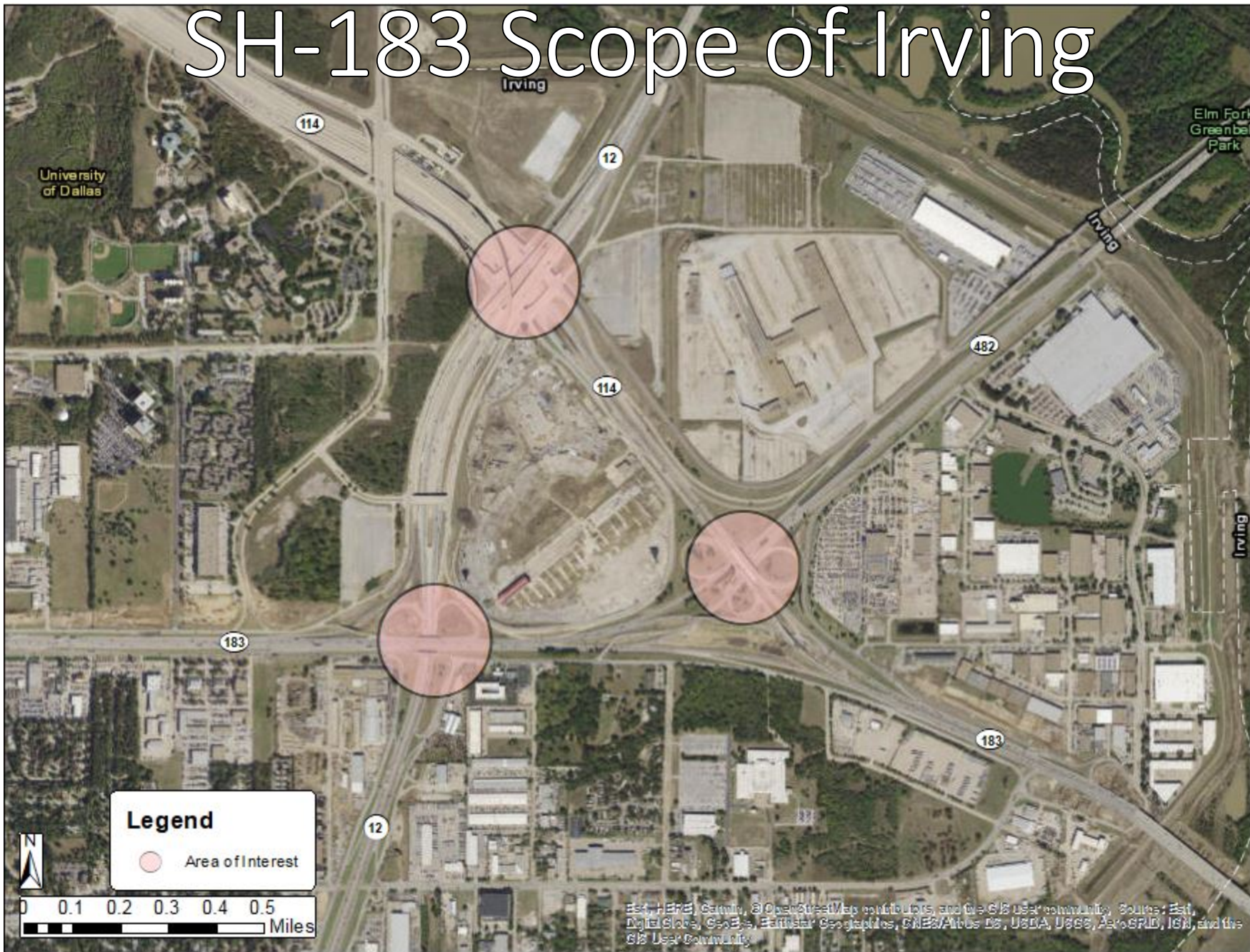


SH-183 Scope of Irving



IH 635 EAST PHASE 3

From US 75 to IH 30

Regional Transportation Council
May 10, 2018

Michael Morris, P.E.
Director of Transportation

Ken Kirkpatrick
Counsel for Transportation

Christie Gotti
Senior Program Manager
Transportation Project Programming



North Central Texas
Council of Governments

SUMMARY OF IH 635 EAST PROJECT DEAL POINTS

Applies to IH 635 East

Advances Design-Build Procurement this Month

Minimizes Areas of Risk (Advances Family 6)

Reconfirmed Soft Match for Category 12 to Region

Consistent with RTC Policy P17-01

SUMMARY OF IH 635 EAST PROJECT DEAL POINTS

continued

Consistent with Proposed Mobility 2045

Closes Funding Gap without Cashing In Projects

Includes Skillman/Audelia Interchange

Completes 20-Year Process for IH 635

Proposes Equitable Funding Table Partnership

ACTION REQUESTED

Approve RTC Item 5.2, Cover Letter

Item 5.3, Resolution

Item 5.4, Funding Table

No Longer Pursue NTTA Approach

Add Details to All TIP Documents and UTP Requests

2019-2022 TRANSPORTATION IMPROVEMENT PROGRAM LISTINGS

Regional Transportation Council

May 10, 2018

A COOPERATIVE EFFORT

Local Governments

- Cities
- Counties

Texas Department of Transportation

- Dallas District
- Fort Worth District
- Paris District

Transit Agencies

- DART
- Trinity Metro
- DCTA

Transportation Agencies

- North Texas Tollway Authority
- DFW Airport



North Central Texas Council of Governments

2019-2022 Transportation Improvement Program for North Central Texas

2019-2022 TRANSPORTATION IMPROVEMENT PROGRAM (TIP): DEVELOPMENT PROCESS

- Review existing projects and gather information on additional locally funded projects.
 - Make needed revisions to existing project schedules, funding, and/or scope.
 - Develop revised project listings.
 - Financially constrain project programming based on estimated future revenues.
 - Conduct Mobility Plan and Air Quality conformity review.
 - Solicit public input.
- Finalize project listings and submit to the Texas Department of Transportation (TxDOT) and Federal Highway Administration (FHWA).

SCOPE OF PROGRAMMING

- \$8.23 Billion in the 2019-2022 TIP (Roadway and Transit)
 - \$3.30 Billion in Federal Commitments
 - \$1.07 Billion in State Commitments
 - \$0.15 Billion in Regional Commitments
 - \$0.58 Billion in Local Commitments
 - \$3.13 Billion in Transit Commitments
- 1,114 Active Projects (Roadway and Transit)
- 76 Implementing Agencies (Roadway and Transit)

REQUESTED ACTION

- RTC approval of:
 - The projects and project changes shown in the 2019-2022 TIP roadway double entry report and transit listings (Reference Item 6.2)
 - Amending the Unified Planning Work Program (UPWP) and other planning/administrative documents to incorporate TIP-related changes
 - Submitting the final 2019-2022 TIP document to TxDOT for inclusion in the Statewide Transportation Improvement Program (STIP)
 - The resolution adopting the 2019-2022 TIP which will be transmitted to federal, state, and local impacted agencies (Reference Item 6.3)
 - **The ability to administratively amend individual TIP projects to match the new Mobility 2045 recommendations (including LBJ East and SH 183) as needed**
- Only projects in FY 2019-2022 will be included in the new TIP
 - Projects in FY 2023+ will be included in an appendix to allow project development activities to continue.

TIMELINE

May – October 2017	Conducted meetings with implementing agencies
August 2017 – February 2018	Data entry and financial constraint
February - March 2018	Presented draft listings to STTC and RTC for Information
April 2018	Conduct public meetings
	Present final listings to STTC for Action
May 2018	Present final listings to RTC for Action
June 2018	Transmit final document to TxDOT
August 2018	Anticipate approval of the STIP by Texas Transportation Commission
October/November 2018	Anticipate federal approval of the STIP

2019-2022 TIP DEVELOPMENT: QUESTIONS/COMMENTS

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Brian Dell

Transportation Planner III

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TIRE RECYCLING PROGRAM

Regional Transportation Council

May 10, 2018



North Central Texas
Council of Governments

Jenny Narvaez
NCTCOG



Regional Transportation Council

TIRE RECYCLING PROGRAM

The Problem

Improperly discarded tires lead to a number of harmful effects on:

- The environment
- Human health
- Safety



TIRE RECYCLING PROGRAM

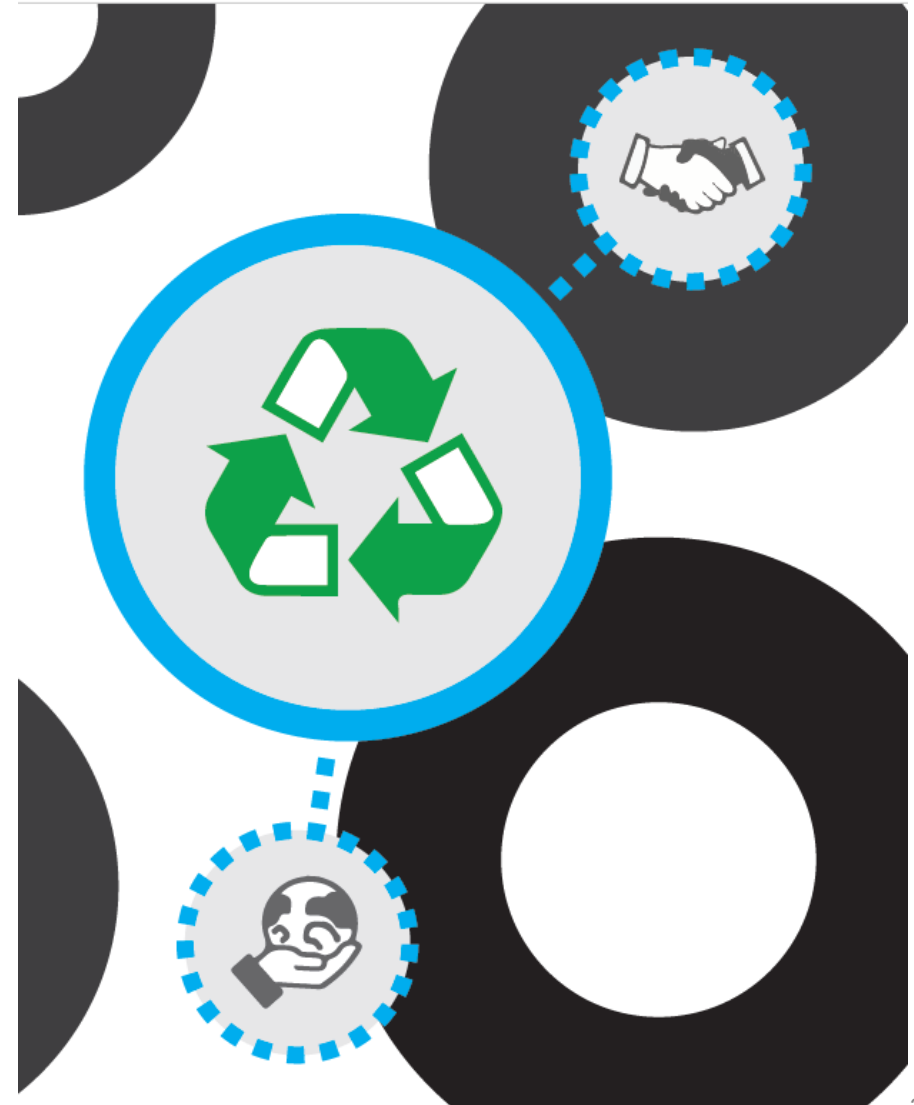
The Solution

Scrap tire recycling and collection programs would:

Improve the environment

Increase safety

Create jobs



TIRE RECYCLING PROGRAM

Implementation of Program

Mobility 2045 – Language inclusion into the Environmental Considerations Chapter

“Transportation-related businesses also can support healthy communities and the environment. For example, byproducts of transportation that may otherwise be dumped in the natural environment or stored at landfills can be recycled into new transportation sources, such as crumb rubber asphalt or railroad ties. This process promotes healthy communities by eliminating a potential breeding ground for mosquitoes when rainwater collects in abandoned transportation byproducts, such as tires.”

