

# MOBILITY 2045 UPDATE

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Public Meeting | February 7, 2021

# ABOUT MOBILITY 2045



## Mobility 2045

RTC Adopted  
June 2018

Air Quality Conformity  
November 21, 2018



## Mobility 2045

Air Quality Conformity expires  
(4 Years)

November 21, 2022



## Mobility 2045 Update

RTC Adoption  
June 2022

Air Quality Conformity Determination  
November 2022 or sooner

# MOBILITY PLAN GOALS

Four goal themes

Nine goals

## Mobility

- Improve Transportation Options
- Support Travel Efficiency Strategies
- Ensure Community Access to System and Process

## Quality of Life

- Enhance Environment and Lifestyles
- Encourage Sustainable Development

## System Sustainability

- Ensure Adequate Maintenance, Safety, and Reliability
- Pursue Long Term, Sustainable Financial Resources

## Implementation

- Provide Timely Planning and Implementation
- Develop Cost Effective Projects and Programs

# MAJOR PLAN UPDATE EMPHASIS

Updated travel  
and demographic  
data

Updated financial  
forecast

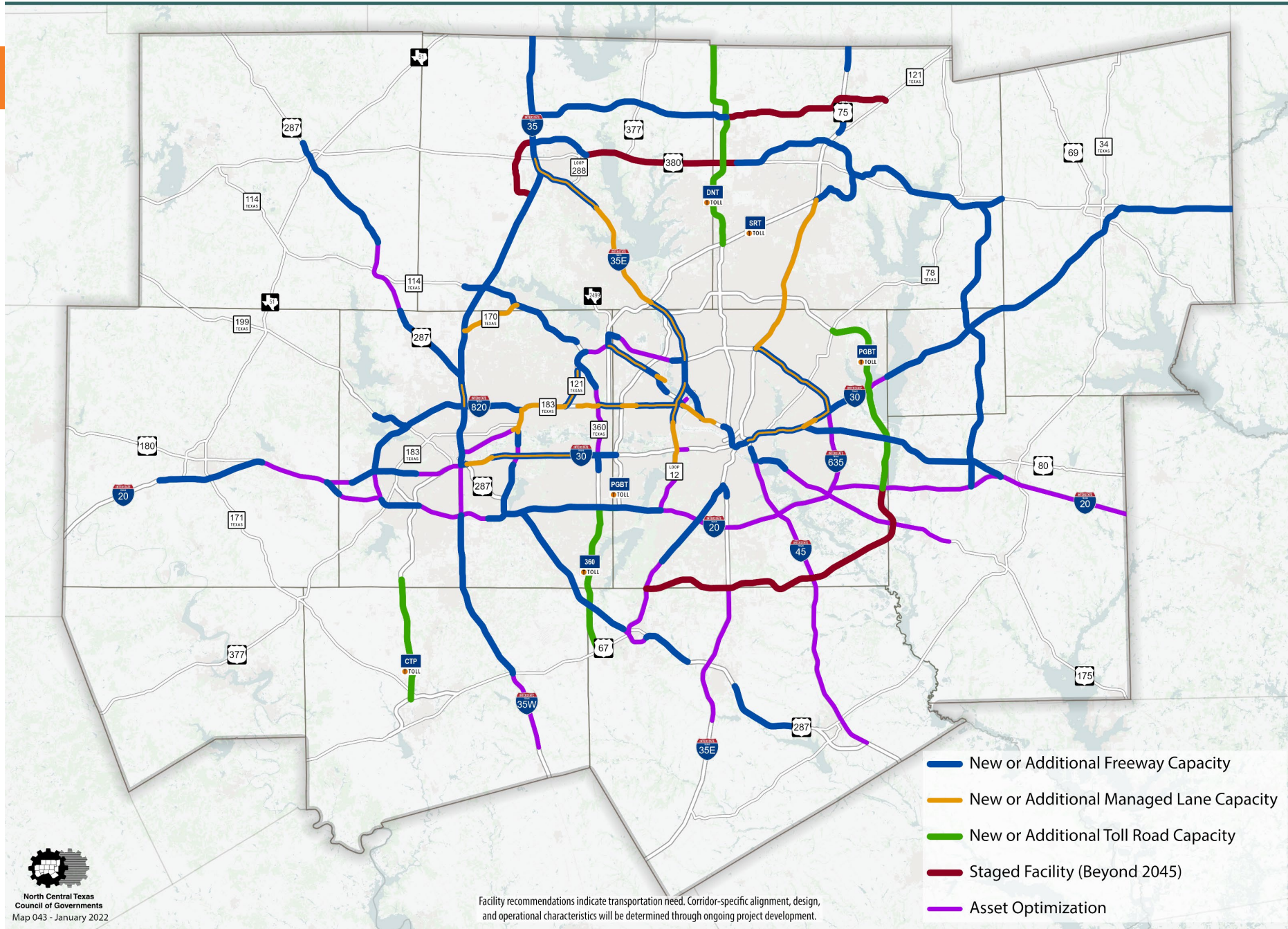
Project, Program,  
and Policy  
refinements

