2017-2018 BLUE-GREEN-GREY APPLICATION FOR NEW IDEAS

Surface Transportation Technical Committee
January 26, 2018

Emily Beckham, Grants & Contracts Supervisor

North Central Texas Council of Governments

Purpose of Initiative

Focus on 3 Elements:

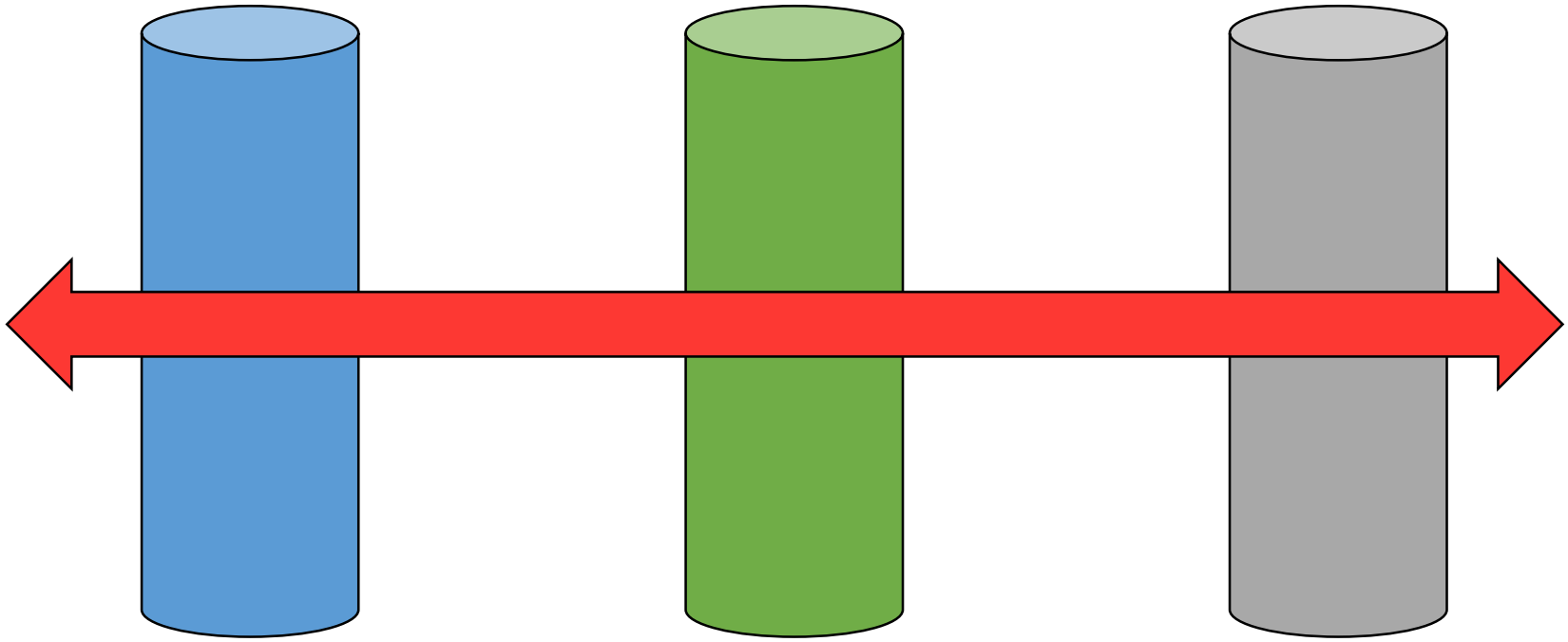
- Blue – Water
- Green – Environment
- Grey – Transportation Infrastructure

Advance Projects or Programs with Innovative Outcomes

Seed Money to Develop Ideas for Full Funding/Implementation

Leverage Funding Available

Silo Busting



Water (Blue)

Environment (Green)

Transportation Infrastructure (Grey)

Project Eligibility

Eligible Applicants

Universities, Cities, Counties, Transit Authorities, Private Firms, Non-Profits, and Individuals

Project or Program Should be Located in 12-County Metropolitan Planning Area

Awarded Projects or Programs Must be Submitted to Implementing Agency or Fully Implemented within 12 months of Notice to Proceed

Evaluation and Scoring Criteria

Category	Scoring (points)	Description
Team Qualifications	10	Team includes the correct mix of experience and expertise.
Impact	30	Project has a long-term effect and ability to change future designs.
Innovation/Significance	30	Project shifts current designs/practices by utilizing new approaches, design, or methodologies. Project addresses three elements (water, environment, transportation infrastructure). Project address an important problem or challenge.
Applicability, Adaptation, Transferability, and Practicality	30	Project could be used in other communities or settings. Project is realistic. Program is consistent with eligible funding programs and Regional Transportation Council objectives.

Recommended Projects

Entity	Project Name	Recommended Funding
City of Southlake	Burney Lane Biofiltration System	$50,000
City of Farmers Branch	Green Bus Stop Design Guidelines	$30,000
Dallas Area Rapid Transit	Community Gardens Hatcher Station Pilot	$29,170
	Total	**$109,170**

Schedule

Milestone	Estimated Timeframe
Announced at Irving Summit	August 2017
Application Published	October 4, 2017
Pre-Application Meeting	October 17, 2017
Final Questions Due	October 20, 20174
NCTCOG Responds to Questions	October 23, 2017
Applications Due	November 3, 2017
Review/Scoring of Applications	November – December 2017
STTC Approval of Awards	January 2018
RTC Approval of Awards	February 2018
Executive Board (Agreement Approval)	February 2018

Action Requested

Recommend RTC Approval Of:

Award to the City of Southlake in the amount of $50,000

Award to the City of Farmers Branch in the amount of $30,000

Award to the Dallas Area Rapid Transit in the amount of $29,170

For More Information

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North Central Texas Council of Governments

REGIONAL TRAFFIC SIGNAL RETIMING PROGRAM AND MINOR IMPROVEMENT PROGRAM

Call for Projects Recommendations

Surface Transportation Technical Committee

Marian Thompson, P.E.

January 26, 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.

2017
Call for Projects
RTSRP

Project Eligibility

- 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

2017
Call for Projects
Minor Improvements

Project Eligibility

- 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

Congestion Mitigation Air Quality 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

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	147	$ 1,127,500	$ 3,073,700	$ 4,201,200

RTSRP Projects Recommendations (Eastern Sub-region)

#	Agency	Project Name	On-System	Off-System	Total Signals
1	Richardson	Spring Valley Rd	2	15	17
2	TxDOT Dallas	FM 544	13	0	13
3	Richardson	Renner Rd	14	21	35
4	Richardson	Belt Line Rd	2	21	23
5	Garland	NW Garland Group	21	57	78
6	TxDOT Dallas	SH 78	11	0	11
7	Richardson	Arapaho Rd	2	19	21
8	Dallas	Midway/Frankford	0	21	21
9	Dallas	LBJ	17	0	17
10	Richardson	Campbell Rd	2	22	24
11	Dallas	Forest/Abrams	4	14	18
12	Dallas	Webb Chapel	2	6	8
13	Garland	Garland	4	21	25
14	Dallas	Walnut Hill	5	22	27
		Total	**99**	**239**	**338**

RTSRP Projects Recommendations (Western Sub-region)

#	Agency	Project Name	On-System	Off-System	Total Signals
1	Arlington	S Cooper St	30	1	31
2	Arlington	S Collins St	17	8	25
3	Arlington	Pioneer Parkway	20	0	20
4	TxDOT Fort Worth	US 377	11	0	11
5	TxDOT Fort Worth	SH 174	11	0	11
6	TxDOT Fort Worth	Southlake Boulevard	15	0	15
7	TxDOT Fort Worth	SH 199	19	0	19
8	TxDOT Fort Worth	US 377	13	0	13
		Total	**136**	**9**	**145**

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

#	Agency	Project Type	# of Projects	Total Amount
1	City of Allen	Communication System Upgrade	1	$50,000
2	City of Carrollton	Add Turning Lane, Detection System	1	$50,000
3	City of Dallas	Radar Detection	20	$860,000
4	City of Garland	Detection Upgrade	1	$17,200
5	City of McKinney	New ATMS Central System	1	$50,000
6	City of Richardson	Video 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 System	3	$150,000
2	City of Fort Worth	Controllers, Cabinets	9	$350,000
3	City of Keller	Communication System	2	$50,000
4	City of Mansfield	Flashing Yellow Arrows, Detection System	5	$37,500
5	TxDOT Fort Worth	Video Detection	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	February 23, 2018
Action - Projects Selected	RTC	March 8, 2018

Mobility 2045 Update

Surface Transportation Technical Committee

January 26, 2018

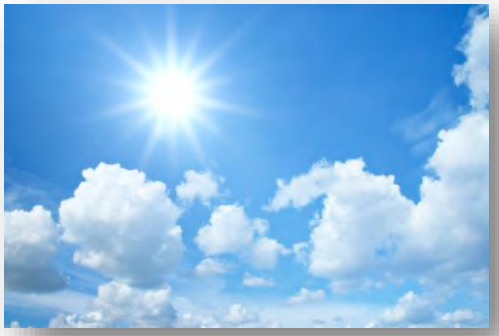
Agenda

Draft Project Recommendations

Draft Policy Recommendations

Draft Financial Plan

Schedule and Next Steps



Mobility 2045 Goals – Categories

Mobility

Quality of Life

System Sustainability

Implementation

Draft Project Recommendations

DRAFT Transit Corridor Projects

Rail

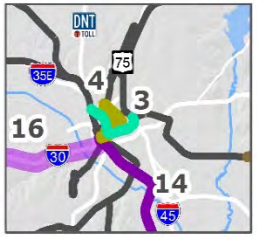
- 1 - Cotton Belt
- 2 - Cotton Belt East Extension
- 3 - Downtown Dallas 2nd Alignment (D2)
- 4 - Dallas Streetcar
- 5 - A-train Extension
- 6 - Frisco Line
- 7 - Mansfield Line
- 8 - McKinney Line
- 9 - Midlothian Line
- 10 - Green Line Extension
- 11 - Cleburne Line
- 12 - Southwest TEX Rail
- 13 -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