Continue discussions with Regional Transportation Council and local governments to implement regional program

Include in forthcoming Metropolitan Transportation Plan Policy Bundle

TIRE RECYCLING PROGRAM

Requested Action

Request Regional Transportation Council Approval of:

Adding Tire Recycling Program language to Mobility 2045 for incorporation into the Metropolitan Transportation Plan Policy Bundle

Allow staff to engage the Regional Transportation Council and local governments to advance conversations for policy implementation

TIRE RECYCLING PROGRAM

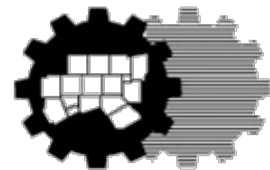
Contact

Jenny Narvaez
Principal Air Quality Planner
(817) 608-2342
jnarvaez@nctcog.org

Regional Transportation Council Legislation and Finance Partnership - Committee of the Whole Meeting Follow-Up and Legislative Update

MAY 10, 2018

AMANDA WILSON, AICP
NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS



RTC State Legislative Program

Potential 2019 Topics

Vehicle miles traveled (VMT) based collection

Electric vehicles

Use Comptroller revenues as infrastructure bank

- Two benefits: Comptroller and ability to borrow money

Transit and high speed rail; new technology companies (next generation people movers)

Local Option

RTC Federal Program

Potential New Topics

VMT

Donor State

Latest US Census Formula

Electric Vehicles

New Pilot Test

Federal Update

FY18 Appropriations

Approved March 23

\$1.3 trillion for all departments

Transportation-HUD increase of \$12.6B over FY17 (\$57.7B to \$70.3B)

- \$47.5B for FHWA programs (+\$2.55B); no rescission of highway contract authority
- \$10.5B for transit formula grants (+\$834M)
- \$2.6B for Capital Investment Grants (+\$232M)
- \$1.5B for TIGER → Now BUILD (+\$1B)

Federal Update

Better Utilizing Investments to Leverage Development (BUILD) Transportation Discretionary Grants

- \$1.5B for BUILD
- Rural set aside of 30 percent
- Maintains \$25M maximum grant size
- No more than 10 percent awarded to a single state
- Up to \$15M for planning
- Notice of funding announced April 20, 2018; applications due July 19, 2018

Federal Update

Trump Administration Infrastructure Plan

Official plan released February 12, 2018

Principles:

- Stimulate Infrastructure Investment – \$200 billion in Federal funds to spur \$1.5 trillion in infrastructure investments
- Invest in rural America – \$50B for rural areas
- Increase State and local authority in permitting decisions
- Eliminate regulatory barriers
- Streamline permitting
- Strengthen and support America's workforce

Federal Update

One Federal Decision Executive Order

April 9, 2018 MOU implementing “One Agency, One Decision” permitting framework

- Recommended in Trump plan
- Establishes a cooperative relationship for environmental reviews
- Two-year goal
- Concurrent reviews

Federal Update

FY19 Appropriations

FHWA, FTA discussed proposed budget requests in April House Appropriations Subcommittee hearing

HR 5515 – FY19 National Defense Authorization

- May 9 Markup in House Armed Services Committee
- Proposes funding cuts to the Office of Economic Adjustment (OEA)
- OEA grants fund Joint Land Use Study implementation

Congress considering a \$15 billion rescissions package; \$279 million to DOT accounts, older unspent funds/earmarks

Texas Legislature

Recent Interim Committee Hearings

Senate Transportation

- April 24 on State and Federal funding to accelerate project delivery; UTP funding allocations and project selection; TxDOT Sunset bill implementation

House Transportation

- April 18 on new and existing transportation finance mechanisms; toll authority oversight

Texas Legislature

Upcoming Interim Committee Hearings

House Appropriations

- May 24 on TERP fund balance

Action Requested

Recommend for RTC Approval:

- Electric Vehicles – Send letter to Comptroller’s Office supporting work on transportation revenue impacts associated with electric vehicle use; support potential statutory updates
- LIRAP/LIP – Support the appropriation of the residual balance of previously collected LIRAP/LIP funds in the RTC Legislative Program
- Engage state officials by hosting a lunch/workshop for legislators or their staff on transportation issues
- Develop and share legislative position with local governments and other partner entities

Action Requested

Recommend for RTC Approval:

- Advance communications with the Federal Railroad Administration's Office; host a workshop to discuss federal transportation issues and project leveraging
- Approve support for the Department of Defense's Office of Economic Adjustment

Contact Information

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Rebekah Hernandez
Communications Supervisor
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(817) 704-2545

www.nctcog.org/legislative

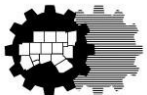
Mobility 2045 Update and Associated Transportation Conformity Analysis

Regional Transportation Council

May 10, 2018

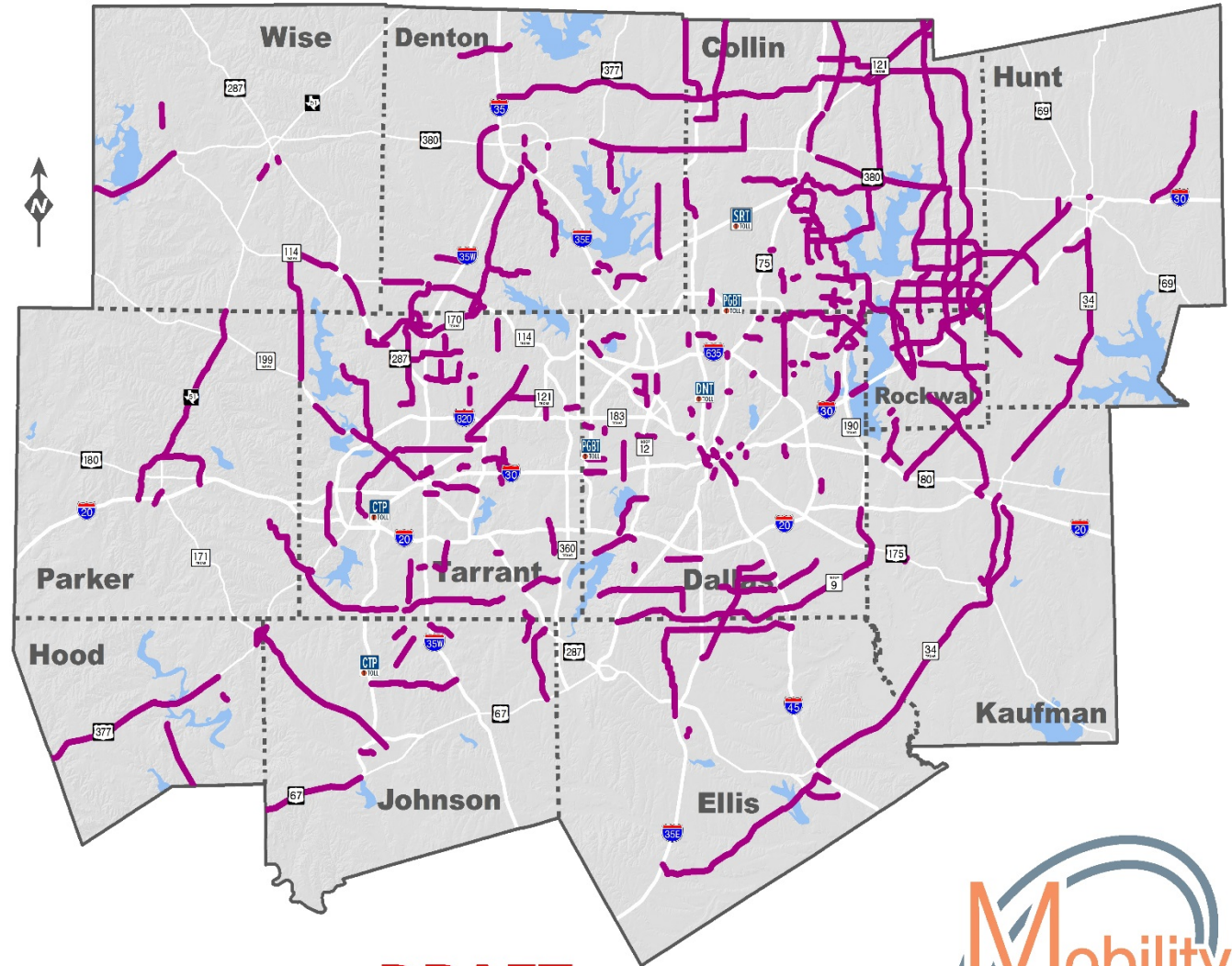
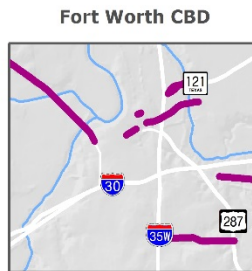
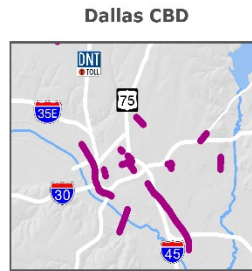


Mobility 2045 Update



Arterial Capacity Improvements

Disclaimer: Lines indicate arterials with funds for improvement.



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North Central Texas
Council of Governments

Facility recommendations indicate transportation need. Corridor-specific alignment, design, and operational characteristics will be determined through ongoing project development.

