



Air North Texas 2016-2017 Partner Awards

Regional Transportation Council
November 9, 2017

Our Partners



Brookhaven College
DALLAS COUNTY COMMUNITY COLLEGE DISTRICT



American Lung Association – DFW
Region
Brookhaven College
City of Anna
City of Arlington
City of Bedford
City of Cedar Hill
City of Dallas
City of Denton
City of Fort Worth
City of Grand Prairie
City of Grapevine
City of Kennedale
City of Mesquite
City of North Richland Hills
City of Plano
City of Richardson
Cedar Valley College
DART
DCTA
DFW Airport
FWTA
Health and Wellness Alliance for Children
Hood County
Insta-brite Technologies
NCTCOG
The North Texas Commission
Dallas County
Parker County
Tarrant County
TxDOT – Dallas
TxDOT – Fort Worth
U.S. Green Building Council – North Texas Chapter
University of North Texas Health Science Center
University of Texas at Arlington
UT Southwestern

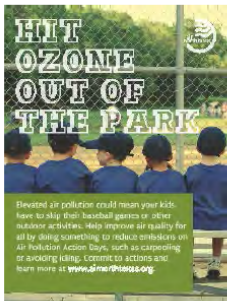
Award Categories

- Outstanding Effort Awards
 - Advertising
 - Initiative
 - Partner Involvement
 - Outreach
- Arlo Ambassador Award
- Air North Texas Partner of the Year

Outstanding Advertising



2



Air North Texas

The Air North Texas conference call was held May 18th. The May meeting included an air quality update indicating the current design value through May 18th for the DFW nonattainment area was at 77 ppb. There was a presentation done by the DFW airport representatives highlighting the Airport Carbon Neutrality program. There was also a presentation by NCTCOG representatives reviewing the Try Parking it program

that focuses on travel demand management through carpooling, trip reduction, bicycle/pedestrian initiatives, and transit initiatives. There was also a review of plans for Clean Air Action Day scheduled for June 23rd. The next meeting is scheduled for July 20th.

June 2017 | Hood County Clean Air Coalition

Clean Air Action Day is
June 23, 2017

**TAKE STEPS
TOWARD
IMPROVING AIR
QUALITY.**

#CAAD2017
06.23.17
airnorthtexas.org

Hood County Clean Air News

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HCCAC Board Members:
Dave Porcher, Chairman
John Campbell, Diamond C
Mark Clark, Luminant
Bob Cornett, Mayor, City of Cresson
James Deaver, Hood County Commissioner

2017 Ozone Season

The 2017 ozone season began on March 1st. The ozone season will last until the end of November for the North Texas region this year. EPA 120 letters concerning any intended modifications to state recommendations for the 2015 Ozone NAAQS designations were expected at the beginning of this month, but were not issued. On June 6th, EPA sent out a news release that ozone designations will be pushed back by one year and are now expected to be issued in October 2018. The current, uncertified, design value for the Hood County monitor is 66 parts per billion (ppb) through June 21, 2017. The 2015 Ozone Standard is 70 ppb.

Rider 7 Funding

On June 12th, notice was given that the Governor's office line-item vetoed the TCEQ Rider 7 Air Quality Planning Grant. This grant

Maximize Your Cold Weather Gas Mileage

Six Tips for Increasing Wintertime Fuel Economy

1. Park your car in the garage to decrease engine and transmission friction caused by cold weather and other drive line fluids.
2. Limit idling to warm up your car. The engine air warm-up factor when idling, idling fuel and reducing emissions.
3. Combine errands so you drive less often with a cold, less-efficient engine.
4. Tire pressure decreases in colder temperatures. By maintaining the proper tire pressure you can improve gas mileage up to 3.3%.
5. Use the type of motor oil recommended by your manufacturer for cold weather driving.
6. During holiday travel, remove roof box baggage and accessories as soon as possible. They can reduce fuel economy from 2%–8% in city driving and 10%–25% in highway driving.

Take Care of Texas — It's the only one we've got!

TakeCareOfTexas.org

Outstanding Initiative




UNT HEALTH SCIENCE CENTER

Clean Air Action Day (CAAD) - June 23rd

Action Pledge

CAAD is on the first Friday of the summer each year, and this year it is on June 23rd. Take action for clean air and do one thing to improve air quality for the health of our community!



A random drawing will be held on June 23rd for all action pledge participants. Prizes include:

- 1 - \$25 gift card to Amazon.com
- 2 - Sustainability goodie bags (tote, lunch bag, cutlery set, water bottle)

In addition to taking this pledge, come to the **CAAD Brown Bag Lunch from 12-1pm in LIB 110** (mini-auditorium). We'll show short videos with a focus on environmental and human health, and we'll have **Alchemy frozen pops** available. Alchemy Pops is a Fort Worth business which sources locally when possible. Each attendee will also get a **free water bottle** from Air North Texas. Water bottles and pops are first come, first serve.

Thanks for taking the action pledge! (click on the arrow below to do the pledge)

UNT HEALTH SCIENCE CENTER
OFFICE OF SUSTAINABILITY

TAKE STEPS TOWARD IMPROVING AIR QUALITY.



#CAAD2017
06.23.17
airnorthtexas.org

Clean Air Action Day (CAAD)

encourages North Texas action to improve air a healthier commun [here to pledge](#) one Friday, June 23rd. A drawing with prizes wi on that day for particip



UNT Health Science Center - Sustainability
Published by Sandy Wiggins Bauman [?] · July 26 ·

Drive an Electric Vehicle (EV) or want to? Attend DFW's Drive Electric Week on September 9th!

In addition to tal [pledge](#), come to th **Brown Bag Lunch** from in LIB 110 on Friday, J We'll show short vii We'll have free Alchemy Pop frozen pop store the locally when possib attendee will also g water bottle from Air N (while supplies last).

Need a New Freezer?

A few ULT freezers on campus will be replaced with more energy-efficient and space-saving freezers with funds through the Office of Sustainability. **Deadline to apply is June 30. [Click to see the requirements and the application.](#)**



Dallas-Fort Worth Clean Cities | Drive Electric Week

Your expert on alternative fuel and advanced technology vehicles, available grants, technical support, cost analysis, and more.

DFWCLEANCITIES.ORG

101 people reached

Boost Post

Outstanding Partner Involvement



June 23 is Clean Air Action Day and Live Green in Plano is partnering with Air North Texas to bring awareness to the health and environmental effects of poor air quality. [Click here to learn more.](#)

Deborah Partnered Up
"We moved to Plano from Phoenix, Arizona because my husband was suffering from chronic asthma due to..."



Live Green in Plano @LiveGreenPlano · Jun 20
"I'm very conscious of my environmental impact and biking is one way to be more sustainable." John E. Learn more @ plano.gov/cleanair



3 9

Clean Air Action Day

June 23 is Clean Air Action Day and Live Green in Plano is partnering with Air North Texas to bring awareness to the health and environmental effects of poor air quality. [Click here](#) to take action for clean air today!

Vehicles are the single largest contributor to ozone causing pollution in the North Central Texas region. Cars and trucks emit nitrogen oxides every day and these emissions have negative impacts on the respiratory health of residents. We're challenging residents to rethink their commuting options and help reduce the number of single-occupant cars on the road. On Clean Air Action Day consider an alternate commute method like biking, carpooling, riding DART or using an alternative fuel vehicle. To inspire you, we're sharing the stories of residents who do just that every day.

Share your story with us through [Facebook](#), [Twitter](#) or [email](#) to be featured in our outreach!



Outstanding Outreach & Arlo Ambassador



Green Dallas added a new photo.
Published by Brandi Kelp [?] · June 14 ·

Join Green Dallas and Partners for
Clean Air Action Day
June 24, 2016
10am - 2pm

- walk, bike, carpool, or take the bus -
City Hall Plaza & Central Library
Young St. at Ervay St.

Check out Chez Flo food truck or join our
Fitness Supervisor, Brenda Calderon, on a
walk to the Dallas Farmers Market.

Learn how you can improve air quality
and stay healthy:

- Air Quality Programs
- Asthma and Allergies
- Renewable Energy
- Water Conservation
- Clean Air Activities
- Ozone Standard
- Health and Wellness
- Energy Conservation
- Sustainability
- Transit Options

Photo: Brandi Kelp GreenDallas.net

Green Dallas
Published by Brandi Kelp [?] · June 15 ·

Arlo always turns off his power strip when he leaves work! What action will you take for Clean Air Action Day?

#CAAD2016 #GreenDallas #AirNTX

932 people reached

GreenDallas

383 people reached

Green Dallas
Published by Brandi Kelp [?] · June 22 ·

This Friday is Clean Air Action Day, and Arlo invites you to join Green Dallas and partners at the City Hall Plaza and Central Library. We will have lunch options, and great information from groups across Dallas on ozone and clean air. Come out and see us!

#CAAD2016 #GreenDallas #AirNTX

Click here for more details: greendallas.net/event/clean-air-action-day-2016/

187 people reached

Boost Post

Partner of the Year

Grand Prairie

TEXAS



Grand Prairie, TX @gp_tx - Aug 12
Flip the Switch! Turn off appliances and lights not in use. You'll save money and contribute to clean air. #AirNTX



...health of your love
and it happens more often than you might think. Be air aware by signi
for air quality alerts at <http://www.airnorthtexas.org/signup>. #AirNTX
#BeAirAlert



City of Grand Prairie - Municipal Government
July 25 '18

Hot Summer? Turn on that ceiling fan and set the blades in a counterclockwise direction so that the air blows down and cools you down. Ceiling fans allow you to raise the thermostat about four degrees without discomfort. Not only will you be cool, but you'll also save energy, reduce air pollution and save money! #AirNTX #SummerSavings



