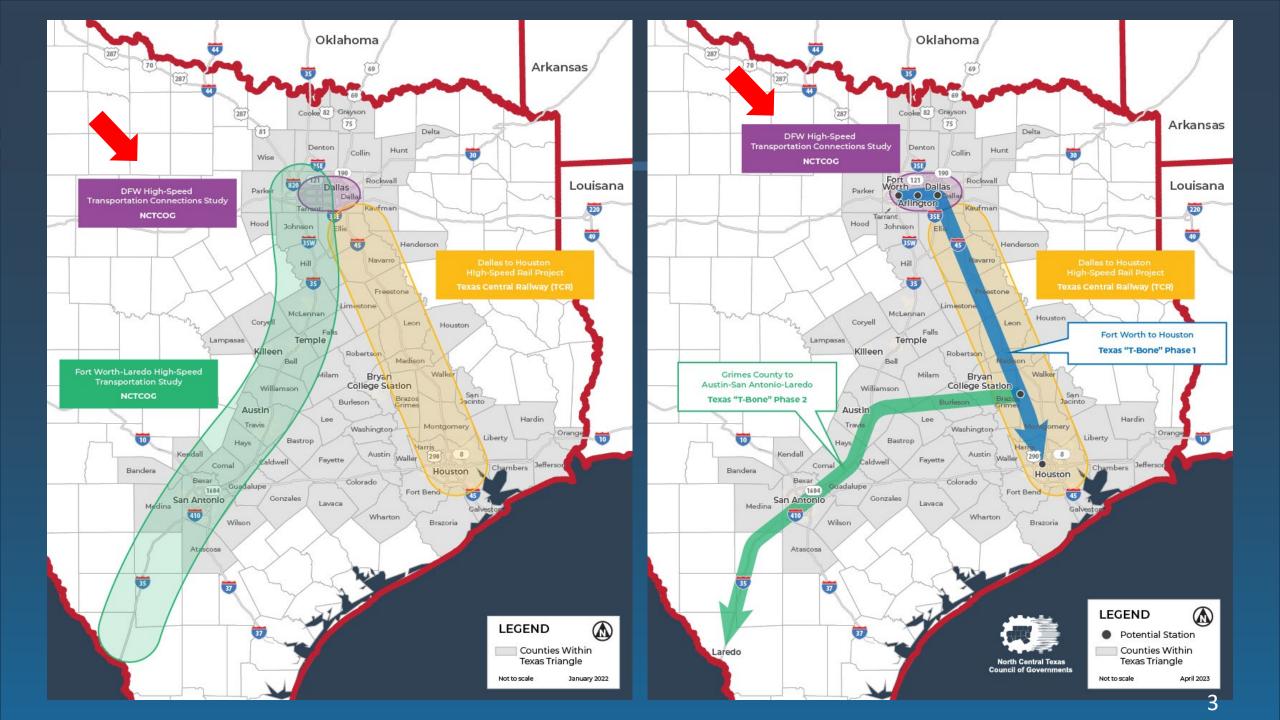


August 8, 2024 – Regional Transportation Council

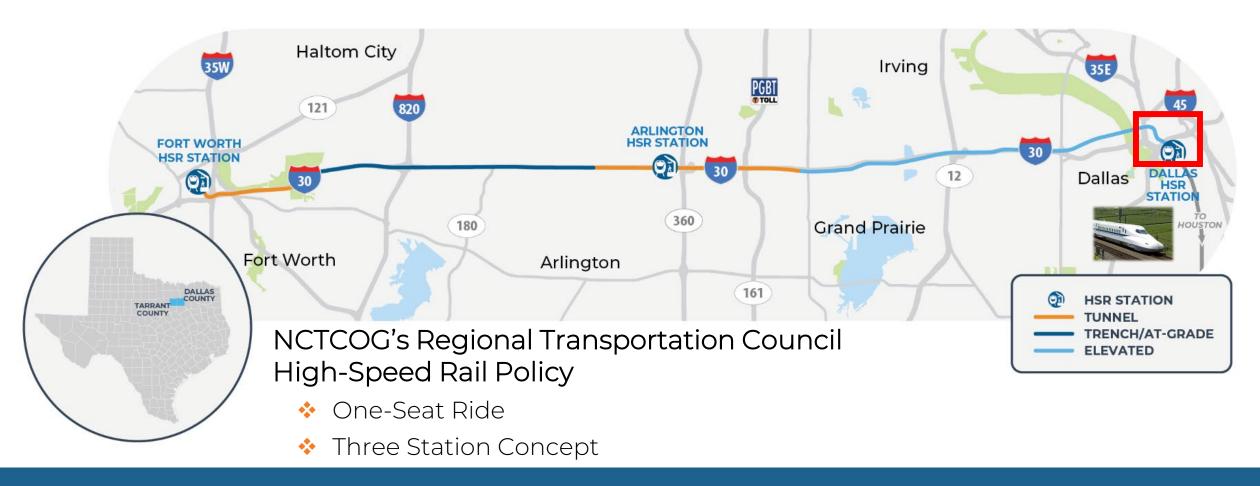




<sup>\*</sup>Potentially 6 new long-distance routes through Dallas-Fort Worth identified in FRA's Long-Distance Service Study