High-Intensity Bus

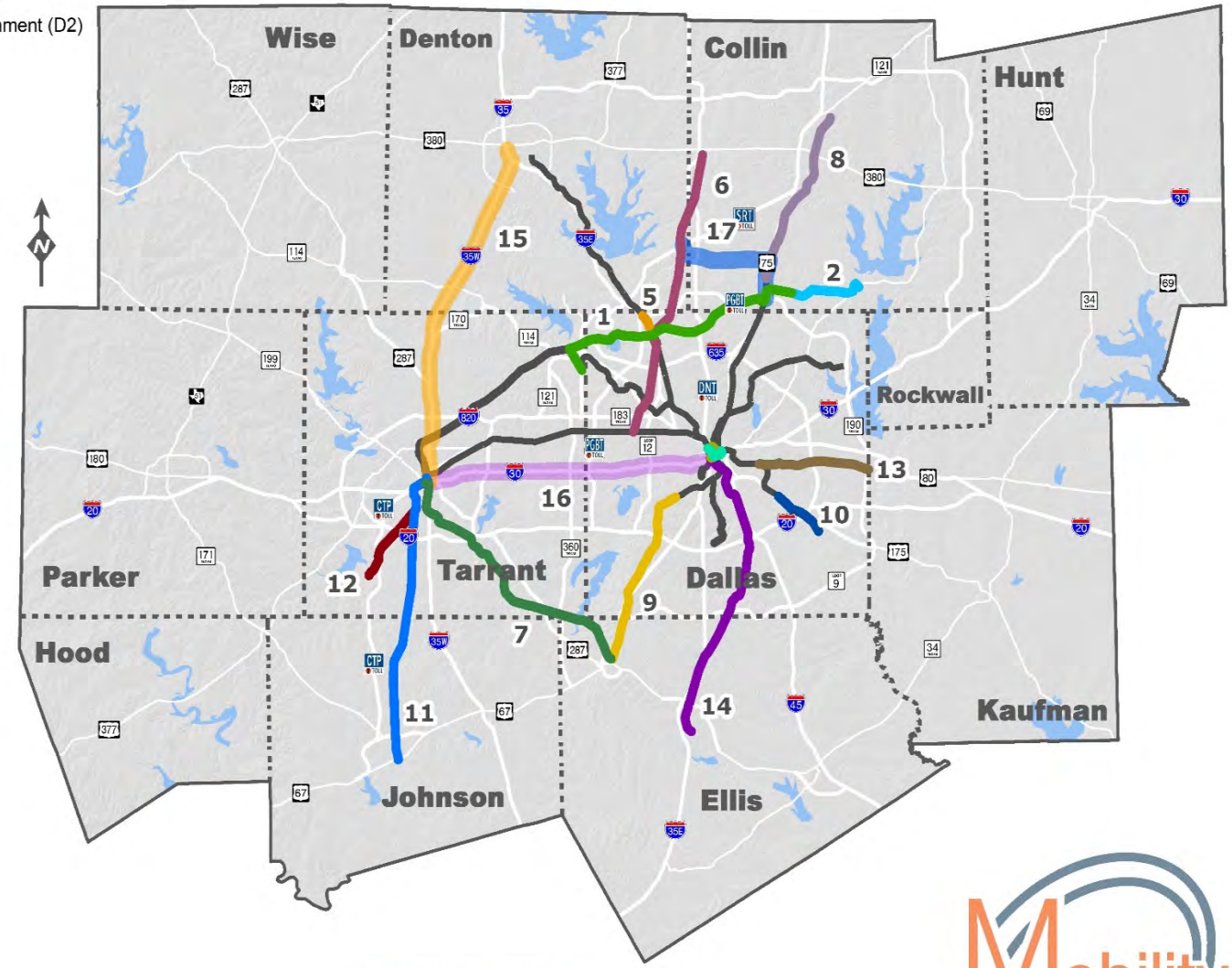
- 15 - IH 35W Express
- 16 - IH 30 Express
- 17 - Spring Creek Parkway

Existing Rail

Dallas CBD



Fort Worth CBD



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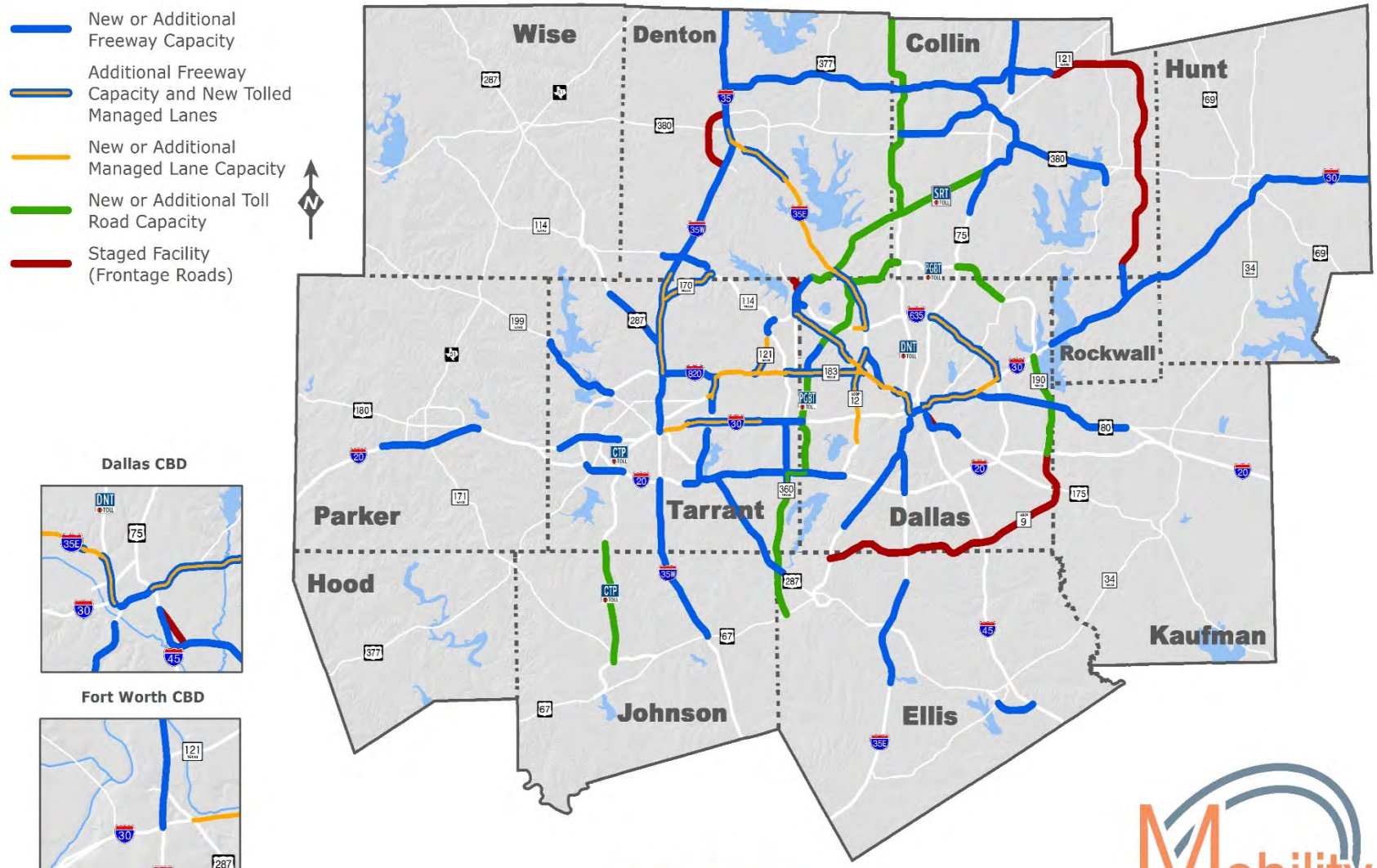
Facility recommendations indicate transportation need. Corridor-specific alignment, design, and operational characteristics will be determined through ongoing project development.

