

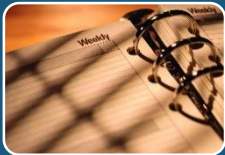


**The Metropolitan Transportation Plan
for North Central Texas**

What is the Metropolitan Transportation Plan?



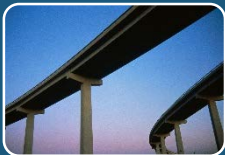
Represents a blueprint for the region's multimodal transportation system



Covers at least a 20-year timeframe



Responds to Regional Transportation Council goals



Identifies policies, programs, and projects for continued development



Guides the expenditure of federal and state transportation funds

Mobility 2040 Goals

Mobility

- Improve the availability of transportation options for people and goods.
- Support travel efficiency measures and system enhancements targeted at congestion reduction and management.
- Ensure all communities are provided access to the regional transportation system and planning process.

Quality of Life

- Preserve and enhance the natural environment, improve air quality, and promote active lifestyles.
- Encourage livable communities that support sustainability and economic vitality.

System Sustainability

- Ensure adequate maintenance and enhance the safety and reliability of the existing transportation system.
- Pursue long-term, sustainable revenue sources to address regional transportation system needs.

Implementation

- Provide for timely project planning and implementation.
- Develop cost-effective projects and programs aimed at reducing the costs associated with constructing, operating, and maintaining the regional transportation system.

What's New for Mobility 2040?

Planning Horizon

2040
(24 years)

Demographics

Population by 2040:
10.7 million
Employment by 2040:
6.7 million

Financial Assumptions

Legislative action and
RTC direction

Planning Requirements

Legislative action
and/or pending official
guidance on MAP-21

Policy Considerations

Focus on balance and
integrated system
connectivity
More transportation
options and choice

Recommendations

Responsive to
demographics,
financial assumptions,
planning requirements,
and policy
considerations

Mobility 2040 Prioritization and Expenditures

Maximize Existing System	Infrastructure Maintenance <ul style="list-style-type: none"> Maintain & Operate Existing Facilities Bridge Replacements 	\$37.4
	Management and Operations <ul style="list-style-type: none"> Improve Efficiency & Remove Trips from System Traffic Signals and Bicycle & Pedestrian Improvements 	\$7.2
	Growth, Development, and Land Use Strategies More Efficient Land Use & Transportation Balance	\$3.6
Strategic Infrastructure Investment	Rail and Bus Induce Switch to Transit	\$27.2
	HOV/Managed Lanes Increase Auto Occupancy	\$43.4
	Freeways/Tollways and Arterials Additional Vehicle Capacity	
Mobility 2040 Expenditures		\$118.9*

*Actual dollars, in billions. Values may not sum due to independent rounding.

Mobility 2040 Summary

Financial Reality

Reduces use of toll in proportion to new revenue made available from recent state legislative sessions

Social Considerations

Emphasizes transportation choice for a diverse and growing region

Environmental Considerations

Strengthens connection between environmental and transportation planning

Operational Efficiency

Continues programs aimed at reducing travel and creating an efficient transportation system

Mobility 2040 Summary

Mobility Options

- Supports on- and off-street bicycle and pedestrian facilities
- Recommends over 6,350 new lane miles on the region's roadway network
- Calls for more than 380 miles of passenger rail by 2040
- Introduces "high intensity bus" service to the region
- Accommodates high speed rail service to and within the region
- Recognizes the important roles freight and aviation play in our region's economy