# Alignment for NEPA Review (Early 2024)



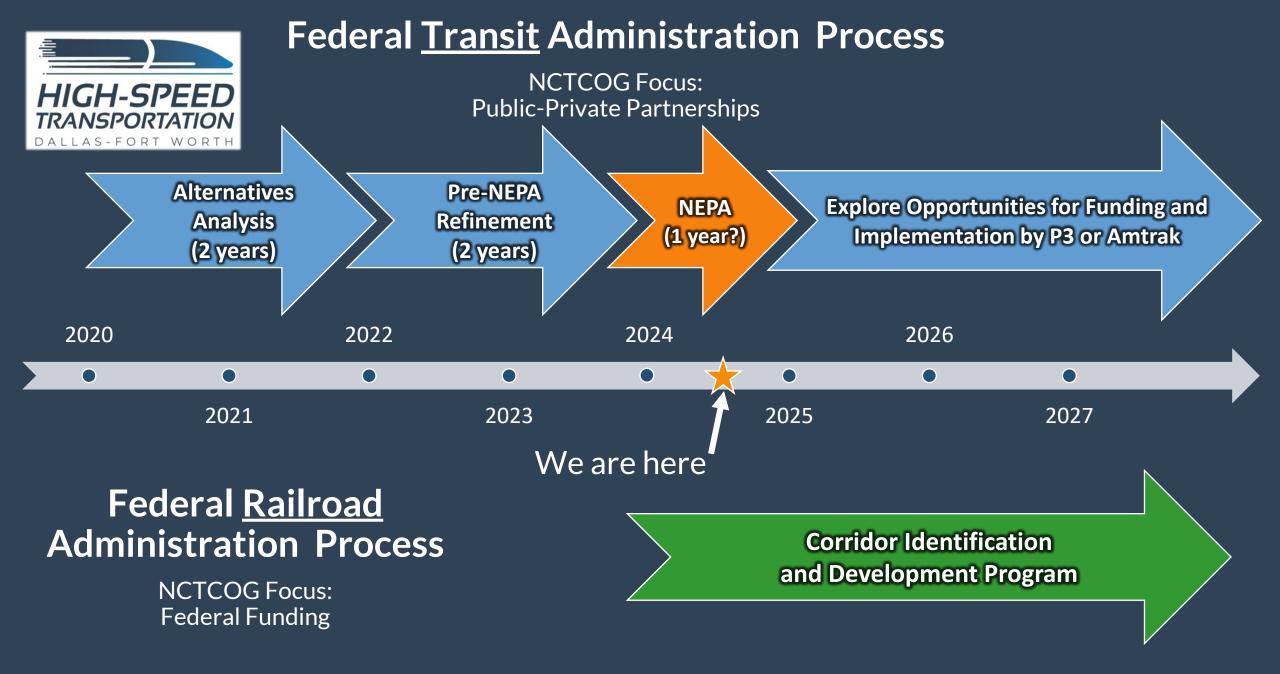


# Potential Connections between Points of Interest in Downtown Dallas

	Connections between Points of Interest	<b>2B.</b> Elevated - East of Hyatt Regency Hotel with Pedestrian Lobby (Shown at 3/6/24 Dallas City Council)	Family of Elevated Alignments <u>West of Downtown</u> (7/11/24 RTC Workshop)
6	Hyatt Regency Hotel to Union Station	<b>✓</b>	⊗
5	Convention Center to Union Station	<b>✓</b>	⊗
4	Convention Center to Convention Center Hotels	<b>✓</b>	<b>※</b>
3	High Speed Rail to Union Station	<b>✓</b>	<b>×</b>
2	High Speed Rail to Convention Center Hotels	<b>✓</b>	<b>※</b>
1	High Speed Rail to Convention Center	✓	?

# Coordination Following July RTC Workshop





### Requested RTC Action to Staff

- Dallas Alignment Options
  - Concept West of Downtown: Advance engineering and stakeholder coordination
  - Alignment East of Hyatt with Pedestrian Lobby (2B): Review opportunities in NEPA to maintain option pending results of Dallas' Economic Impact Study
- Continue advancing High-Speed Rail through NEPA process; coordinate with Federal Transit Administration and Federal Railroad Administration on appropriate process and schedule in NEPA (no significant delays anticipated)

# Requested RTC Action to Staff (Continued)

- Amtrak will provide comment / initial concerns on moving away from Alignment Option 2B; Respond to Amtrak's position
- Increase available study budget for consultant team to accomplish actions listed above
  - Currently approved: \$12,099,657 (STBG)
  - Seeking approval of additional \$1,650,343 (STBG)