Updated  
performance-  
based planning  
framework

Updated Policy  
Bundle

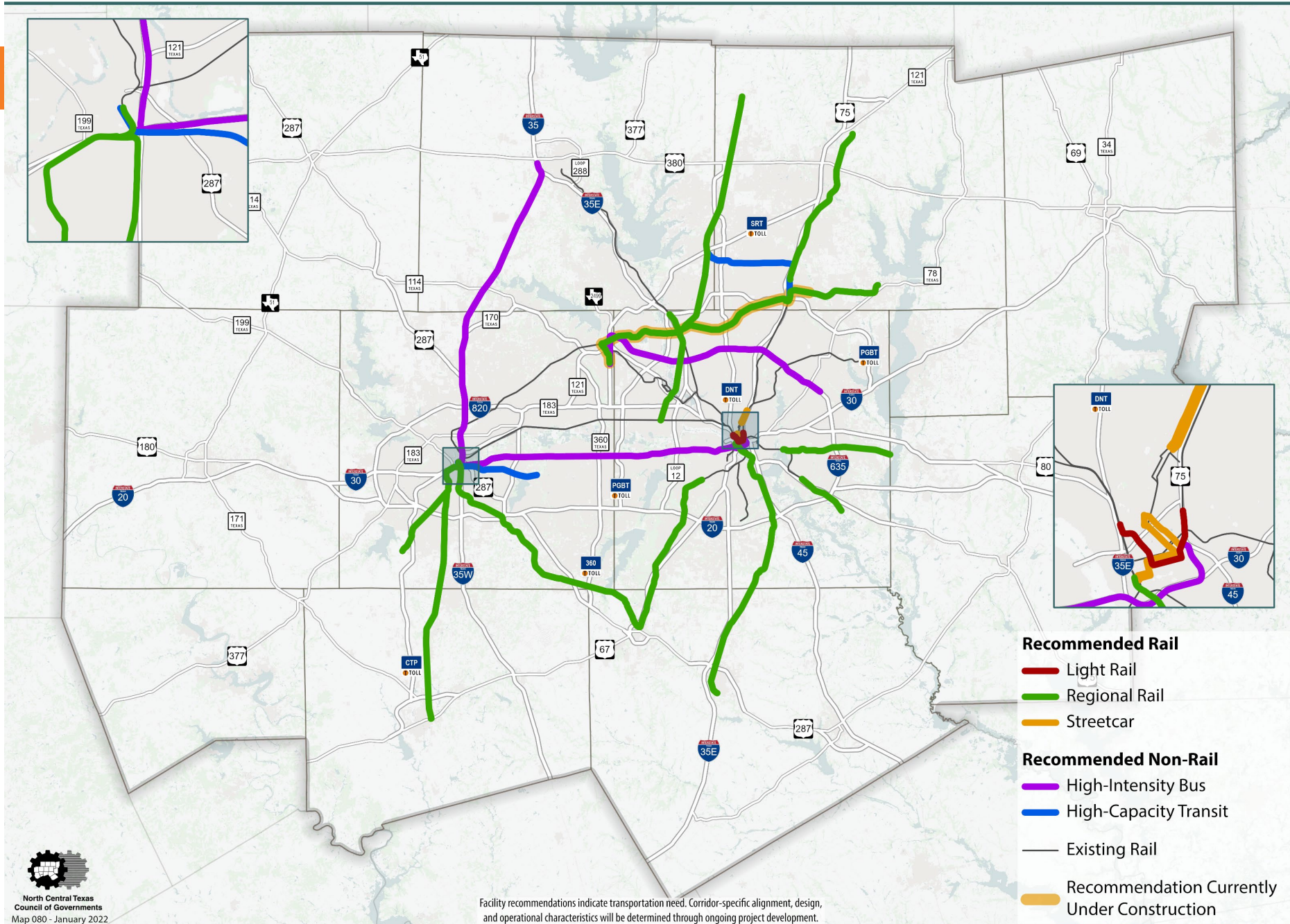
# DRAFT MATERIALS





- New or Additional Freeway Capacity
- New or Additional Managed Lane Capacity
- New or Additional Toll Road Capacity
- Staged Facility (Beyond 2045)
- Asset Optimization





