2017-2018 CMAQ/STBG* FUNDING: SAFETY, INNOVATIVE CONSTRUCTION, AND EMERGENCY PROJECTS
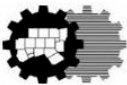
Surface Transportation Technical Committee

March 23, 2018

*Congestion Mitigation and Air Quality Improvement Program/ Surface Transportation Block Grant

North Central Texas Council of Governments
Transportation Department

CMAQ/STBG FUNDING PROGRAMS

STATUS	PROGRAM
☑	Federal/Local Funding Exchanges
☑	Automated Vehicle Program (May bring back a Round 2 effort)
☑	Strategic Partnerships (May bring back a Round 2 effort)
☑	Planning and Other Studies
■	10-Year Plan/Proposition 1 Adjustments
☑	Sustainable Development Phase 4: Turnback Program, Context Sensitive, Transit Oriented Development (TOD) Projects
☑	Transit Program
☐	Assessment Policy Programs/Projects
☑	Local Bond Program Partnerships
■	**Safety, Innovative Construction, and Emergency Projects**
☐	Management and Operations (M&O), NCTCOG-Implemented, and Regional/Air Quality Programs

☑ = Project Selection Completed
■ = Pending STTC/RTC Approval
■ = Program Partially Completed

SAFETY, INNOVATIVE CONSTRUCTION, AND EMERGENCY PROJECTS

Description/ Purpose	To support operations, safety, innovative construction, and emergency improvements.
Initial Requests	• Wycliff Avenue Flooding Project • Shady Shores Bridges

SELECTION CRITERIA

- When evaluating projects, the following criteria were taken into account by staff:
  - Project addresses a safety issue (pedestrian safety at risk, history of vehicle crashes, etc.)
  - Project involves an innovative construction element (e.g., modular bridges)
  - Project addresses an emergency situation
    - Flooding issues that affect system resilience
  - Project includes incident management/first responder safety benefits
  - Projects that implement recommendations from regional safety plan

PROPOSED FUNDING BY AGENCY

DRAFT

PROJECT/PROGRAM	AGENCY	PROPOSED RTC FUNDING
Regional Safety Program – Wrong Way Driving Prevention (Phase 2) and the New Safety Performance Measure	NCTCOG	$15,000,000
South Shady Shores Road	Denton County, City of Lake Dallas, or Town of Shady Shores	$10,000,000
Wycliff Avenue	Town of Highland Park	$5,600,000
IH 30 Managed Lane Access Gates	TxDOT Dallas	$1,200,000
Meacham Airport Improvements	City of Fort Worth	$416,800
	Total	**$32,216,800**

TIMELINE

MEETING/TASK	DATE
STTC Information	February 23, 2018
RTC Information	March 8, 2018
Public Involvement (Online Opportunity to be held in place of meetings)	March 2018
STTC Action	**March 23, 2018**
RTC Action	April 12, 2018

REQUESTED ACTION

- Recommend RTC approval of:
  - The proposed list of projects to fund through the 2017-2018 CMAQ/STBG: Safety, Innovative Construction, and Emergency Projects Program (Electronic Item 3.1)
  - Administratively amending the 2019-2022 Transportation Improvement Program (TIP)/Statewide Transportation Improvement Program (STIP) and other planning/administrative documents to incorporate these changes.

QUESTIONS?

Adam Beckom, AICP

Principal Transportation Planner

817-608-2344

abeckom@nctcog.org

Christie J. Gotti

Senior Program Manager

817-608-2338

cgotti@nctcog.org

Brian Dell

Transportation Planner III

817-704-5694

bdell@nctcog.org

REGIONAL TRAFFIC SIGNAL RETIMING PROGRAM AND MINOR IMPROVEMENT PROGRAM

Call for Projects Recommendations

Surface Transportation Technical Committee

Marian Thompson, P.E.

March 23, 2018

North Central Texas
Council of Governments

Programs Overview

What are these Programs?

The **Regional Traffic Signal Retiming Program (RTSRP)** is a regional program to maximize the capacity of the existing roadway system by improving traffic operations through signal retiming.

The **Minor Improvement Program** improves the capacity of the existing roadway system by implementing low-cost operational improvements, thereby enhancing mobility and improving air quality.

North Central Texas Council of Governments

Project Eligibility

2017
Call for Projects
RTSRP

- Eighty Percent of Traffic Signals Have Not Been Retimed Since 2013

- Eighty Percent of Traffic Signals Located Along Route of Significance

- Eight or More Consecutive Traffic Signals

- No Construction Planned Within Two Years

- Staff Time is Not Eligible

North Central Texas Council of Governments

3

Project Eligibility

2017
Call for Projects
Minor Improvements

- Projects Along Route of Significance

- No Construction Planned Within Two Years

- Project Funding Request Not to Exceed $50,000

- Low-cost Improvements such as Cabinets, Controllers, Restriping, etc.

- Staff Time is Not Eligible

North Central Texas
Council of Governments

Congestion Mitigation and Air Quality Improvement Program Funding

Local Match

Regional Traffic Signal Retiming Program	Minor Improvement Program
$2 Million	**$2.9 million**

- Twenty Percent (Minimum) Local Match
- Local Match Must be Cash
- Sixty-six Percent Eastern Sub-Region and Thirty-four Percent Western Sub-Region

North Central Texas Council of Governments

Evaluation and Scoring Criteria for **RTSRP** Projects

Category	Scoring (pts)	Description
Mobility Benefit/Cost Ratio	35	Project benefit/cost ratio will be calculated based on the improvements associated with basic traffic signal program input.
NOx & VOC Cost Per Pound	35	Air quality benefits will be calculated based on the improvements associated with basic traffic signal retiming improvements.
Communication	10	Communication technology that keeps traffic signals in sync.
Environmental Justice Distribution	5	Environmental justice methodology used to map concentrations of EJ populations using demographic data.
Multi-Modal Operations	5	Projects supporting multimodal operations including high truck volume corridors (four percent or greater) and/or located at or near transit facilities/routes.
Multi-Jurisdictional Corridor	5	Corridors passing through more than one agency's jurisdictional boundary.
Data Cloud	5	Provide traffic signal data to the cloud.

Evaluation and Scoring Criteria for **Minor Improvement** Projects

Category	Scoring (pts)	Description
Mobility Benefit/Cost Ratio	35	Project benefit/cost ratio will be calculated based on improvements associated with basic traffic signal program input.
NOx & VOC Cost Per Pound	35	Air quality benefits will be calculated based on the improvements associated with basic traffic signal retiming improvements.
Recommended improvements	20	Recommended improvements from previous RTSRP phases by consultants.
Additional Local Match	5	Agency willing to contribute more than twenty percent local match.
Environmental Justice Distribution	5	Environmental justice methodology used to map concentrations of EJ populations using demographic data.

RTSRP and Minor Improvement Proposals Received

Program	No. of Projects	Western Region (Fort Worth District)	Eastern Region (Dallas District)	Total Funds
RTSRP	60	$ 2,156,000	$ 4,104,800	$ 6,260,800
Minor Improvement Program	114	$ 1,127,500	$ 3,034,100	$ 4,161,600

RTSRP Projects Recommendations (Eastern Sub-Region)

#	Agency	Project Name	On-System	Off-System	Total Signals
1	Dallas	Midway/Frankford	0	21	21
2	Garland	SW Garland Group	4	21	25
3	TxDOT Dallas	FM 544	13	0	13
4	Garland	NW Garland Group	21	57	78
5	Dallas	Greenville	2	13	15
6	Carrollton/Coppell	Belt Line Road	2	18	20
7	TxDOT Dallas	SH 78	11	0	11
8	Dallas	LBJ	17	0	17
9	Richardson	Arapaho Rd	2	19	21
10	Richardson	Renner Rd	14	21	35
11	Richardson	Spring Valley Rd	2	15	17
12	Dallas	Forest/Abrams	4	14	18
13	Dallas	Webb Chapel	2	6	8
14	Dallas	Walnut Hill	5	22	27
		Total	**99**	**227**	**326**

RTSRP Projects Recommendations (Western Sub-Region)

#	Agency	Project Name	On-System	Off-System	Total Signals
1	Arlington	Pioneer Parkway	20	0	20
2	Arlington	S Cooper St	30	1	31
3	Arlington	S Collins St	17	8	25
4	TxDOT Fort Worth	Southlake Boulevard	15	0	15
5	TxDOT Fort Worth	US 377	11	0	11
6	Keller	Keller Parkway	8	0	8
7	TxDOT Fort Worth	SH 174	11	0	11
8	TxDOT Fort Worth	SH 199	19	0	19
9	TxDOT Fort Worth	US 377	13	0	13
		Total	**144**	**9**	**153**

Minor Improvement Projects Recommendations by Agency (Eastern Sub-Region)

#	Agency	Project Type	# of Projects	Total Amount
1	City of Allen	Communication System	1	$50,000
2	City of Carrollton	Detection	1	$50,000
3	City of Dallas	Detection	20	$860,000
4	City of Garland	Detection	1	$17,200
5	City of McKinney	Controllers	1	$50,000
6	City of Richardson	Detection	10	$480,000
		Total	**34**	**$1,507,200**

Minor Improvement Projects Recommendations by Agency (Western Sub-Region)

#	Agency	Project Type	# of Projects	Amount
1	City of Arlington	Controllers, Detection	3	$150,000
2	City of Fort Worth	Controllers, Cabinets, Communication	9	$350,000
3	City of Keller	Communication System	1	$50,000
4	City of Mansfield	Flashing Yellow Arrows, Detection	5	$37,500
5	TxDOT Fort Worth	Controller Upgrades	7	$166,500
		Total	**26**	**$754,000**

Proposed Schedule

Description	Meeting	Date
Information - Corridor Selection Criteria	STTC	July 28, 2017
Information - Corridor Selection Criteria	RTC	August 10, 2017
Action - Approval of Selection Criteria	STTC	August 25, 2017
Action - Approval of Selection Criteria	RTC	September 14, 2017
NCTCOG Call for Projects		September 15, 2017
Proposals Due		October 13, 2017 5:00pm
Scoring by NCTCOG		November 15, 2017
Public Meetings		October 10, 11,16 2017
Information - Projects Selected	STTC	January 26, 2018
Information - Projects Selected	RTC	February 8, 2018
Action - Projects Selected	**STTC**	**March 23, 2018**
Action - Projects Selected	RTC	April 12, 2018

STTC Action

Recommend Surface Transportation Technical Committee Approval of the:

- 2017 Regional Traffic Signal Retiming Program and Minor Improvement Program Call for Projects as Provided in Electron Items 4.1 and 4.2
- Ability to Administratively Amend the TIP/STIP, UPWP and Any Other Documents as Appropriate to Include All Projects in the Region
- If Projects Above the Line do Not Move Forward, Allow Staff to Continue to Next Project on the List

**North Central Texas
Council of Governments**

Questions?