Major Roadway Recommendations

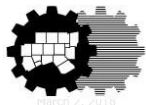
Draft Mobility 2045 Document
Project Recommendation Maps
Project Recommendation Tables

www.nctcog.org/mobility2045

Submit Mobility 2045 Comments by Email

mobilityplan@nctcog.org

DRAFT



Public Comment Topics

April 2018

Finish LBJ East ASAP with Managed Toll Lanes

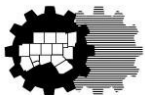
Complete Green Line Extension Sooner

Additional Bike/Ped Trails in SE Dallas County

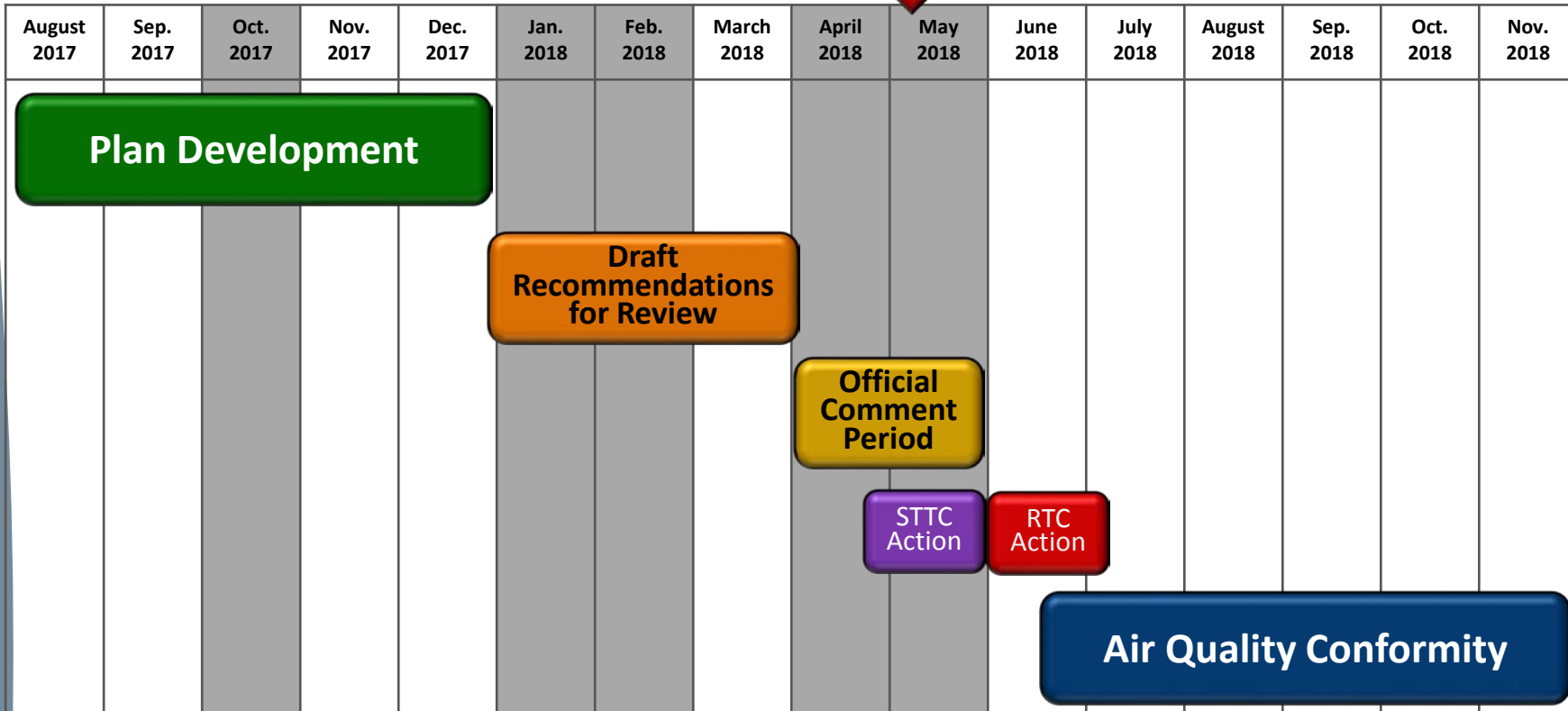
Build More Lanes During Initial Construction

Length of Time to Build Projects

How Do We Account for Ride Sharing in the Plan?

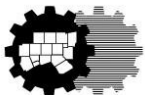


Mobility 2045 Schedule

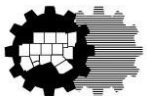


Notes:

- Public meetings held during highlighted months.
- Regional Transportation Council action on Mobility 2045 scheduled for June 14, 2018.

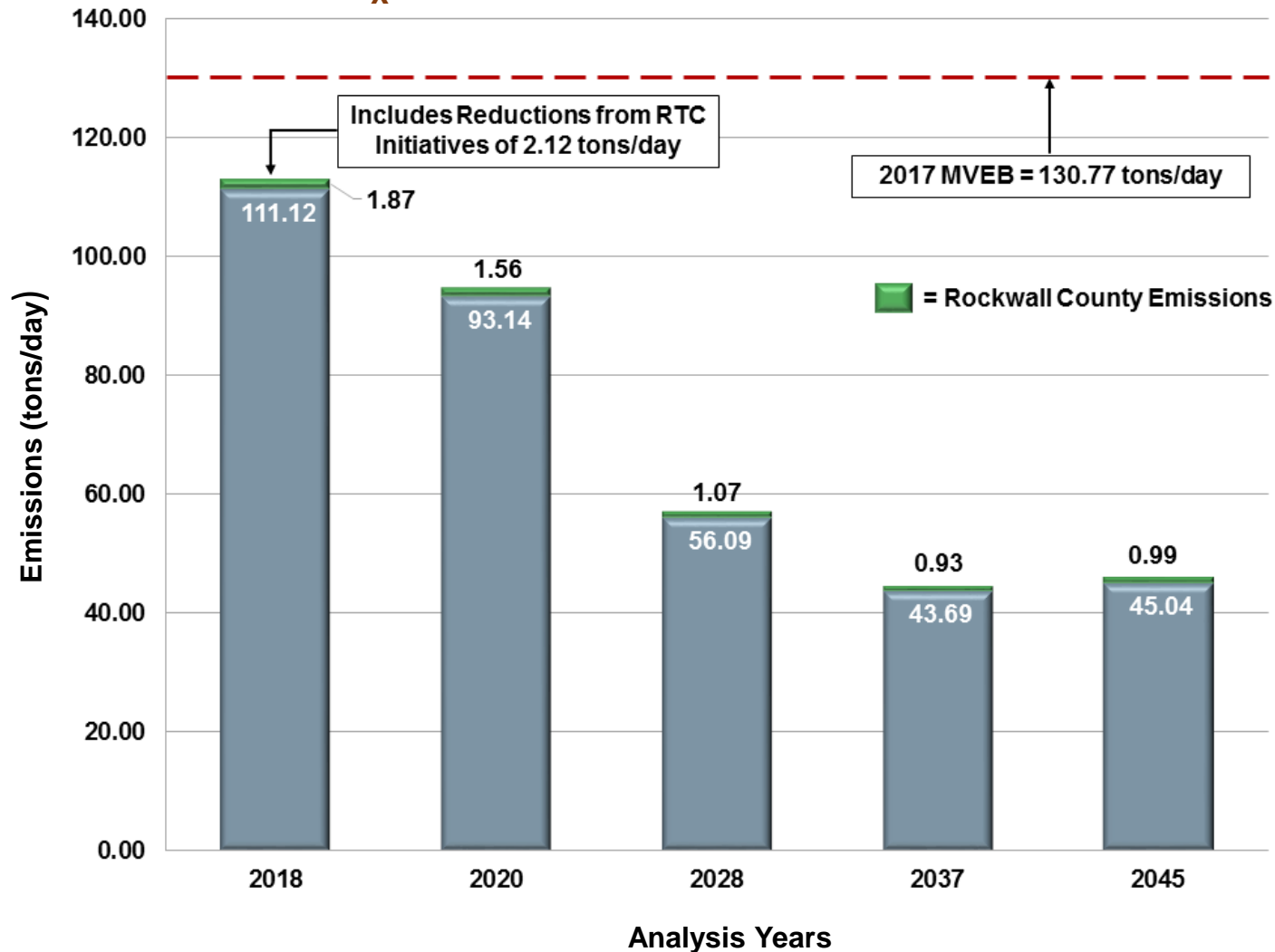


2018 Transportation Air Quality Conformity Analysis



2018 Transportation Air Quality Conformity Analysis: Results

Emissions of NO_x Results for 2008 and 2015 Nonattainment Areas

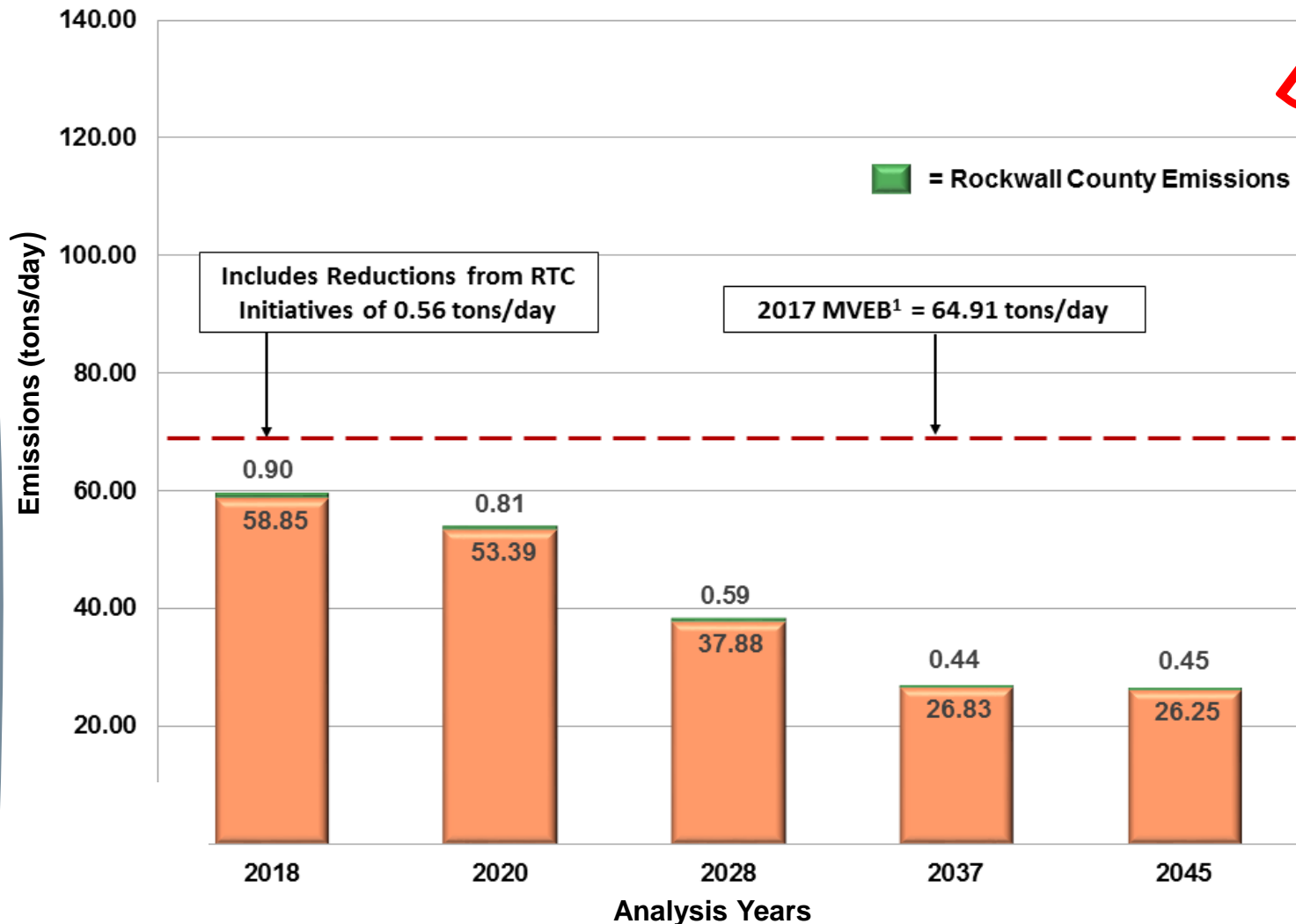


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2018 Transportation Air Quality Conformity Analysis: Results