Mobility 2045

North Central Texas Council of Governments

December 2017

Major Roadway Recommendations

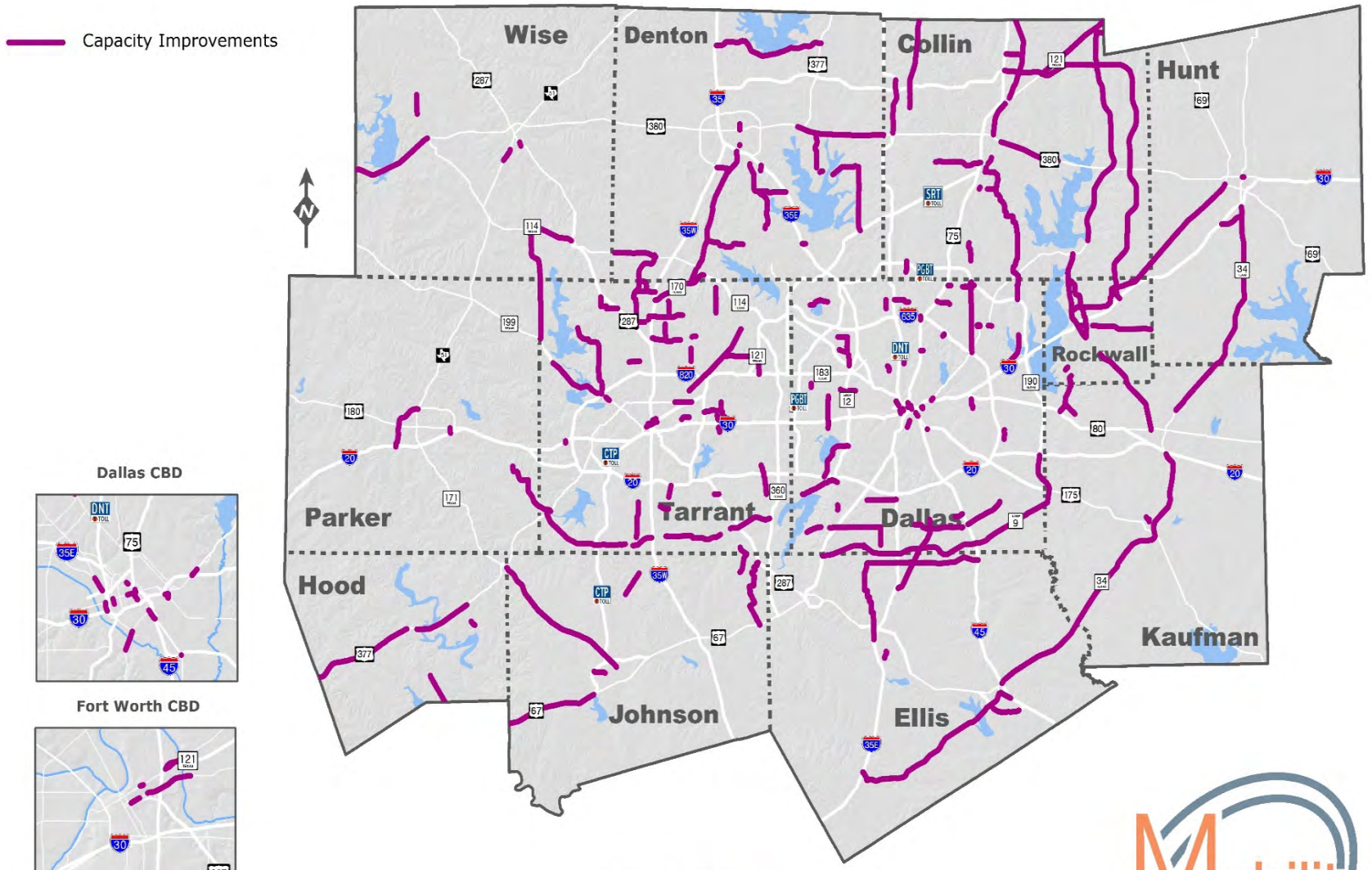


North Central Texas Council of Governments

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

January 8, 2018

Major Arterial Recommendations



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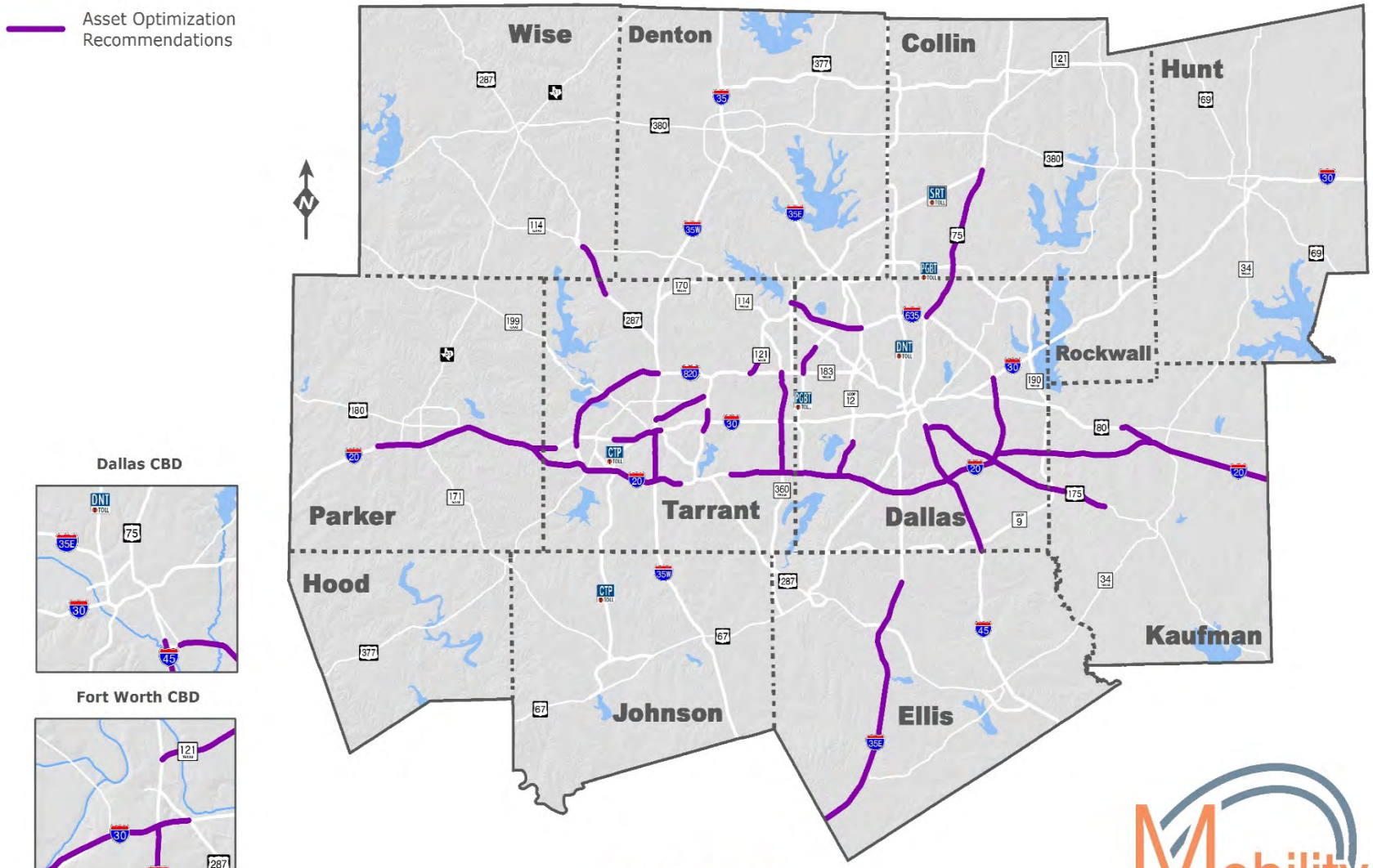
Facility recommendations indicate transportation need. Corridor-specific alignment, design, and operational characteristics will be determined through ongoing project development.

North Central Texas Council of Governments

Mobility 2045

January 2018

Asset Optimization Recommendations

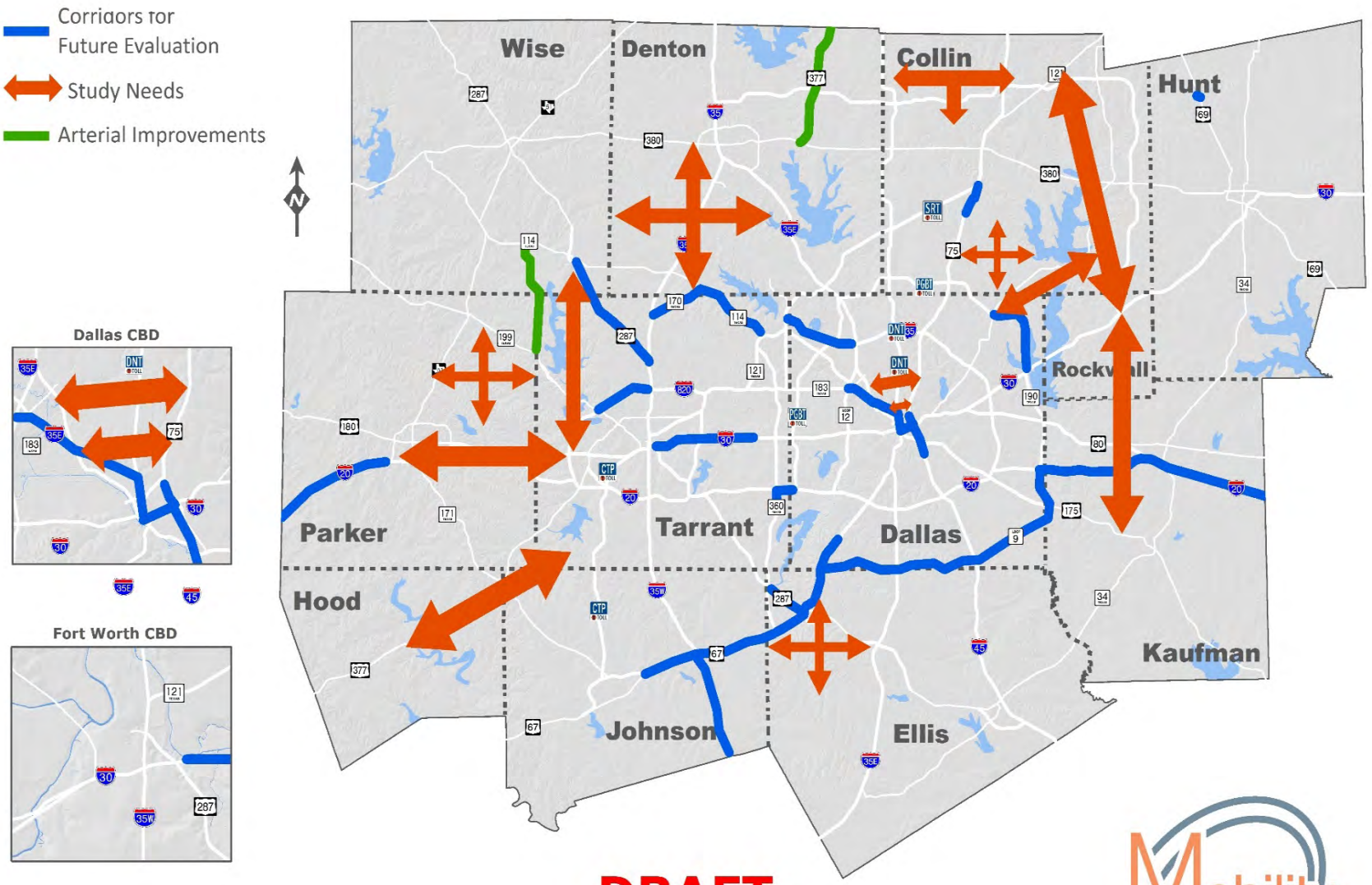


Mobility 2045

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.

Illustrative Roadway Corridors for Future Consideration



DRAFT

Illustrative roadway corridors 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.

Mobility 2045

North Central Texas Council of Governments

January 2018

Draft Policy Recommendations

Proposed Policy Additions

Technology

- Support Open Data Best Practices
- Support Automated Vehicle Deployment
- Encourage Multi-Occupant Ride Sharing
- Support Transportation Communications Network Development

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

Asset Optimization

- Resiliency
  - Develop Strategies to Address Vulnerabilities
- Roadway Maintenance
  - Support Asset Management Policies