Contact Information

Natalie Bettger
Senior Program Manager
nbettger@nctcog.org
817-695-9280

Marian Thompson. P.E.
Transportation System
Operations Supervisor
mthompson@nctcog.org
817-608-2336

Gregory Masota
Transportation Planner
gmasota@nctcog.org
817-695-9264

**North Central Texas
Council of Governments**
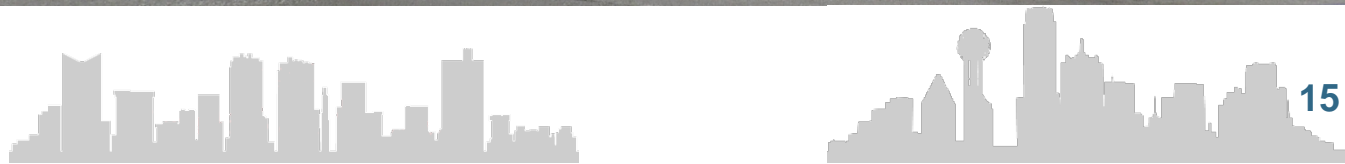
Mobility 2045 Update: Endorsement of RTC Action

Surface Transportation Technical Committee

March 23, 2018

Topics

1. Draft Financial Plan
2. Draft Project Recommendations
3. RTC Concerns
4. Selected Recommended Policies
5. Public Meeting Comments
6. Public Meeting Schedule
7. Schedule and Next Steps
8. Requested Action
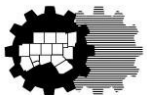
Mobility 2045 Prioritization and Expenditures

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**

Mobility 2045

3

Major Roadway Recommendations

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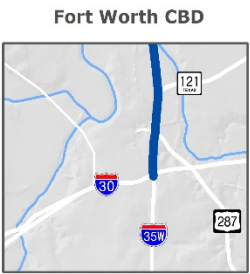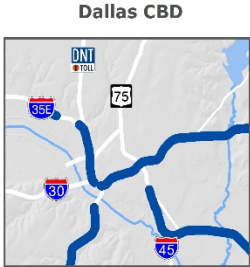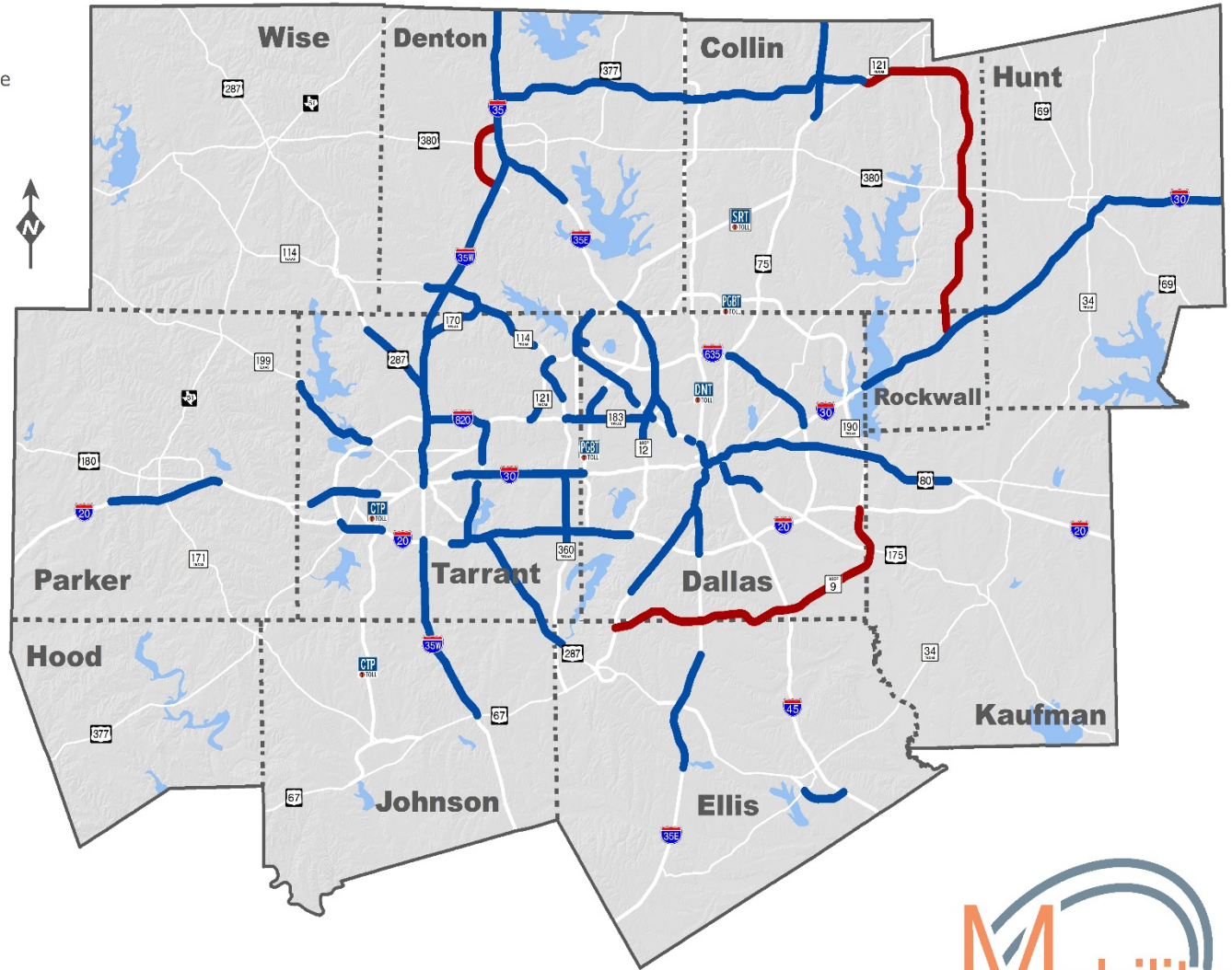
Dallas CBD

Fort Worth CBD

DRAFT

Mobility 2045
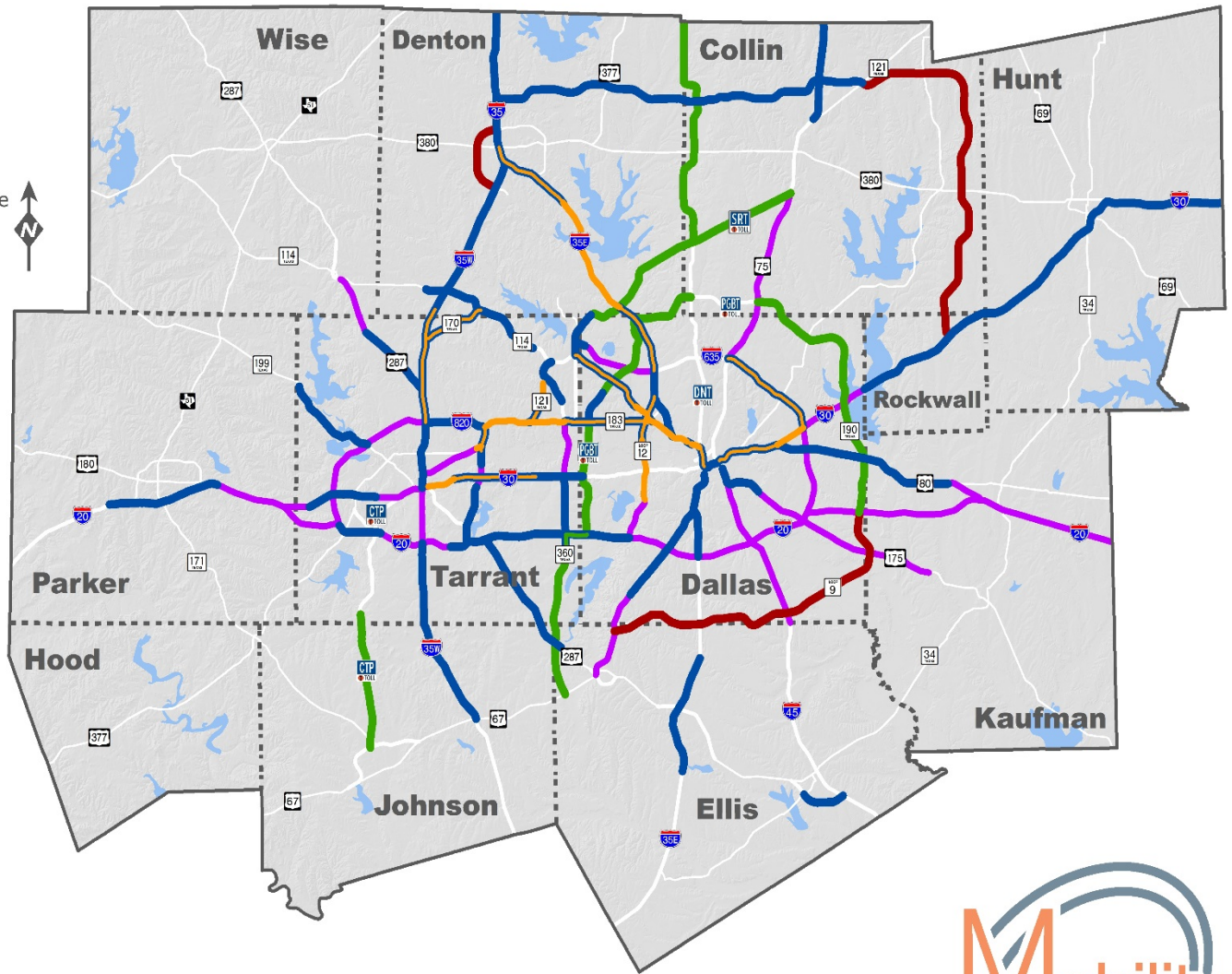
Facility recommendations indicate transportation need. Corridor-specific alignment, design, and operational characteristics will be determined through ongoing project development.