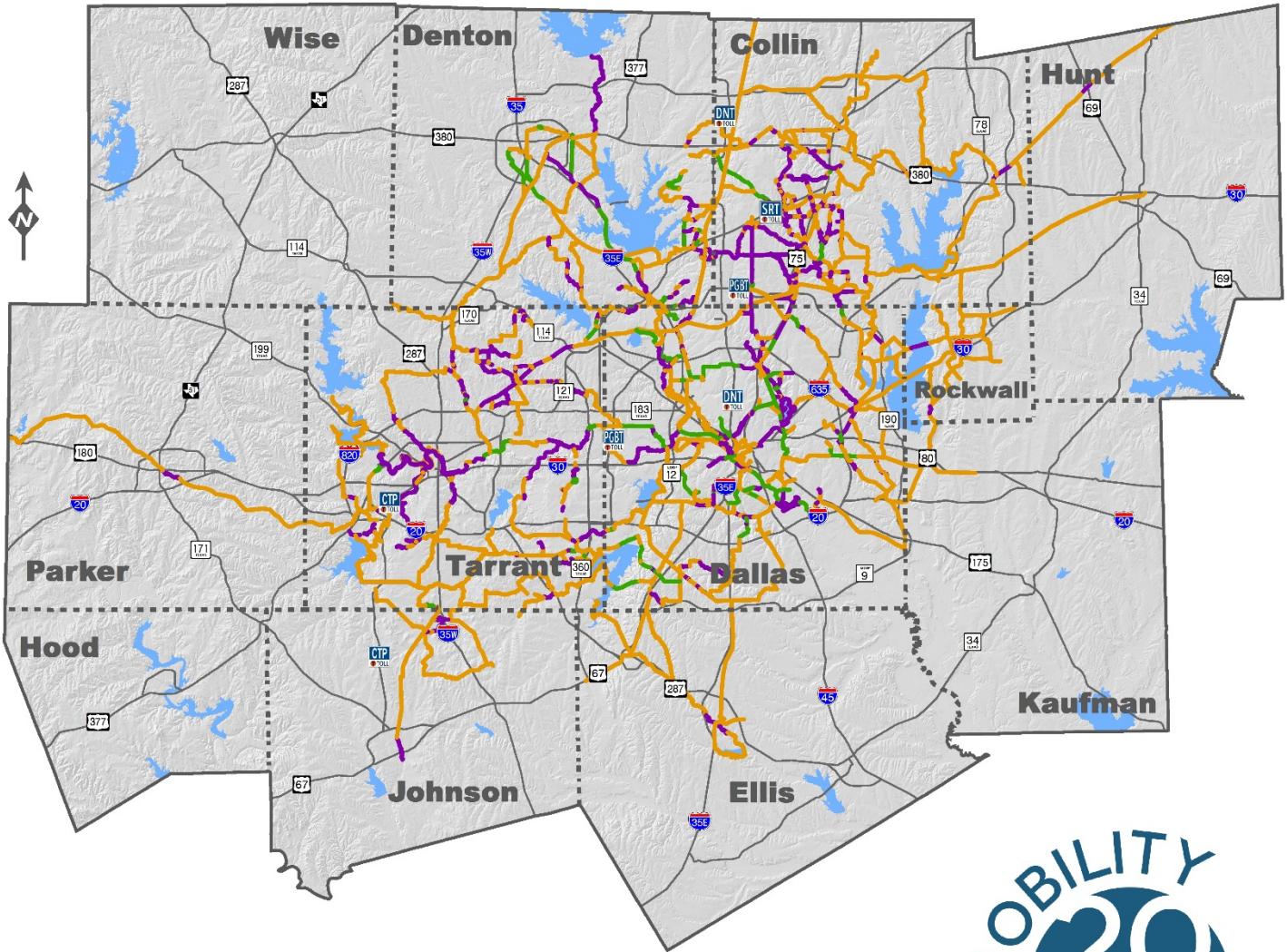
Regional Performance

Documents significant performance measures to track system performance over time

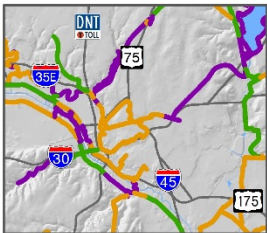
Regional Veloweb

Facility Status

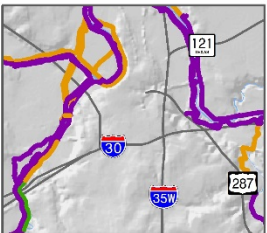
- Existing 442 Miles
- Funded 146 Miles
- Planned 1,288 Miles
- Total 1,876 Miles
- Major Roads