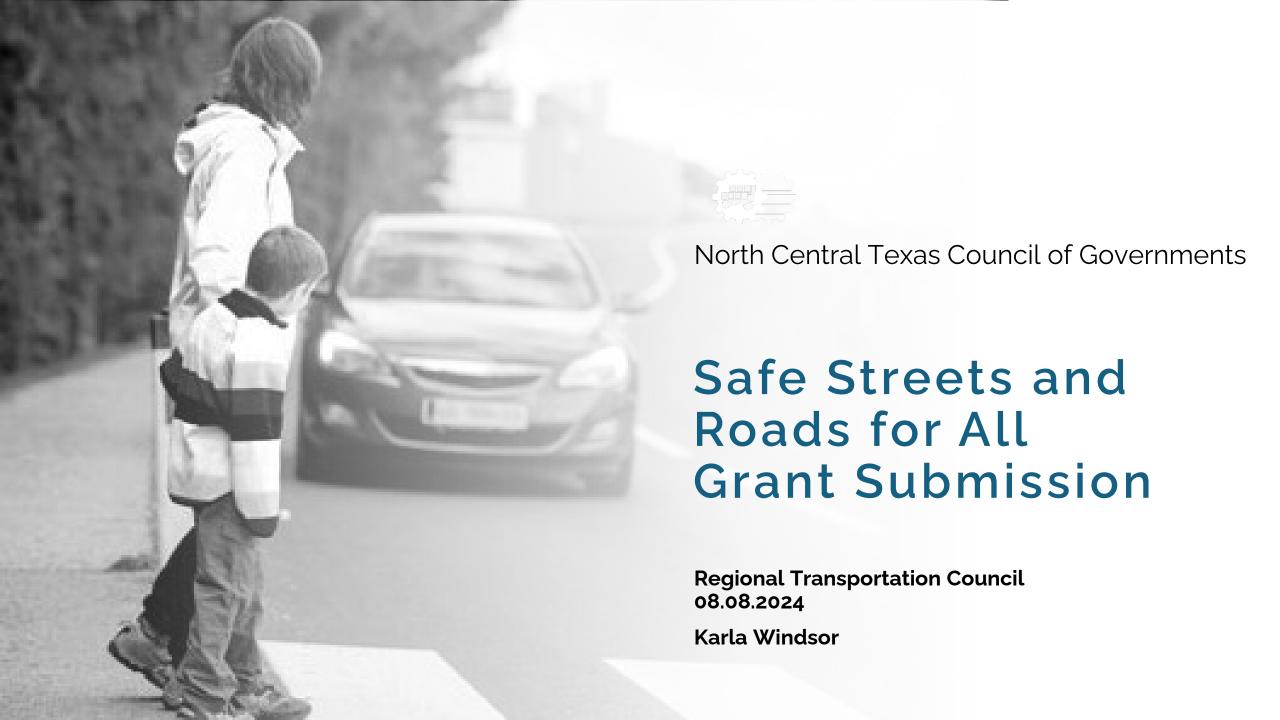
### Contacts

Dan Lamers, P.E.
Senior Program Manager
817.695.9263
dlamers@nctcog.org

Rebekah Gongora
Communications Manager
682.433.0477
rgongora@nctcog.org

Brendon Wheeler, P.E., CFM
Program Manager
682.433.0478
bwheeler@nctcog.org

www.nctcog.org/dfw-hstcs



### Safe Streets & Roads for All (SS4A) Grant Program

- lue Created through the Bipartisan Infrastructure Law (BIL)
- ☐ Purpose: prevent deaths and serious injuries on our roadways
  - Focus on comprehensive safety action planning and implementing projects/strategies identified in safety action plans
- \$1.26B for FY 2024 available
- ☐ One application per agency allowed each cycle
- ☐ NCTCOG staff would like to pursue a planning project

### Safe Streets & Roads for All Grant Program

## Funding Availability

### \$580 Million

Planning/Demonstration (National)

#### \$657 Million

- Implementation (National)
- < 15% per State
  - Overall Program

### Minimum Award

**\$100,000**- Planning/Demonstration

\$2.5 Million
- Implementation

### Maximum Award

\$10 Million

- Planning/Demonstration

\$25 Million

- Implementation

### **Cost Sharing**

80% Federal | 20% non-Federal

### **Applicant/Condition Eligibility**

- 1. MPOs
- 2. Political Subdivision of a State (City, Town, County, Transit Agency, Special District, etc.)
- 3. Tribal Government
- 4. Multi-Jurisdictional Group of Above Entities



### Safe Streets & Roads for All (SS4A) Grant Program

## Three opportunities to submit planning and implementation applications

- Cycle 1: April 4, 2024 planning and demonstration grants
- Cycle 2: May 16, 2024 planning and demonstration grants and implementation grants
- Cycle 3: August 29, 2024 planning and demonstration grants
- NCTCOG applied for Cycle 2 planning and demonstration funding

# NCTCOG Regional Active Transportation Safety Grant Application

### **Advancing Safe Regional Active Transportation Connections to Rail Stations**

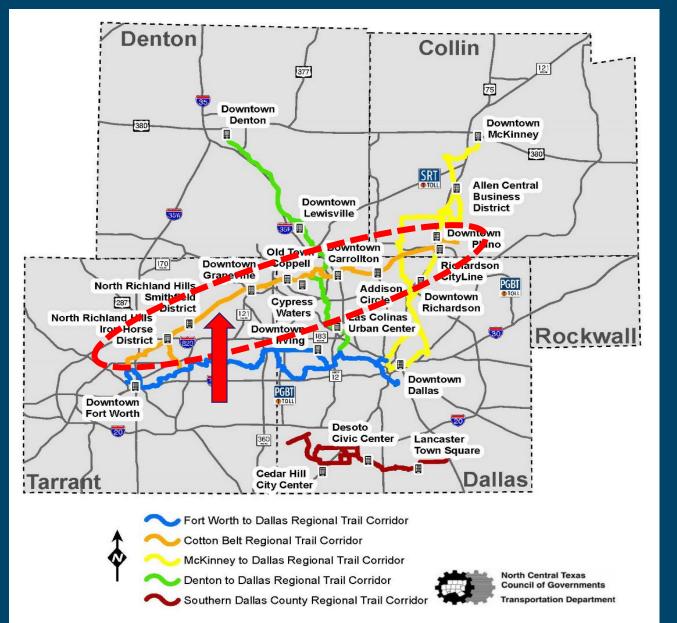
Conducting in-depth planning and feasibility study to implement regional trail and on-street bikeway alignments that provide safe connections to passenger rail stations in northeast Tarrant County:

### Focus of the additional study

- Finalize planned regional alignments for future construction through the cities of Fort Worth, Haltom City, North Richland Hills, and Richland Hills
- Assess safe connections to various TEXRail stations and the Trinity Lakes TRE station
- Assess safe crossings of significant barriers including major arterial roadways, highways, freight railroads, and waterways
- Develop an action plan, schematics, and opinions of construction cost for recommended alignments and safety countermeasures