Asset Optimization Recommendations

DRAST

North Central Texas Council of Governments

March 2, 2018
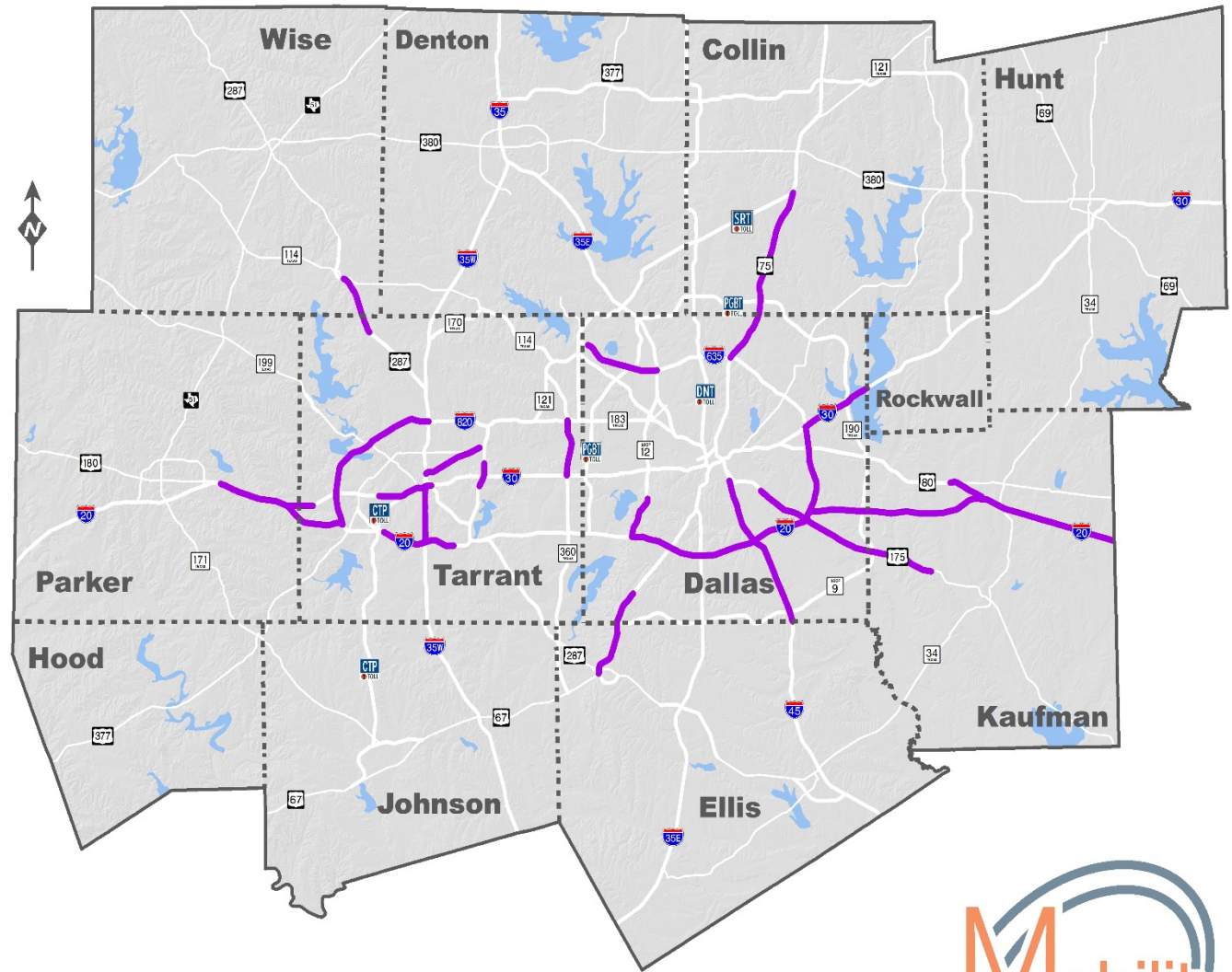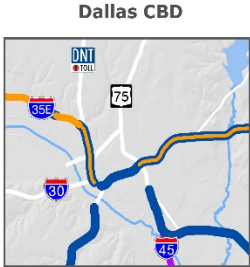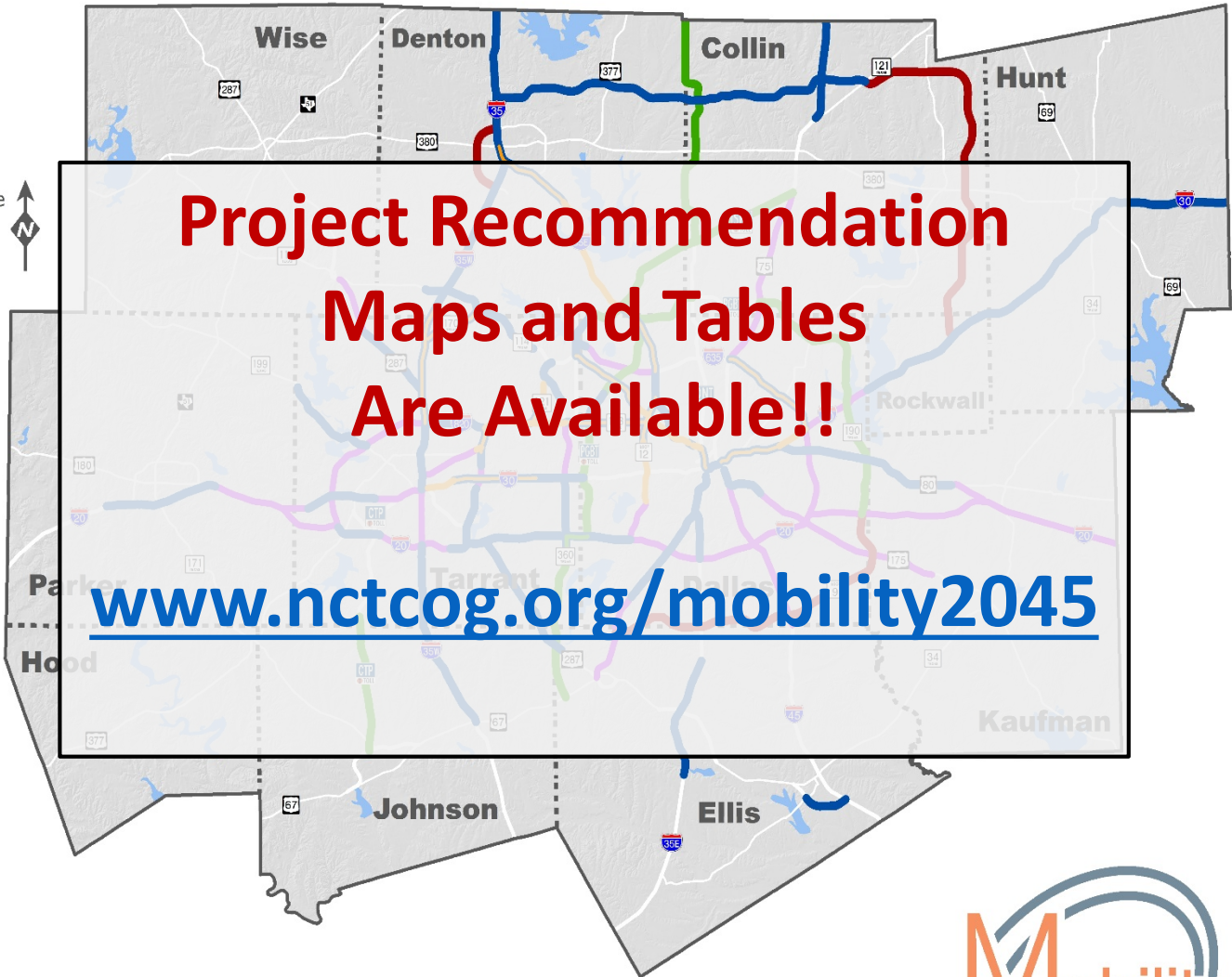
Facility recommendations indicate transportation need. Corridor-specific alignment, design, and operational characteristics will be determined through ongoing project development.

Arterial Capacity Improvements

Disclaimer: Lines indicate arterials with funds for improvement.
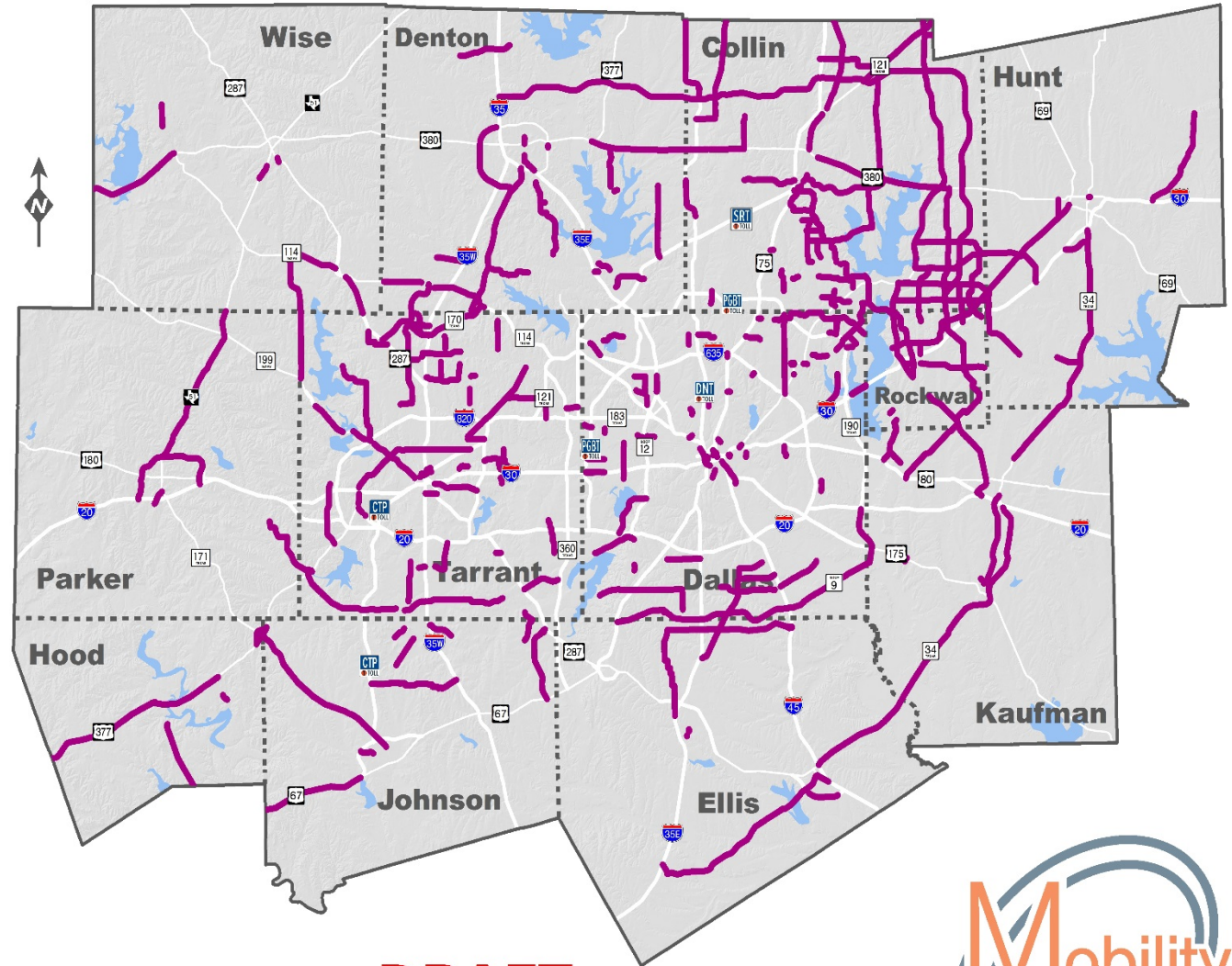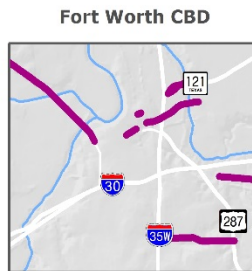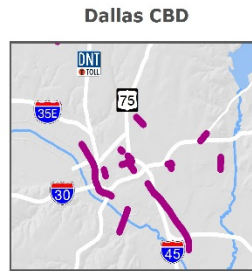
Dallas CBD