Emissions of VOC Results for 2008 and 2015 Nonattainment Areas

DRAFT



Questions?

Mobility 2045

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Mobility 2045

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Transit

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Program Manager

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Air Quality

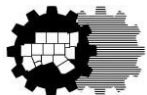
Jenny Narvaez

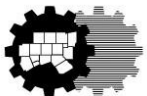
Principal Planner

jnarvaez@nctcog.org

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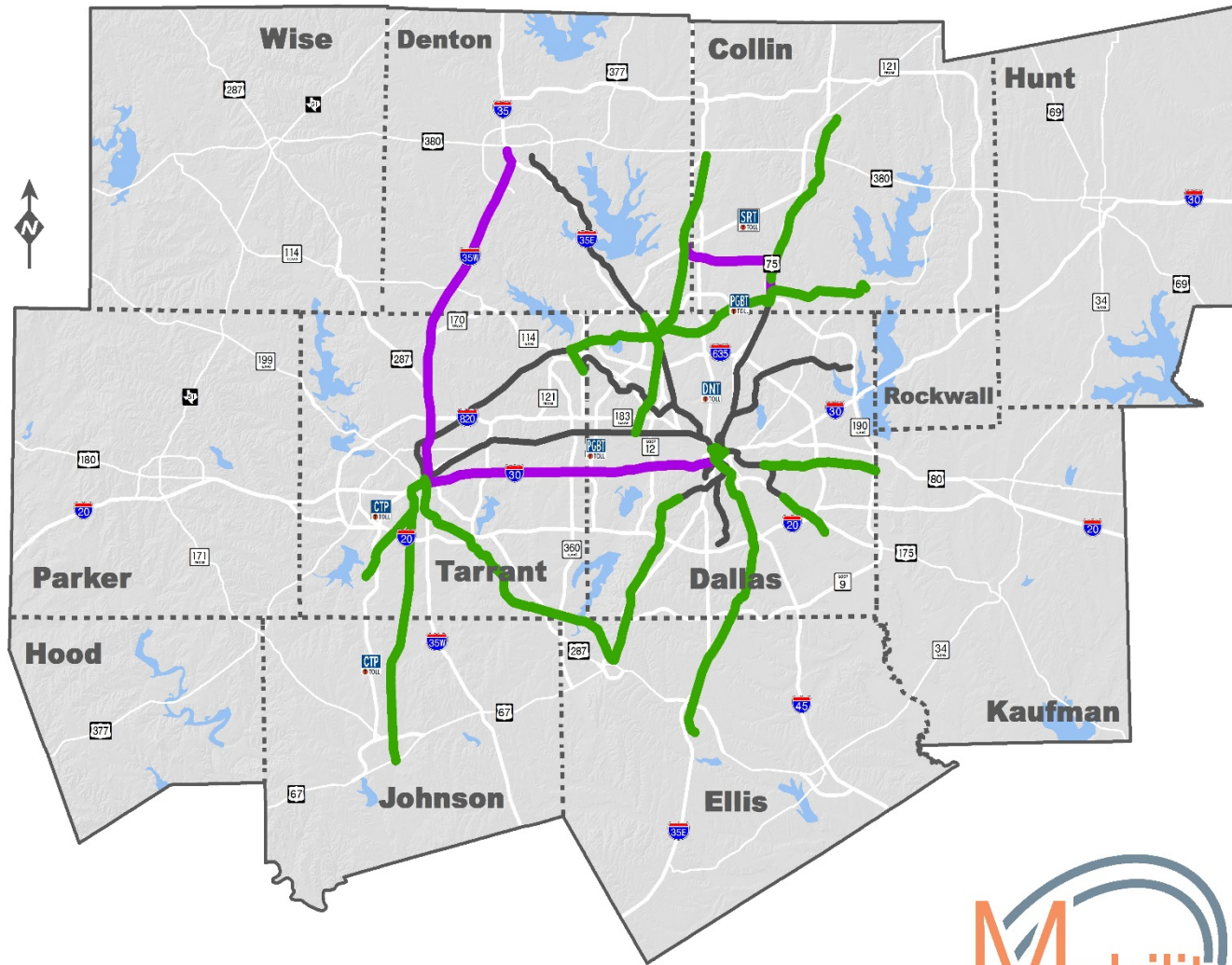
www.nctcog.org/mobility2045





Transit Corridor Recommendations

- Recommended Rail
- Existing Rail
- Recommended High-Intensity Bus



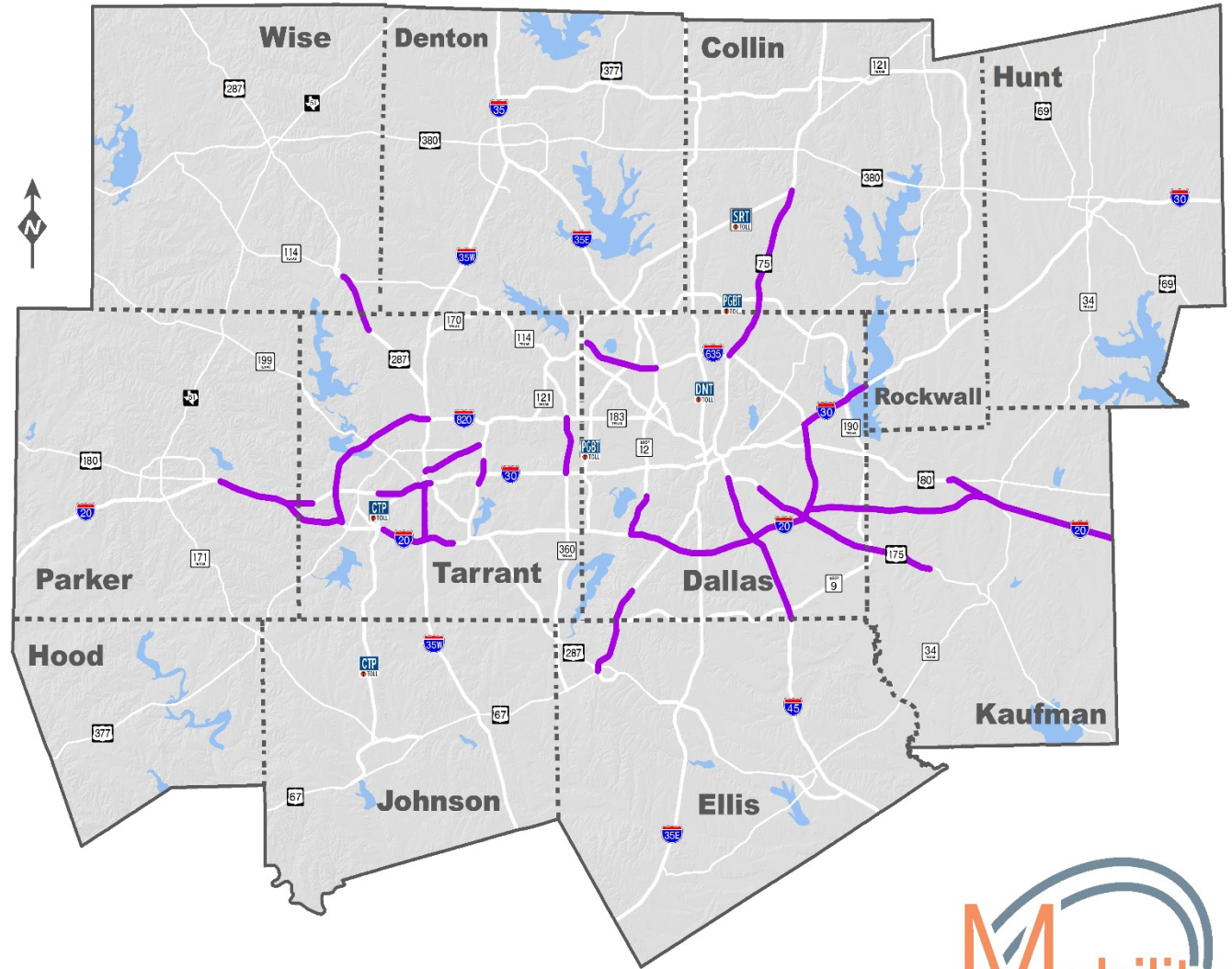
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North Central Texas
Council of Governments

Facility recommendations indicate transportation need. Corridor-specific alignment, design, and operational characteristics will be determined through ongoing project development.