Contacts

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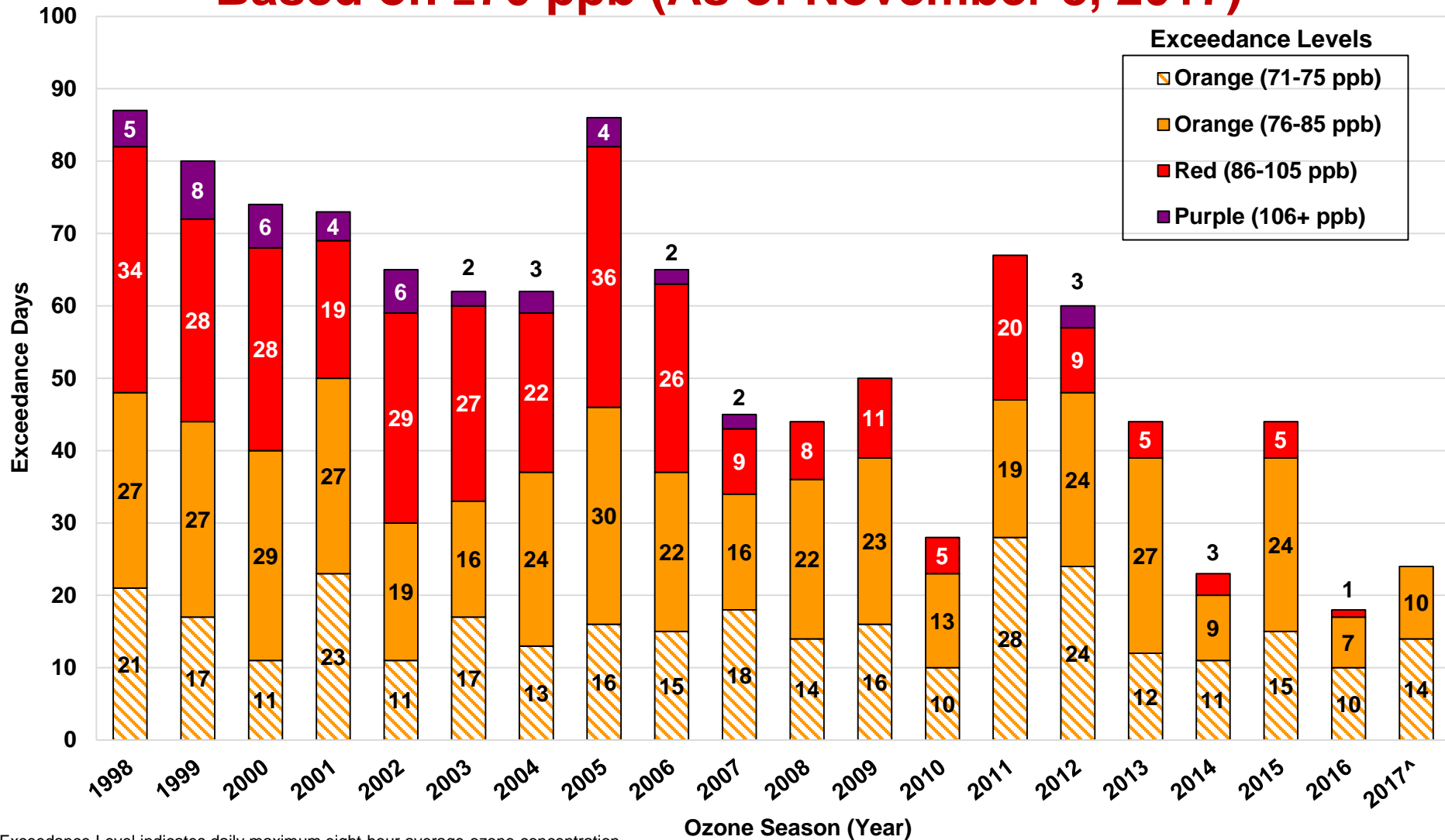
Whitney Vandiver
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www.airnorthtexas.org

EIGHT-HOUR NAAQS FOR OZONE HISTORICAL TRENDS

Based on ≤ 70 ppb (As of November 8, 2017)



Exceedance Levels

- Orange (71-75 ppb)
- Orange (76-85 ppb)
- Red (86-105 ppb)
- Purple (106+ ppb)

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 revised ozone standard of 70 ppb.

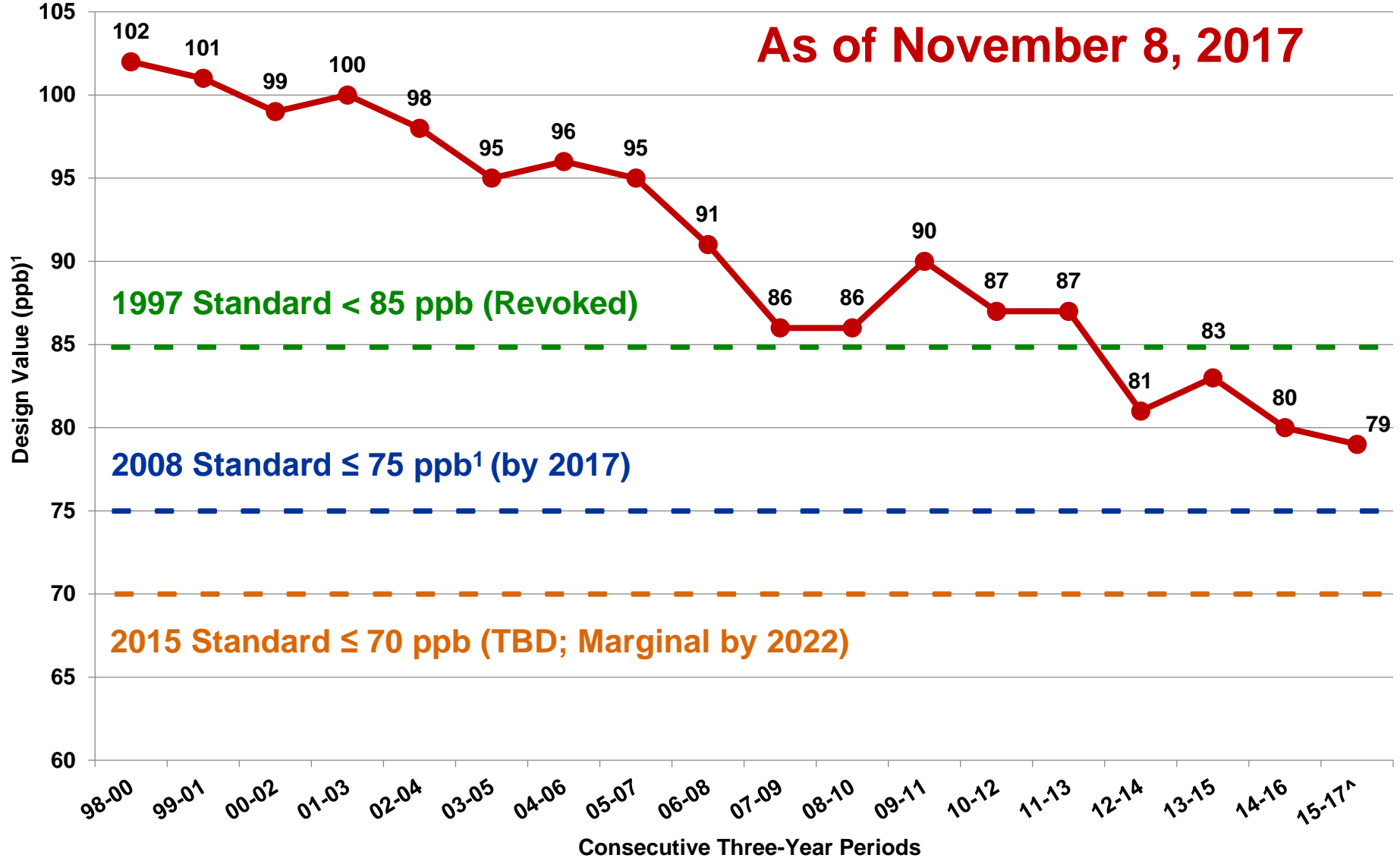
Ozone Season (Year)

^ANot a full year of data.

Source: TCEQ, http://www.tceq.state.tx.us/cgi-bin/compliance/monops/8hr_monthly.pl
ppb = parts per billion

EIGHT-HOUR NAAQS FOR OZONE HISTORICAL TRENDS

As of November 8, 2017



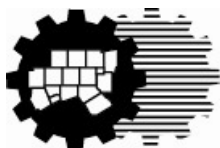
¹Attainment Goal - According to the US EPA National Ambient Air Quality Standards, attainment is reached when, at each monitor, the *Design Value* (three-year average of the annual fourth-highest daily maximum eight-hour average ozone concentration) is equal to or less than 70 parts per billion (ppb).

[^]Not a full year of data.

2017 Clean Diesel Subaward and Call for Projects

**Regional Transportation Council
November 9, 2017**

**Lori Clark
Program Manager**



**North Central Texas
Council of Governments**



Air Quality Emphasis Areas

High-Emitting Vehicles/Equipment



Low Speeds

Idling

Vehicle Miles of Travel

Energy and Fuel Use



Cold Starts

Hard Accelerations

Background

Source: EPA National Clean Diesel Funding Assistance Program

NCTCOG Proposal Recommended for Full Award

Expense Category	Amount
Vehicle/Equipment Replacement Projects	\$2,000,003
NCTCOG Administration*	\$90,709

Benefits Anticipated	5-Year Impacts
Nitrogen Oxides Reductions	96.92 Tons
Particulate Matter Reductions	6.93 Tons

**Up to \$25,000 RTC Local "Backstop" for Staff Administration Approved August 10, 2017
EPA = Environmental Protection Agency*

Project Eligibility

Eligible Entities:

Local Governments

Private Companies who Contract with Local Governments

Must Adopt RTC Clean Fleet Policy or Similar

Eligible Activities	Funding Threshold
Replace On-Road Diesel Trucks	45% Cost if New is Electric
Replace Non-Road Diesel Equipment	35% Cost if New is Powered by Engine Certified to CARB Optional Low-NO _x Standards (Both Natural Gas and Propane Engines Currently Available) 25% Cost for All Others

Proposed Subaward

Denton County Transportation Authority (DCTA) Transit Bus Replacement Project

Background:

Submitted in Response to NCTCOG Solicitation
Commitment to 75% Match Requirement
Detailed in Proposal to EPA

Subaward Details:

\$471,603 for Replacement of 4 Transit Buses
(25% Funding Threshold)
Contingent on Adoption of RTC Clean Fleet Policy

Proposed CFP Details

Balance Available for CFP:

\$1,528,400

Structure:

Modified First-Come, First-Served

Interim Application Deadlines 5 pm Last Friday of Each Month

Competitive Evaluation Within Month

Selection Criteria:

Cost Per Ton NO_x Emissions Reduced

Feasibility/Risk

Multi-Pollutant Emission Reductions

Proposed CFP Schedule

Milestone	Estimated Timeframe
STTC Approval to Open CFP	October 27, 2017
RTC Approval to Open CFP	November 9, 2017
CFP Opens	December 2017
Interim Application Deadlines (for Competitive Evaluation)	5 pm on Last Friday of Every Month Beginning January 26, 2018, Until End of CFP
STTC, RTC, and Executive Board Approval of Recommended Subawards	Monthly from February 2018 Until End of CFP
CFP Closes	January 2019 or When Funds Exhausted, Whichever Comes First
Project Implementation Deadline	December 2019

Extension of Existing CFP

North Texas Airport Emissions Reduction CFP

Background:

EPA Funds Awarded in 2015

Have Been Accepting Applications on Modified First-Come,
First-Served Basis with Monthly Application
Deadlines

Final Deadline Currently December 29, 2017

No Applications Received to Date

Proposal:

Extend Final CFP Deadline to September 2018, or Until
Funds Exhausted, Whichever Comes First

Action Requested

Approval Of:

Subaward to DCTA up to \$471,603 for 4 Transit Bus Replacements

CFP Structure, Selection Criteria, and Schedule

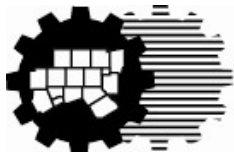
Extend North Texas Airport Emissions Reduction CFP through September 2018

For More Information

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www.nctcog.org/AQfunding



**North Central Texas
Council of Governments**

TRANSIT GRANT FUNDING CLEANUP

ACTION

Regional Transportation Council
November 9, 2017



BACKGROUND

RTC programs funds under Federal Transit Administration (FTA) programs.