Fort Worth CBD

DRAFT

North Central Texas Council of Governments

March 5, 2018

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

Mobility 2045

6

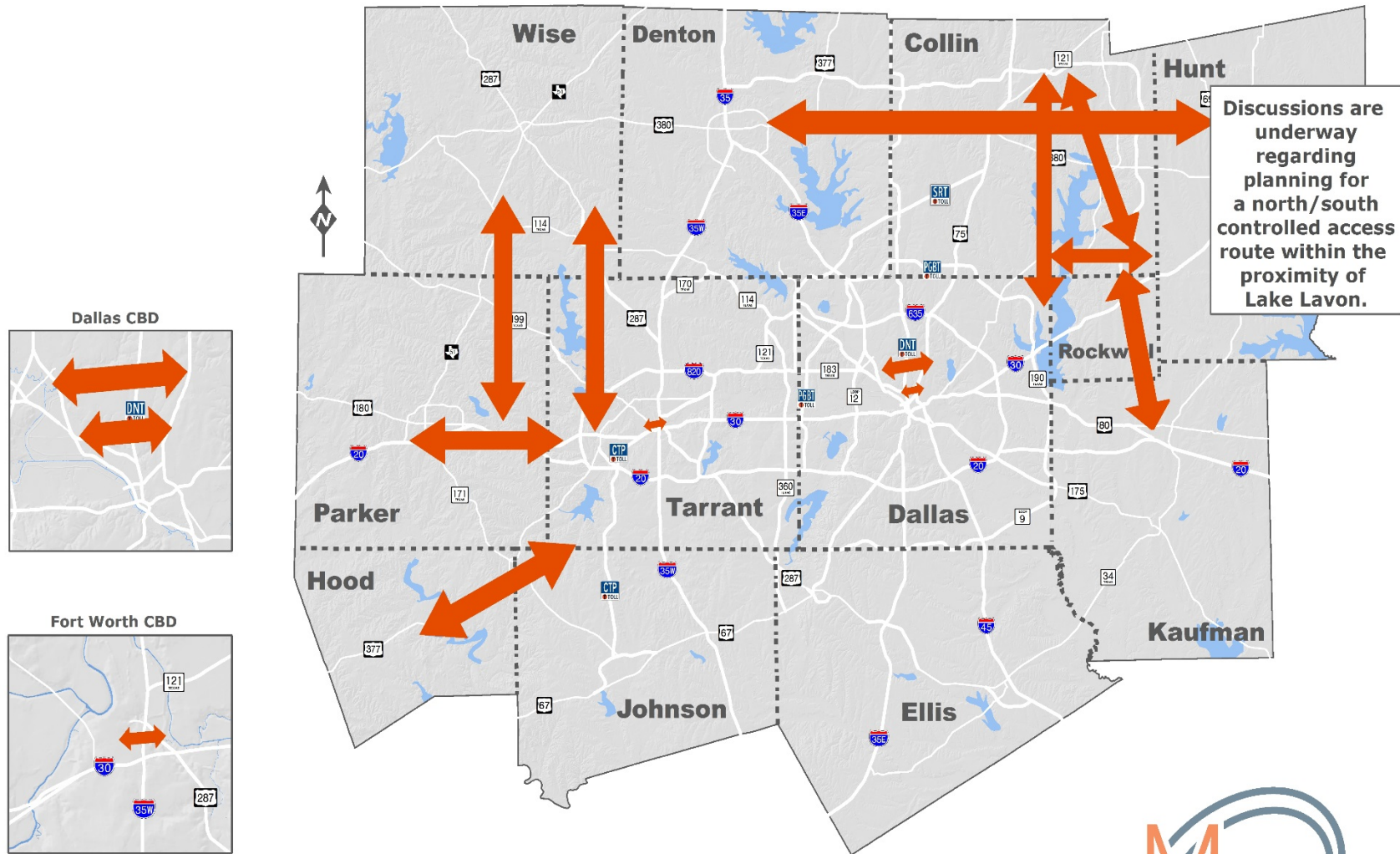# Priced Facility Recommendations

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

Dallas CBD

Fort Worth CBD

DRAFT

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

Mobility 2045

March 6, 2018
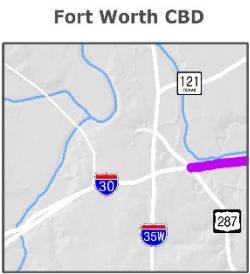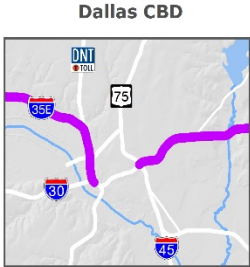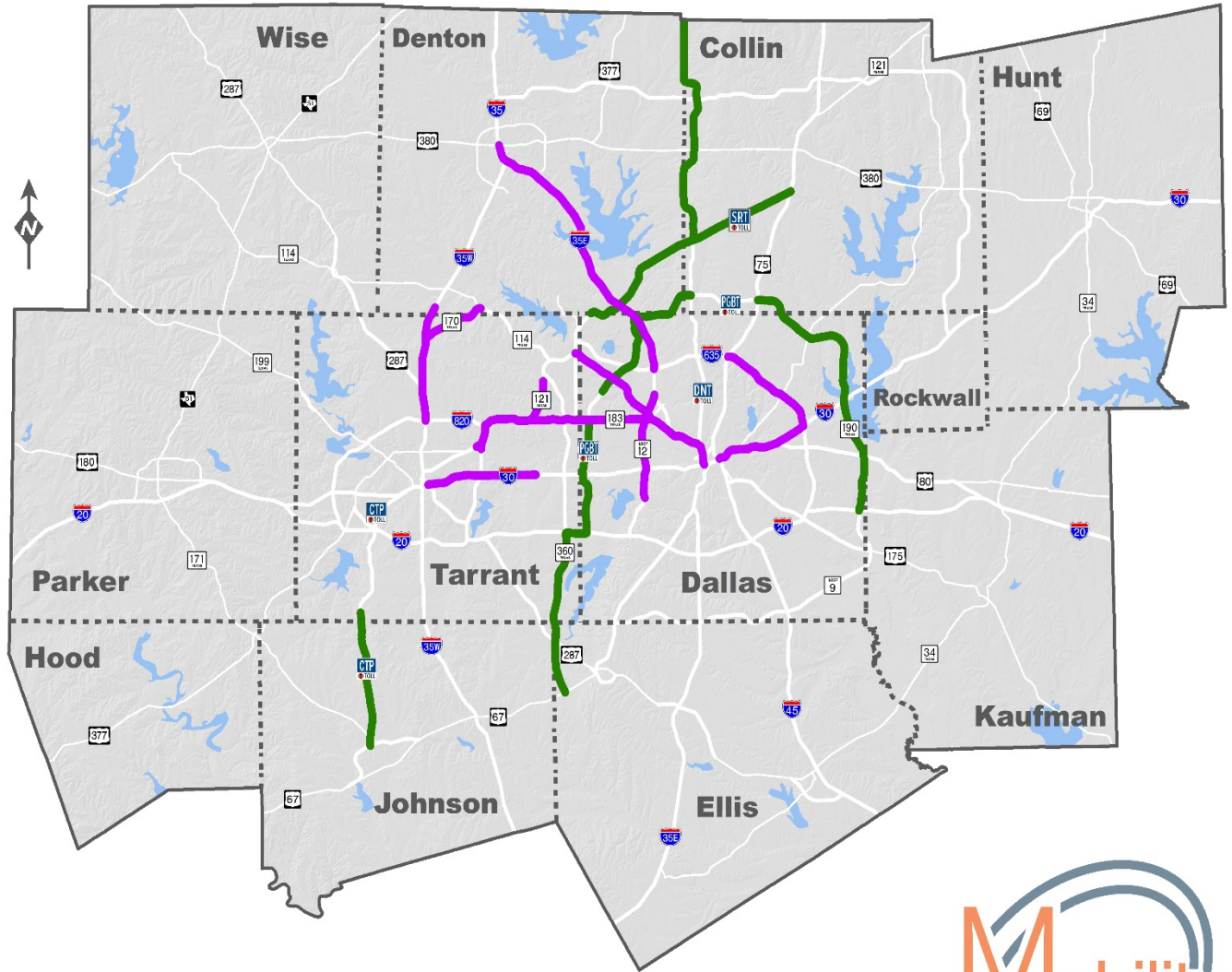
Freeway Recommendations

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

Dallas CBD

Fort Worth CBD

DRAFT

Mobility 2045

North Central Texas Council of Governments

February 23, 2018

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

Major Roadway Recommendations

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

Dallas CBD

Fort Worth CBD

Project Recommendation Maps and Tables Are Available!!

www.nctcog.org/mobility2045

DRAFT

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

North Central Texas Council of Governments

Mobility 2045

March 2, 2018
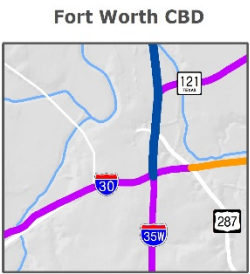
Roadway Corridors for Future Evaluation

DRAFT

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.

Regional Funding

Roadway Expenditures $ 52 B

Regional Roadway Needs $ 389 B

Shortfall $ 337 B
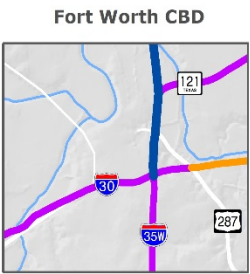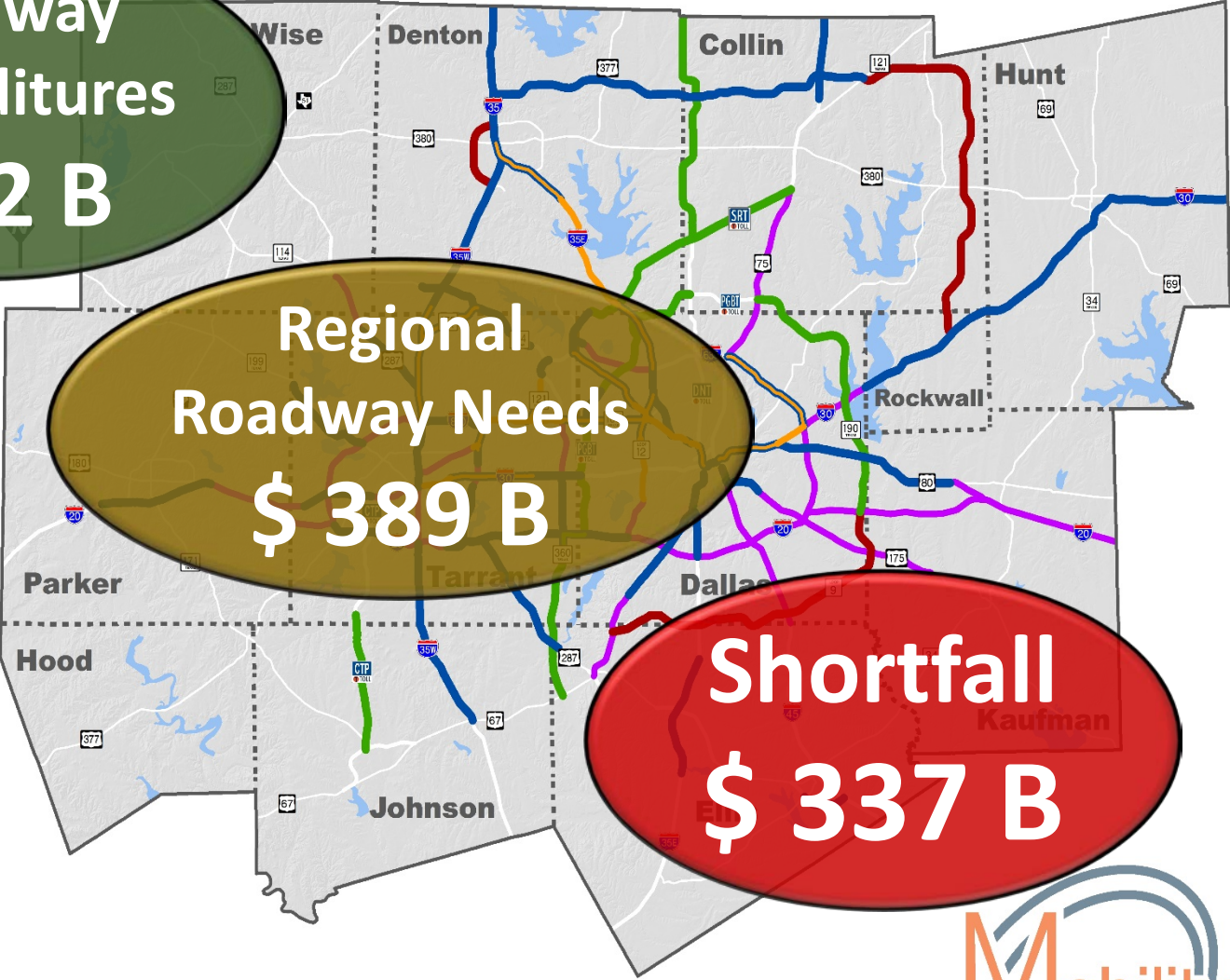
DRAFT

Transit Corridor Recommendations

Rail

- 1 - Cotton Be
- 2 - Cotton Belt East Extension
- 3 - Downtown Dallas 2nd Alignment (D2)
- 4 - Dallas Streetcar
- 5 - A-train Extension
- 6 - Frisco Line
- 7 - Mansfield Line
- 8 - McKinney Line
- 9 - Midlothian Line
- 10 - Green Line Extension
- 11 - Cleburne Line
- 12 - Southwest TEX Rail
- 13 - Scyene Line
- 14 - Waxahachie Line

High-Intensity Bus

- 15 - IH 35W Express
- 16 - IH 30 Express
- 17 - Spring Creek Parkway
- Existing Rail