Asset Optimization Recommendations





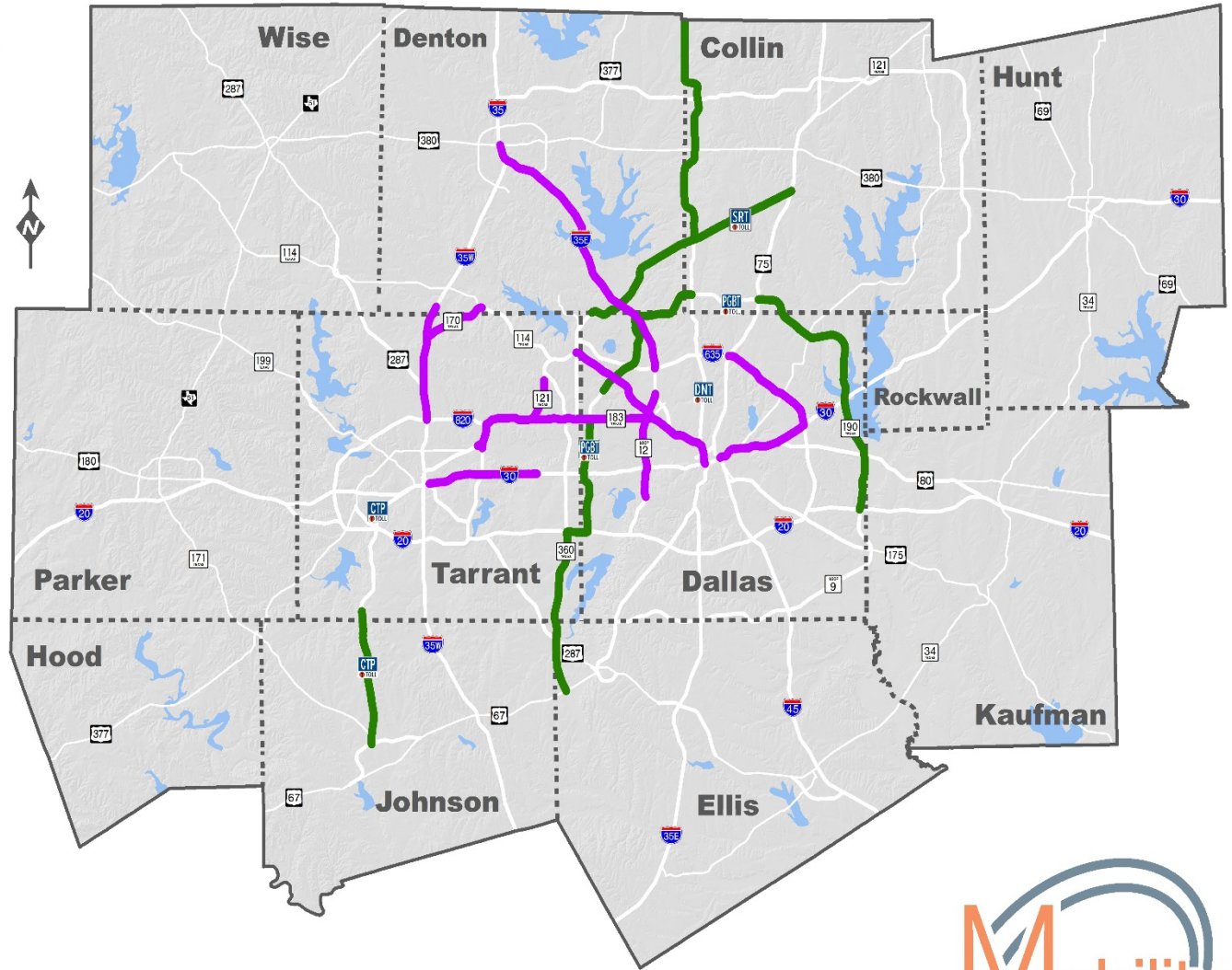
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Facility recommendations indicate transportation need. Corridor-specific alignment, design, and operational characteristics will be determined through ongoing project development.

Priced Facility Recommendations

-  New or Additional Managed Lane Capacity
-  New or Additional Toll Road Capacity





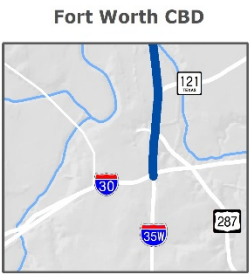
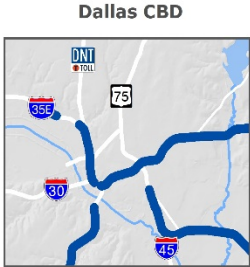
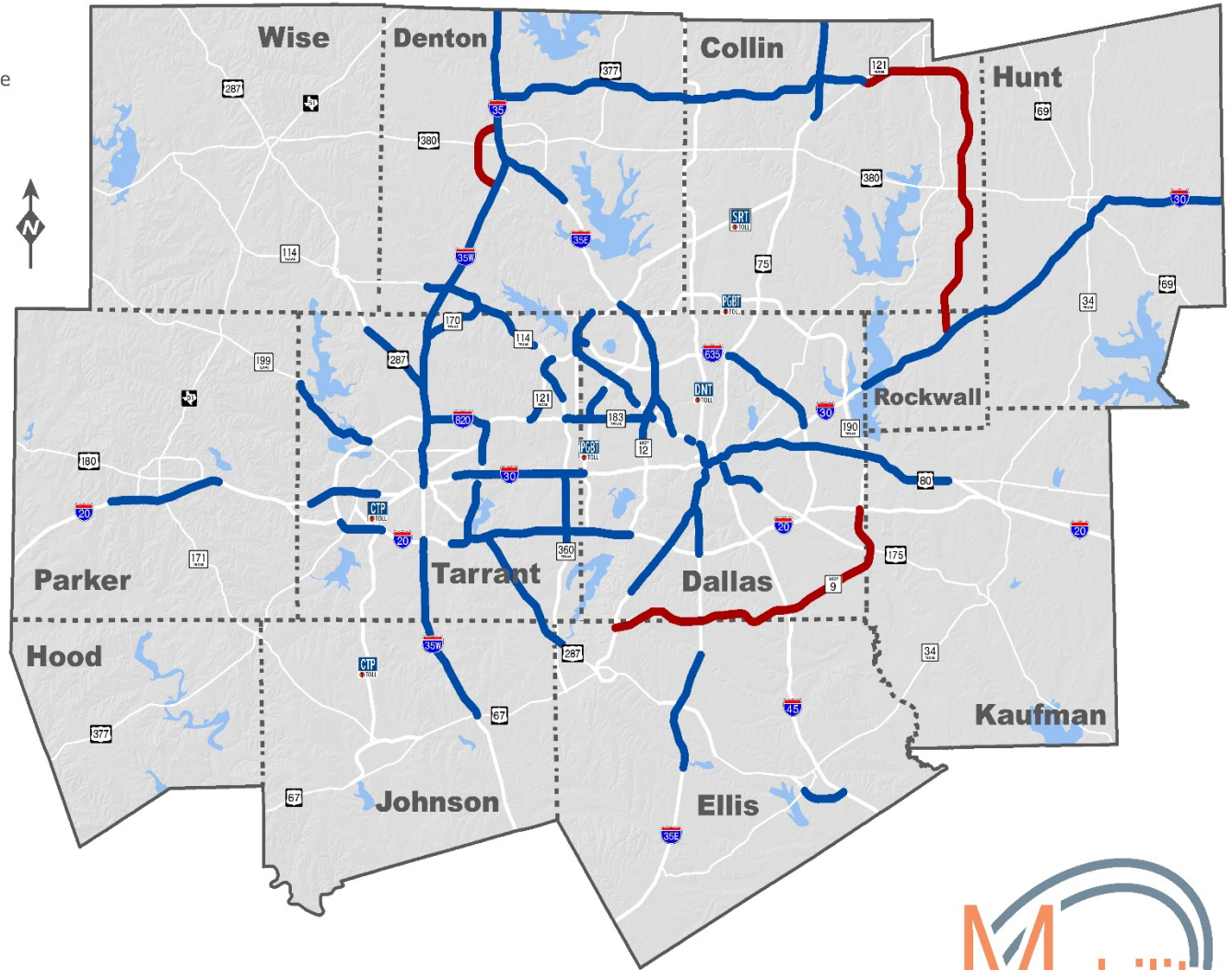
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Facility recommendations indicate transportation need. Corridor-specific alignment, design, and operational characteristics will be determined through ongoing project development.

Freeway Recommendations

-  New or Additional Freeway Capacity
-  Staged Facility (Frontage Roads)

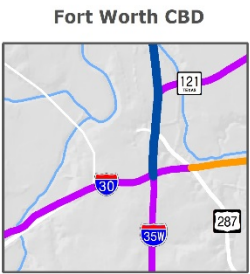
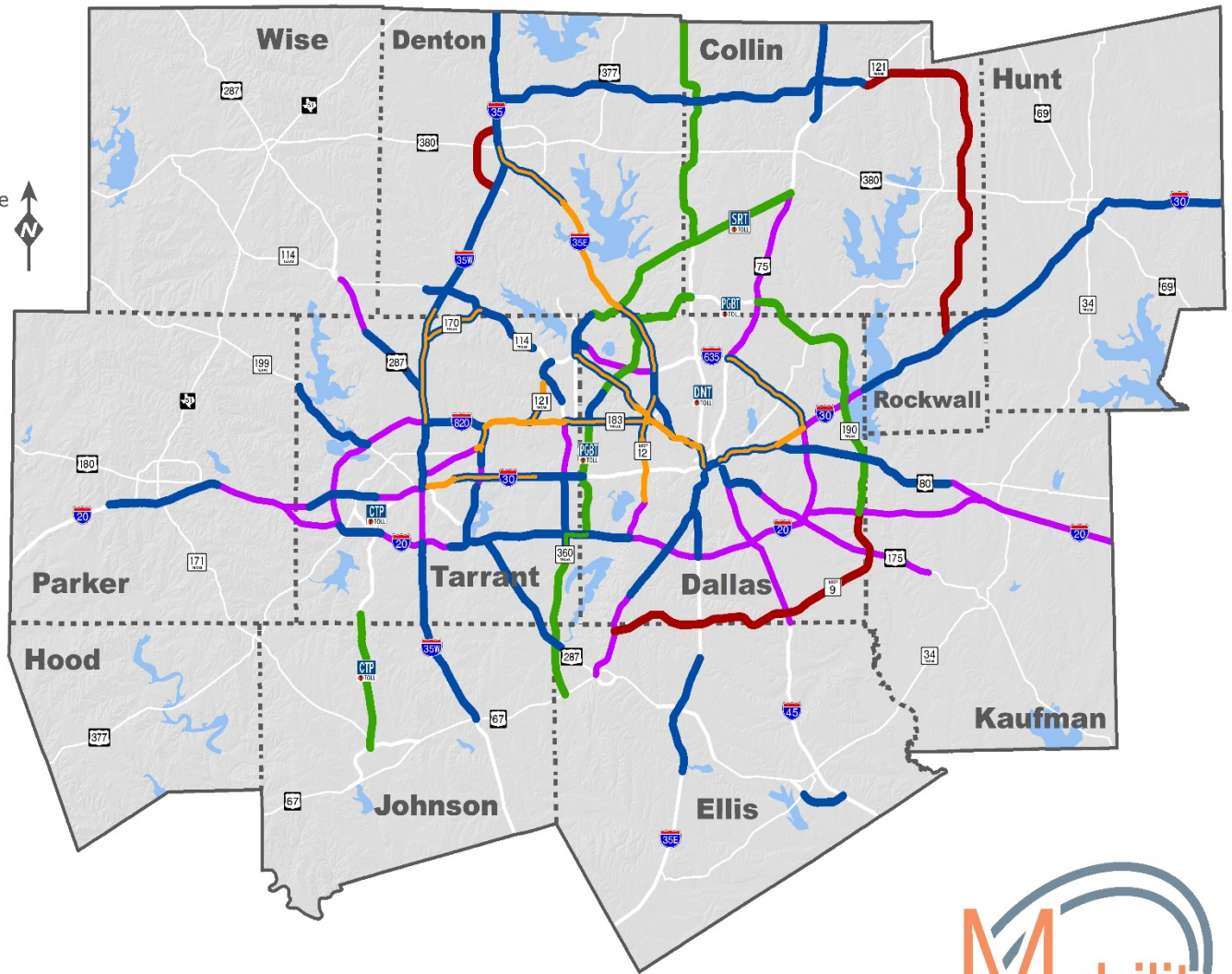