### Recommended Rail

- Light Rail
- Regional Rail
- Streetcar

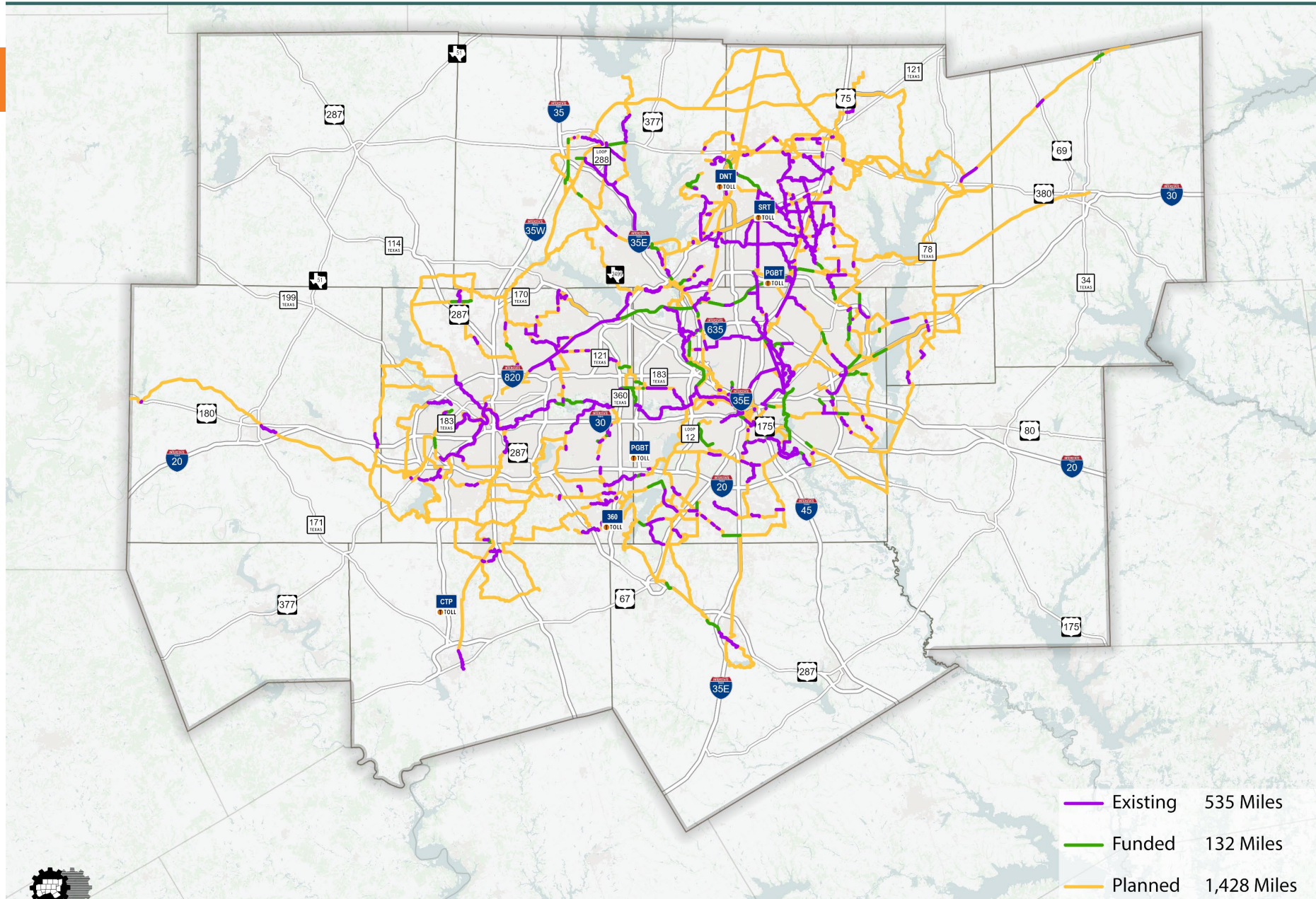
### Recommended Non-Rail

- High-Intensity Bus
- High-Capacity Transit

— Existing Rail

— Recommendation Currently Under Construction





|  |                    |
|--|--------------------|
| <span style="color: purple;">—</span> Existing | 535 Miles          |
| <span style="color: green;">—</span> Funded    | 132 Miles          |
| <span style="color: yellow;">—</span> Planned  | 1,428 Miles        |
| <b>Total</b>                                   | <b>2,095 Miles</b> |



# MORE DRAFT MAPS AND RECOMMENDATIONS TABLES AVAILABLE ONLINE

[www.nctcog.org/PlanInProgress](http://www.nctcog.org/PlanInProgress)



Major Roadway  
Recommendations

Regionally-  
Significant  
Arterials

Priced Facilities

Transit Corridor  
Recommendations

Roadway Project  
Listing

Transit Project  
Listing

# HIGHLIGHTED POLICY AND PROGRAM UPDATES



## Safety

References new Pedestrian Safety Action Plan endorsed by the Regional Transportation Council on June 10, 2021



## Health Accessibility Program

Identify and support transportation solutions to address health disparities in underserved communities, including solutions that improve access to healthy food and medical care



## Environmental Considerations

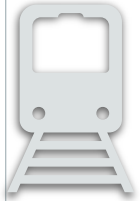