Dallas CBD







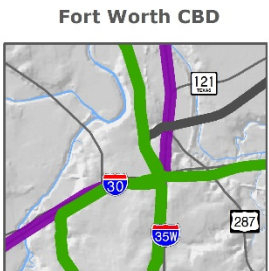
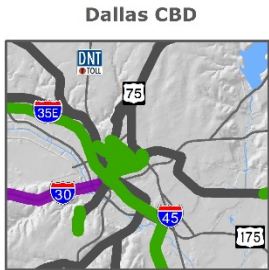
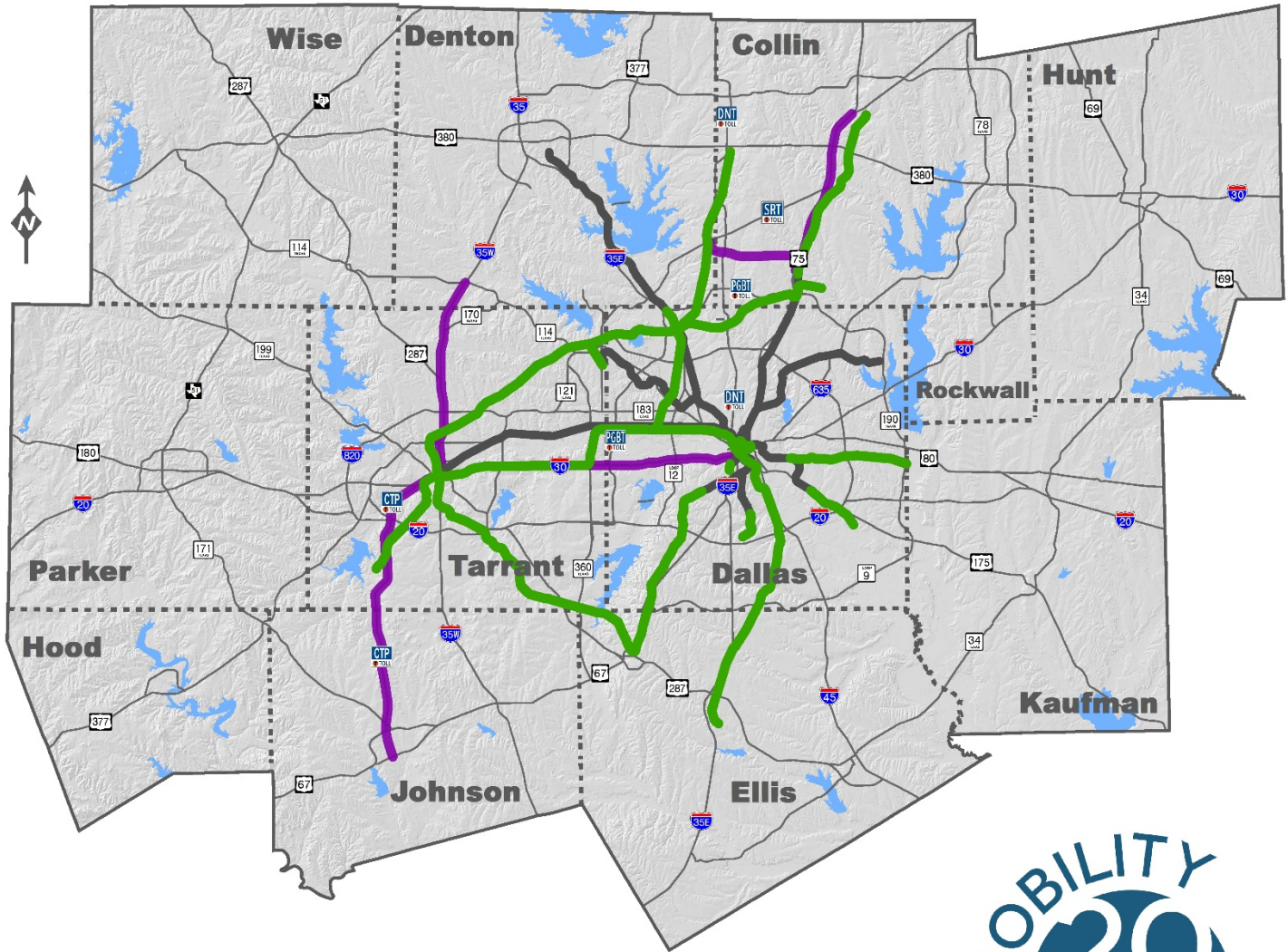
Fort Worth CBD