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Major Roadway Recommendations

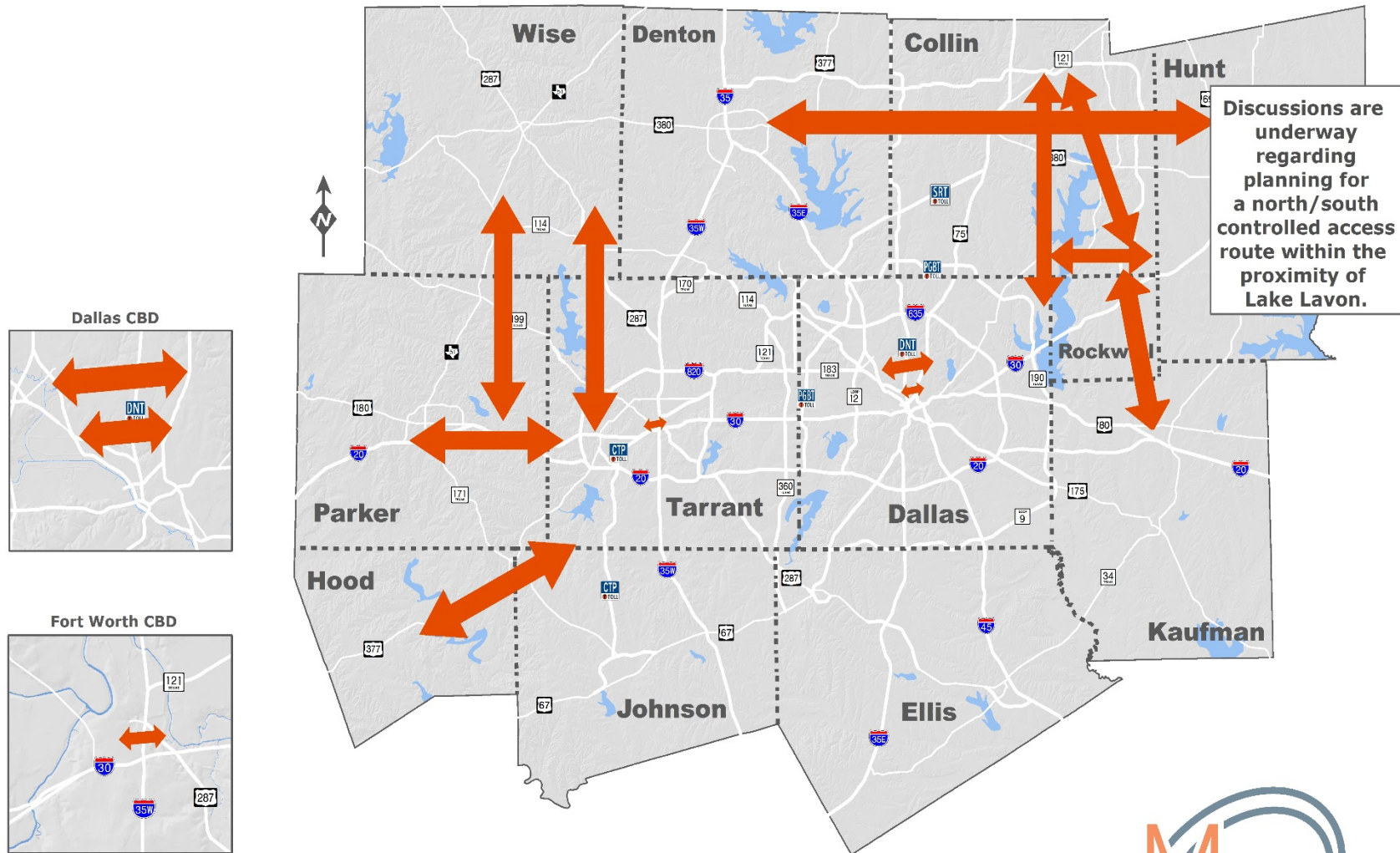
- New or Additional Freeway Capacity
- New or Additional Managed Lane Capacity
- New or Additional Toll Road Capacity
- Staged Facility (Frontage Roads)
- Asset Optimization



DRAFT



Roadway Corridors for Future Evaluation



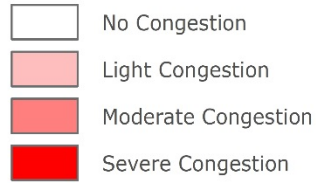
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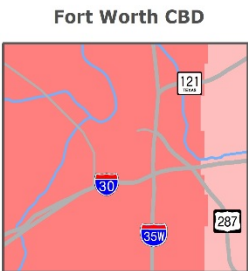
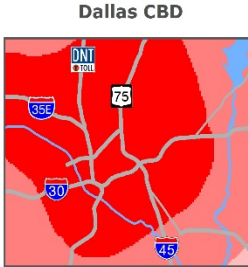
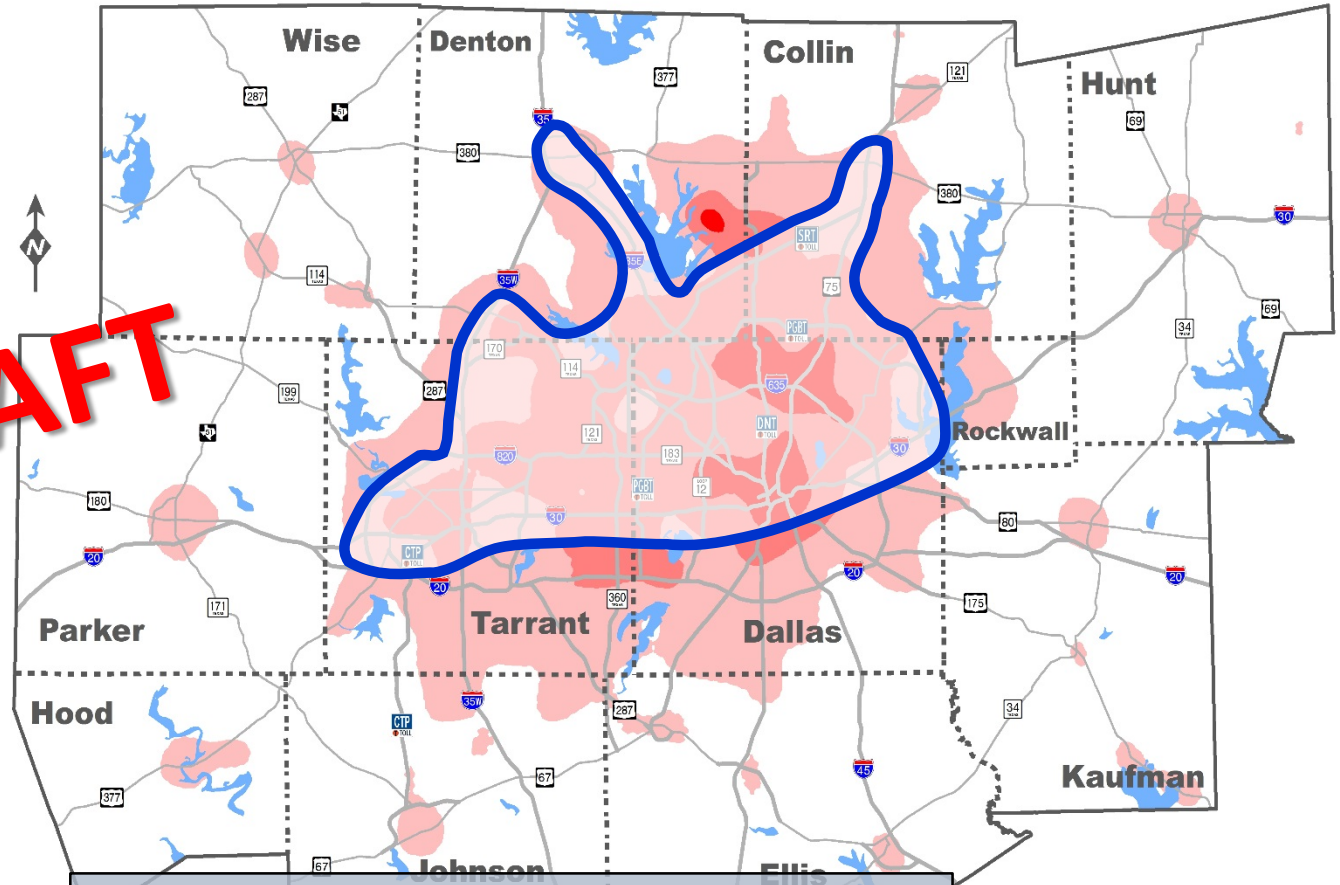
Roadway corridors for future evaluation indicate an identified transportation need and do not represent recommendations or specific alignments. Recommendations may be developed for future MTPs through feasibility analyses, thoroughfare plans, and environmental studies.

Toll Managed Lane System Policy Boundary

Congestion Index



DRAFT



Within Boundary – Year 2018
13% Land Area
79% Vehicle Hours of Congestion Delay

Cost of Congestion/Delay: \$11.9 billion

Congestion Index is based on a percent increase in travel time.



Mobility 2045 Prioritization and Expenditures

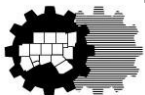
DRAFT

Maximize Existing System	Infrastructure Maintenance Maintain & Operate Existing Facilities Bridge Replacements	\$ 37.5
	Management and Operations Improve Efficiency & Remove Trips from System Traffic Signals and Bicycle & Pedestrian Improvements	\$ 9.5
	Growth, Development, and Land Use Strategies More Efficient Land Use & Transportation Balance	\$ 3.2
Strategic Infrastructure Investment	Rail and Bus Induce Switch to Transit	\$ 33.3
	HOV/Managed Lanes Increase Auto Occupancy	\$ 52.0
	Freeways/Tollways and Arterials Additional Roadway Capacity	

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

Total Expenditures*

\$ 135.4



Public Comment Topics

October 2017

Eminent Domain

No Lake Corridor Project in Collin County

January 2018

Funding

Hyperloop and Bullet Train

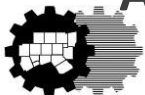
Backup Plan for Toll Road Funding

Arterial Needs Assessment

Draft Plan Available When?