Dallas CBD

Fort Worth CBD

DRAFT

Facility recommendations indicate transportation need. Corridor-specific alignment, design, and operational characteristics will be determined through ongoing project development.
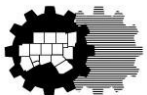
Mobility 2045
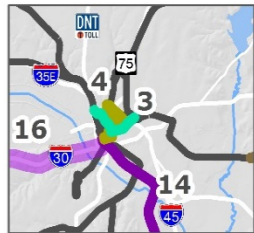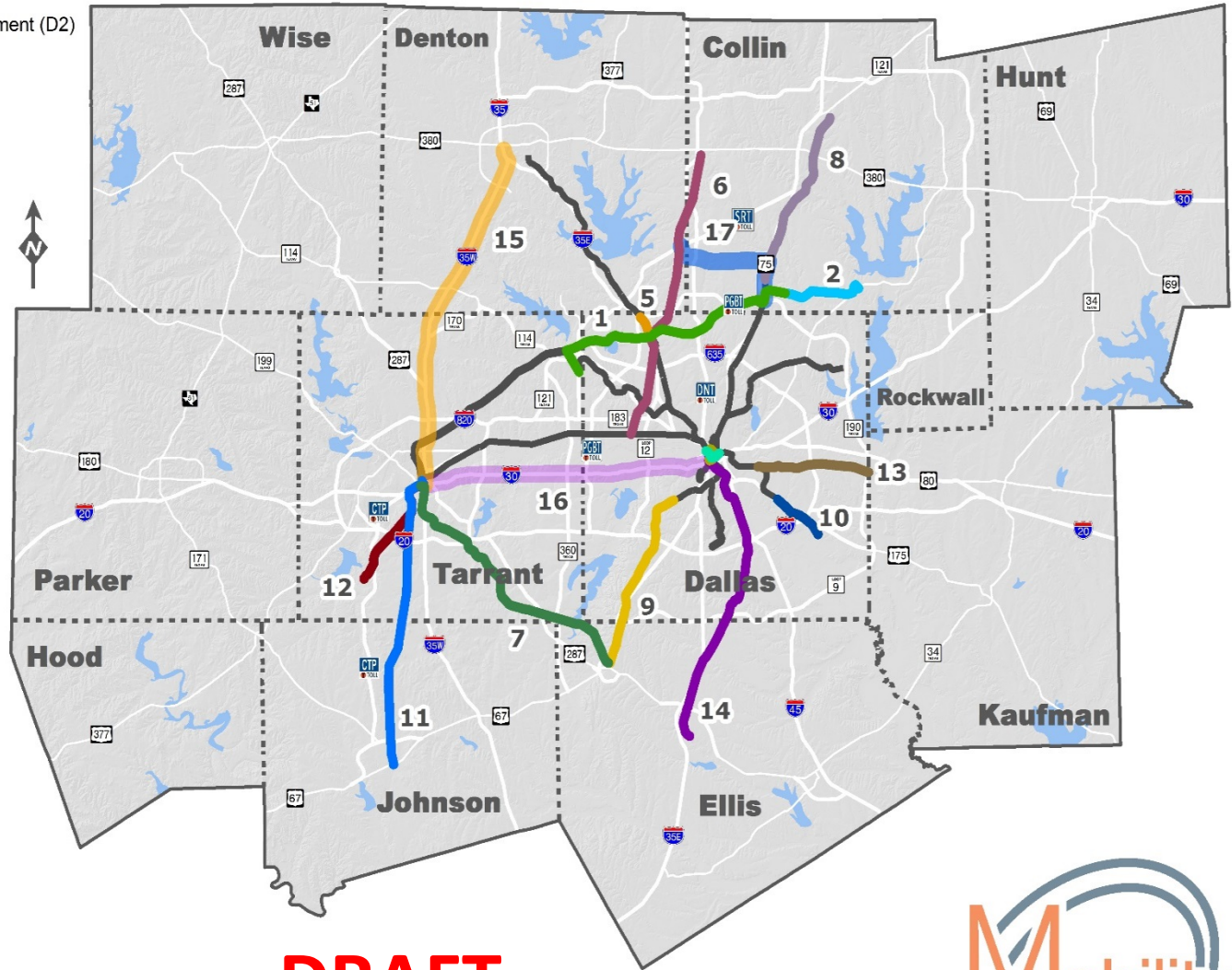
RTC Concerns

- **Public Involvement Opportunities**
  - **FM 730**
  - **Arterial North of Lake Weatherford**
- **Roadway Corridors for Future Evaluation in Collin County**
- **Include Policy for Active Mode Share**

Regional Transportation Council

Additional Plan Components

✓ **Sustainable Development**

✓ **Bicycle and Pedestrian Facilities**

✓ **People Movers**

✓ **Freight**

✓ **Aviation**

✓ **Transportation Demand Management**

✓ **Transportation System Management**

✓ **Transportation System Safety and Security**
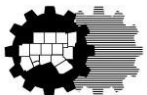
Additional Plan Components

✓**Environmental Considerations**

    ✓**Natural Environment – Extreme Weather Resiliency**

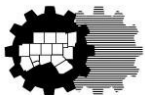   ✓**Environmental Justice**

✓**High-Speed Rail**

✓**Social Considerations**

✓**Financial Plan**

✓**Technology**

✓**Policies**

✓**Programs**

Selected Proposed Policy Additions

General

Support Ability to Modify Mobility Plan for Emergency Operational Improvements

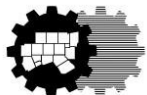- Technology Lanes
- Managed Lanes
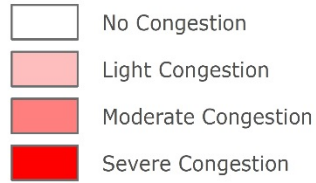- Access Ramps
- Auxiliary Lanes

Managed Toll Lane System

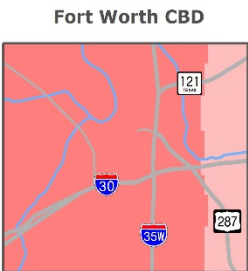Support Implementation within a Tolled Managed Lane Policy Area

Toll Managed Lane System Policy Boundary
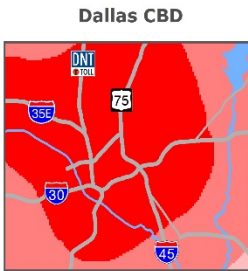
Congestion Index
- No Congestion
- Light Congestion
- Moderate Congestion
- Severe Congestion

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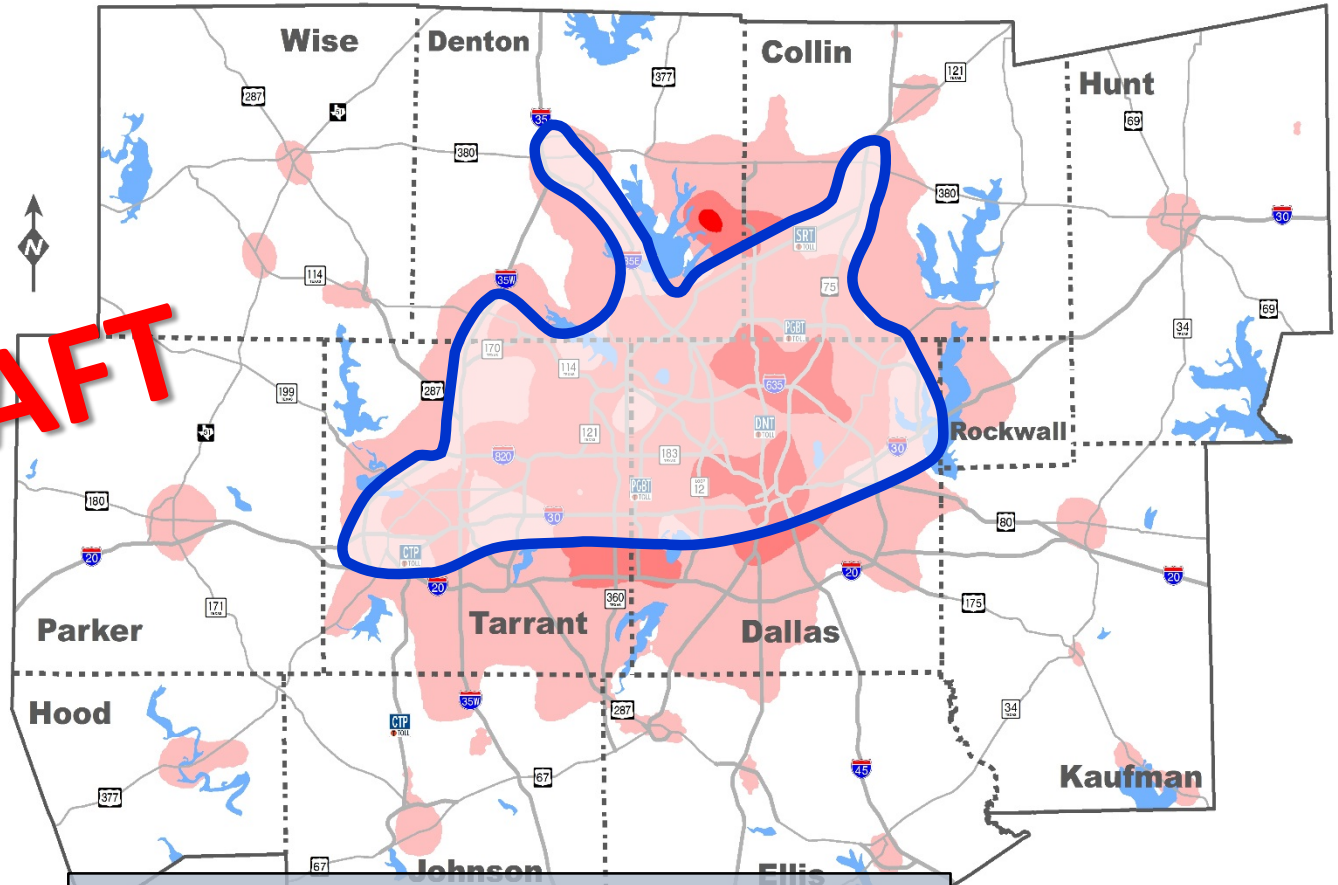
Within Boundary – Year 2018
13% Land Area
79% Vehicle Hours of Congestion Delay

Dallas CBD

Fort Worth CBD

Cost of Congestion/Delay: $11.9 billion

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

Mobility 2045

North Central Texas Council of Governments

June 2018

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Public Comment Topics

October 2017

- Eminent Domain
- Lake Corridor Project in Collin County

January 2018
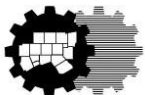
- Funding
- Hyperloop and Bullet Train
- Backup Plan for Toll Road Funding
- Arterial Needs Assessment
- Draft Plan Available When?
- Use Union Pacific Railroad (UPRR) from Fort Worth to Dallas for Commuter Rail
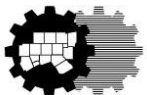- Alternate Roads, Do Not Expand Other Modes
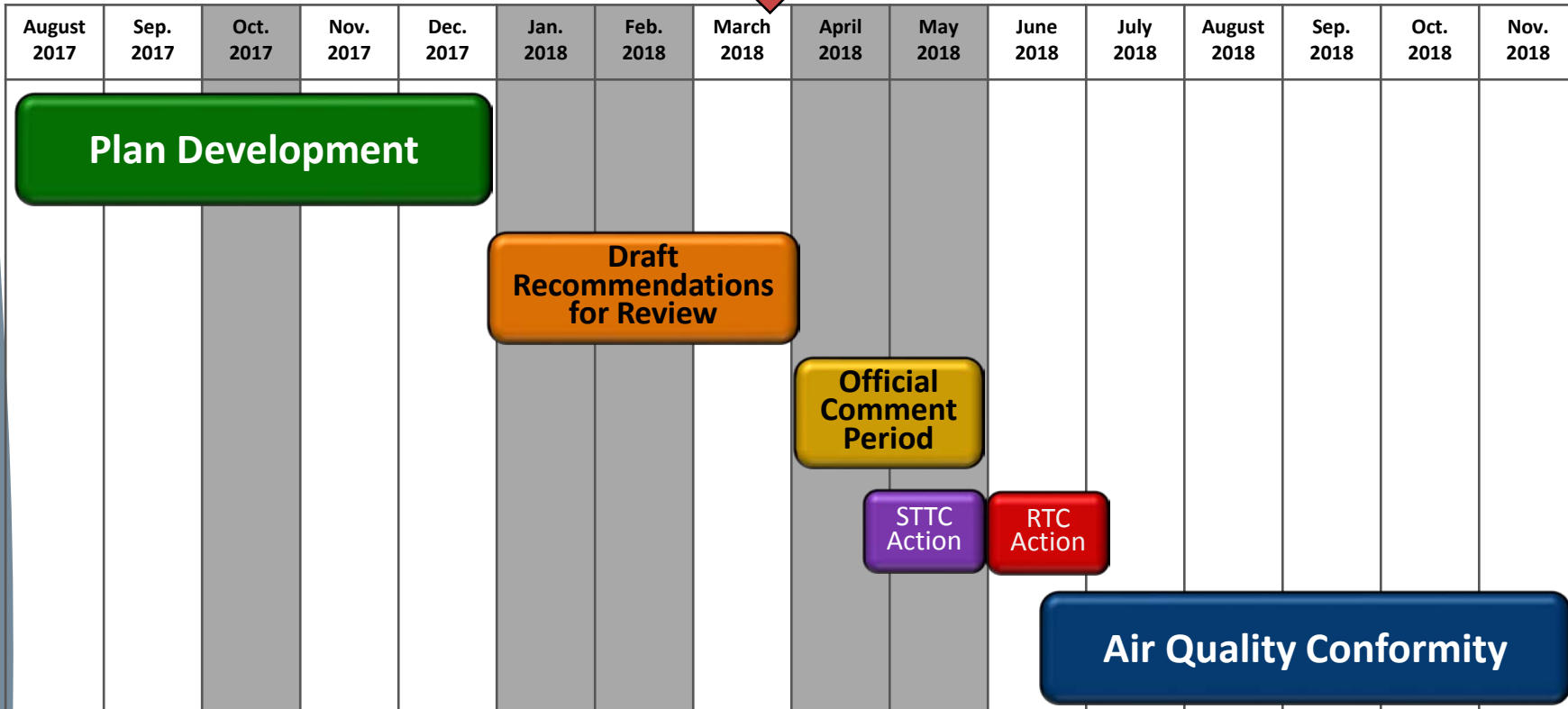
Public Comment Topics