When projects do not advance for two years, FTA may act to take back funds.

Funding for several cancelled projects from 2007 through 2015 needs to be reallocated.

Dallas Area Rapid Transit (DART), the Denton County Transportation Authority (DCTA), and the Fort Worth Transportation Authority (FWTA) have requested funding.

AVAILABLE FEDERAL FUNDING

Program	Federal Funding
Congestion Mitigation and Air Quality – Flexed to FTA (2015)	\$4,830,000
Enhanced Mobility for Seniors and Individuals with Disabilities (2013)	\$185,000
Job Access/Reverse Commute (2009, 2011)	\$1,402,000
New Freedom (2007, 2008, 2012)	\$792,000
TOTAL	\$7,209,000

REQUESTED FUNDING

DART

Fare equipment partnership with small and non-traditional providers

Software integration with non-traditional and private provider payment platforms

Taxi vouchers in nine service gap locations

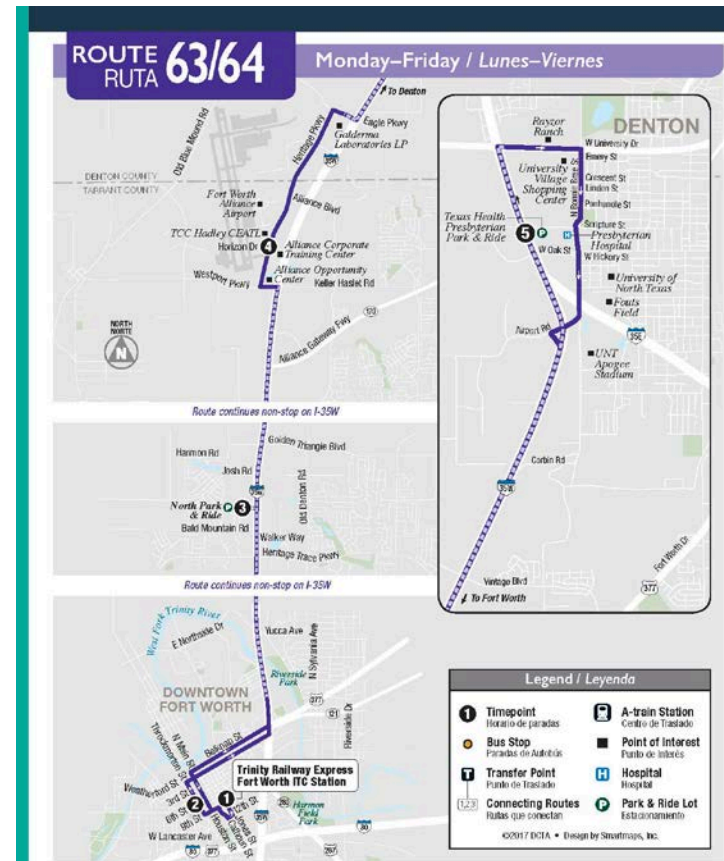
Seven low floor, smaller alternative-fuel vehicles and five 40-foot transit buses



REQUESTED FUNDING, CONT.

DCTA & FWTA Joint Request

Operating assistance and additional buses for express bus connection between Denton and Fort Worth



REQUESTED FUNDING, CONT.

DCTA

Mobility management technology
integration across partner
scheduling software



FWTA

Operating assistance supporting
service in FWTA's North Quadrant
area*



MORE PLACES. MORE PEOPLE.
MORE POSSIBILITIES.

*Project to include connection to Naval Air Station Joint Reserve Base Fort Worth.

PROJECT FUNDING SUMMARY

Agency	Project	Funding Program	Project Type	Federal Funding ²
DART	Fare equipment partnership	Enhanced Mobility	Capital	\$185,000 ¹
DART	Software integration	New Freedom	Capital	\$240,000 ¹
DART	Taxi vouchers	New Freedom	Operating	\$312,000
DART	Buses	CMAQ	Capital	\$3,220,000
DCTA	Mobility management technology	New Freedom	Capital	\$240,000 ¹
DCTA	Express bus connection between Denton and Fort Worth	Job Access/Reverse Commute	Operating	\$227,000
DCTA	Express bus connection between Denton and Fort Worth	CMAQ	Capital	\$1,610,000
FWTA	Express bus connection between Denton and Fort Worth	Job Access/Reverse Commute	Operating	\$587,500
FWTA	North Quadrant bus service	Job Access/Reverse Commute	Operating	\$587,500

¹ Project will retain existing small provider Transportation Development Credits (TDCs) based on scope of project.

² Requires a 50% local match for operating projects. Requires a 20% local match for capital projects or for individual agencies to use their TDCs.

REQUESTED ACTION

Approve funding for projects as shown in Reference Item 5.1

Administratively amend the 2017-2020 Transportation Improvement Program (TIP)/Statewide Transportation Improvement Program (STIP) and other planning/administrative documents to incorporate these changes

QUESTIONS

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Endorsement of Reprogramming of Funds on IH 635 East Phase 3

Regional Transportation Council
November 9, 2017

Michael Morris, P.E.
Director of Transportation



IH 635 East Cross Section

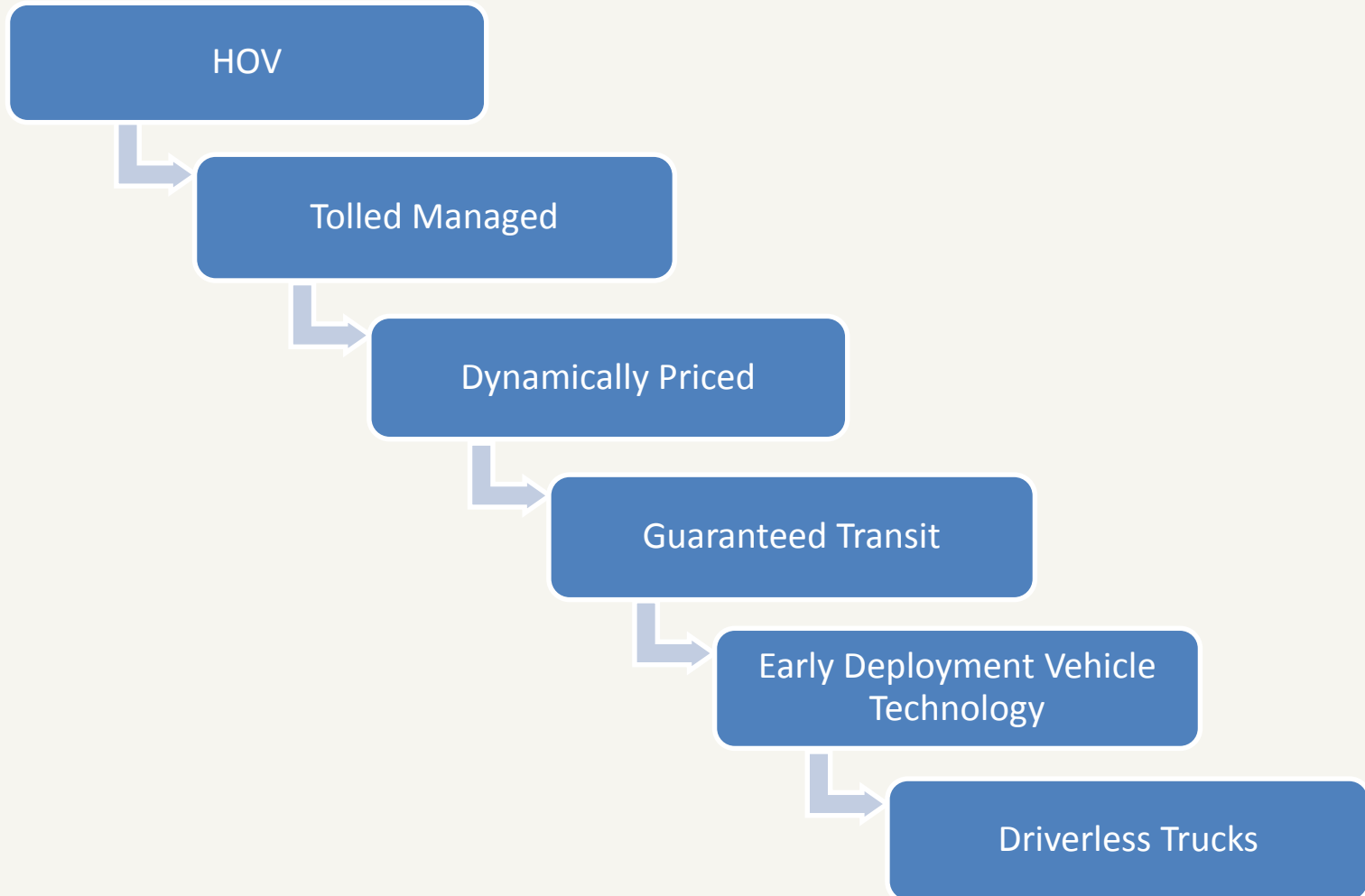




Bedford-Eules Rd
EXIT 3/4 MILE

3029 NORTH
Precinct Line Rd
EXIT ONLY

Evolution of “Managed” Lanes



IH 635 East Phase 3 Action

- Endorse Reference Item 6.1
- Approve Other Action of the Director Requested by the Texas Transportation Commission on this Project
- Support Dallas District in Advancing IH 635 East with the Commission by the End of 2017
- Approve Letter by RTC Chairman Supporting TxDOT Funding Approach
- No Change to RTC Policy 17-1

ALTERNATIVE FUEL CORRIDOR NOMINATION

**Regional Transportation Council
November 9, 2017**

**Lori Clark
Program Manager**



North Central Texas
Council of Governments



Dallas-Fort Worth
CLEAN CITIES

AIR QUALITY EMPHASIS AREAS



High-Emitting Vehicles/Equipment

Low Speeds

Idling

Vehicle Miles of Travel

Energy and Fuel Use

Cold Starts

Hard Accelerations



Dallas-Fort Worth
CLEAN CITIES

BACKGROUND



Section 1413 of the Fixing America's Surface Transportation Act

Secretary Required to Designate Corridors to Improve Mobility of Vehicles Using Alternative Fuels:

- Electric Vehicle (EV) Charging
- Hydrogen
- Propane
- Natural Gas (CNG and LNG)

Benefits of Corridor Designation

- Prioritize Future Fueling Station Investment
- Accelerate Public Interest/Awareness with Signage
- Engage/Collaborate with Volkswagen Settlement
- Qualify for CMAQ Funding Priority (EV and CNG)

CMAQ = Congestion Mitigation and Air Quality Improvement Program;