Facility recommendations indicate transportation need. Corridors specific alignment, design, and operational characteristics for the Regional Veloweb system will be determined through ongoing project development.

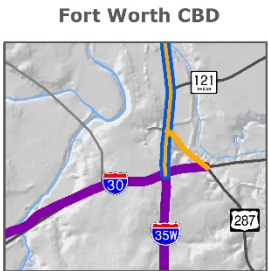
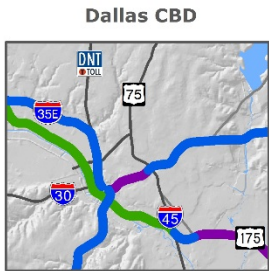
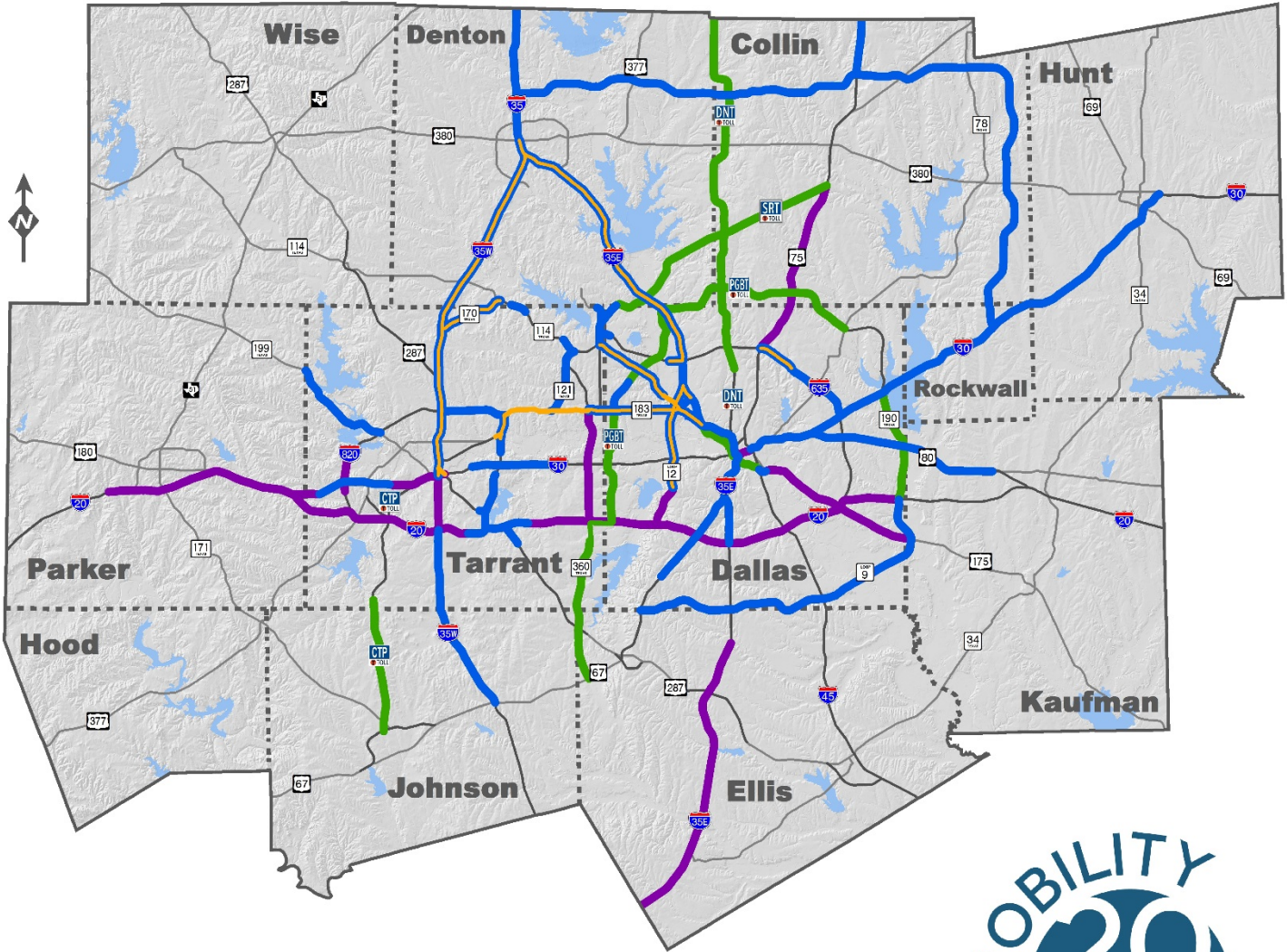
Major Transit Corridor Recommendations