February 2018

Policy Foundation for Mobility 2045

Transportation Assistance for South Dallas County

Transit Funding

Mobility 2045 Schedule

| | August 2017 | Sep. 2017 | Oct. 2017 | Nov. 2017 | Dec. 2017 | Jan. 2018 | Feb. 2018 | March 2018 | April 2018 | May 2018 | June 2018 | July 2018 | August 2018 | Sep. 2018 | Oct. 2018 | Nov. 2018 |

Plan Development

Draft Recommendations for Review

Official Comment Period

STTC Action

RTC Action

Air Quality Conformity
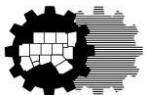
Notes:
- Public meetings held during highlighted months.
- Regional Transportation Council action on Mobility 2045 Plan scheduled for June 14, 2018.

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Next Steps

Official Public Comment Period

    April through May
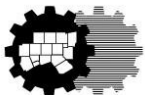
Revise Recommendations

Draft Final Document – April 9

STTC Updates in April

Review and Action

    STTC – May 25

    RTC – June 14

Tentative Public Meeting Schedule
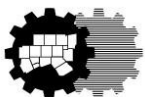
April 9 – Garland, 6:00 pm

April 10 – North Richland Hills, 6:00 pm

April 11 – NCTCOG, 2:30 pm

May 15 – NCTCOG

May 17 – TBD

May 22 – TBD

Requested Action

Support Regional Transportation Approval to Present the Draft Mobility 2045 Recommendations at Public Meetings Beginning in April.
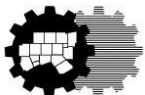
Questions?

Dan Lamers
Senior Program Manager
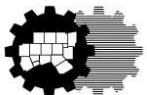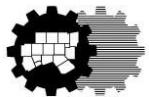dlamers@nctcog.org
(817) 695-9263

Sarah Chadderdon
Program Manager
schadderdon@nctcog.org
(817) 695-9180

Kevin Feldt
Program Manager
kfeldt@nctcog.org
(817) 704-2529

www.nctcog.org/mobility2045

Mobility 2040 vs Mobility 2045

	Mobility 2040	Mobility 2045
Planning Horizon	2016 – 2040 (25 Years)	2018 – 2045 (28 Years)
Legislative Action Revenue	Propositions 1 & 7 revenues estimated	Propositions 1 & 7 now integrated into UTP and TIP
Innovative Revenue	Toll and tolled managed lane facilities scaled back	Continue to use toll managed tools in select corridors based on new regional toll policy boundary
Enhancement Revenue	Needs outpace ability to pay for improvements; included state, federal, and local revenue enhancements	Needs outpace ability to pay for improvements; continuing assumptions of federal, state, and local revenue enhancements
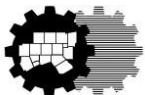
Financial Assumptions

Traditional Funds are Insufficient

Multiple Scenarios and Options to Generate Additional Funds

Continue Toll Roads and Toll Managed Lanes as a Long Term Strategy

Not Approving a Specific Scenario

Future Available Funding Sources Unknown

New Federal Infrastructure Initiative

Approving Equivalent Magnitude Funding Amount

Financial Assumptions

Funding Strategy	Mobility 2040 (Final)	Mobility 2045 (DRAFT)
State Fuel Tax (per gallon)	Existing State Motor Fuel Tax +$0.05 in 2020 +$0.07 in 2030	Existing State Motor Fuel Tax +$0.05 in 2025 +$0.07 in 2035
State Fuel Tax Indexing	No	No
Federal Fuel Tax (per gallon)	Existing Federal Motor Fuel Tax +$0.05 in 2020 +$0.05 in 2030	Existing Federal Motor Fuel Tax +$0.05 in 2025 +$0.05 in 2035
Average Vehicle Registration Fee	Existing Fee +$10 in 2020 +$10 in 2030	Existing Fee +$10 in 2025 +$10 in 2035
Tollroads, Managed Lanes, CDA, and PPP	Currently Funded Facilities	Currently funded projects + select, strategic facilities based on new toll area policy
Other Assumptions	Utilize New Revenues from 84th Legislature (~$34.5B to region over time)	New revenues from 84th legislature, now allocated in UTP/TIP, will continue through horizon year
Total Revenue ($B)	$118.9	$135.5

Selected Proposed Policy Additions

Freight

   Encourage Regional Railroads to Participate in Regional Planning

Active Transportation Mode Share

   Support Active Transportation Measurable Share of all Transportation Modes
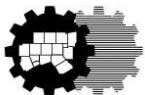
Selected Proposed Policy Additions

Technology

    Encourage Data Sharing

    Encourage Automated Vehicles

    Support Infrastructure Maintenance

    Encourage Ridesharing

Asset Optimization

    Resiliency

        Develop Strategies to Address Vulnerabilities

    Roadway Maintenance

        Support Asset Management Policies
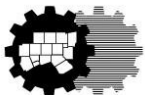
Legislative Update

Surface Transportation Technical Committee

March 23, 2018
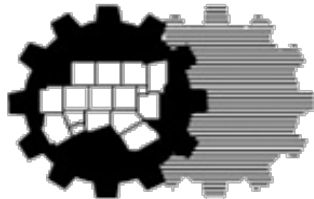
Rebekah Hernandez
North Central Texas Council of Governments

Federal Update

Appropriations

February budget deal included FY18 Continuing Resolution (expires today) plus an additional $10B per year in FY18 and FY19 for infrastructure

Congress currently finalizing FY18 bill

- $1.3 trillion total for all departments

- House and Senate approved; President still needs to sign

Federal Update

FY18 Appropriations - Transportation

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)

6 month FAA extension; $18B for aviation (+$1.6B)

Federal Update

FY18 Appropriations - TIGER

- $1.5B for TIGER (+$1B)

- Rural set aside of 30 percent

- Maintains $25M maximum grant size

- Maximum state share of 10 percent of all grants ($147.5M)

- Up to $15M for planning grants

Federal Update

Proposed White House Infrastructure Plan

I. Funding Programs

   Proposed $200B total and leveraged to $1.5 trillion

   Focuses on public-private partnerships and funding from state and local governments

II. Principles for Infrastructure Improvements

III. Environmental Review/Permitting Process

   More decision making power to states, pilot programs for innovative review processes

IV. Workforce Development Programs

Texas Legislature

Interim Committees Continue to Meet

Senate Finance

◦ The State Comptroller presented preliminary revenue estimates for the 2020-21 statewide budget
◦ Proposed changes to the Rainy Day Fund, creating an investment fund

House Transportation

◦ Discussed emerging issues in transportation
◦ Automated vehicle technology and UAS/drones

Upcoming RTC Legislative Workshop in May

Contact Information

Rebekah Hernandez
Communications Supervisor
rhernandez@nctcog.org
(817) 704-2545

Amanda Wilson, AICP
Program Manager
awilson@nctcog.org
(817) 695-9284

www.nctcog.org/legislative

Grant Opportunity Announcement Round 2:
Traffic Signal Data Sharing
511 DFW/Waze Data Sharing

Surface Transportation Technical Committee
March 23, 2018

Clint Hail, Transportation Planner

Round 1: Thank you…

…for contributing to the region's culture of transportation innovation and leadership.

Arlington

Crowley (Waze)

Frisco

Grand Prairie

Grapevine (Traffic Signal)

Plano
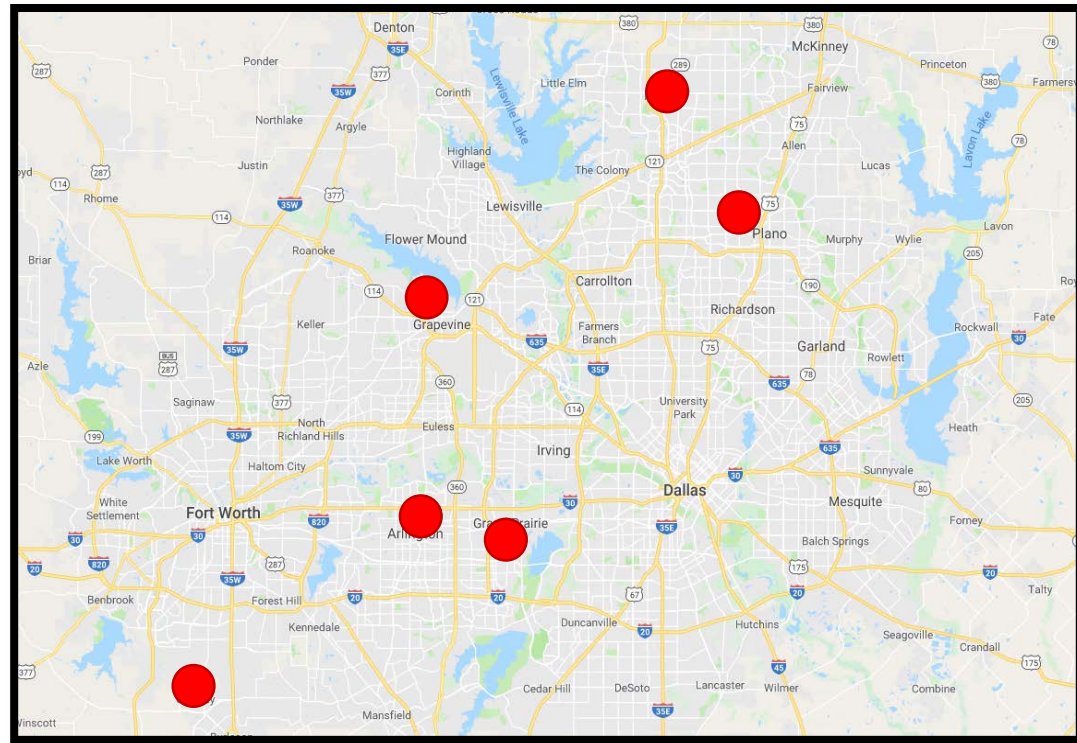
Serve North Central Texas...

by providing developer friendly data resources

through interlocal cooperation and data sharing

so that, our region is prepared for the continued introduction of automated vehicle (AV) technologies.