CNG = Compressed Natural Gas; LNG = Liquefied Natural Gas

FIRST NOMINATION CYCLE



**July 22, 2016:
Nominations Requested**

**August 22, 2016:
Nomination Deadline**

**November 2, 2016:
Initial Designations Published;
Corridors Designated as Signage-
Ready or Signage-Pending**

**December 4, 2016:
Deadline for Initial Designations**

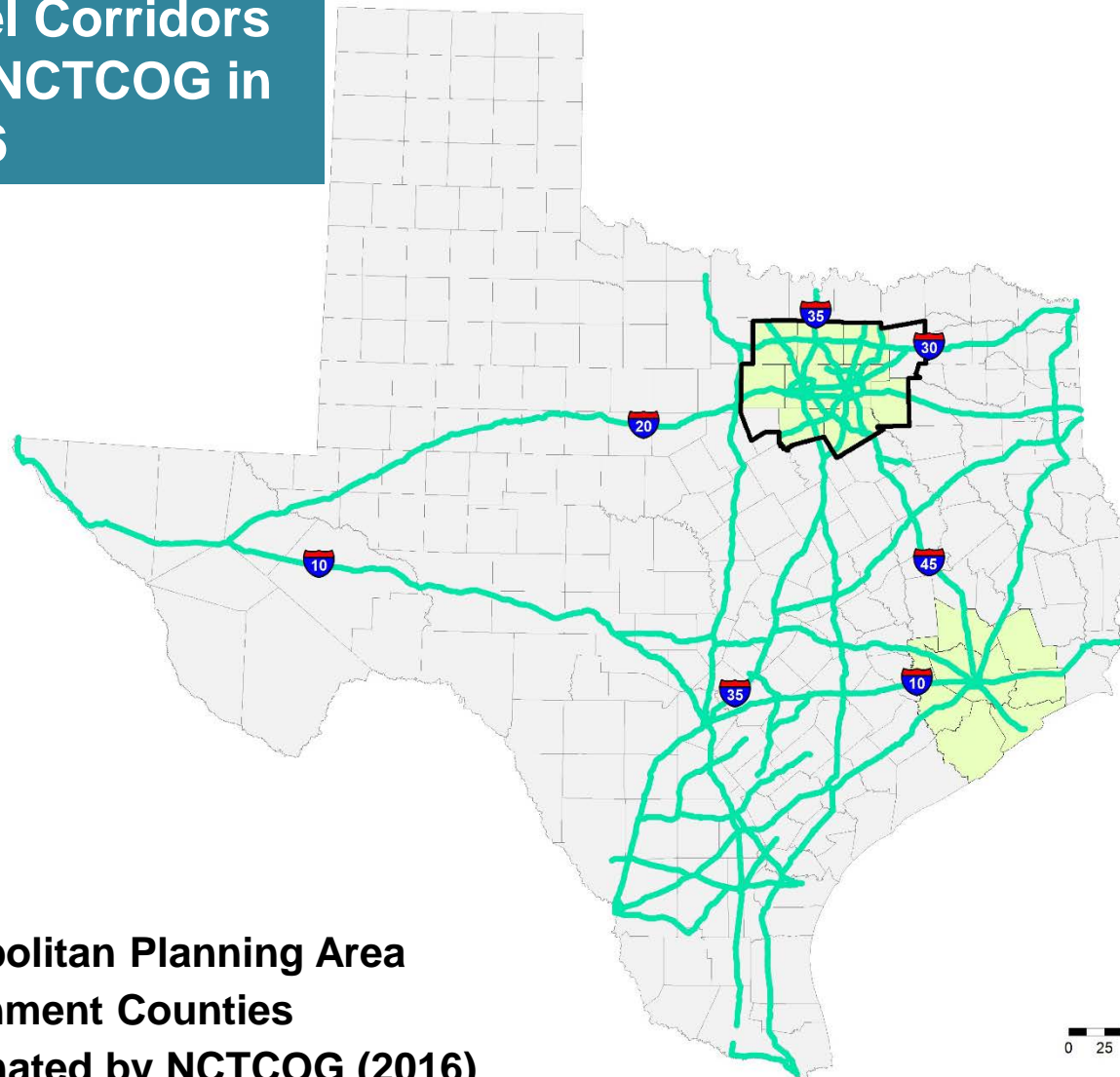
**Nominations
Submitted by
H-GAC,
NCTCOG, and
TxDOT**

NCTCOG NOMINATED ROADWAYS



Dallas-Fort Worth
CLEAN CITIES

Alternative Fuel Corridors
Nominated by NCTCOG in
2016



-  NCTCOG Metropolitan Planning Area
-  Ozone Nonattainment Counties
-  Corridors Nominated by NCTCOG (2016)

0 25 50 100 150 200 Miles

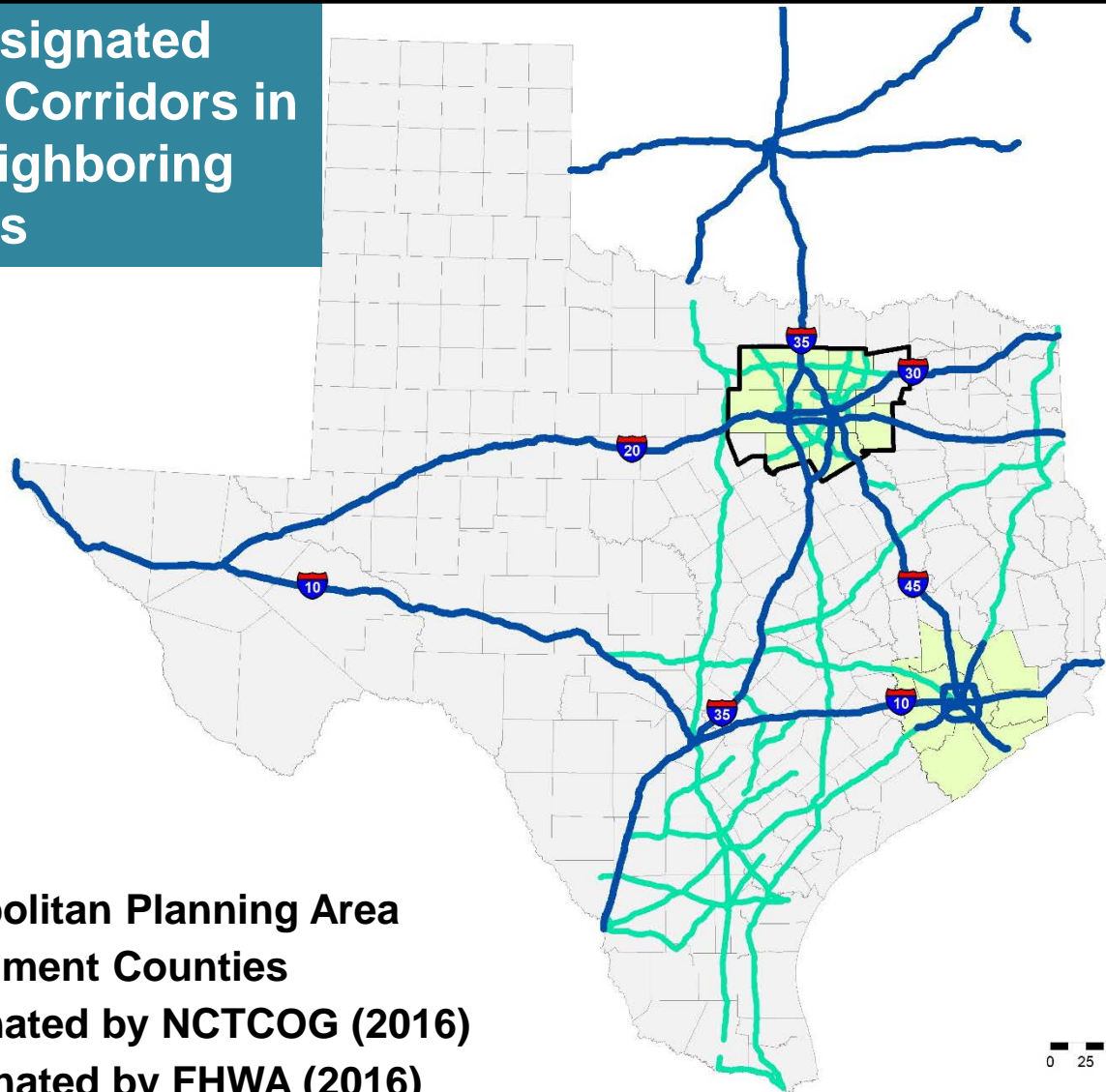
October 2017

FHWA DESIGNATED ROADWAYS

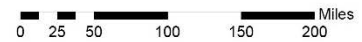


Dallas-Fort Worth
CLEAN CITIES

Currently Designated Alternative Fuel Corridors in Texas and Neighboring States



- NCTCOG Metropolitan Planning Area
- Ozone Nonattainment Counties
- Corridors Nominated by NCTCOG (2016)
- Corridors Designated by FHWA (2016)



October 2017
6

CURRENT NOMINATION CYCLE



Additional Nominations Due November 30

TxDOT Coordinating Submittal

Remaining Interstate System and Metro Loops

Includes IH 635 and IH 820

Willing to Include Non-Interstates if Compelling Case

NCTCOG/RTC Role

Collaborate with TxDOT and Other Regions

Provide Technical Assistance as Needed

Submit Non-Interstate Corridors for Inclusion






US 67, US 75, US 287

PROPOSED NCTCOG ADDITIONS



NCTCOG Proposed Corridor Additions



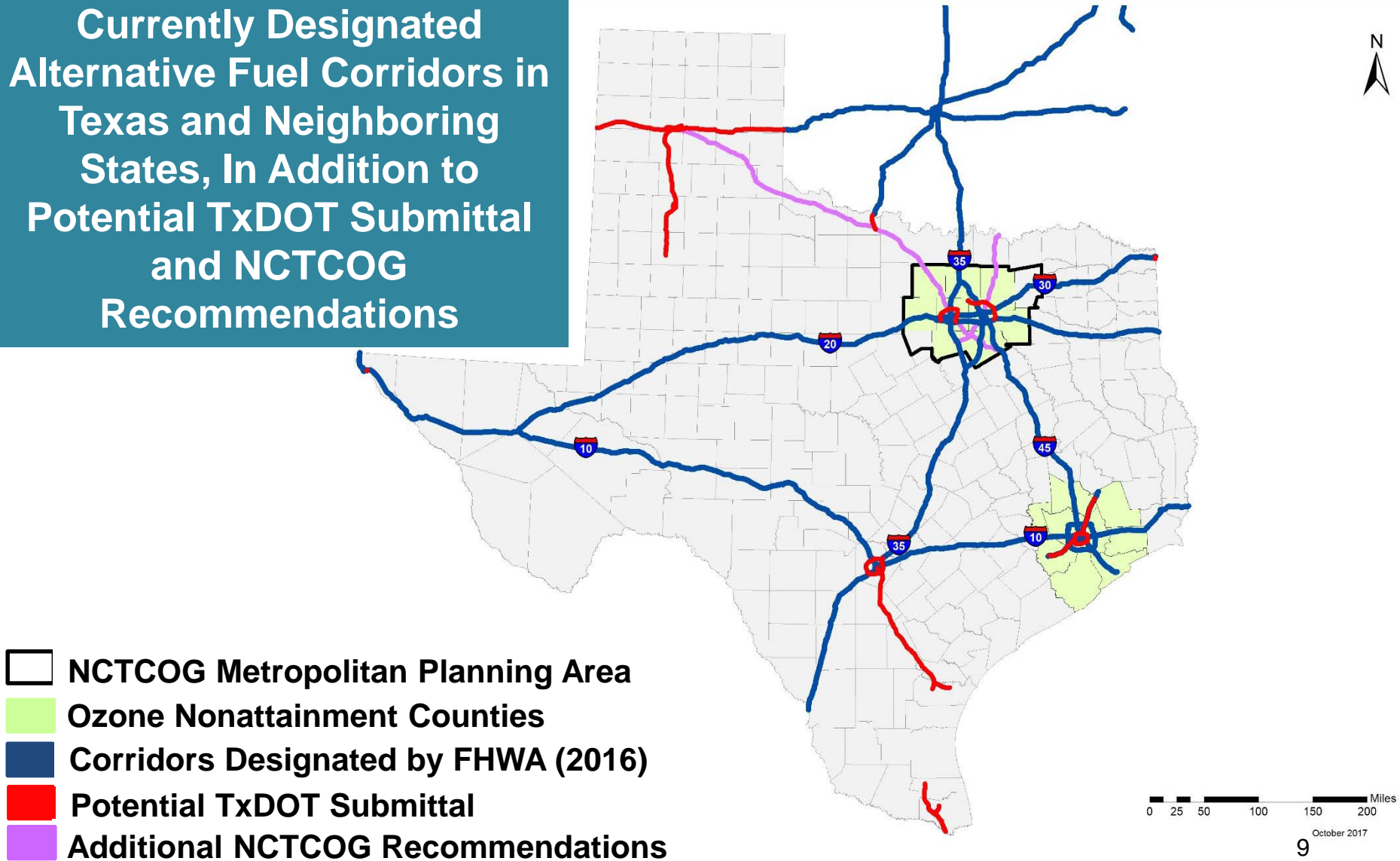
-  NCTCOG Metropolitan Planning Area
-  Ozone Nonattainment Counties
-  Corridors Designated by FHWA (2016)
-  Potential TxDOT Submittal
-  Additional NCTCOG Recommendations