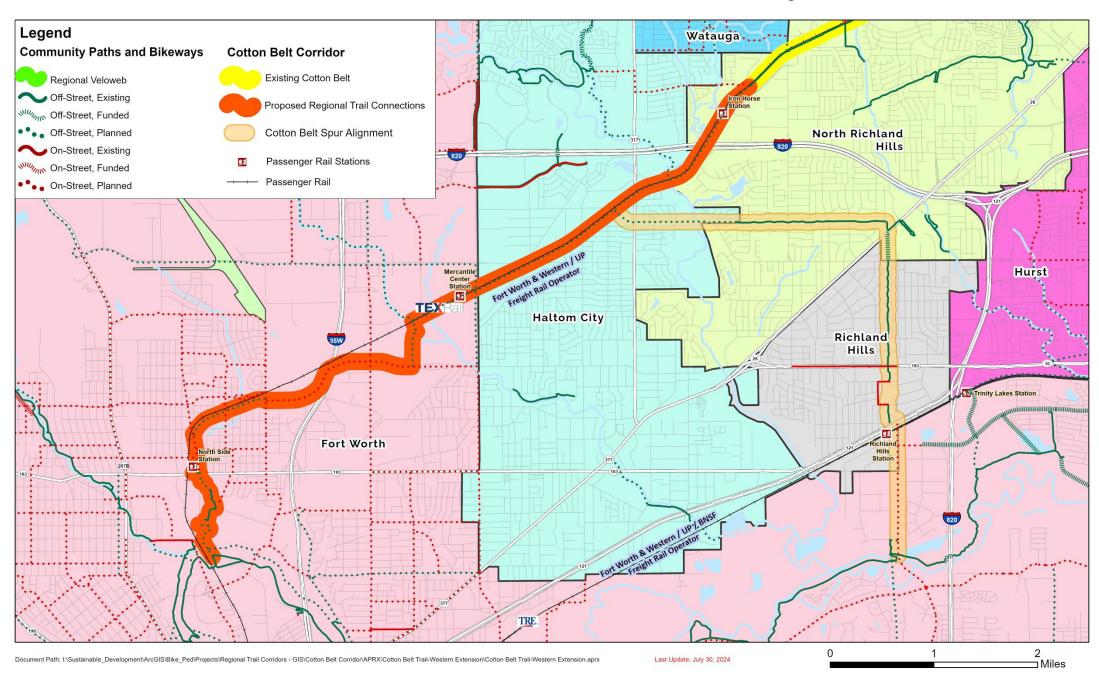


### Highlighted Regional Trail Corridors



Cotton Belt Corridor from Plano to Fort Worth approximately 65.8miles

### **Cotton Belt Trail Western Extension Study Area**



# NCTCOG Regional Safe Streets Planning/Demonstration Grant Application

**Anticipated Budget** 

Total Planning Budget	Federal	Non-Federal	Match
	(SS4A)	Match	Source
\$2,000,000	\$1,600,000	\$400,000	RTC Local

# Schedule

Date	Milestone
March 1, 2024	NOFO Released
August 8, 2024	RTC Action
August 22, 2024	Executive Board
August 23, 2024	STTC Action (Endorsement)
August 29, 2024	Applications Due

# Requested Action

- Approve the NCTCOG planning grant application for the FY 2024 Safe Streets and Roads for All (SS4A) Discretionary Grant program.
- Approve the use of \$400,000 in Regional Transportation Council Local funds for non-federal match should the project be selected for funding.
- Approve staff to administratively amend the TIP/STIP and other planning/administrative documents to incorporate these changes should the project be selected for funding.

## CONTACT US

Karla Windsor, AICP

Senior Program Manager

kwindsor@nctcog.org | 817-608-2376

**Kevin Kokes** 

Program Manager

kkokes@nctcog.org | 817-695-9275



# Regional Transit 2.0: Policy Oversight ("Project Review Committee")

Task	Lead Local Entity	Oversight Members (RTC Members)		Lead	Transit Authority	Lead
		Primary	Secondary	NCTCOG Staff	Lead	Consultant
1 – Project Management	RTC Staff	N/A	N/A	Michael Morris April Leger	DART-Dee Leggett DCTA-Paul Cristina Trinity Metro-Chad Edwards	InfraStrategies McKinsey
2 – Develop Transit Legislative Program	RTC	RTC Committee of the Whole	-	Amanda Wilson Rebekah Gongora	DART-Dee Leggett DCTA-Paul Cristina Trinity Metro-Chad Edwards	InfraStrategies
3 – Develop Strategies to Increase Transit Authority Membership	Transportation Authorities	DART, DCTA, Trinity Metro Representatives	Cities/Counties	Karla Windsor	DART-Dee Leggett DCTA-Paul Cristina Trinity Metro-Chad Edwards	InfraStrategies
4 – Develop Collaborations  Between Existing Transit  Authorities	Transportation Authorities	DART, DCTA, Trinity Metro Representatives	RTC Committee of the Whole	Karla Windsor	DART-Dee Leggett DCTA-Paul Cristina Trinity Metro-Chad Edwards	InfraStrategies
5 – Develop Strategies for Authority Board Partnerships & Teamwork	Transportation Authorities Member Cities	DART, DCTA, Trinity Metro Representatives	DART, DCTA, Trinity Metro Member Cities	Michael Morris	DART-Dee Leggett DCTA-Paul Cristina Trinity Metro-Chad Edwards	McKinsey