-  Recommended Rail
-  Existing Rail
-  Recommended High-Intensity Bus
-  Major Roadways







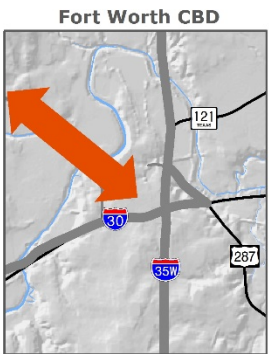
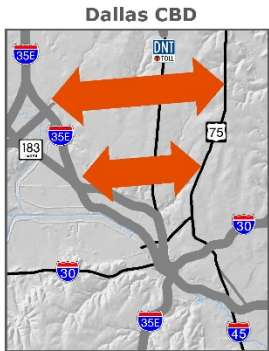
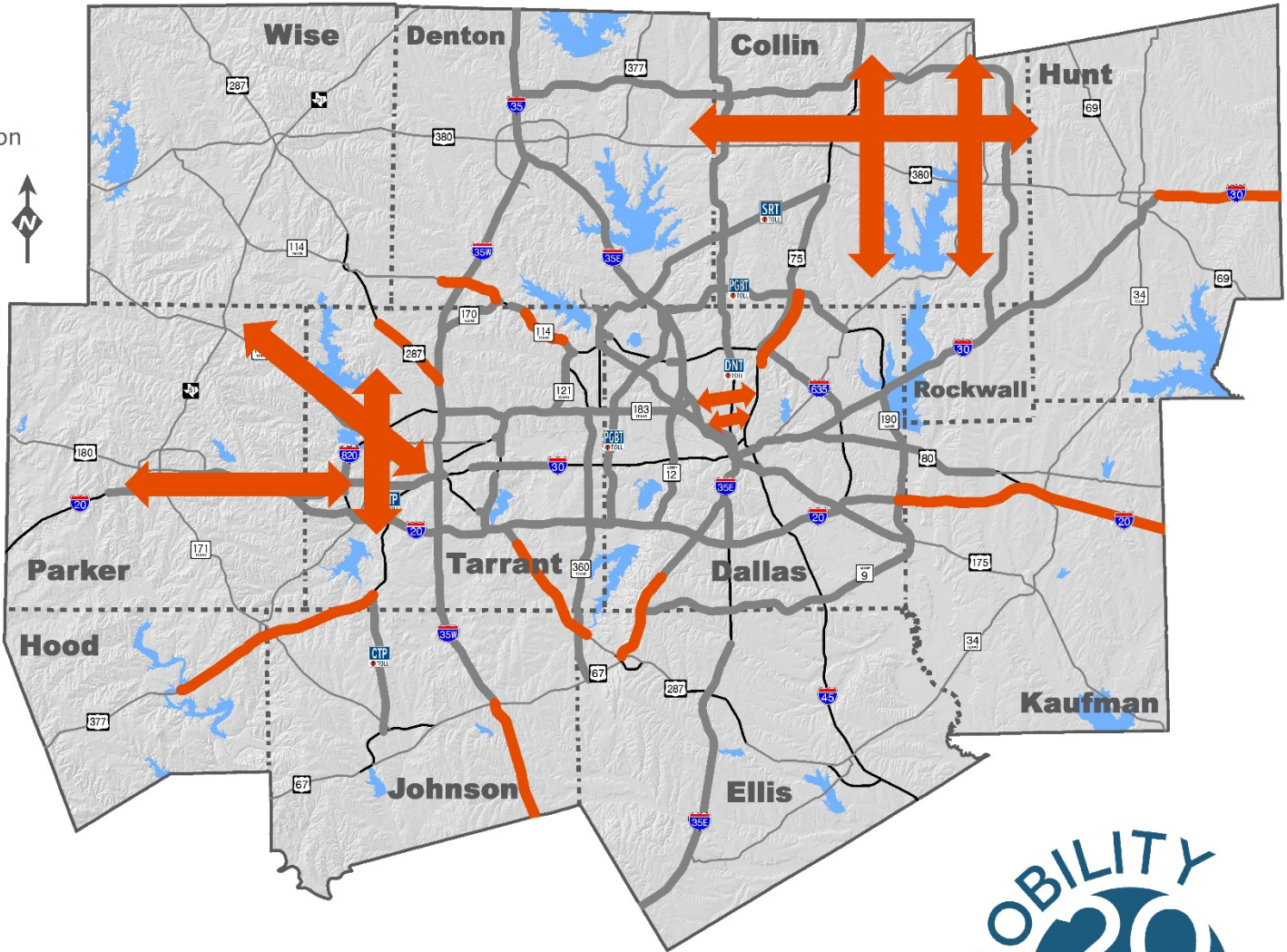
Major Roadway Recommendations