PROPOSED NCTCOG ADDITIONS



Dallas-Fort Worth
CLEAN CITIES

Currently Designated
Alternative Fuel Corridors in
Texas and Neighboring
States, In Addition to
Potential TxDOT Submittal
and NCTCOG
Recommendations



ACTION REQUESTED



Support TxDOT Approach of Submitting Remaining Interstates

Recommend that TxDOT Include Non-Interstate Segments Providing Regional Connectivity

Corridor	Fuel(s)*
US 75 from Dallas to Texas/Oklahoma Border	EV
US 67 from Cleburne to IH 20	CNG
US 287 from Ennis to Amarillo	CNG, EV and Propane

**EV Corridors Expected to Primarily Serve Passenger Vehicles;
CNG and Propane Corridors Expected to Primarily Serve Truck Traffic*

FOR MORE INFORMATION



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“BIG PROJECTS” IN TEXAS

1. Increased Communication With all the Parts of TxDOT Headquarters
2. TxDOT Districts/RTC/Headquarters Review Other Category 12 Projects
3. Importance and History of Fair Share
4. Decision in Winter 2017 or Summer 2018 (LBJ Goes in December 2017)
5. Statewide Funding Partnership and Project Delivery Meeting in January 2018

Performance Measures: Roadway Safety and Transit Asset Management

Regional Transportation Council

Information Item

November 9, 2017

Federally Required Performance Measures

Highway Safety Improvement Program (PM1)

Infrastructure Condition (PM2)

System Performance/Freight/Congestion Mitigation and Air Quality (PM3)

Transit Asset Management

Background

Staff currently uses performance measures as part of a performance-based planning process (e.g., Metropolitan Transportation Plan, Congestion Management Process)

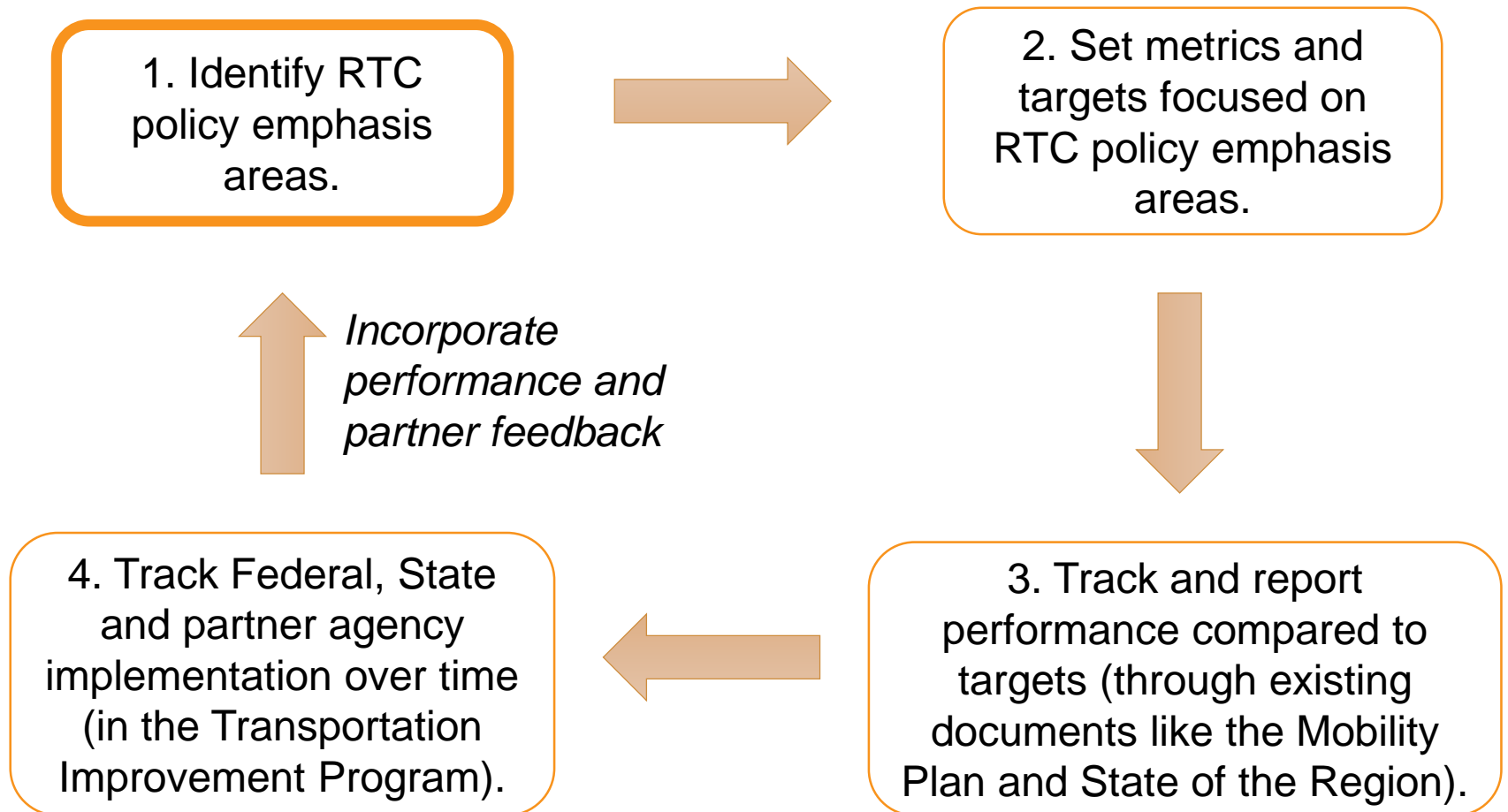
Federal legislation has specified certain quantitative performance measures that must be tracked and reported annually

Generally regional in scale, not intended to inform individual projects

Coordinated with the State and regional partners

Upcoming deadlines for Roadway Safety and Transit Asset Management

Monitoring Transportation System Performance



Roadway Safety

Roadway Safety Performance Targets

- Target: Number of Fatalities
- Target: Rate of Fatalities
- Target: Number of Serious Injuries
- Target: Rate of Serious Injuries
- Target: Number of Non-motorized Fatalities plus Serious Injuries

MPOs may choose to establish their own targets or adopt the State's targets.

Targets are based on five-year averages (2014-2018 for 2018 targets).

TxDOT Safety Performance Target Setting

- Evidence based, data-driven targets are required.
- TxDOT Strategic Highway Safety Plan (SHSP) utilized a data-driven, multi-year, collaborative process to establish safety targets.
- Stakeholder Consensus: Two percent reduction by SHSP Target Year of 2022.
- Two percent Reduction achieved by reducing each intermediate year by:

Year	Reduction
2017	0.0%
2018	0.4%
2019	0.8%
2020	1.2%
2021	1.6%
2022	2.0%

NCTCOG Safety Target Recommendations

Safety Performance Targets	TxDOT 2018 Targets	NCTCOG 2018 Targets
No. of Fatalities	3,704	665
Fatality Rate	1.432	0.96
No. of Serious Injuries	17,565	3,612
Serious Injury Rate	6.74	5.18
No. of Non-motorized Fatalities and Serious Injuries	2,151	560

Targets are based on five-year averages (2014-2018 for 2018 targets) and will be revisited annually.



NCTCOG Safety Projects and SHSP Emphasis Areas

NCTCOG Programs and Projects	TxDOT Strategic Highway Safety Plan Emphasis Areas						
	Distracted Driving	Impaired Driving	Inter. Safety	Older Road Users	Bike/Ped Safety	Rdwy. & Lane Depart.	Speeding
Driver Behavior Social Marketing Campaign	X	X		X	X		X
Inter. Safety Imp. Plan (ISIP)			X	X	X		
Traffic Signal Retiming Prog.			X				
Traffic Signal/Intersection Improvement Prog.			X				
WWD Mitigation Prog.		X	X	X		X	
Traffic Signal Cloud Data	X	X	X	X			
Look Out Texans					X		
Reg. Pedestrian Safety Plan					X		
Technical Training/Workshops	X		X		X	X	
Safety Spot Improvement Prog.					X		
Trans. Alternative Funding					X		
Emerging Technology Investment Prog.	X		X			X	
Freeway Management and HOV Enforcement Prog.	X	X				X	X



Transit Asset Management



Federal Transit Administration Transit Asset Management Categories

Asset Category	Transit Assets in the Region	RTC Policy Emphasis (# of Assets)
 Rolling Stock (transit vehicles)	Eleven types of transit vehicles	Bus (725) Small Bus (341) Light Rail Vehicle (163) Commuter Rail Locomotive (9) Commuter Rail Passenger Car (38)
 Infrastructure (rail track)	Three types of rail track	Commuter Rail Track (75 segments) Light Rail Track (189 segments) Streetcar Track (4 segments)
Equipment (transit support vehicles)	Three types of transit support vehicles	Not a policy emphasis area
Facilities (buildings, stations, park and rides)	Four types of transit facilities	Not a policy emphasis area

Proposed Regional Targets for 2018

Asset Category	Target	Metric
 Rolling Stock (transit vehicles)	0%	Vehicles that meet or exceed the industry standard, defined as the Federal Transit Administration's Default Useful Life Benchmark
 Infrastructure (rail track)	0%	Rail track segments with performance restrictions
Equipment (transit support vehicles)	0%	Vehicles that meet or exceed the industry standard, defined as the Federal Transit Administration's Default Useful Life Benchmark
Facilities (buildings, stations, park and rides)	0%	Transit facilities rated below "Adequate" (3.0) on the industry standard Transit Economic Requirements Model (TERM) scale.