# Regional Transit 2.0: Policy Oversight ("Project Review Committee") continued

Task	Lead Local Entity	Oversight Members (RTC Members)		Lead NCTCOG	Transit Authority	Lead
		Primary	Secondary	Staff	Lead	Consultant
6 – Develop Strategies for In- Fill Development	Member Cities	DART, DCTA, Trinity Metro Member Cities	DART, DCTA, Trinity Metro Representatives	Karla Windsor	DART-Dee Leggett DCTA-Paul Cristina Trinity Metro-Chad Edwards	InfraStrategies
7 – Review of Fare Collection Strategies	Transportation Authorities	DART, DCTA, Trinity Metro Representatives	Cities/Counties	Amanda Wilson Rebekah Gongora	DART-Dee Leggett DCTA-Paul Cristina Trinity Metro-Chad Edwards	InfraStrategies
8 – Develop Recommendations for Transit Authority/Member City Paradox	Transportation Authorities  Member Cities	DART, DCTA, Trinity Metro Representatives	DART, DCTA, Trinity Metro Member Cities	Michael Morris	DART-Dee Leggett DCTA-Paul Cristina Trinity Metro-Chad Edwards	McKinsey
9 – Final Report	RTC Staff	RTC Committee of the Whole	-	All NCTCOG Staff	DART-Dee Leggett DCTA-Paul Cristina Trinity Metro-Chad Edwards	InfraStrategies McKinsey

# TOPICS FOR THE 2025 RTC LEGISLATIVE PROGRAM

### Adequately Fund Transportation

 Including Regional Transit 2.0 Funding Related Recommendations

### Utilize Tools and Expand Transportation Options

 Including Regional Transit 2.0 Non-Funding Related Recommendations (Land Use, Membership, Etc.)

**Enhance Safety** 

Pursue Innovation and Technology

Improve Air Quality

### **September 12, 2024**

Draft RTC Legislative Program presented as an Information Item; Comments Requested

#### October 10, 2024

RTC Legislative Program Presented as an Action Item

#### **November 5, 2024**

General Election for Federal, State, and County Offices

### November 11, 2024

Bill Filing Begins for the 89<sup>th</sup> Texas Legislature

### **January 14, 2025**

89<sup>th</sup> Legislature Convenes

## **TIMELINE**

The Regional Transportation Council will be presented with a list of proposed topics to support in advance of the 89<sup>th</sup> Legislature. Action will be sought in October 2024.



## **CONTACT US**



Rebekah Gongora

Program Manager

rgongora@nctcog.org

682-433-0477



Nick Allen

**Communications Coordinator** 

nallen@nctcog.org

817-704-5699

NCTCOG Legislative Updates: <a href="https://www.nctcog.org/legislative">www.nctcog.org/legislative</a>

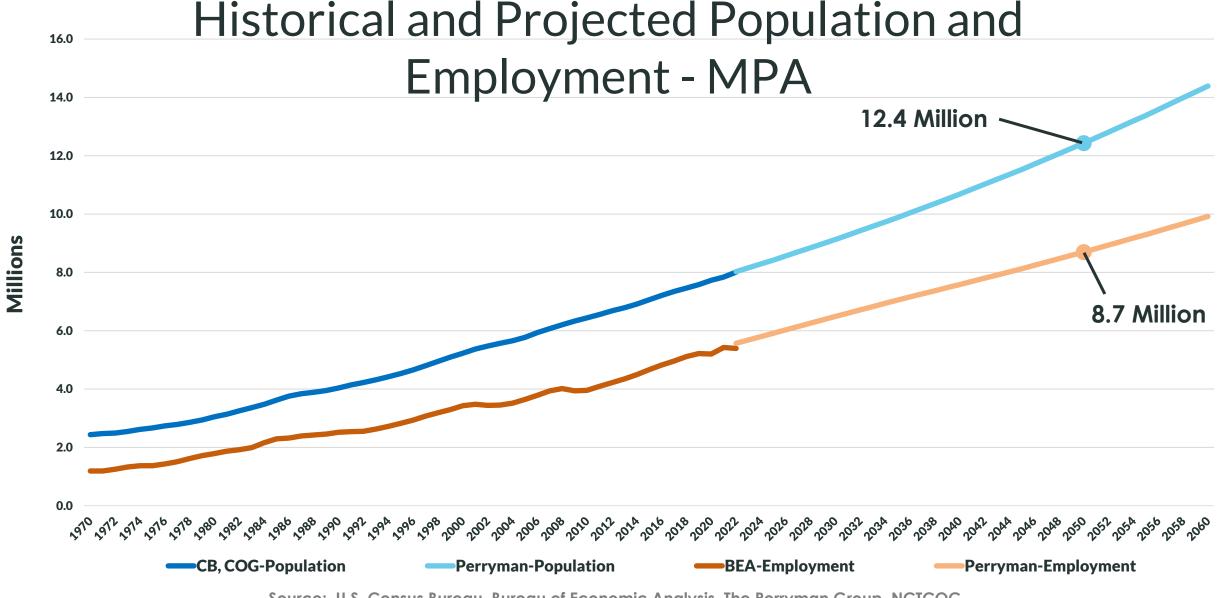
# Implications to



(The Metropolitan Transportation Plan for North Central Texas)

## Based on New Demographics

Regional Transportation Council
August 8, 2024







# Forecast 2050

### **Regional Control Totals**

	2019	2050 Control Total	2019 – 2050 Change	2019 – 2050 % Change
Population	7,515,038	12,429,673	4,914,635	65.4%
Employment	5,213,776	8,698,026	3,484,250	66.8%