Use Union Pacific Railroad (UPRR) from Fort Worth to Dallas
for Commuter Rail

Alternate Roads, Do Not Expand Other Modes



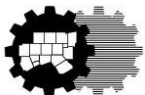
Public Comment Topics

February 2018

Policy Foundation for Mobility 2045

Transportation Assistance for South Dallas County

Transit Funding



Next Steps

Official Public Comment Period

Ends June 7

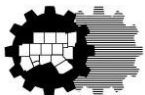
Revise Recommendations as Needed

Complete Final Document

Review and Action

STTC – May 25

RTC – June 14



2018 Transportation Air Quality Conformity Analysis: Overview

Reason:

- US DOT Transportation Conformity Determination Using New Budgets within Two Years of Motor Vehicle Emission Budgets Adequacy (Deadline November 23, 2018)
- US DOT Approval within One Year of Designations Effective Date Anticipated Deadline of July-August 2019)

Analysis Areas: 9 and 10-County Ozone Nonattainment Areas

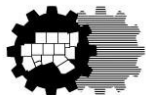
Analysis Years: 2018, 2020, 2028, 2037, and 2045

Latest Planning Assumptions: MOVES2014a Emissions Model
2014 Vehicle Registration
2016 Traffic Count Data
2012 Meteorological Data

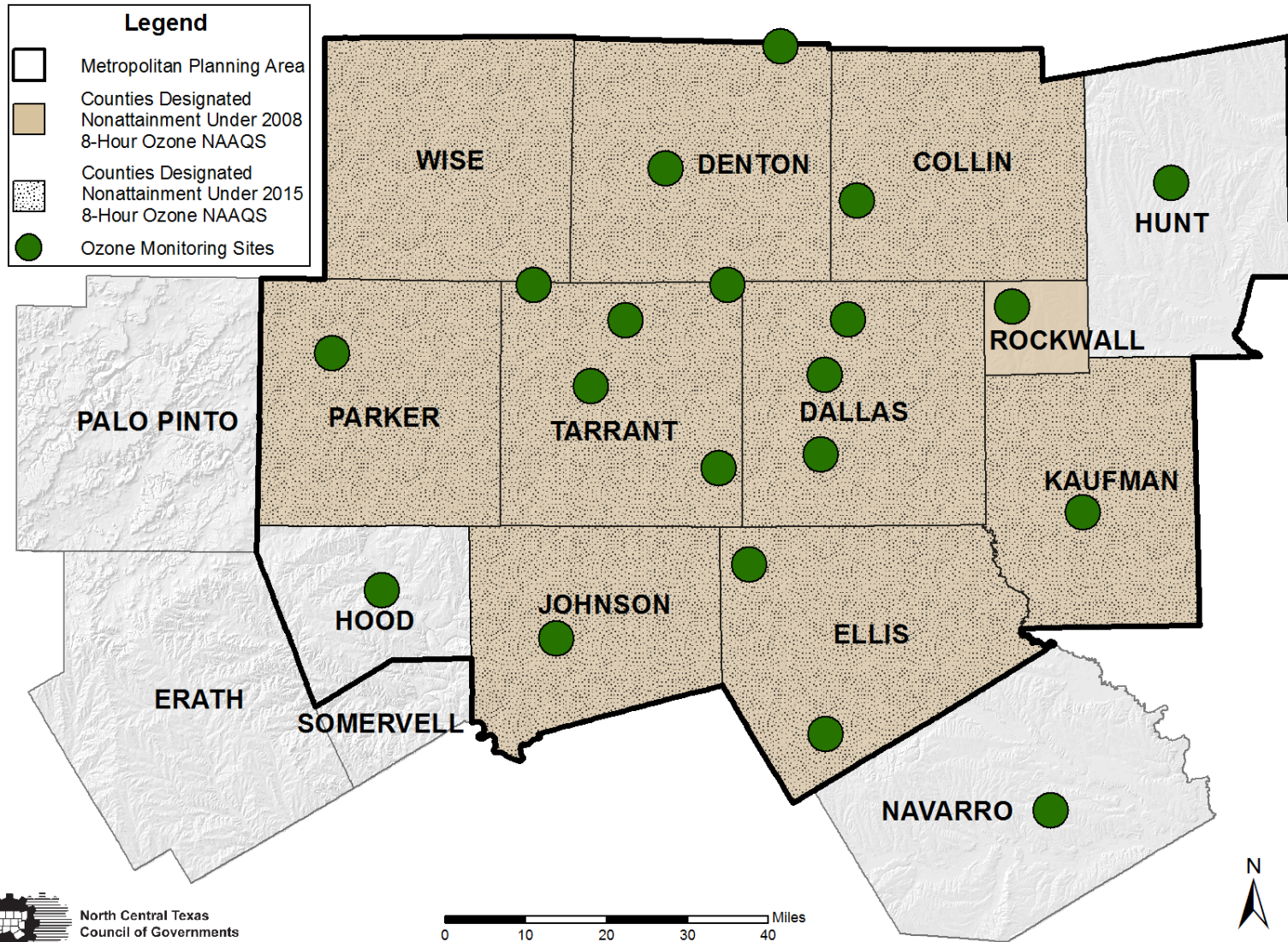
Motor Vehicle Emissions Budgets (MVEBs)