Coordination with Transit Providers

Transit providers set agency targets independently.

Transit provider asset management approaches varied:

- Five different types of metrics;

- Two different targets for buses;

- Five different targets for small buses.

Coordination will continue in order to standardize regional transit asset management approach.

Next Steps for Performance Measures

Next Steps for Roadway Safety and Transit Asset Management

Set baseline for performance with current data.

Track progress towards targets (safety incidents, state of transit assets over time).

Report on progress to regional, State, and Federal partners.

Bring back metrics and targets for RTC emphasis areas annually.

Timeline

Action	Date
STTC Information	October 27, 2017
RTC Information	November 9, 2017
Public Meetings	November 2017
STTC Action	December 8, 2017
RTC Action	December 14, 2017
Target-Setting Deadline: Transit Asset Management	December 27, 2017
Target-Setting Deadline: Roadway Safety	February 27, 2018

Contact

Transit Asset Management

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Update on Texas Innovation Alliance Activities

**Regional Transportation Council
November 9, 2017**

**Thomas J. Bamonte
North Central Texas Council of Governments**



Texas Innovation Alliance

Cities

Universities

TxDOT

Private sector

Near-term focus





“Coming together is a beginning, staying together is progress, and working together is success.”

- Henry Ford

TEAM Tarrant County



Innovate Texas Together | #Open4Innovation

Richard Brooks, MedStar

Phil Dupler, FWTA

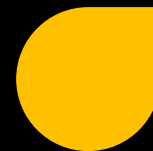
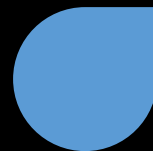
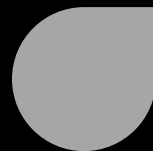
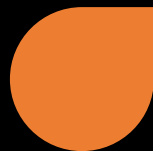
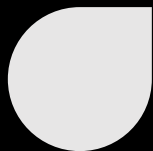
Corey Ershow, Lyft

Nicole Gilmore, HHSC

Sheila Holbrook White, MHMR Tarrant

Scott Rule, JPS Health System

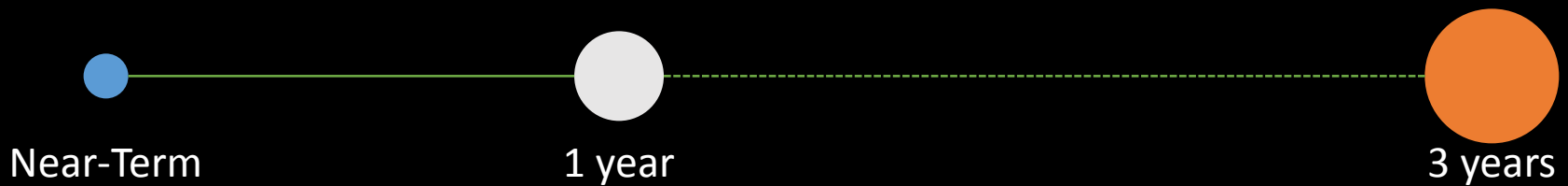
Russell Schaffner, Tarrant County



TEAM Tarrant County



A Better Way - Roadmap



Near Term

- Data coordination opportunities
- Develop outline of regulatory and performance needs
- Aggressive outreach and user input for existing services

1 Year

- Work with healthcare providers to integrate transportation needs into on demand and appointment scheduling
- Streamlined transportation eligibility across providers: One Person, One Form
- Identify legislative remedies
- Support universal payment opportunities

3 Years

- Joint procurement opportunities
- Cost allocation
- Joint demonstration projects to prove concepts



Lauren Isaac



Lyndsay Mitchell



Tom Bamonte



Kelley Coyner



Ann Foss



Alicia Winkelblech



Felipe Castillo



Les Sundra Ford



Joseph Holmes



Hamid Hajjafari

Low Speed Automated Vehicles Arlington/DFW Test Bed



Team Arlington

Texas Mobility Summit - October 17, 2017



Airports



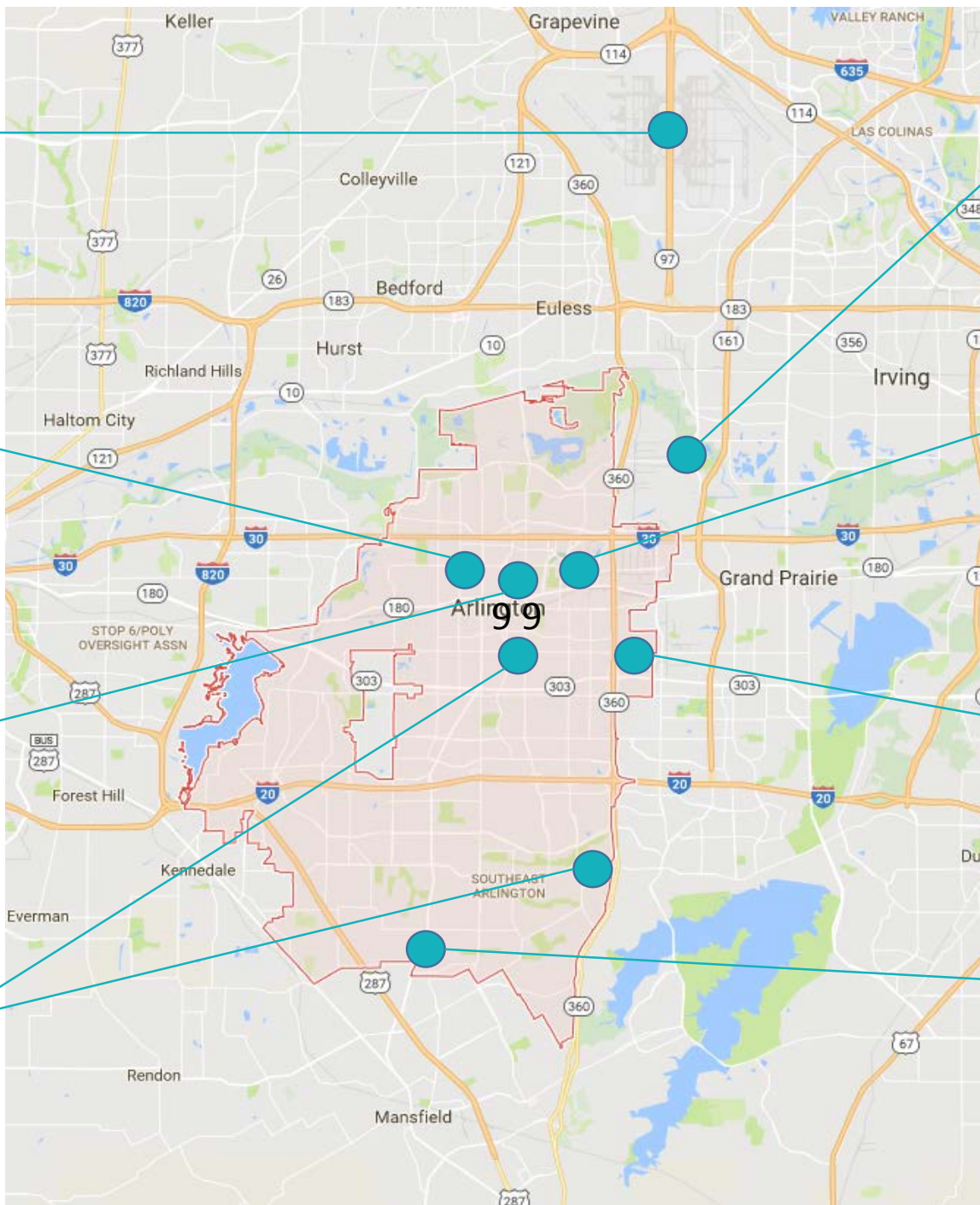
Hospitals



City Centers



Campus



Train Stations



Theme Parks



Industrial Sites



Retirement Homes

Upcoming DFW Events

December 7: Transit agencies AV open house

- “Milo” demo rides
- Workshop on AV impact on public transit

December 8: Workshop: Using Waze data

- Transportation
- Emergency response
- Developer opportunities



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Statewide Automated Vehicle Procurement

**Regional Transportation Council
November 9, 2017**

**Thomas J. Bamonte
North Central Texas Council of Governments**





AV Development Goes Mainstream



ARGO AI

CRUISE



DELPHI

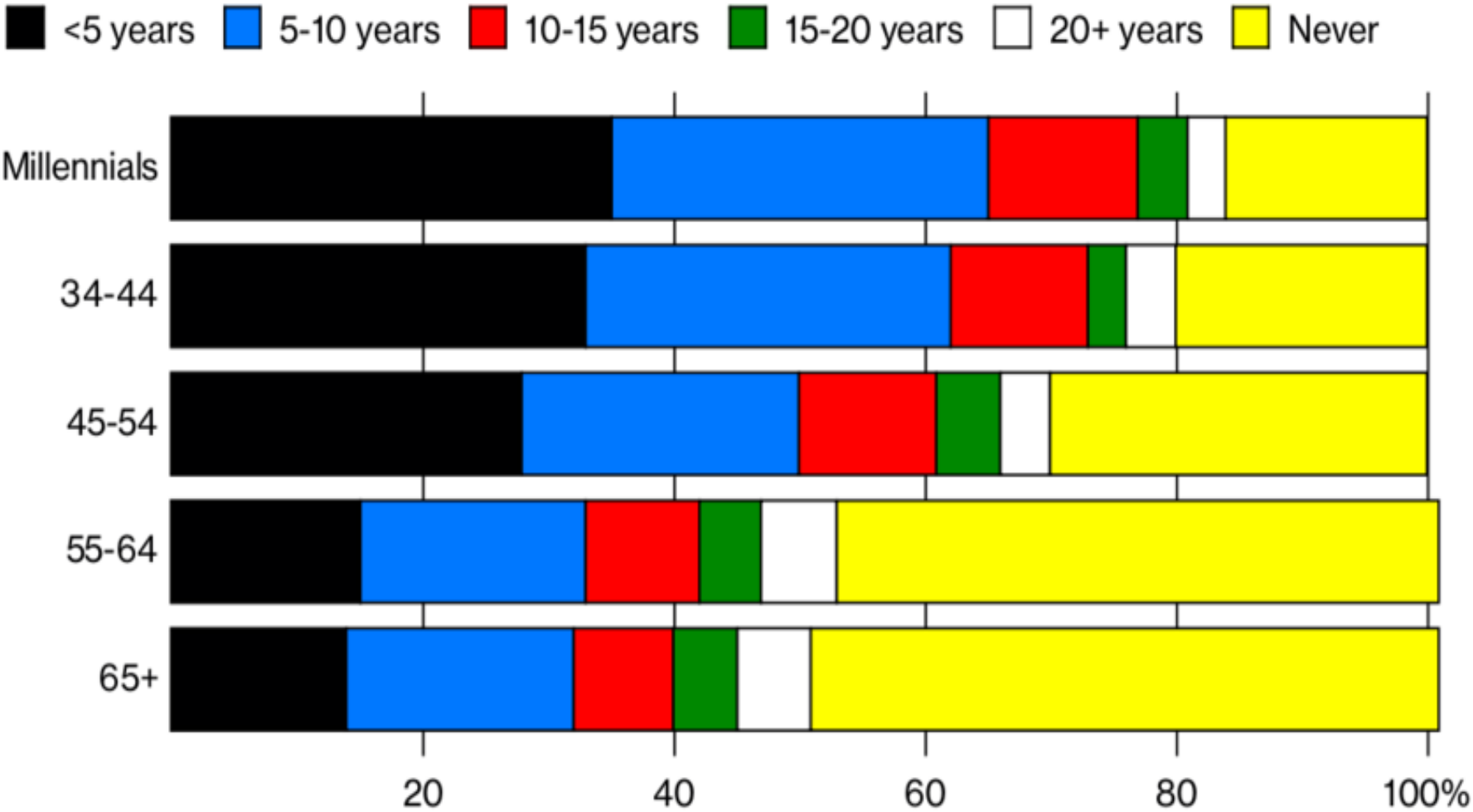


MOBILEYE® 3



Driverless Divergence

When Americans say they'd be willing to buy an autonomous car varies by age group