Proposed Policy Additions

General

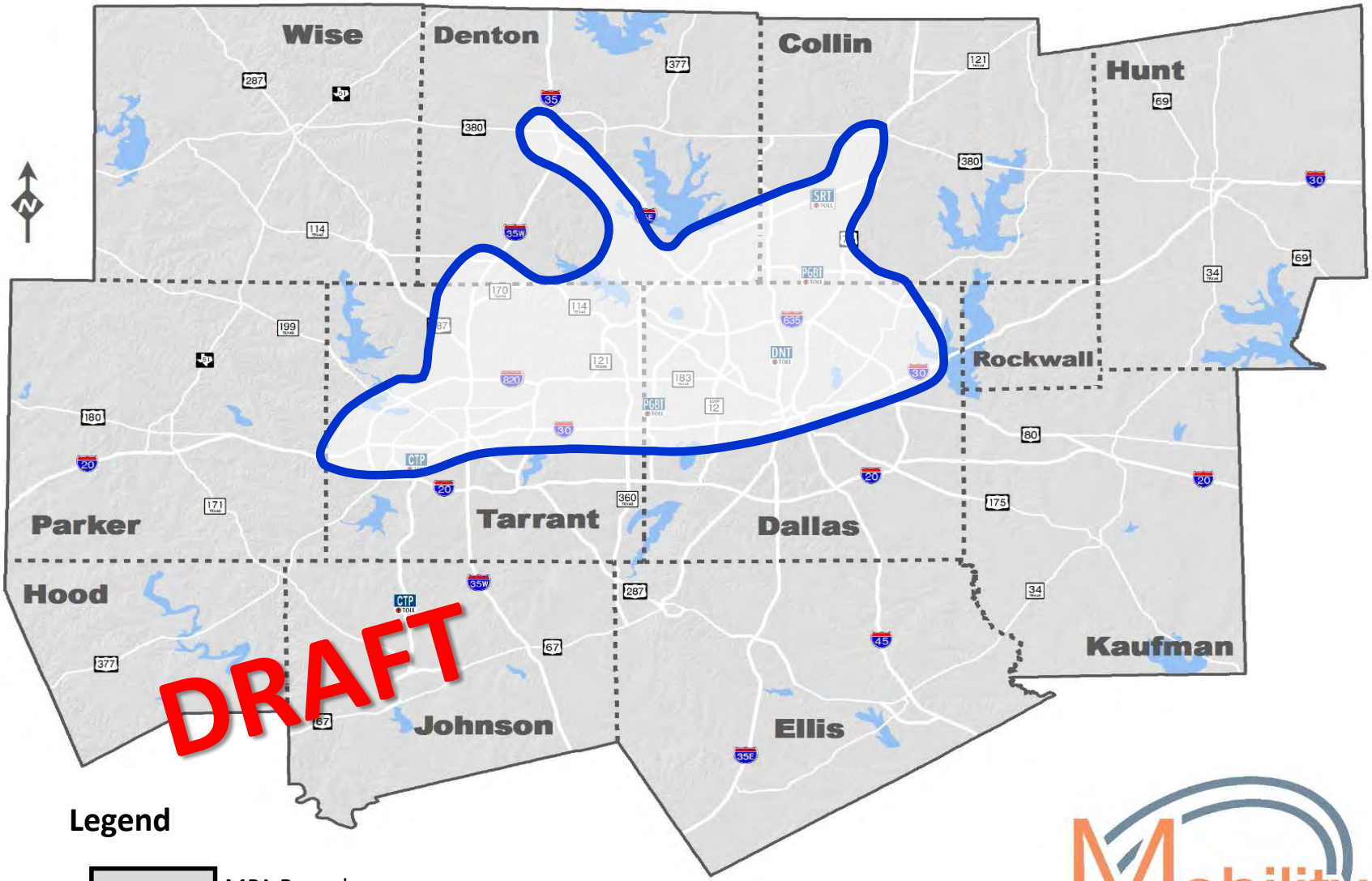
Support Ability to Modify Mobility Plan for Emergency Operational Improvements

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

Managed Toll Lanes

Support Implementation within a Tolled Managed Lane Policy Area

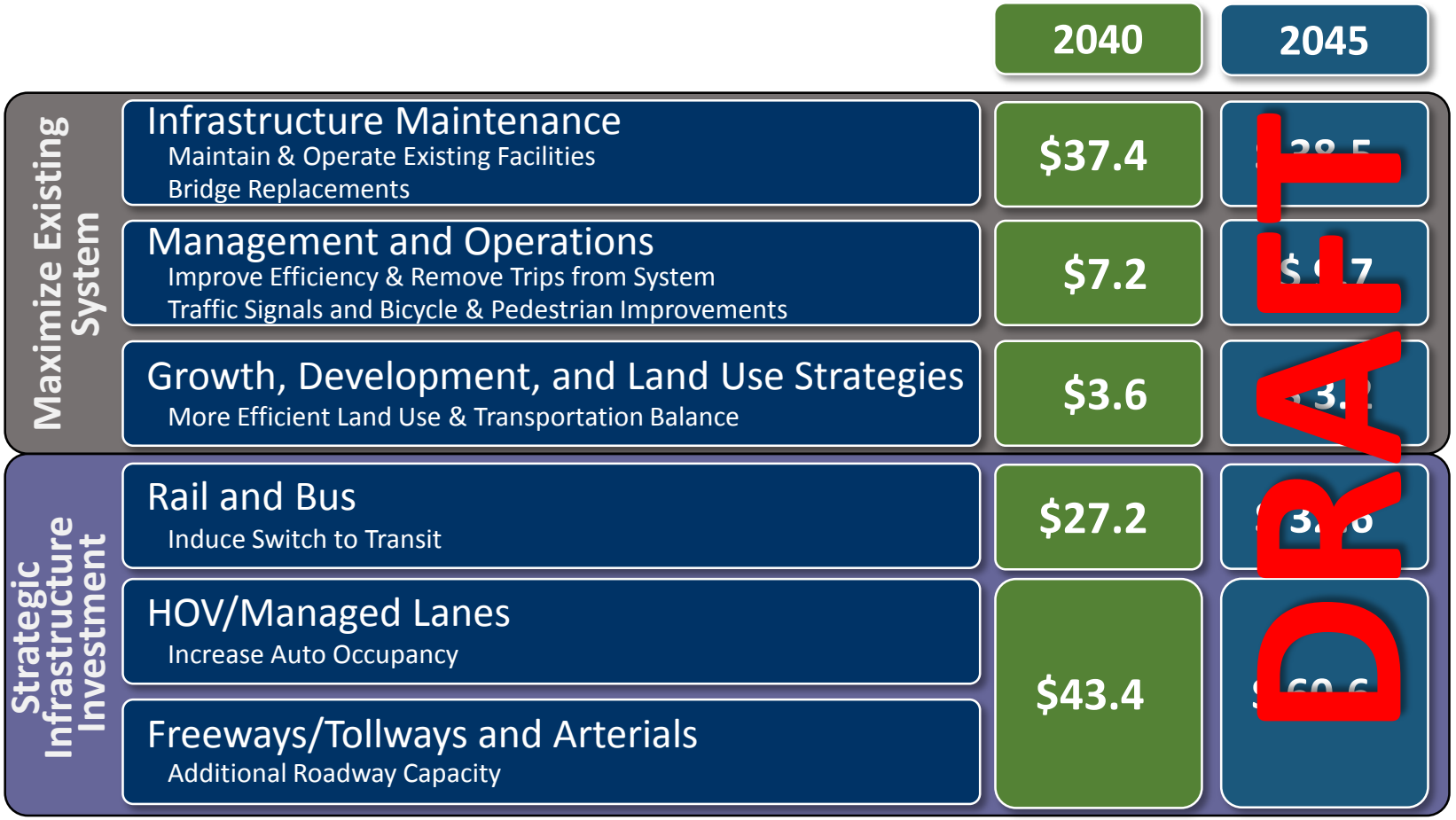
Proposed Tolled Managed Lane Policy Area



Mobility 2045

Draft Financial Plan

Prioritization and Expenditures

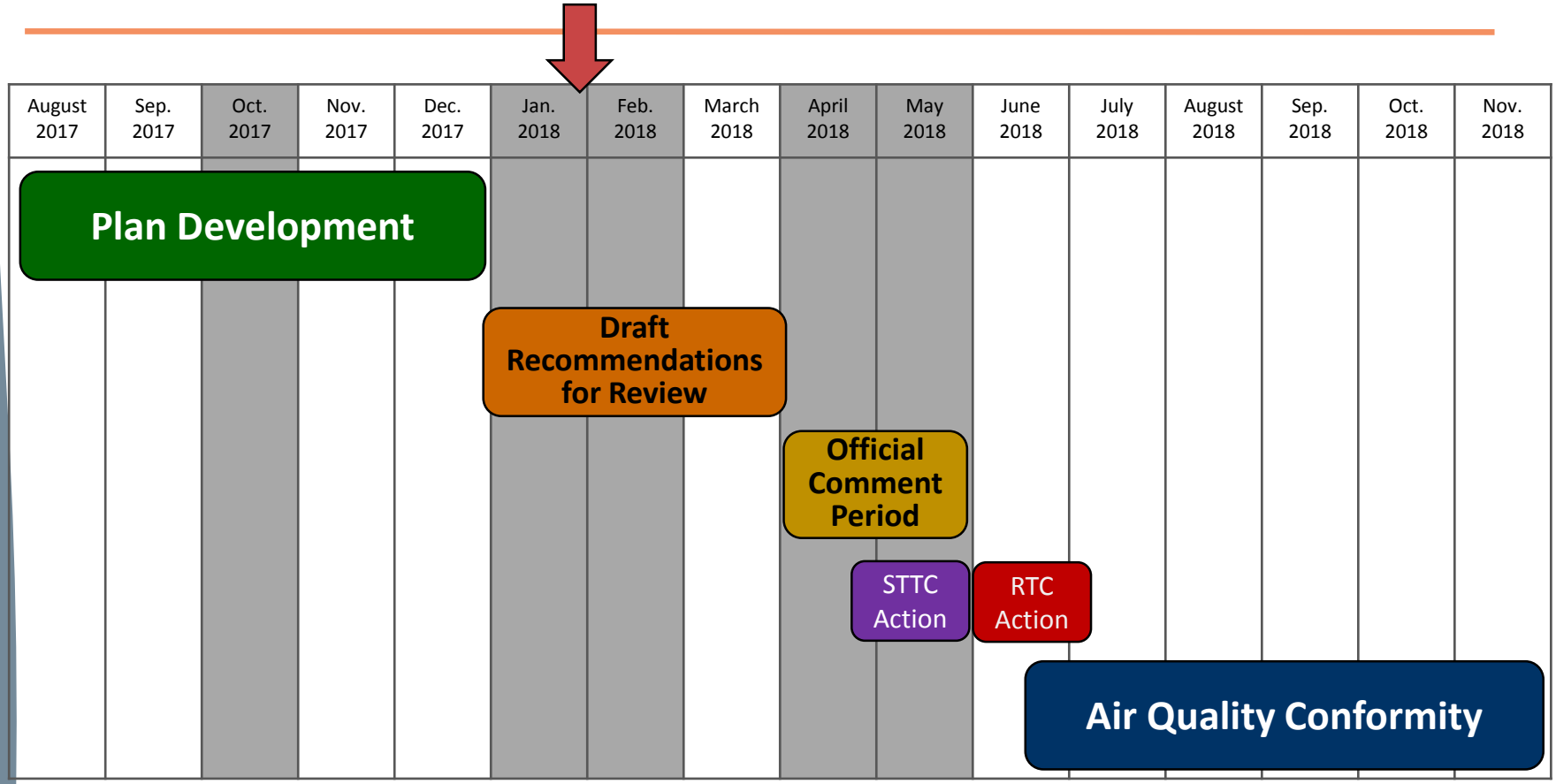


[1] Actual dollars, in billions. Values may not sum due to independent rounding.