Traffic Signal Data Sharing
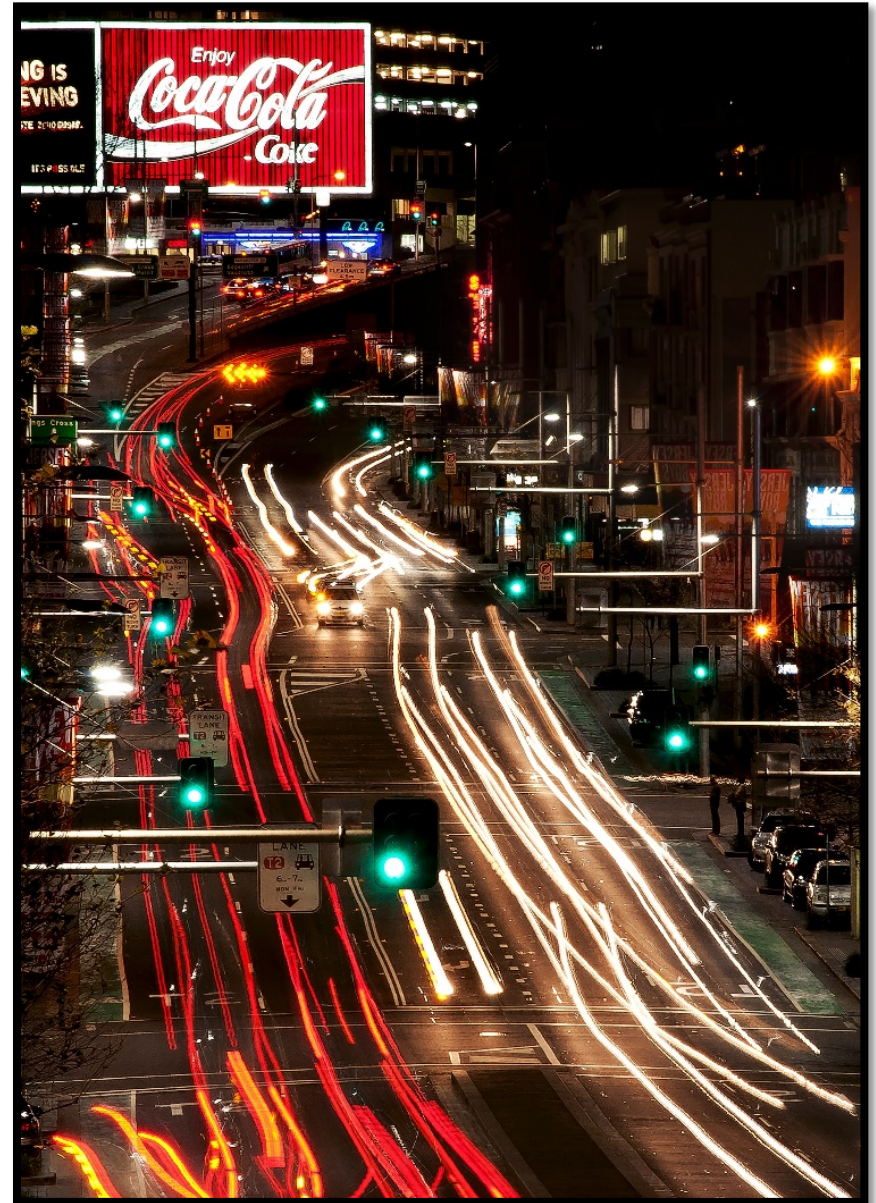
Traffic Signal Data Sharing…

Eligibility Requirements

Public entity with jurisdiction over traffic signals

Public entity is willing to make its traffic signal data accessible to developers, universities, NCTCOG, and other public entities, etc. consistent with regional policies/practices.

Traffic Signal Data Sharing…

Evaluation Criteria

Amount requested [10%]

Quality of proposed technical solution [60%]
- Number of traffic signals made accessible
- Number on Routes of Significance
- Traffic volumes served by traffic signals
- Connectivity w/other data-sharing jurisdictions
- Ability to share data w/multiple parties

Can implement solution in timely fashion [30%]

511 DFW /Waze Data Sharing

Schedule

Grant Opportunity	
Announcement	**3/23/18**
Application deadline	5/4/18
STTC Approval—Grants	5/25/18
RTC Approval—Grants	6/14/18
Executive Board Approval—Grants	6/28/18
Execute Agreements	July 2018
Project Implementation	August 1 – Oct 31, 2018

Contact Information

Clint Hail

Transportation Planner

chail@nctcog.org

(817) 704-5633

511 DFW/Waze Data Sharing

Eligibility Requirements

Public entity with jurisdiction over highways/streets or transit system

Public entity is willing to make its highway and traffic or transit conditions data accessible to developers, universities, NCTCOG, other public entities, etc. consistent with regional policies/practices

511 DFW/Waze Data Sharing

Evaluation Criteria

Amount requested [10%]

Quality of proposed technical solution [60%]

Routes of Significance in community
- Traffic volumes
- Population
- Connectivity
- Ability to share data with multiple parties

Ability to implement proposed solution in a timely fashion [30%]

START OF OZONE SEASON

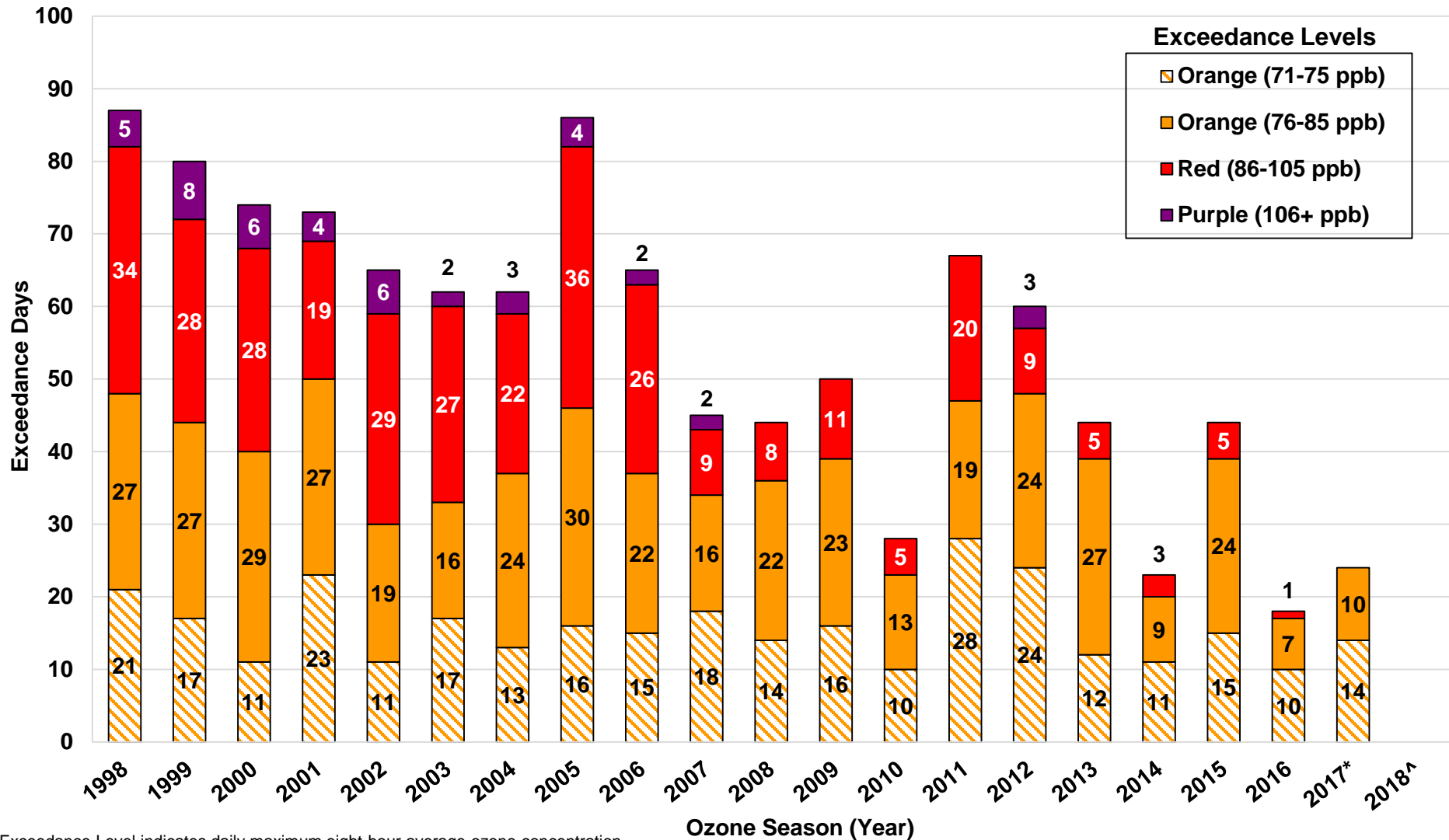**Surface Transportation Technical Committee**

March 23, 2018

Jody Loza
Senior Transportation Planner

North Central Texas
Council of Governments

8-HOUR OZONE NAAQS HISTORICAL TRENDS
Based on ≤70 ppb (As of March 22, 2018)

Exceedance Level indicates daily maximum eight-hour average ozone concentration.
Exceedance Levels are based on Air Quality Index (AQI) thresholds established
by the EPA for the for the revised ozone standard of 70 ppb.

= Additional level orange exceedance days under the revised standard that were not
exceedances under the previous 75 ppb standard. (AQI level orange = 71-75 ppb)

*Data not certified by the TCEQ
^Not a full year of data, current as of 3/22/2018
Source: TCEQ, http://www.tceq.state.tx.us/cgi-bin/compliance/monops/8hr_monthly.pl
ppb = parts per billion

8-HOUR OZONE NAAQS HISTORICAL TRENDS

As of March 22, 2018

Design Value (ppb)[1]

1997 Standard < 85 ppb (Revoked)

2008 Standard ≤ 75 ppb[1] (by 2017)

2015 Standard ≤ 70 ppb (TBD; Marginal by 2020)

Data points: 102, 101, 99, 100, 98, 95, 96, 95, 91, 86, 86, 90, 87, 87, 81, 83, 80, 79, 68

X-axis: 98-00, 99-01, 00-02, 01-03, 02-04, 03-05, 04-06, 05-07, 06-08, 07-09, 08-10, 09-11, 10-12, 11-13, 12-14, 13-15, 14-16, 15-17*, 16-18^