Note: Numbers may not add up to 100 percent due to rounding

Data: Edmunds; graphic by Bloomberg Businessweek



milo

ARLINGTON
THE AMERICAN BEER CITY



Statewide AV Procurement

Single procurement process

Prequalify pool of AV vendors

Cities/agencies order AVs off the “menu”

Flexibility to structure own contracts

Permissive not mandatory

Contact Information

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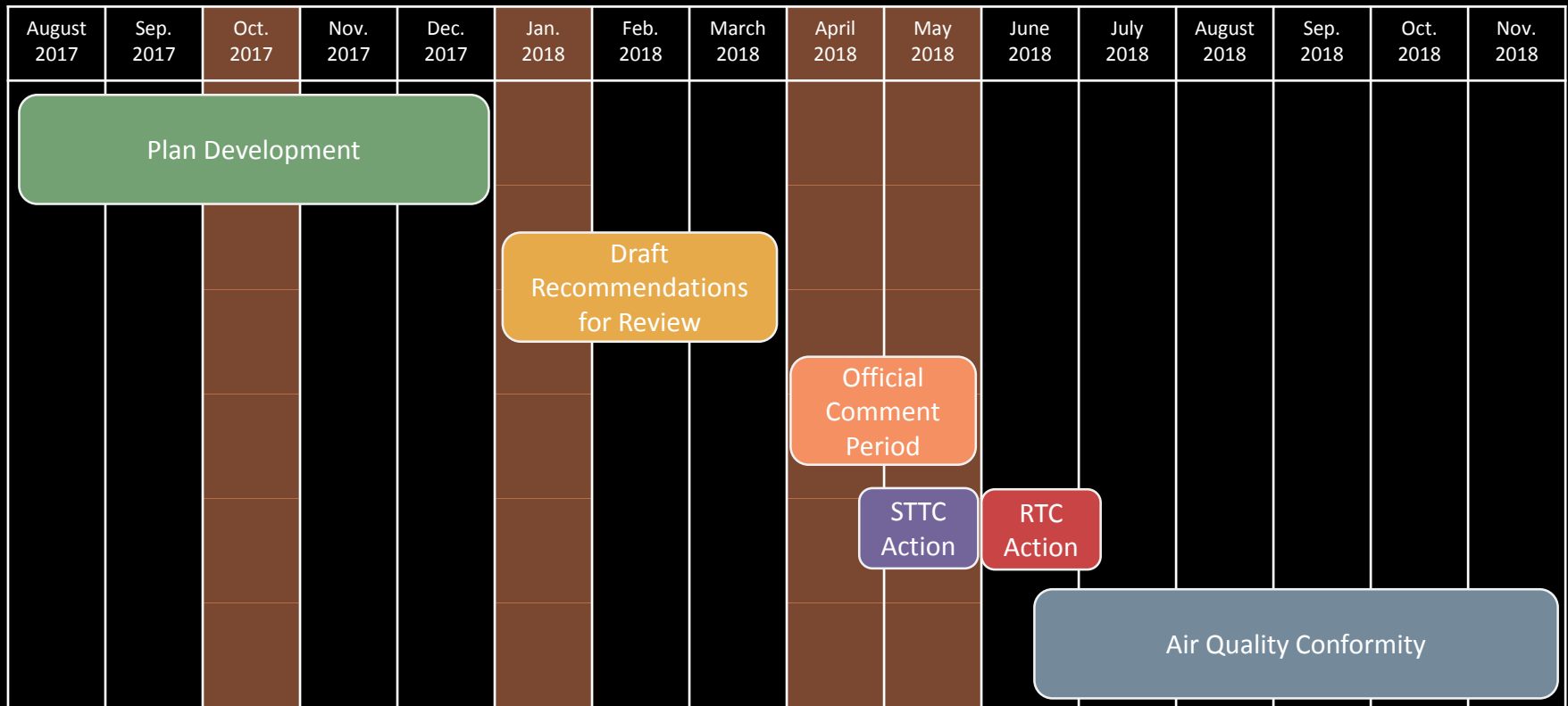
Mobility 2045 Update

Regional Transportation Council

November 9, 2017



Mobility 2045 Schedule



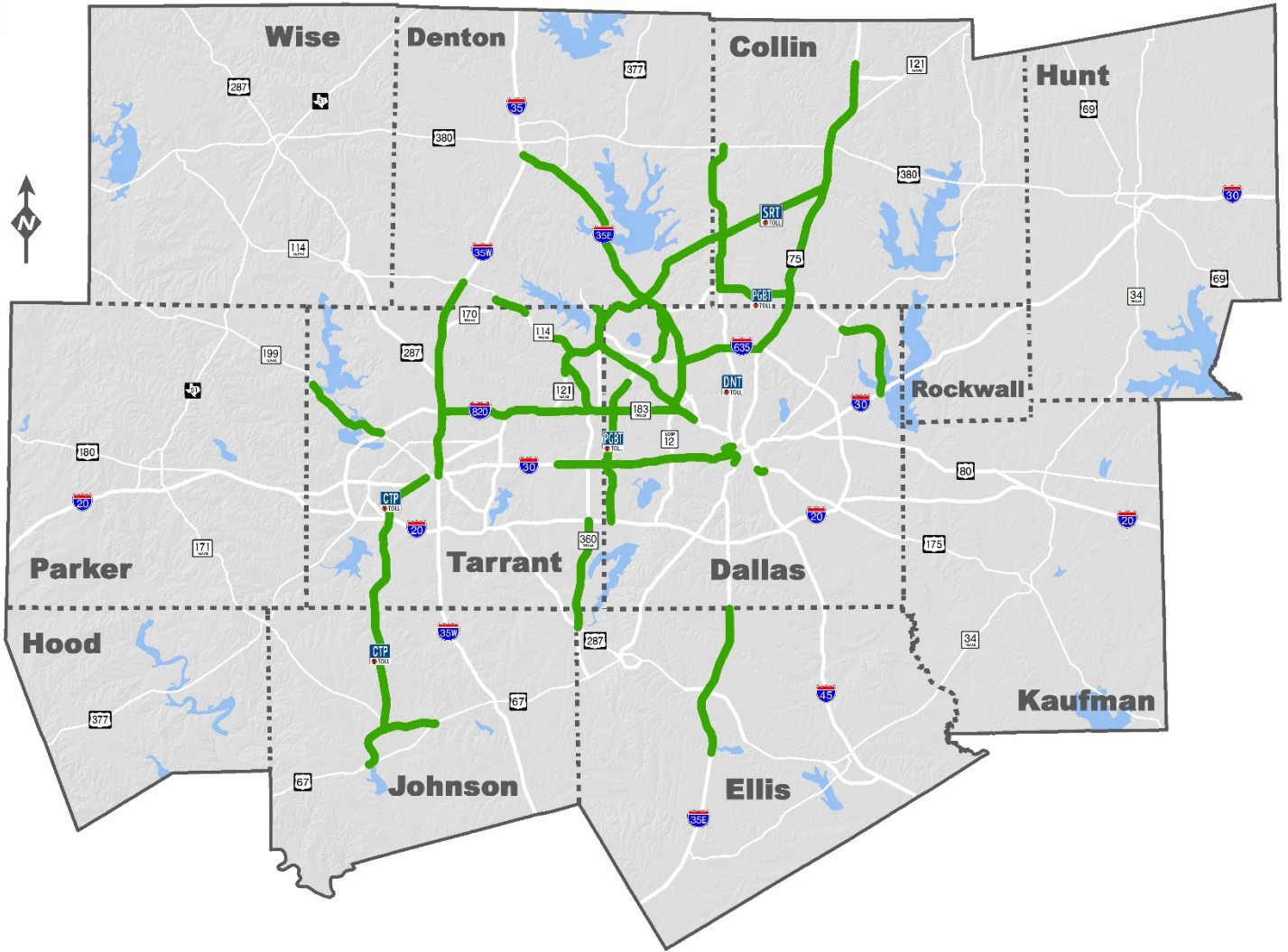
Notes:

- Public meetings held during highlighted months.
- Regional Transportation Council plan adoption scheduled for June 14, 2017.



Funded Major Roadway Projects Since 2000

Major Projects Funded Since 2000



Project Funding Since 2000 (Major Projects): \$27.8 billion

Focus on Connections

To, From, Within

People, Places, Products

HSR

Fort Worth, Arlington, and Dallas

DFW to Houston

DFW to Austin and San Antonio



Focus on Connections

Regional Passenger Rail

Multimodal Connectivity

Frisco Line

Cotton Belt

People Movers

Non-Motorized Connections

Bicycle

Pedestrian

Trails



Focus on Connections

Tolled Managed Lanes System

SH 121

LBJ East

Connectivity through Downtown Dallas

Connect Goods and Services to Markets



Prioritization and Expenditures

DRAFT

		2040	2045 ¹
Maximize Existing System	Infrastructure Maintenance	\$37.4	\$41.3
	Management and Operations	\$7.2	\$7.9
	Growth, Development, and Land Use Strategies	\$3.6	\$3.9
Strategic Infrastructure Investment	Rail and Bus	\$27.2	\$30.0
	HOV/Managed Lanes	\$43.4	\$47.9
	Freeways/Tollways and Arterials	\$43.4	\$47.9

Total Expenditures

\$118.9²

\$131.0²

1 Preliminary estimates to be refined.
 2 Actual dollars, in billions. Values may not sum due to independent rounding.



Possible Technology Policies

Support Open Data Best Practices

“Encourage cooperative sharing of transportation data among public and private sector entities to improve transportation system safety and operations.”

Encourage Cooperation on Wireless Communications Infrastructure

“Encourage implementation of advanced wireless communication infrastructure for efficient and effective transportation system communication services.”



Possible Technology Policies

Encourage Multi-Occupant Ride Sharing

“Support public and private sector ride-sharing services for multiple occupants to minimize congestion.”

Support Automated Vehicle Deployment

“Support automated vehicle deployment to improve transportation system safety and operations.”