Build on air quality, resiliency, and environmental programs and incorporate new strategies



## TDM Strategies

RTC Resolution R21-04 supports the establishment of a regional SOV trip reduction target of 20% annually

# HIGHLIGHTED TECHNOLOGY PROGRAM UPDATES



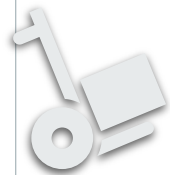
## Advance High-Speed Transportation recommendations

Consider high-speed rail and hyperloop between Dallas-Arlington-Fort Worth, as well as connectivity with the proposed Houston-Dallas high-speed rail and Fort Worth-Laredo high-speed rail/hyperloop



## Safe Integration of Vertical Mobility Technology in the NCTCOG region

New policy to safely and efficiently integrate Vertical Mobility Technology, Advanced Air Mobility, Urban Air Mobility, Unmanned Traffic Management, and Unmanned Aircraft Systems into the NCTCOG region



## Advance Automated Transportation Systems (ATS)

Apply ATS technology in passenger and freight applications for local circulation and first/last mile access to regional rail



## Automated Vehicles

Incorporate the new Automated Vehicle 2.0 initiative launched since the adoption of the last Mobility Plan



## Internet and Broadband

Incorporates a new topic of broadband internet through discussion of access, infrastructure, the intersection of communications and transportation, and potential uses