Consecutive Three-Year Periods
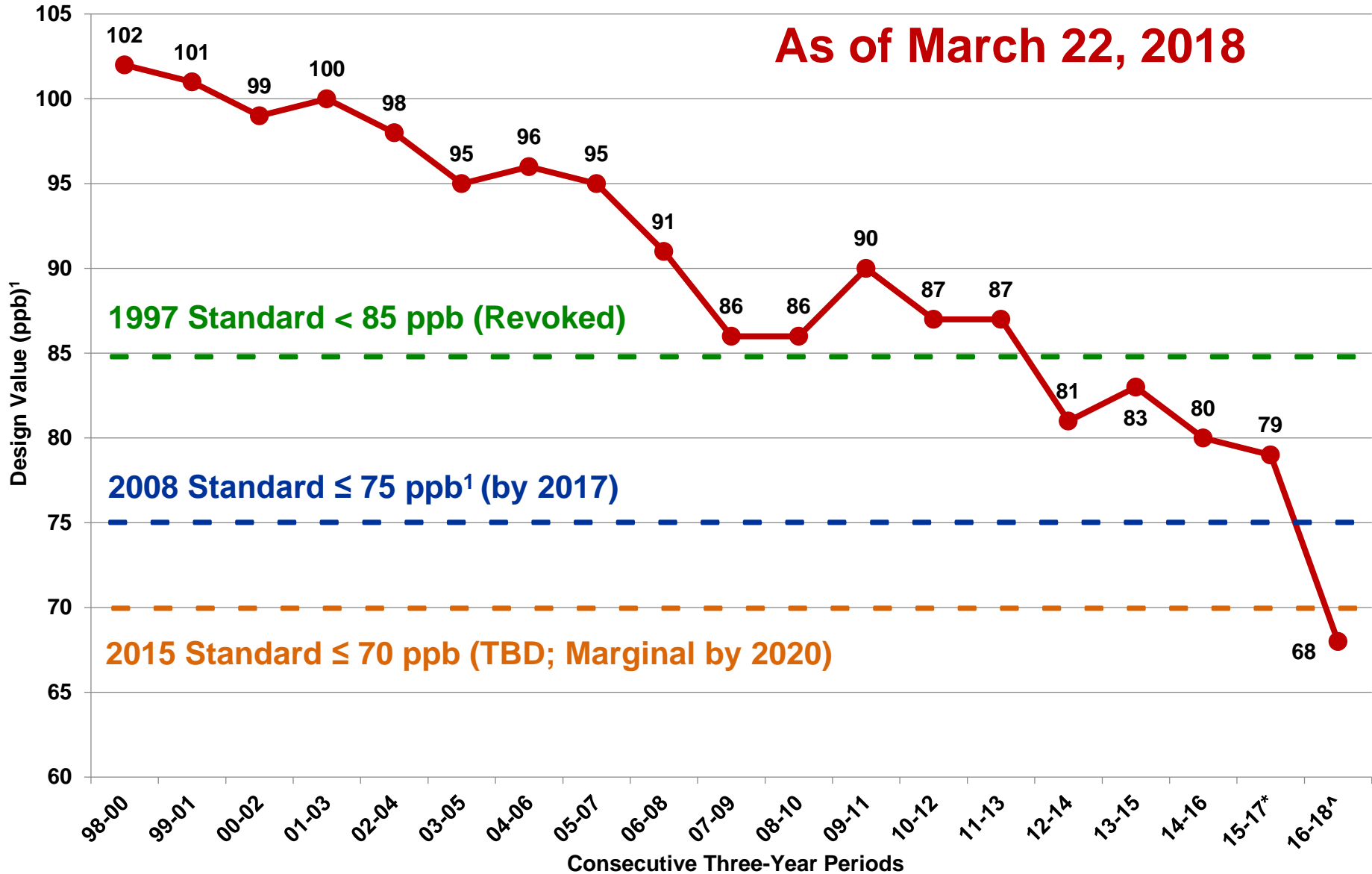
[1]Attainment Goal - According to the US EPA National Ambient Air Quality Standards, attainment is reached when, at each monitor, the *Design Value* (three-year average of the annual fourth-highest daily maximum eight-hour average ozone concentration) is equal to or less than 70 parts per billion (ppb).
*2017 data not certified by the Texas Commission on Environmental Quality
^Not a full year of data, current as of 3/22/2018

Source: NCTCOG TR Dept

GETTING INVOLVED

Clean Fleets North Texas
>   2018 Call for Projects - Vehicles and Equipment
> $1.5 million available locally
>   http://www.nctcog.org/aqfunding

Volkswagen Settlement
>   Summer 2018 – Mitigation Plan
> $209 million statewide to replace or repower old diesel
>   http://www.nctcog.org/trans/air/VWsettlement

Metropolitan Transportation Plan Policy Bundle

- **Clean Fleet**
- **Idling Restrictions**
- **Clean Construction**
- **Recycle Tires (future)**

>   Opportunity to inventory for future funding consideration
>   http://www.nctcog.org/policybundle

Texas Emissions Reduction Plan – Summer 2018
>   Texas Clean Fleet Program (Alternative Fuel Vehicles)
>   Emissions Reductions Incentive Grant Program (Clean Diesel Vehicle &
>   Equipment)
>   http://www.terpgrants.org

AIR NORTH TEXAS 2018 PLANS

Campus Clean Air Action Days to take place at participating universities
            March – April 2018

Staff presence at regional outreach events
            Spring 2018

Social media campaign for Air Quality Awareness Week
            April 30 – May 4, 2018

Clean Air Action Day June 22, 2018

Air North Texas advertisements and marketing will appear in billboards, radio, online, etc.
            May – October 2018

Air North Texas Air Pollution Alert e-mails
            www.airnorthtexas.org

* Let us know of any other opportunities.

2015 8-HOUR OZONE NAAQS UPDATES

November 16, 2017:   EPA designated 2,646 counties as Attainment/Unclassifiable and 3 counties as Unclassifiable

January 16, 2018:   Final Rule Effective Date

April 2018:   Final Rule Classifying Nonattainment Counties (Marginal classification anticipated for DFW 10-county nonattainment region)

On-going: Monitor the United States Court of Appeals for the District of Columbia Circuit case No. 15-1115 *South Coast Air Quality Management District v. EPA, et al., vacating portions of the 2008 Ozone Implementation Rule* [2]

CONTACTS

General Air Quality: **Jody Loza**
Senior Air Quality Planner
(817) 704-5609
jloza@nctcog.org

Funding: ~~**Allix Philbrick**~~   **Lori Clark**
~~**Air Quality Planner**~~   **Program Manager**
~~**(817) 695-9249**~~   **(817) 695-9232**
~~**aphilbrick@nctcog.org**~~   **AQgrants@nctcog.org**

Outreach: **Whitney Vandiver**
Communications Coordinator
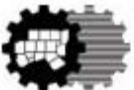**(817) 704-5639**
wvandiver@nctcorg.org

BIKE SHARE UPDATE

Surface Transportation Technical Committee

March 23, 2018

Kevin Kokes, Principal Transportation Planner

Sustainable Development Program

Stationless (Dockless) Bike Share

New Generation of
  Bike Share

Private Companies
  Provide Bikes for Public Use

No Docking Station
  or Fixed Bike Rack

GPS-Based – Mobile App
  Identifies Bike Locations
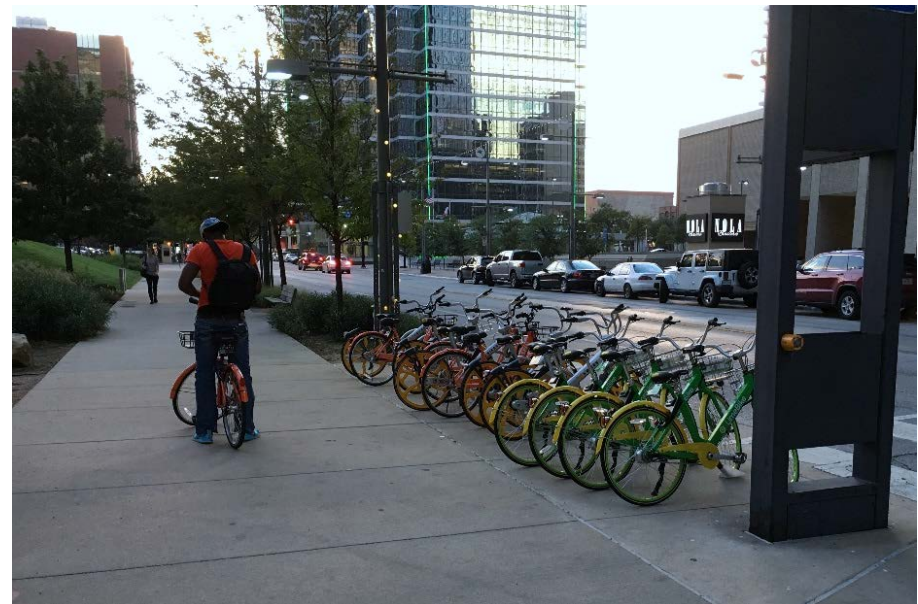
Pay-as-you-go Rides
  Via Mobile App

Find a bike nearby   Unlock and ride   Park and Lock

Bike Share Advantages

Easily Accessible "As Needed"

Affordable

First / Last Mile
  Connections to Transit

Opportunities to
  Reduce Short Car Trips

Public Health Benefits

Data – Improved Planning for Infrastructure

Stationless (Dockless) Bike Share Concerns

Parked Bicycles Left in Public Right-of-Way
- ADA Compliance
- Safety

Aesthetics – Lack of Order

Rebalancing of Fleet (unutilized bikes)
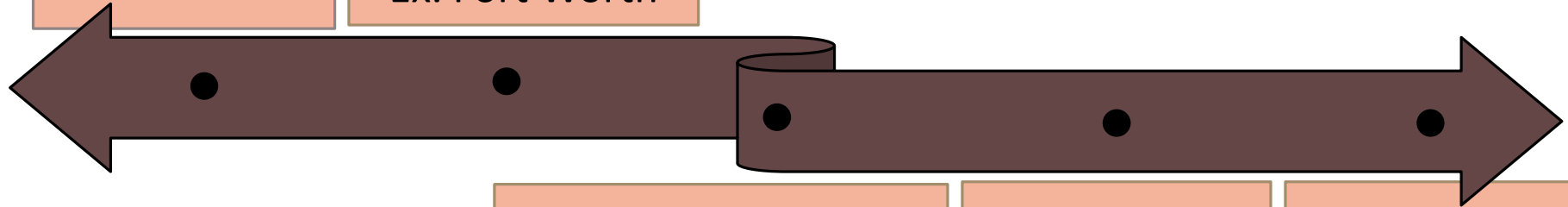

Source: City of Denton

Local Policy Options

Banned by Ordinance
Ex. Highland Park

Not Currently Permitted in Public ROW
Ex. Fort Worth

License Agreements or Permit Process in Public ROW
Ex. DART, Denton, Plano

No Restrictions
Ex. Dallas (current trial period)

No Restrictions
Various Cities (monitoring)

Option: Introduce as Pilot Program

Local Ordinances / Permits

Permit Fee (Denton: $50-$750)

- Fines and/or Loss of Permit if Customer Service Metrics Are Not Met

Rebalancing Plan and Regulated Parking Locations

- Operational Provisions (e.g. respond to complaints and concerns)
- Locations for Virtual Bike Racks / Corral Areas
- Max. Number of Days a Bike May be Idle

Cap on the Number of Bikes Deployed (per company)

- (Denton may reassess the maximum based on demonstrated rider demand.)

Plan for Educating Users on Proper Bicycle Parking

Data Sharing

Data Collection

Transportation Planning

    Trip Duration

    Trip Distance

    Start Date, Time, and Location

    End Date, Time, and Location

Enforcement

    GPS Coordinate

    Availability Duration

    Availability Start Date

    Availability Start Time

Heat Map of Trip Origination

Downtown Dallas

Source: LimeBike

Next Steps

Monitor

Share Model
   Ordinances

Coordinate
   Data Sharing
   and Analysis

Transportation
Planning

NCTCOG Contacts
Sustainable Development Program
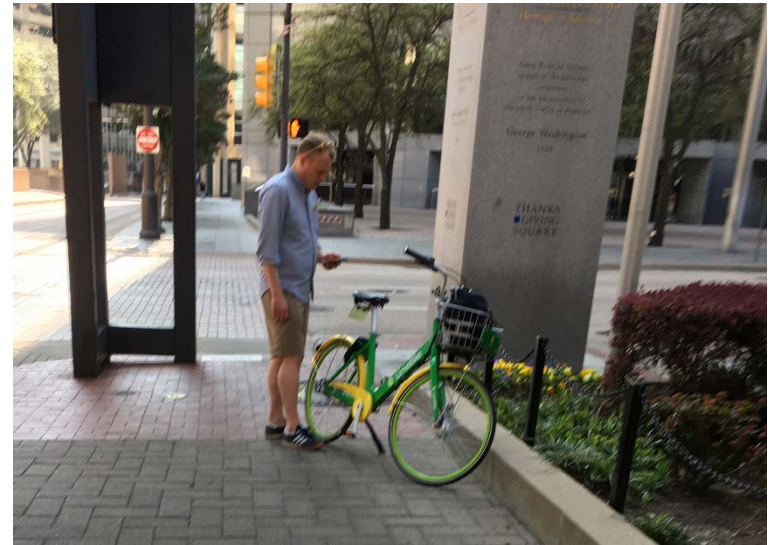
Karla Weaver, AICP

Senior Program Manager
KWeaver@nctcog.org

(817) 608-2376

Kevin Kokes, AICP

Principal Transportation Planner
KKokes@nctcog.org

(817) 695-9275

Jessica Scott

Transportation Planner II
JScott@nctcog.org

(682) 433-0460