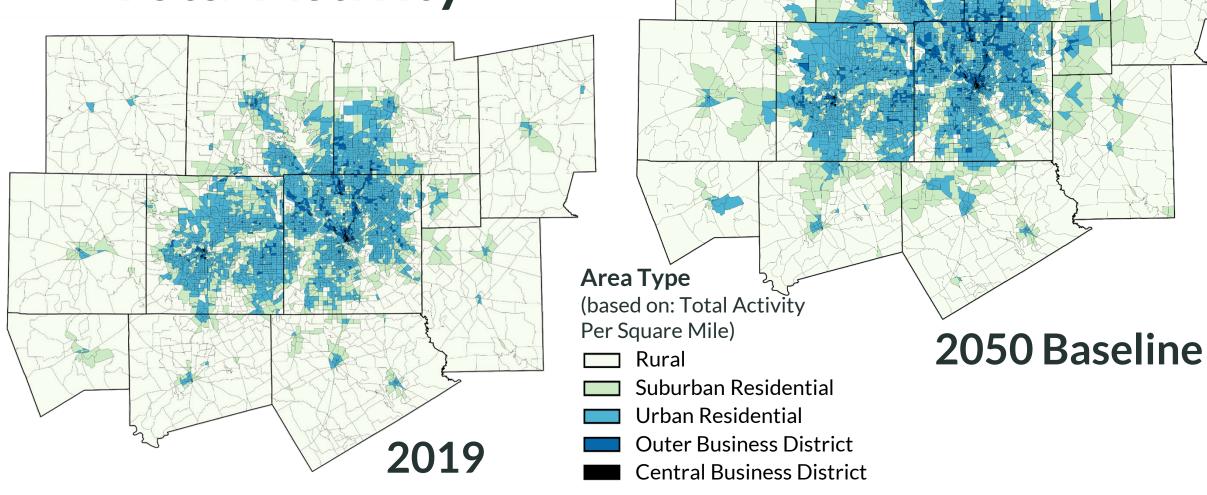
2050 Population/Employment Ratio

1.43

Source: U.S. Census Bureau, Bureau of Economic Analysis, The Perryman Group, NCTCOG