Nitrogen Oxides (NO_x) = 130.77 tons/day

Volatile Organic Compounds (VOC) = 64.91 tons/day



2008 and 2015 8-Hour Ozone Nonattainment Areas



AIR QUALITY UPDATE

Regional Transportation Council

May 10, 2018

**Chris Klaus
Senior Program Manager**

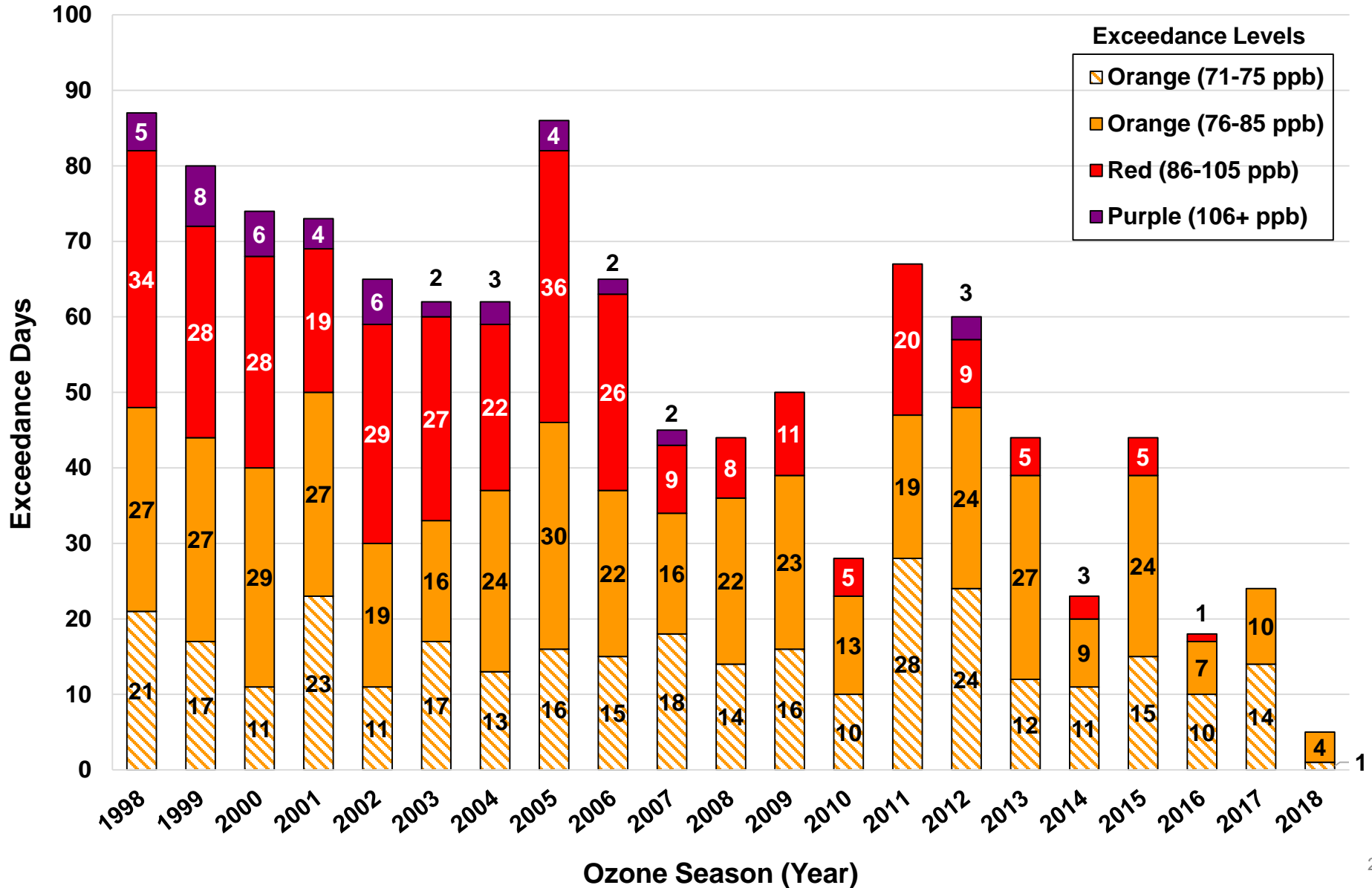


North Central Texas
Council of Governments



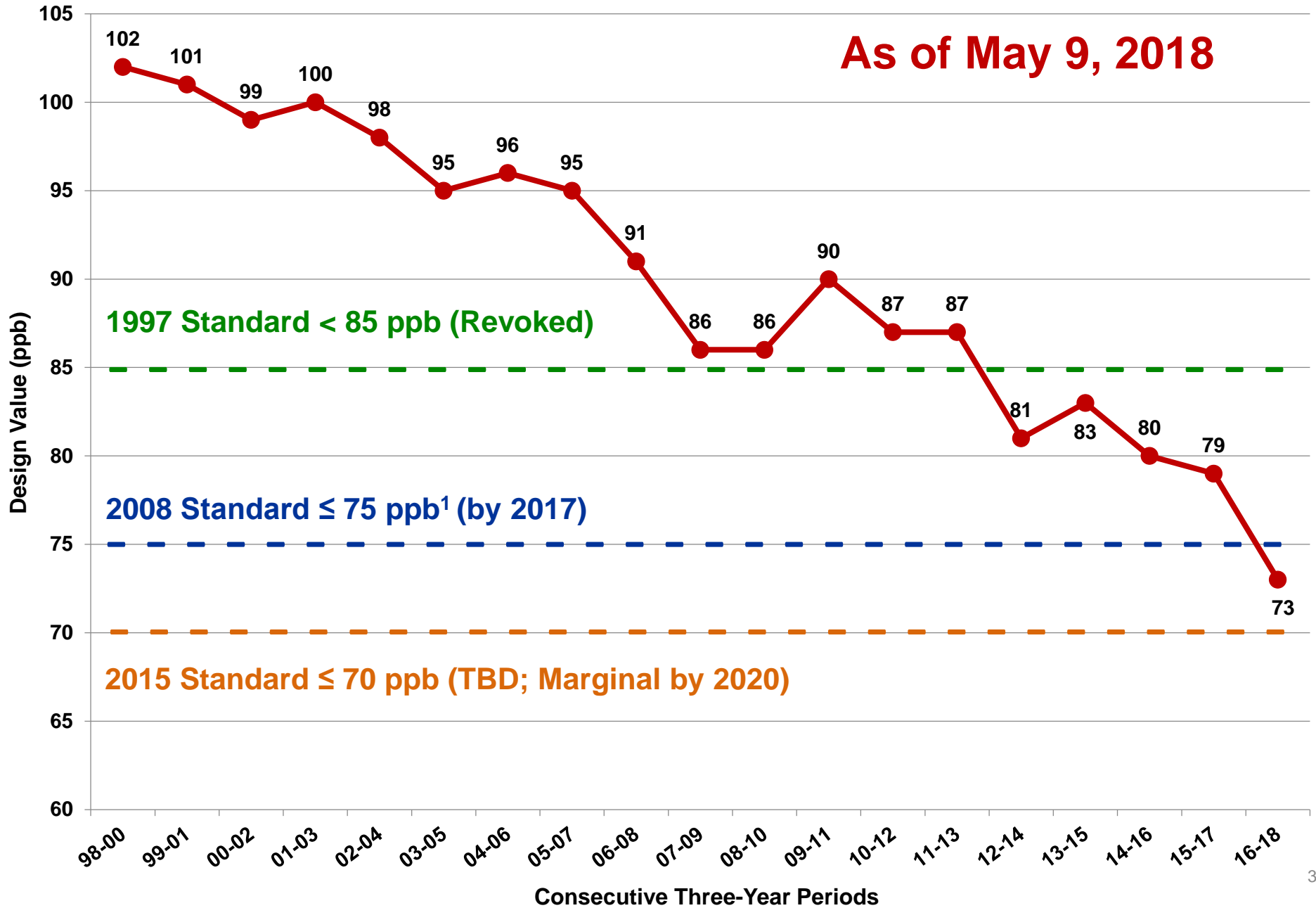
8-HOUR OZONE NAAQS HISTORICAL TRENDS

Based on ≤ 70 ppb (As of May 9, 2018)



8-HOUR OZONE NAAQS HISTORICAL TRENDS

As of May 9, 2018



AIR QUALITY HANDBOOK

North Central Texas Council of Governments

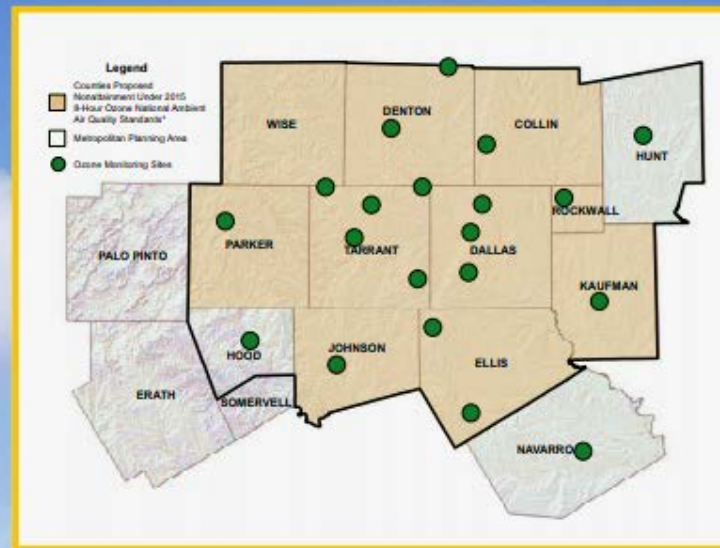
Air Quality

Handbook

Spring 2018

This Air Quality Handbook presents the current status of regional air quality and a summary of the work undertaken by the North Central Texas Council of Governments as the metropolitan planning organization and its partners to reduce air pollution and help the region meet federal air quality standards.

Exhibit 1: North Central Texas Nonattainment* Area and Ozone Monitoring Sites



8-HOUR OZONE NAAQS

1997 8-Hour Ozone NAAQS (85 ppb)

November 8, 2016

EPA issued Finding of Attainment for 9-County Region

2008 8-Hour Ozone NAAQS (75 ppb)

March 6, 2015

EPA Designated DFW 10-County Region as Moderate Nonattainment (Attainment Deadline: July 20, 2018)

2015 8-Hour Ozone NAAQS (70 ppb)

April 30, 2018

EPA signed Final Rule Classifying 9 Counties as Marginal Nonattainment (Collin, Dallas, Denton, Ellis, Johnson, Kaufman, Parker, Tarrant, and Wise)

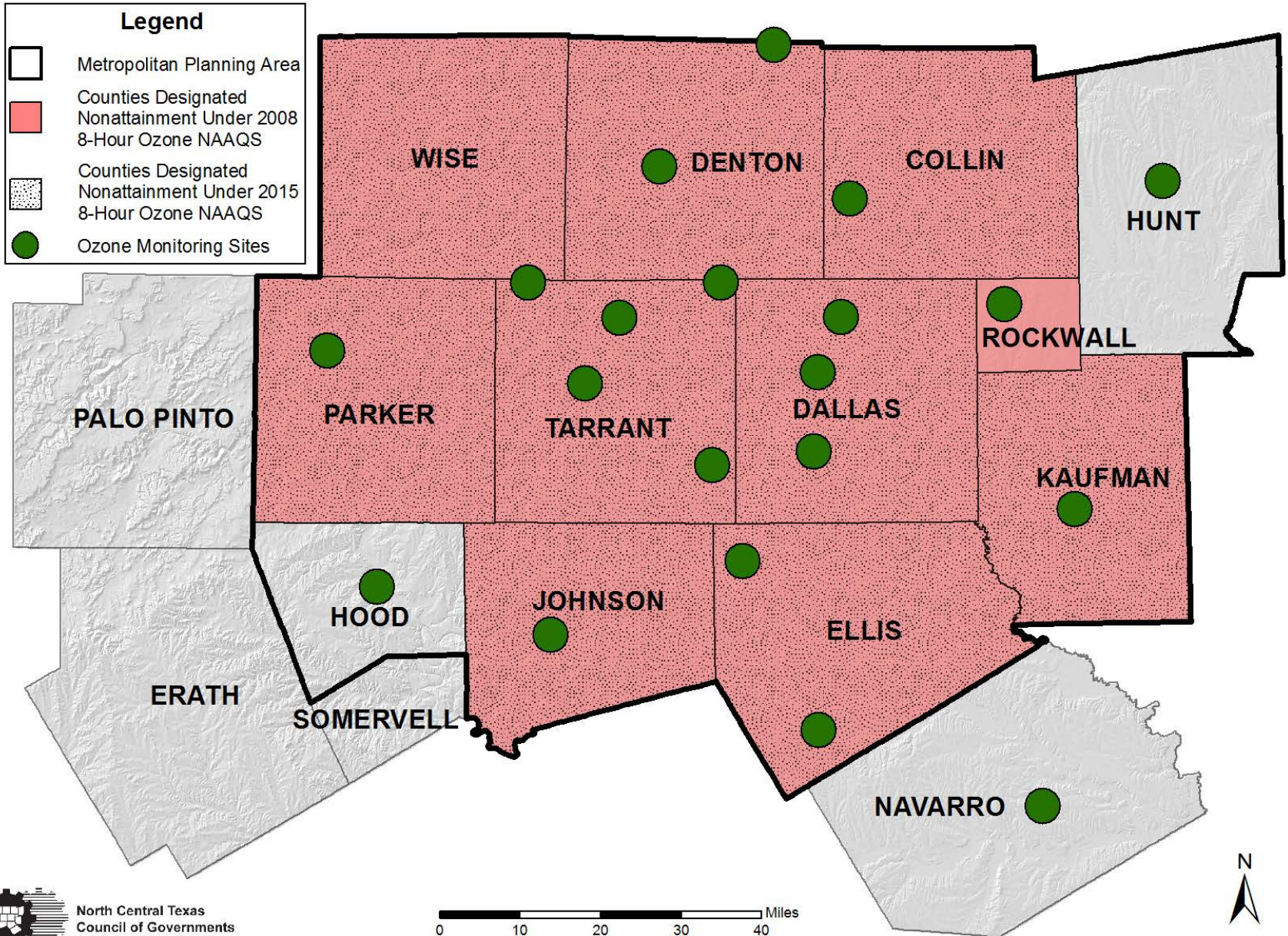
TBD

Classification Effective Date (Attainment Deadline: Summer 2021)

TBD

Implementation Rule (Revoke Previous Standards?)

2015 8-HOUR OZONE NAAQS DESIGNATIONS



D.C. CIRCUIT: SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT V. EPA

February 16, 2018

**D.C. Circuit partially vacated aspects of EPA's 2008
Ozone Standards Implementation Rule**

**Court unanimously ruled EPA unlawfully waived
statutory attainment deadlines associated with 1997
ozone NAAQS**

April 23, 2018

EPA seeks rehearing for:

**The Court's interpretation of anti-backsliding
requirements when EPA replaces an existing ozone
NAAQS with a more stringent standard**

**The Court's interpretation of transportation conformity
requirements after a NAAQS has been revoked in
maintenance areas**

**The Court's decision on vacating certain 2008 ozone
SIP Requirements Rule provisions**

CONTACTS

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<http://www.nctcog.org/trans/air/ozone/index.asp>

New Automated Vehicle Deployment in Region



**Regional Transportation Council
May 10, 2018**





Self-Driving Vehicle

drive.ai Self-Driving Vehicle



Why DFW?

Innovation

AV Legislation



Site Selection Criteria

1. Innovation track record
2. Infrastructure condition
3. Departments work together
4. Speed
5. Public/private partnerships

Today: Rides to 4:30 p.m.;
panel discussion @4:30 p.m.
Tomorrow: Rides 11:00 a.m.
to 2:00 p.m.

3201

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