Total Expenditures	$118.9[1]	$ 144.6±

Schedule and Next Steps

Mobility 2045 Schedule



Notes:

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

Next Steps

RTC Workshop in February

Revise Recommendations

Public Comment Period – April and May

Review and Action

- STTC – May 25
- RTC – June 14

Questions?

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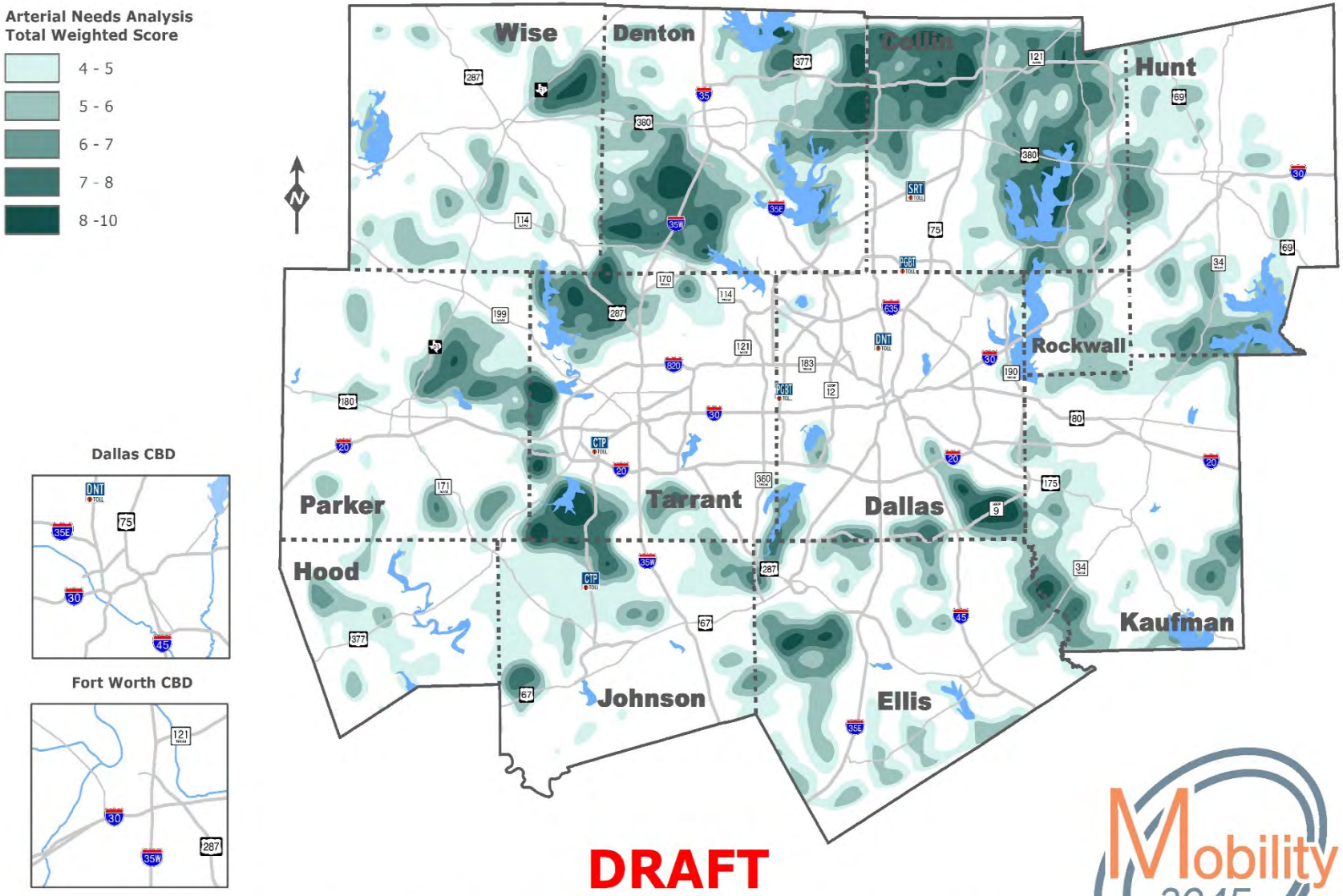
Financial Plan Requirements

- Use All "Reasonably Expected" Sources
- Year of Expenditure Dollars
- Must be Financially Constrained
- Balance Priorities with Available Resources

Existing Arterial Network Deficiency Areas



Shaded areas are not project recommendations. These areas have population/employment growth, congestion, and deficiencies in the existing arterial network that may warrant further study for arterial improvements. Higher scores depict areas of greater arterial need. Maximum possible score is 10.

North Central Texas Council of Governments

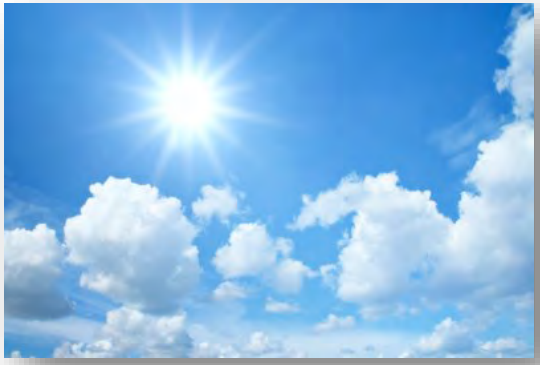
Mobility 2045

December 5, 2017

Draft Program Recommendations

Proposed Mobility 2045 Programs

Air Quality



- Communication
- Demonstration
- Enforcement
- Partnerships and Collaborations
- Air Quality Regional Policies
- Technology Improvements
- Technology Planning and Analysis

Proposed Mobility 2045 Programs

Sustainable Development

- Land Use-Transportation Connections
- Community Schools and Transportation
- Transit-Oriented Development
- Sustainable Development Funding

Travel Demand Management

- Employer Trip Reduction
- Regional Vanpool
- Park-and-Ride Facilities
- Transportation Management Associations

Proposed Mobility 2045 Programs

Transportation System Management

- Intersection Improvements
- Traffic Signal Improvements
- Bottleneck Improvements
- Intelligent Transportation Systems Implementation
- Advanced Traveler Information System
- Special Events Management
- Regional ITS Architecture
- Advanced Traffic Management System Implementation

Proposed Mobility 2045 Programs

Transportation System Management (cont.)

- ITS Interoperability
- Advanced Public Transportation System Implementation
- Bottleneck Program for Regional Corridors

Transportation System Safety

- Freeway Incident Management
- Regional Mobility Assistance Patrol
- Regional Safety Information System
- Safety Education and Training
- Crash Casual Road Factors

Proposed Mobility 2045 Programs

Transportation System Security

- Improvements, Expansion, Management, Ops
- Transportation and Emergency Responder Uniform Communications System
- Transportation Security Education and Training
- Regional Response Plan Development

Active Transportation

- Planning and Design
- Network Implementation
- Education and Outreach
- Data Collection

Proposed Mobility 2045 Programs

Aviation

- Surface Access Planning
- Data Collection and Performance Tracking
- Continuous Aviation System Planning
- Encroachment Prevention and Compatible Land Uses
- Integrated Aviation Education System
- Coordinate Unmanned Aircraft Systems

Automated Vehicle and Technology

- Autonomous Vehicles in DFW
- Autonomous Vehicle Data Infrastructure
- Leverage Autonomous Vehicle Sensor Data
- New Vehicle Types

Proposed Mobility 2045 Programs

Natural Environment

Data Collection and Resource Agency Consultation

- **Freight**
  - Data Collection
  - Freight System/Network Planning
    - Highway/Rail Freight Safety
    - Freight Rail Improvements
    - Hazardous Materials Routing
  - Freight Outreach Activities
  - Land Use Planning

Proposed Mobility 2045 Programs

Public Transportation

- Community Access Transit
- Last-Mile Transit Connections
- Regional Connections: Next Generation Transit
- State and National Transit Connections
- Transit Enhancements & Mobility Improvements

Roadway

- Regionally Significant Arterials
- Non-Regionally Significant Arterials

Proposed Policy Revisions

- **Cotton Belt**
  - Update Policy to Reflect Progress and 2045
    - Progress Toward Expediting Passenger Rail Within 4-years Noted
    - Revises References to Include 2045 Horizon Year

2017-2018 CMAQ/STBG* FUNDING: SUSTAINABLE DEVELOPMENT: PHASE 4

Surface Transportation Technical Committee

January 26, 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

CMAQ/STBG FUNDING PROGRAM: SUSTAINABLE DEVELOPMENT PHASE 4

Description/ Purpose	To support sustainable development initiatives by providing funds for Turnback Partnerships, Context Sensitive Design, and TOD projects.
Current Requests	• Downtown Weatherford Turnback • Harwood Road in Bedford • Lewisville Turnback (Mill St./FM 1171) • Main Street in Crowley • SH 356 Couplet Turnback in Irving • Park Lane/Vickery Meadow in Dallas
Next Steps	Coordinate with partnering agencies and TxDOT. Anticipate action in Summer or Fall 2017.

SELECTION CRITERIA

- When selecting projects, the following criteria were taken into account by staff:
  - Partnership in TxDOT's Turnback Program (local governments take control of the facility and it is removed from the State system)
  - Opportunities for redevelopment
  - Payback mechanisms if applicable (Tax Increment Finance (TIF) Districts, Public Improvement Districts (PID), etc.)
  - Inclusion of context-sensitive design elements
  - Inclusion of transit-oriented development (TOD) elements
  - Inclusion of pedestrian-friendly streetscape elements

PROPOSED FUNDING BY AGENCY

DRAFT

PROJECT	AGENCY	PROPOSED RTC FUNDING[1]
SH 356/Irving Blvd.	City of Irving	$12,000,000
US 180 (Northern Loop)	City of Weatherford	$11,552,000
Bus 287/Ennis Avenue at UP Railroad	City of Ennis	$9,000,000
DCTA Intermodal Transit Center	Denton County Transportation Authority	$7,858,799
Main Street	City of Crowley	$4,500,000
College Street	City of Lewisville	$3,000,000
	Total	**$47,910,799**

1: All proposed funding amounts are federal with the exception of the City of Irving, to which staff is proposing to award Regional Toll Revenue (RTR) funds.

TIMELINE

MEETING/TASK	DATE
STTC Information	**January 26, 2018**
RTC Information	February 8, 2018
Public Meetings	February 2018
STTC Action	February 23, 2018
RTC Action	March 8, 2018

QUESTIONS?