-  New or Additional Freeway Capacity
-  Additional Freeway Capacity and New Tolled Managed Lanes
-  New or Additional Tolled Managed Capacity
-  New or Additional Toll Road Capacity
-  Capacity Maintenance
-  Freeways/Tollways
-  Other Major Roadways



Illustrative Major Roadway Corridors for Future Evaluation

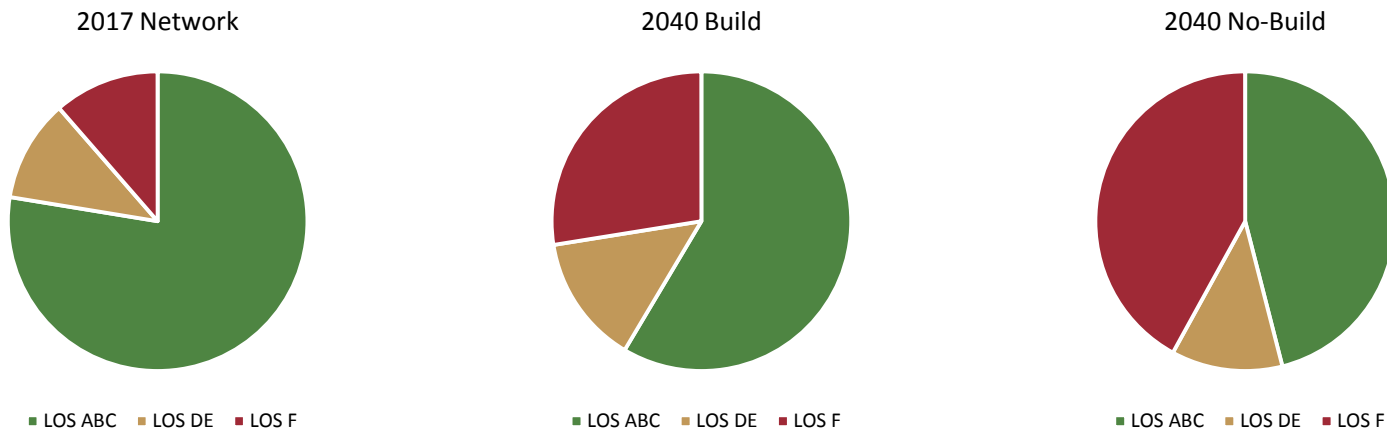
-  Corridors for Future Evaluation
-  Mobility 2040 Corridor Recommendation
-  Freeways/Tollways
-  Other Major Roadways