# FINANCIAL PLAN

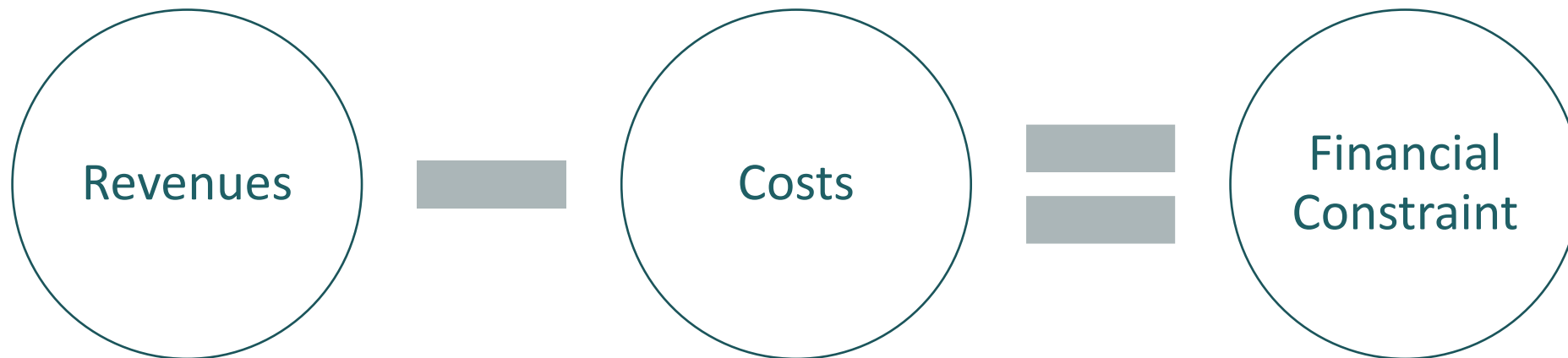
# FINANCIAL PLAN REQUIREMENTS

Plan must be financially constrained

Include all reasonably expected sources of revenue

Year of expenditure dollars

Balance priorities with available revenues



# PRELIMINARY FINANCIAL PLAN COST

|                                     |   | MOBILITY 2045        | MOBILITY 2045 UPDATE     |
|-------------------------------------|---|----------------------|--------------------------|
| MAXIMIZE EXISTING SYSTEM            | Infrastructure Maintenance                          | 36.8                 | -15% ▼                   |
|                                     | Management & Operations                             | 9.5                  | 0%                       |
|                                     | Growth, Development, & Land Use Strategies          | 3.2                  | -60% ▼                   |
| STRATEGIC INFRASTRUCTURE INVESTMENT | Rail & Bus  | 33.3                 | +25% ▲                   |
|                                     | HOV/Managed Lanes + Freeways/Tollways and Arterials | 53.6                 | +25% ▲                   |
| <b>Total, Actual \$, Billions</b>   |   | <b>136.4 Billion</b> | <b>140-150 Billion ▲</b> |



# PRELIMINARY FINANCIAL PLAN COST

|                                     |   | MOBILITY 2045 UPDATE | CHANGES SINCE MOBILITY 2045                          |
|-------------------------------------|---|----------------------|--|
| MAXIMIZE EXISTING SYSTEM            | Infrastructure Maintenance                          | -15% ▼               | -5 years in plan for annualized maintenance programs |
|                                     | Management & Operations                             | 0%                   | New federal funds                                    |
|                                     | Growth, Development, & Land Use Strategies          | -60% ▼               | Loss of AirCheck Program                             |
| STRATEGIC INFRASTRUCTURE INVESTMENT | Rail & Bus  | +25% ▲               | New federal funds                                    |
|                                     | HOV/Managed Lanes + Freeways/Tollways and Arterials | +25% ▲               | New federal funds                                    |
| Total, Actual \$, Billions          |   | 140-150 Billion ▲    |  |

# REVENUE SOURCES

## Baseline Revenue

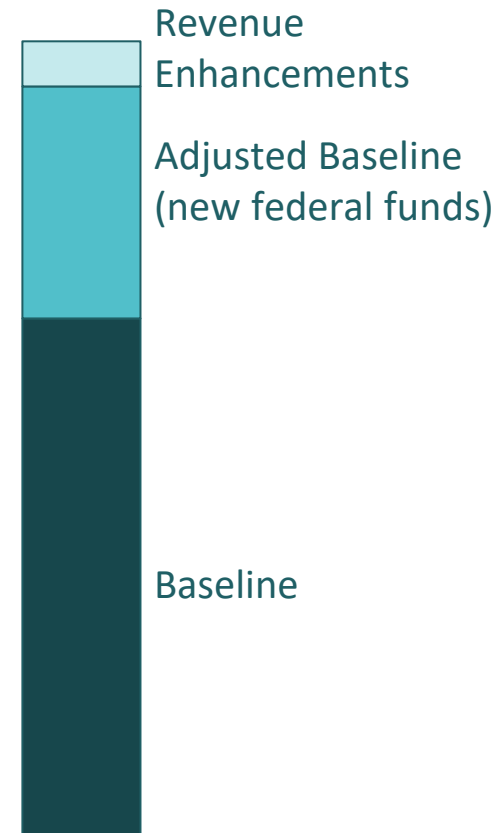
- Funds flowing through State Highway Fund and TxDOT UTP (Categories 1-12)
- System revenue
- Transit revenue (sales tax, federal, local, etc.)
- Local funds/local match