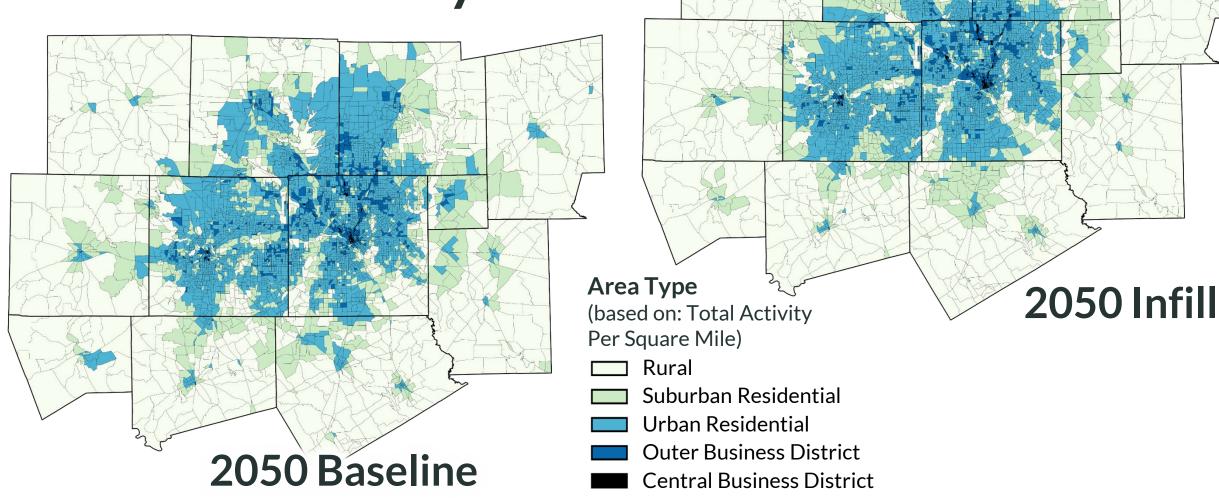


# Forecast 2050 Total Activity



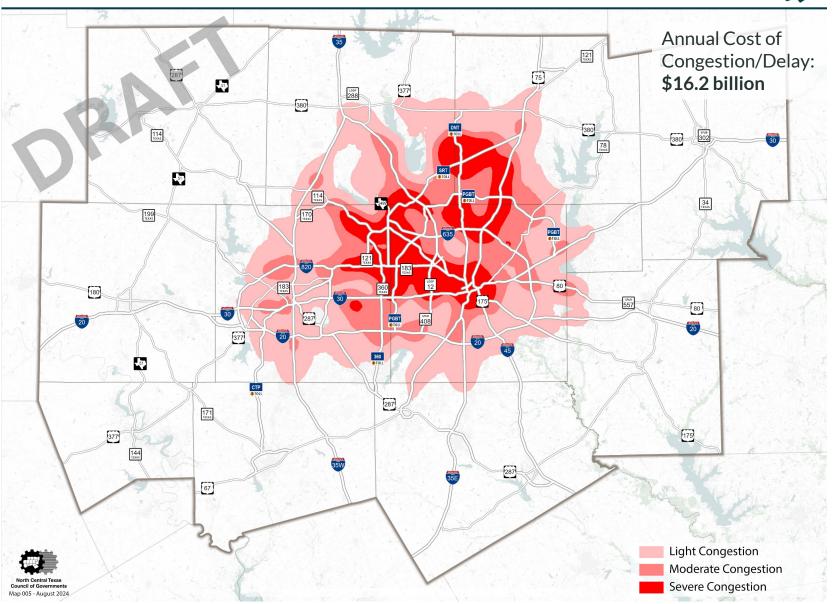


# Forecast 2050 Total Activity



#### **2026 Level of Congestion**

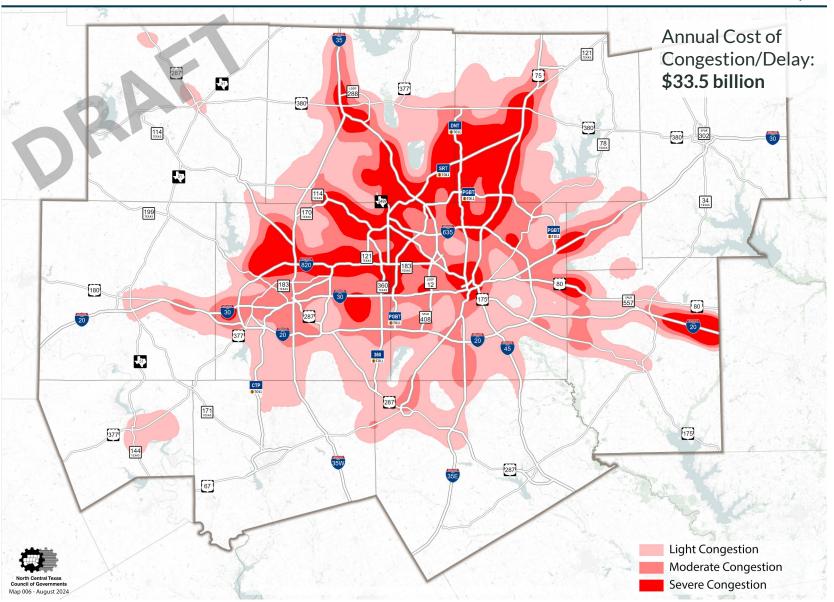




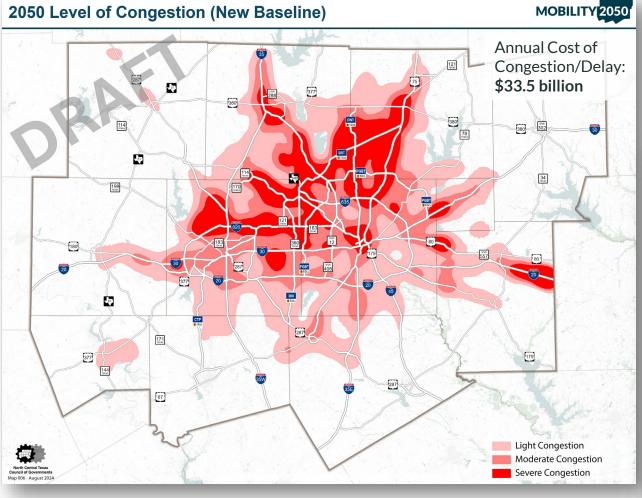


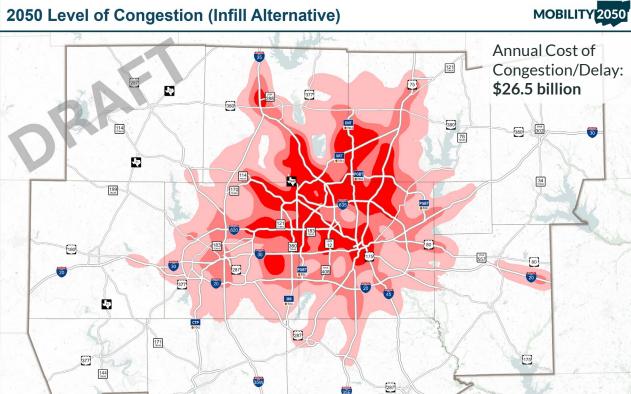
#### 2050 Level of Congestion (New Baseline)