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Access North Texas

Surface Transportation Technical Committee

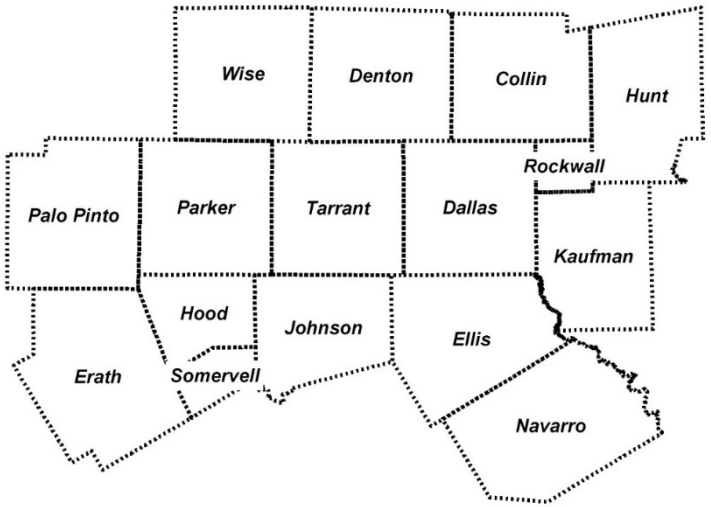
Kelli Schlicher, AICP

January 26, 2018

Background

Regional public transportation coordination plan to:

- Identify the public transportation needs of older adults, individuals with disabilities, low-income individuals and others with transportation challenges
- Specify strategies to address needs and current challenges
- Avoid duplication of transit services, eliminate gaps in service and meet federal and State requirements for transit coordination in 16 counties



Access North Texas

Progress Since 2013

New transit service in Hutchins (southeast Dallas County)

STAR TRANSIT

Transportation link from Hunt County to DART's Downtown Rowlett Station

Senior Center Resources and Public Transit
Serving Hunt County since 1976

Cooperative vehicle procurement

Access North Texas

Outreach

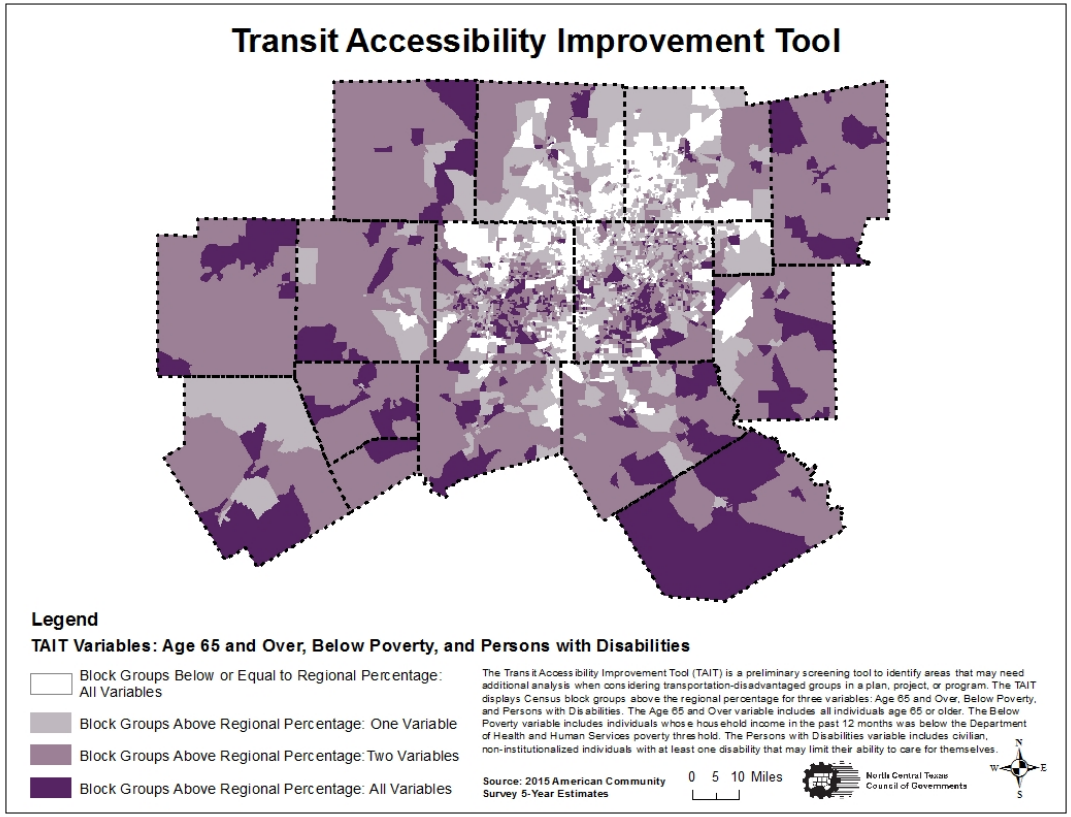
- Reached out to over 2,350 individuals including: the public, transit riders, transit agencies, health and human service agencies, workforce agencies, businesses, educational institutions, elected officials and local government staff
- Conducted 14 outreach meetings with 611 attendees, numerous conference calls, emails and conversations
- Offered a public transportation poll in English and Spanish, received over 1,000 responses

Data Collection & Analysis

Transit Accessibility Improvement Tool (TAIT) identifies populations that may depend on public transportation

Collected demographic data including population growth, Limited English Proficiency, and commute statistics

Identified existing transportation resources



Access North Texas

Summary of Plan Recommendations

Regional strategies apply throughout North Central Texas

- Explore partnerships to increase the affordability of fares for those most in need
- In areas with no public transportation, assess need and implement transit
- Explore non-traditional ways to deliver public transit
- Simplify regional trips and reduce the number of transfers

County-by-county strategies were also developed

Next Steps

Early implementation opportunity: January RTC action

Public meetings and final review of strategies

Technical committee and policy board feedback and approvals

Regional partners will implement strategies identified in the plan

Future projects that seek funding under the Regional Transportation Council Transit Call For Projects must be included in Access North Texas

Access North Texas

Schedule

Date	Deliverable
August 19, 2016	Kick-Off Meeting
September 2016 – July 2017	Outreach Meetings; Stakeholder and Public Involvement
July 2017 – December 2017	Additional Stakeholder Coordination
January 26, 2018	STTC: Information Item
February 5-13, 2018	Public Meetings
February 8, 2018	RTC: Information Item
February 23, 2018	STTC: Action Item
March 8, 2018	RTC: Action Item
March 22, 2018	Executive Board: Action Item

Access North Texas

Review the plan at www.AccessNorthTexas.org

Questions or Comments

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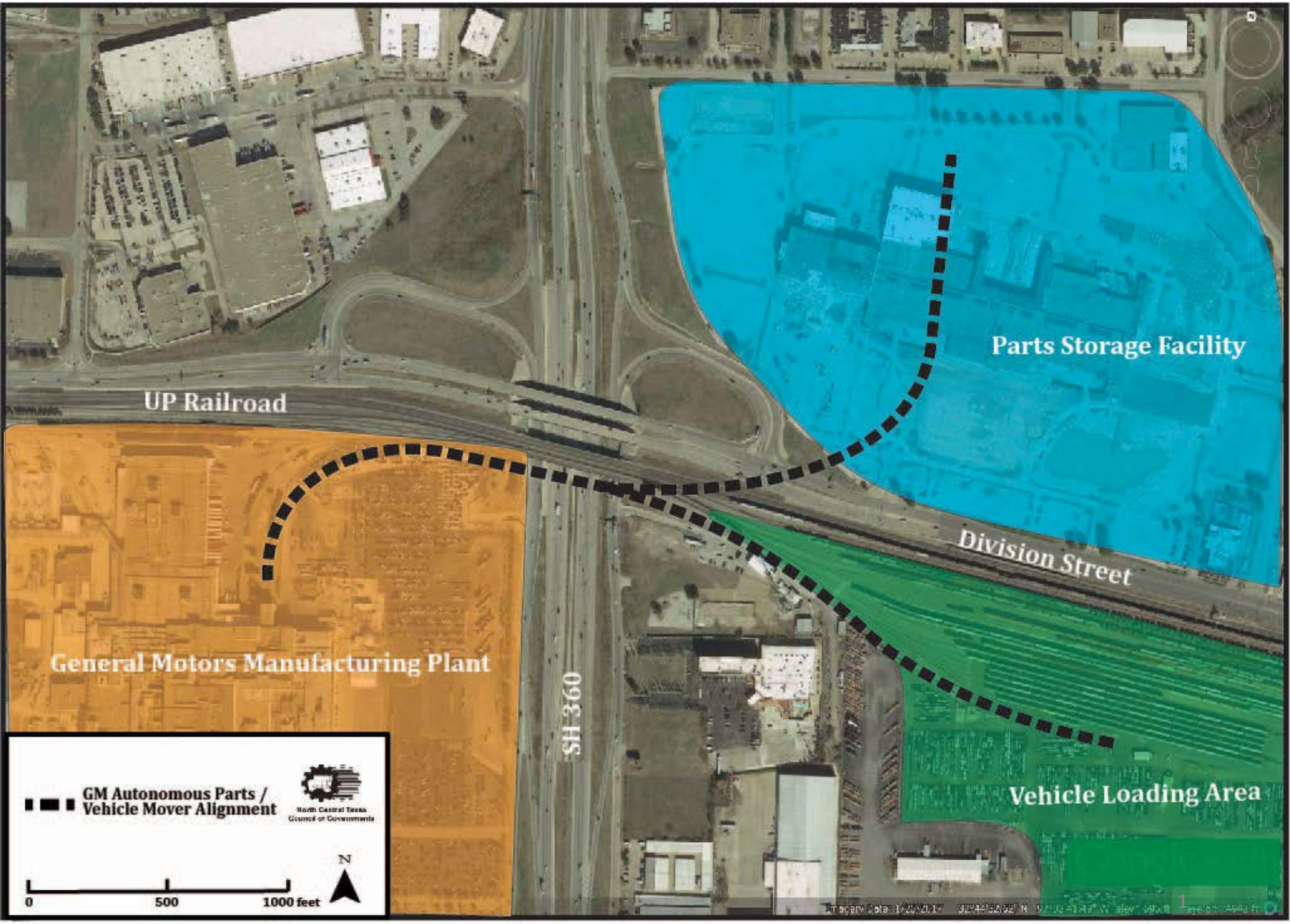
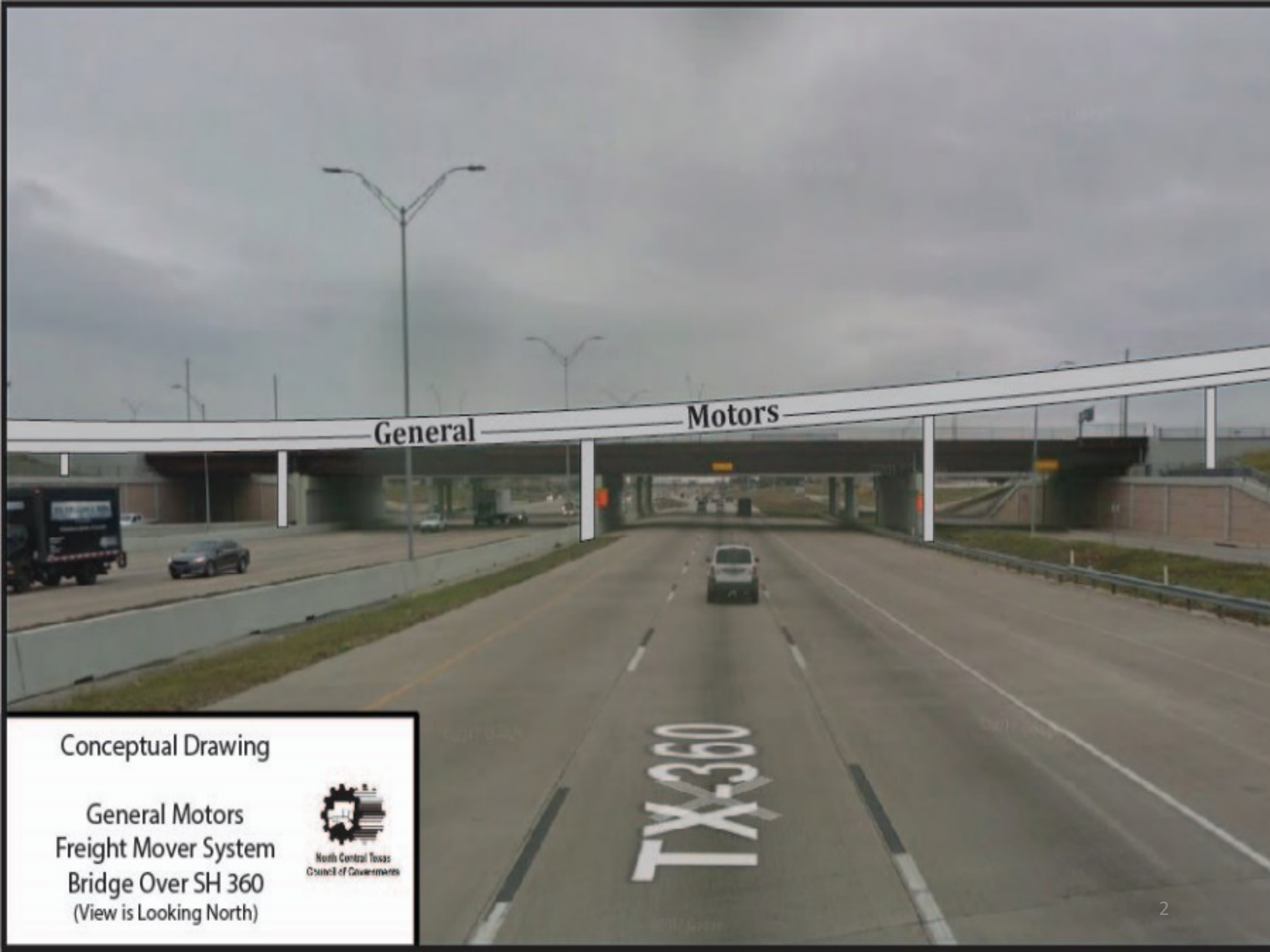
Access North Texas