## Adjusted Baseline

- New state and federal funds expected to start flowing through State Highway Fund
- New federal funds for transit
- Private and local funds for transit

## Revenue Enhancements

- Reasonably anticipated future revenue, equivalent of increases in gas tax and vehicle registration fees
- Local option vehicle registration fees



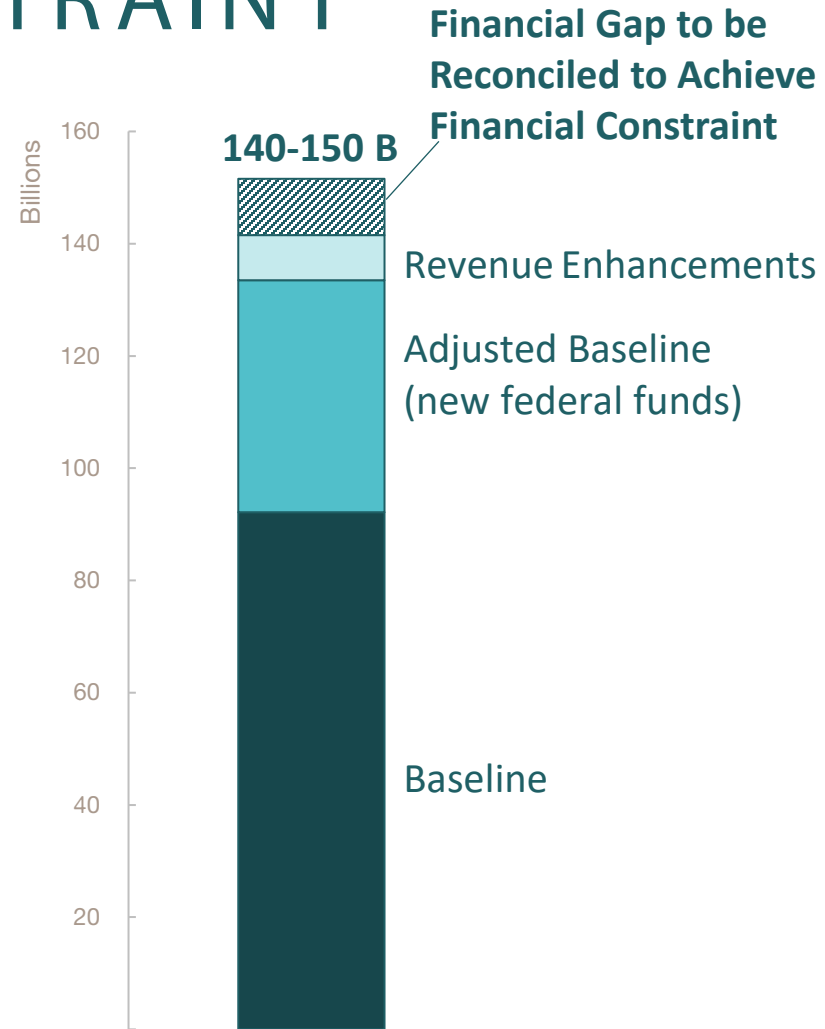
# FINANCIAL CONSTRAINT

## IN PROGRESS

Financial constraint expected

Refinement of project/program costs

Refinement of revenue forecast







# CONTACT US



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# MAP YOUR EXPERIENCE

- Digital tool part of a suite of input tools and processes
- Input will be mapped against plan recommendations to find solutions already underway, gaps, and areas of need
- MYE campaign in March-April
- Results will be brought back to future meetings