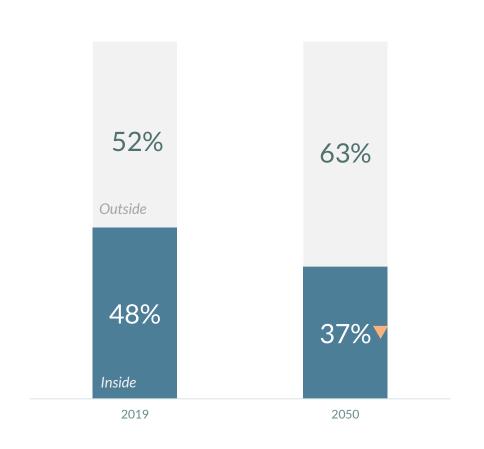


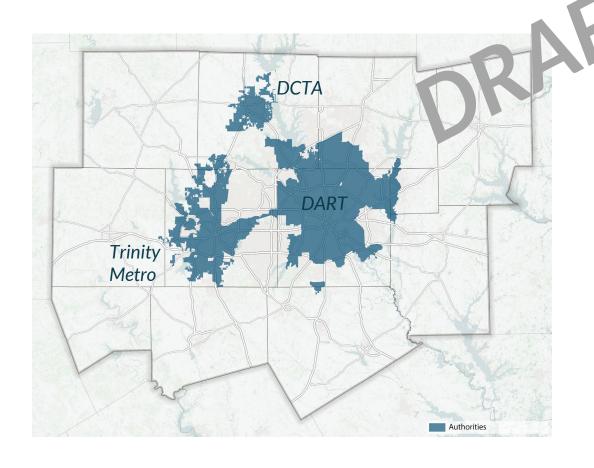
Light Congestion

Moderate Congestion

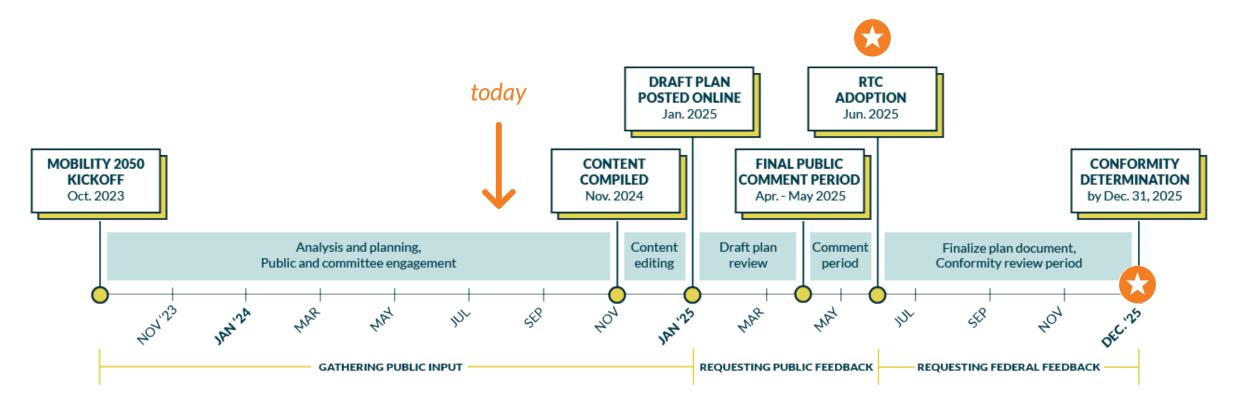
Severe Congestion

The population living inside a transit authority service area is expected to fall from 48% in 2019 to only 37% by 2050





# Timeline to Develop Mobility 2050





Key driver for Mobility 2050 schedule: End of 20-year horizon for 2045 by the end of 2025



# Public input reflects awareness of the population growth and its impacts

2,000 + Survey responses through June 2024

1,100 + Open-ended responses collected through June 2024

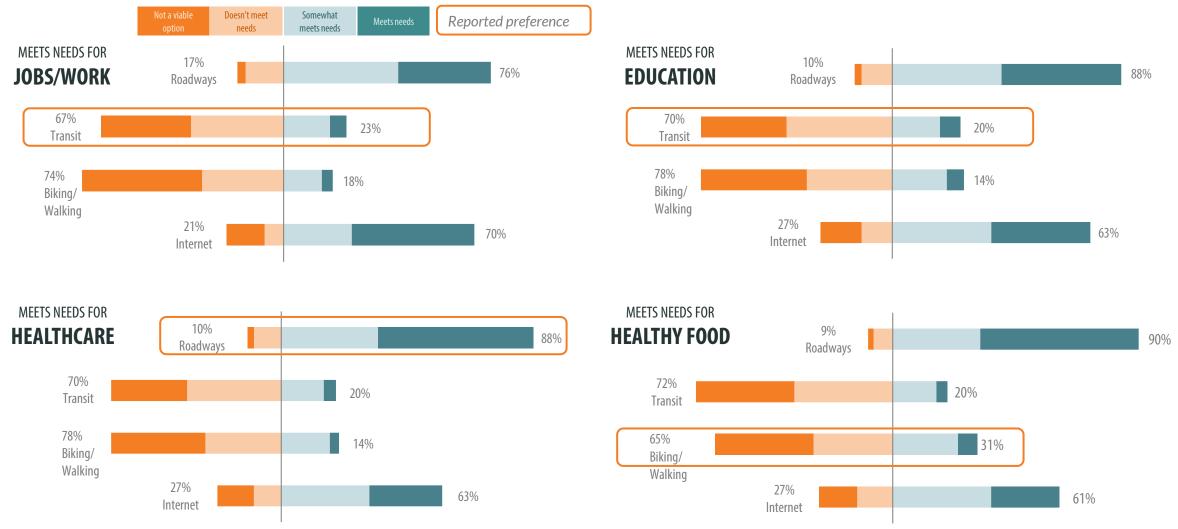
**300** + Map Your Experience comments through June 2024

Open-ended survey responses from 1,163 residents to date reveal that the public is feeling frustrated and limited. The top concern is roadways not keeping pace with growth, coupled with the lack of a robust regional transit network and inability to walk or bike.

What should we solve?



# Transit and active transportation are the most needed modal investments, according to members of the public





# Please share: there is still time to provide input at <a href="https://www.nctcog.org/M50">www.nctcog.org/M50</a>

### Take the Survey/Opinion Poll



### **Map Your Experience**



# Emerging policy priorities

### What is not changing?

- Continuity of projects over long project development cycles
- Goal themes remain in sync with overall public and policy priority

### What are items to examine?

- How to generate infill development/density
- Transit 2.0 guidance for policies to support transit system strategy
- Safety as a priority, including performance measures, modal safety issues, and strategies
- Funding and cost of implementing projects

# Thank you - Demographic Forecasting Collaboration

#### **Dan Kessler**

Assistant Director
Transportation
dkessler@nctcog.org

#### **Donna Coggeshall**

Research Manager Research & Information Services dcoggeshall@nctcog.org

#### Mark Folden

Senior Predictive Analytics Specialist Research & Information Services mfolden@nctcog.org

#### Gopindra Nair

Senior Transportation System Modeler Transportation <a href="mailto:gnair@nctcog.org">gnair@nctcog.org</a>

#### **Hua Yang**

Principal Transportation System Modeler Transportation <a href="https://hyang@nctcog.org">hyang@nctcog.org</a>

#### Kathy Yu

Principal Transportation System Modeler Transportation <a href="kyu@nctcog.org">kyu@nctcog.org</a>

#### Sarah Jackson

Geographic Information Analyst Research & Information Services <u>sjackson@nctcog.org</u>

#### **Dhaval Jariwala**

Transportation GIS Data Solutions Analyst I Transportation diariwala@nctcog.org



# **CONTACT US**



Brendon Wheeler, P.E., CFM

Program Manager

bwheeler@nctcog.org | 682-433-0478



Dan Lamers, P.E.

Senior Program Manager

dlamers@nctcog.org | 817-695-9263