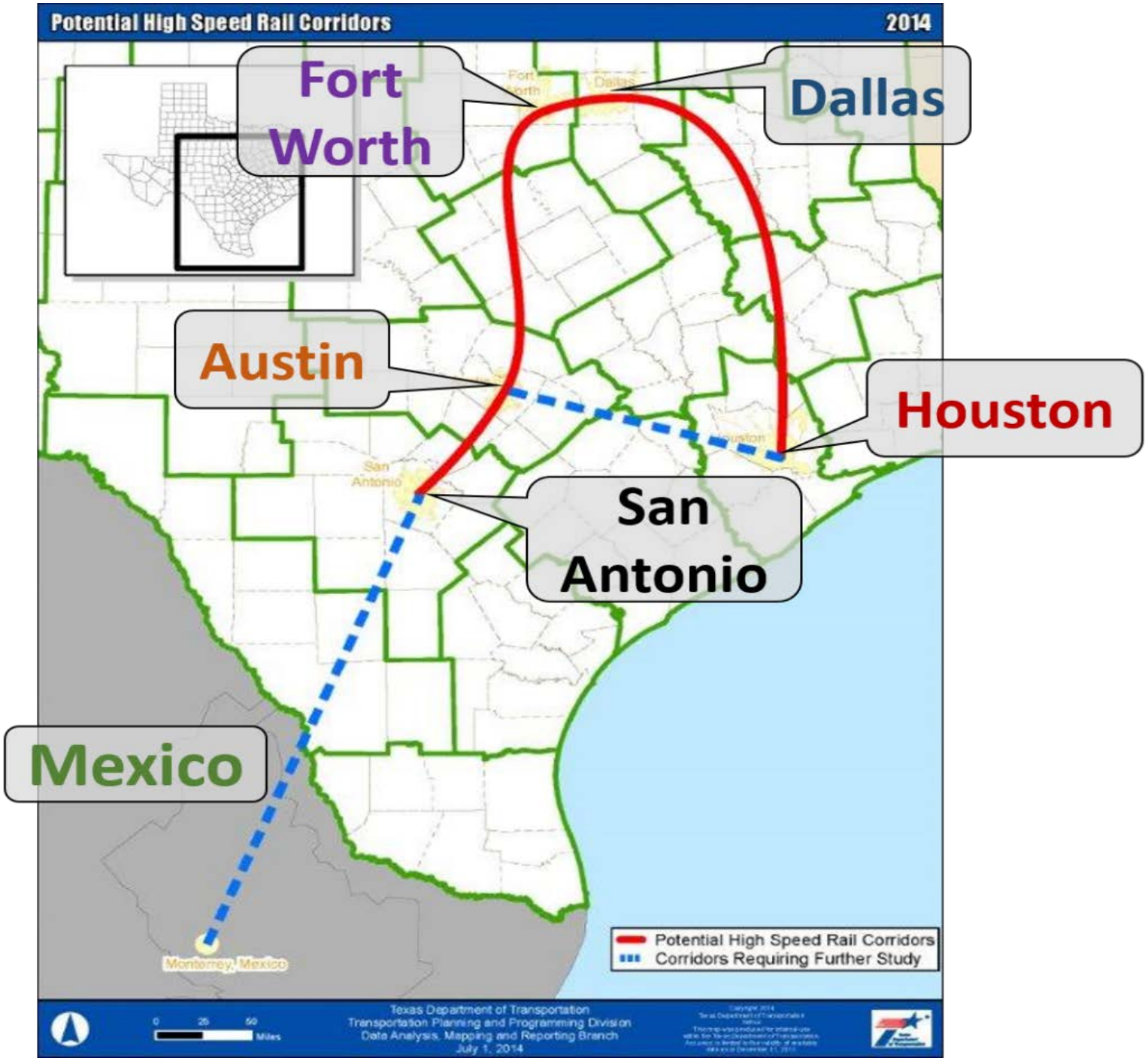

Parts Storage Facility
UP Railroad
Division Street
General Motors Manufacturing Plant
SH 360
Vehicle Loading Area
GM Autonomous Parts / Vehicle Mover Alignment
North Central Texas Council of Governments
N
0
500
1000 feet



Conceptual Drawing

General Motors
Freight Mover System
Bridge Over SH 360
(View is Looking North)

North Central Texas Council of Governments


Potential High Speed Rail Corridors
2014
Fort Worth
Dallas
Austin
Houston
San Antonio
Mexico
Monterrey, Mexico
Potential High Speed Rail Corridors
Corridors Requiring Further Study
0 25 50
Miles
Texas Department of Transportation
Transportation Planning and Programming Division
Data Analysis, Mapping and Reporting Branch
July 1, 2014

Dallas-Fort Worth Clean Cities Fleet Recognition and Annual Report

Surface Transportation Technical Committee

Bailey Muller
Air Quality Planner III

January 26, 2018

Dallas-Fort Worth CLEAN CITIES

2017 Outstanding Fleet Recognition Recipients*

Silver Awards

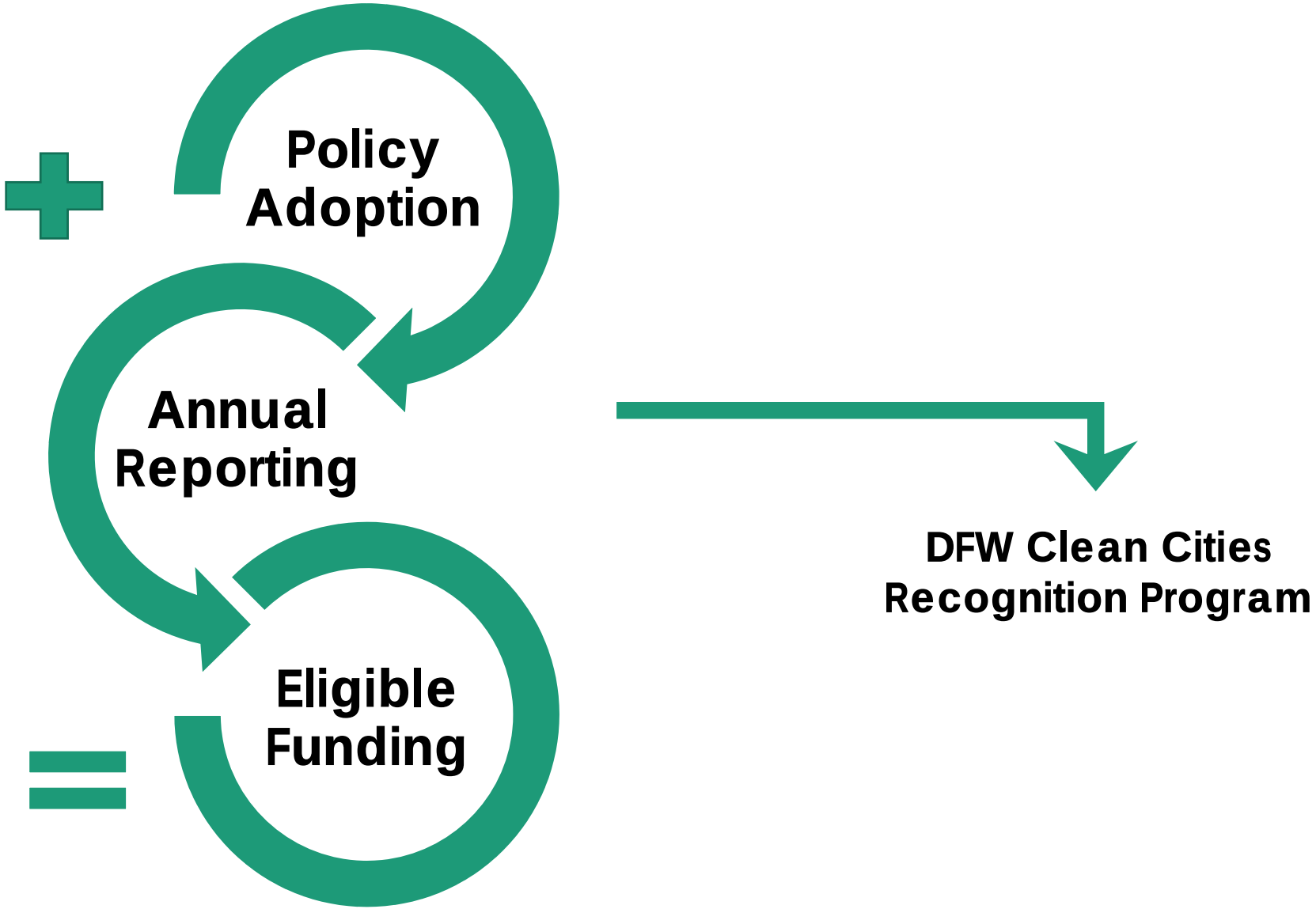
City of Carrollton
City of Denton
City of Euless
City of Grapevine
City of Lancaster
City of Richardson
City of Southlake
Town of Addison