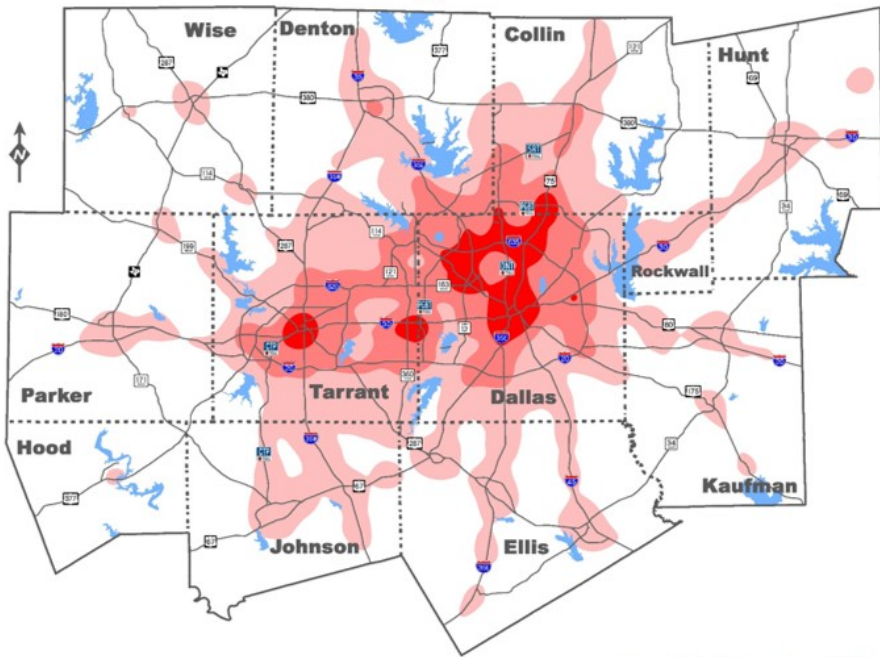
Regional Performance Measures

Regional Performance Measures	2017	2040	No-Build
Population	7,235,508	10,676,844	10,676,844
Employment	4,584,235	6,691,449	6,691,449
Vehicle Miles of Travel (Daily)	206,162,076	319,470,644	320,119,945
Hourly Capacity (Miles)	44,334,264	52,655,877	43,872,454
Vehicle Hours Spent in Delay (Daily)	1,521,068	3,587,058	6,198,230
Increase in Travel Time Due to Congestion	38.2%	58.4%	98.2%
Annual Cost of Congestion (Billions)	\$10.7	\$25.3	\$43.9