Possible Tolled Managed Lane Area

Create an “Island”

Allow Tolled Managed Lanes

Congestion Management Tool

Specific Geography

Toll Roads not Included

Designed to

Maximize System Efficiency Using Toll,
Occupancy, and Other Corridor Management
Strategies Within a Specific Boundary



DRAFT



Possible Tolled Managed Lane Area

Sample Area Selection Criteria

High Corridor Traffic Volumes
(Revenue Offset)

Corridor Congestion Level

System Connectivity

System/Corridor Reliability

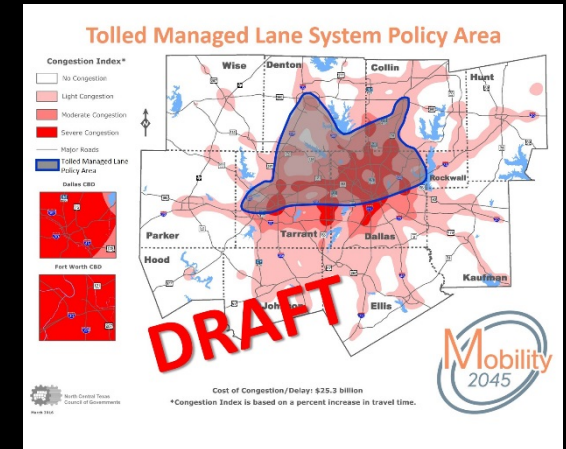
Longer Trip Lengths

Consider Environmental Justice Sensitivity
(Household Income)

Employment Access

High Reliability Access to Regionally Significant Trip
Generators

(Airports)



DRAFT



Tolled Managed Lane System Policy Area

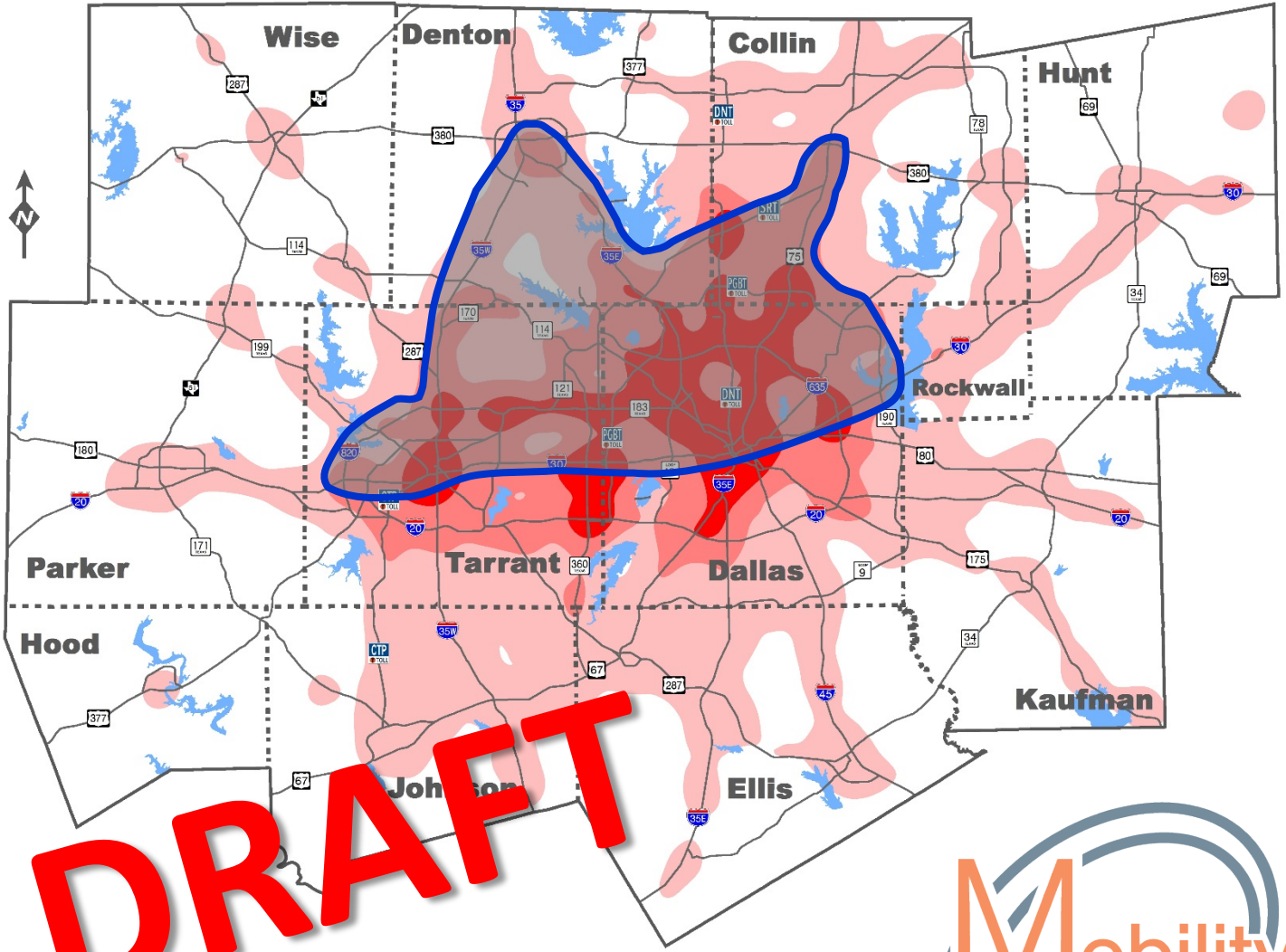
Congestion Index*

-  No Congestion
-  Light Congestion
-  Moderate Congestion
-  Severe Congestion
-  Major Roads
-  Tolled Managed Lane Policy Area

Dallas CBD



Fort Worth CBD



DRAFT



Cost of Congestion/Delay: \$25.3 billion

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

Next Steps

Continue Partner Coordination

Finalize Partner Projects

Continue Financial Forecast Analysis

Provide Monthly RTC Updates

December – Draft Project List

January – Draft Financial Forecast

Conduct Public Meetings in January



Questions

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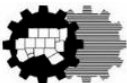


2017-2018 CMAQ/STBG* FUNDING: FEDERAL/LOCAL FUNDING EXCHANGES

Regional Transportation Council

November 9, 2017

*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
- Strategic Partnerships
- 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/Regional Transportation Council (RTC) Approval

= Program Partially Completed

CMAQ/STBG FUNDING PROGRAM: FEDERAL/LOCAL FUNDING EXCHANGES

Description/ Purpose	To increase regional revenues through the exchange of federal funds and local funding. This effort establishes Phase 3 of the RTC/Local program.
Current Requests	<ul style="list-style-type: none"> • DART TRIP Program (Done) • Glade Road/DFW Airport • TRE Local Swap • Kaufman County/City of Terrell
Next Steps	<p>DART TRIP Partnership approval received by RTC in March 2017; need to execute agreement between DART and NCTCOG/RTC.</p> <p>Finalize details on other partnerships & bring back to committees for action.</p>

RTC/LOCAL PHASE 3 PROGRAM

- Through this effort, local funds will be received from agencies through an exchange for federal funds.
- The local funds received through these partnerships will be used to create a Phase 3 of the RTC/Local program.
- The new RTC/Local funds will be used for projects being built to local design standards, air quality projects, and regional programs.
- The intent is to expedite and implement projects not eligible for federal funds or that would be best implemented without federal funds.

TRE LOCAL SWAPS

- Since 2002, the RTC has partnered with cities along the Trinity Railway Express (TRE), Dallas Area Rapid Transit (DART), and the Fort Worth Transportation Authority (FWTA) to implement this program.
- Cities along the TRE that are not members of a transit agency contribute local funds to offset operational costs of the TRE being used by their citizens.
- Historically, to help the region create a regional pool of funds, the funds received from the local entities have gone to the RTC.
- In exchange, the RTC programs federal funds for improvements along the TRE in a 2 to 1 ratio.
- Each city's contribution amount is based on the proportion of vehicles from each city that use the TRE (as determined by a survey of vehicle license plates at TRE stations or via a transit onboard survey).

SUMMARY OF PROPOSED FUNDING EXCHANGES¹

DRAFT

PROJECT	PARTNER(S)	PROPOSED FEDERAL FUNDING	PROPOSED LOCAL FUNDING
Glade Road	DFW Airport	\$5,088,837 ²	\$5,088,837
TRE Local Swap	Cities of Arlington, Bedford, Euless, Grand Prairie, Haltom City, & Hurst; DART & FWTA	\$3,400,000 ³	\$1,680,975 ^{4,5}
FM 148	City of Terrell	\$8,600,000	\$6,674,160 ⁶
	Total	\$17,088,837	\$13,443,972

¹ Funds will not be added to the Transportation Improvement Program (TIP) until an agreement is executed with the partner(s).

² Staff is proposing to use Transportation Development Credits (TDC) in lieu of a local match to maximize the amount of local funds collected.

³ Federal funds would be given to DART and FWTA for improvements to the TRE.

⁴ Partners each pay a portion of this amount determined by a survey conducted by NCTCOG.

⁵ Funding amount is the total to be paid over 3 years (\$560,325 annually).

⁶ Funds would be paid back to the RTC over a period of 15 years through Terrell's Pass Through Finance agreement with TxDOT.

POTENTIAL ADDITIONAL PARTNERSHIP(S)

- NCTCOG staff is working on an additional potential partnership with Haltom City that may be added to this program for either:
 - Broadway Avenue
 - Haltom Road
- Details will be finalized before the next RTC meeting.

TIMELINE

MEETING/TASK	DATE
STTC Information	October 27, 2017
RTC Information	November 9, 2017
Public Meetings	November 2017
STTC Action	December 8, 2017
RTC Action	January 11, 2018
Executive Board – Action to receive and manage local funds	January 25, 2018

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Toll Equity Loan Agreement (TELA) and Return of TELA Fees to NTTA

November 9, 2017

Regional Transportation Council

Ken Kirkpatrick

Background

Two Projects (NTTA “Special Projects System“)

PGBT-WE (SH 183 to IH 20)

Chisholm Trail (IH 30 to Cleburne)

Toll Equity Loan Agreement (2010)

Executed between TxDOT/NTTA

State Highway Fund as a financial backstop

Lowered NTTA financing costs, saved hundreds of millions

Imposed TELA fees after 10 years (approximately \$8M/year)

RTC Policy Position (P10-05, 2010)

Requested NTTA Release TELA as soon as “financially feasible“

Support the waiver or return of any TELA Fees to NTTA

RTC/NTTA executed TELA Fee Return Agreement

Current Actions

NTTA System Bond Refinancings

Strategic Refinancing Plan (\$3.3B since 2014)

Capitalize on lower interest rates, savings of \$467M

NTTA Special Projects System Bond Refinancing (Nov. 1, 2017)

\$2.5B refinancing, savings of \$385M

Combines NTTA System and Special Projects Systems into one

Eliminates need for TELA support and fees

Eliminates RTC obligation to return TELA fees

Termination of TxDOT/NTTA TELA (Nov. 1, 2017)

Termination of RTC/NTTA TELA Return Fee Agreement (Nov. 1, 2017)