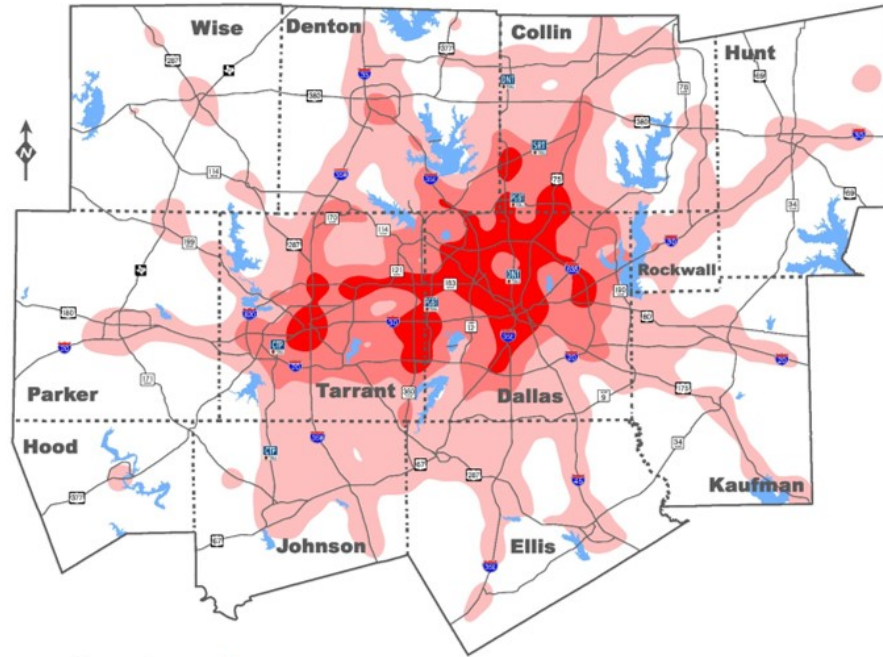
Lane Miles at Level of Service ABC, DE, and F



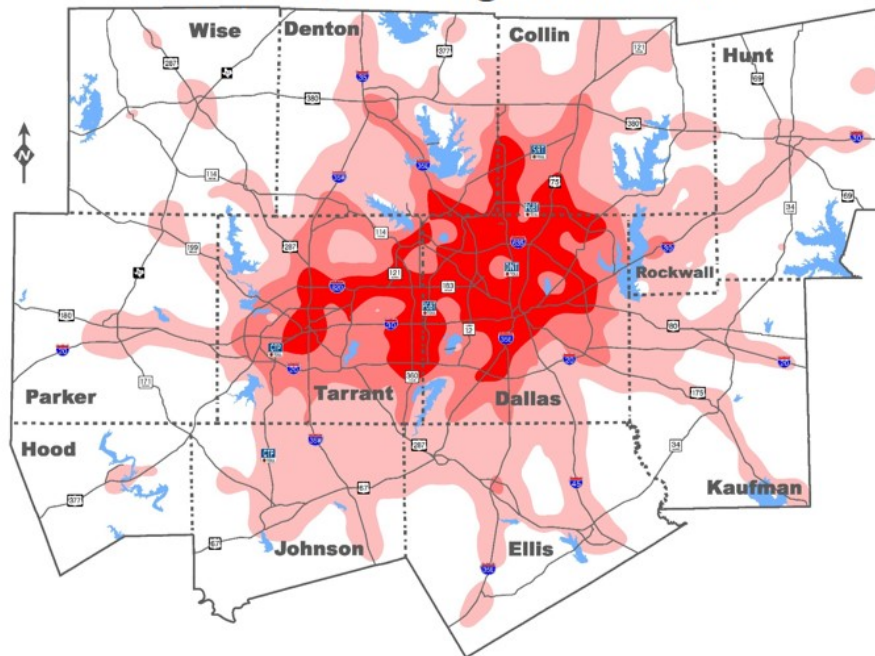
Current Congestion Levels




2040 Congestion Levels



2040 No-build Congestion Levels



Congestion Index

-  No Congestion
-  Light Congestion
-  Moderate Congestion
-  Severe Congestion
-  Major Roads



Contact Information

To find out more about Mobility 2040:

www.nctcog.org/mobility2040

Email questions or comments to:

mobilityplan@nctcog.org



THE METROPOLITAN TRANSPORTATION PLAN
FOR NORTH CENTRAL TEXAS