Bronze Awards

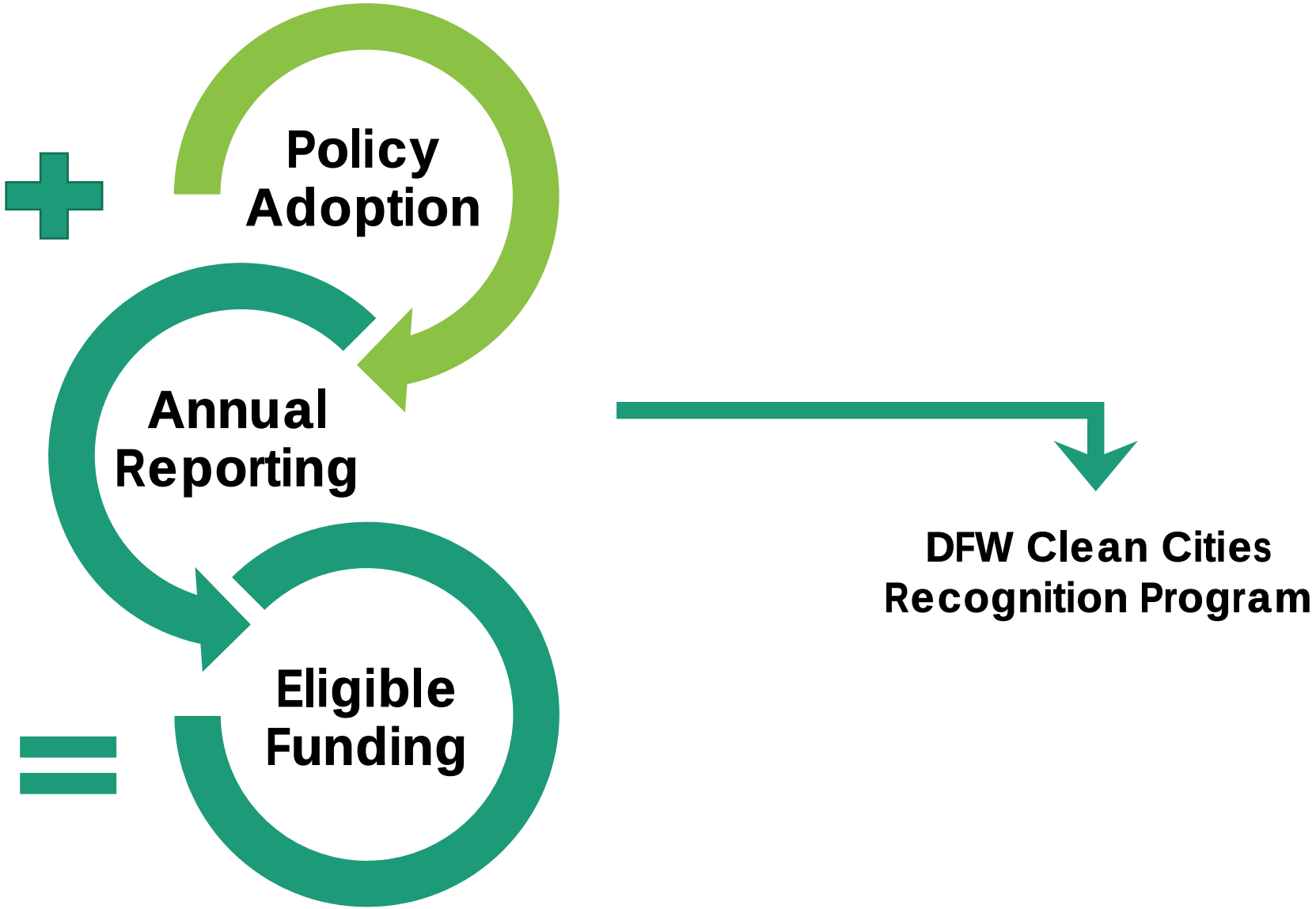
City of Allen
City of Coppell
City of Fort Worth
City of Lewisville
City of North Richland Hills
City of Plano
City of Rockwall
City of Wylie
Dallas Area Rapid Transit
Denton ISD
Town of Flower Mound

**2017 Recognition Based on Reports of 2016 Fleet Activity*

Connection Between Clean Cities and Fleet Policy



Connection Between Clean Cities and Fleet Policy



Clean Fleet Policy

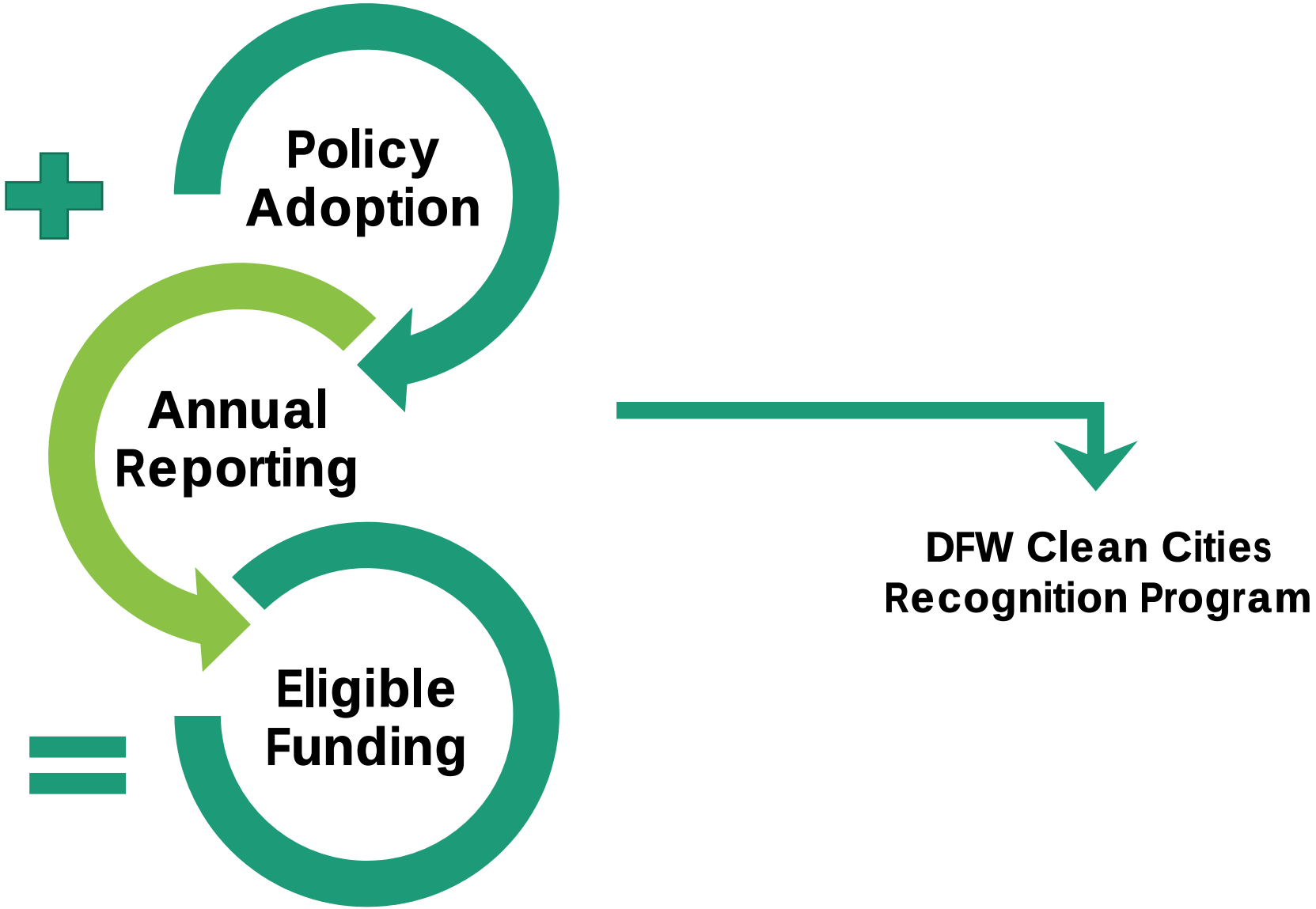
2014 — **Year RTC Approved a Resolution Supporting the Adoption and Implementation of a Revised Clean Fleet Policy for Fleets in the Nonattainment area**

64 — **Fleets That Have Adopted the Policy**

$ — **Adoption and Reporting Necessary for Fleets to be Eligible for Vehicle Funding Through RTC. Also a Component of the Metropolitan Transportation Plan Policy Bundle.**

Full List of Policy Adoptees and Resources: www.nctcog.org/fleetpolicy

Connection Between Clean Cities and Fleet Policy



DFW Clean Cities Annual Report

DOE Goal to Save 2.5 Billion Gallons of Petroleum Per Year by 2020

15%

DFWCC Goal to Increase Petroleum Reduction by 15% Every Year

Fleets Must Complete the Report & Adopt the Clean Fleet Policy to be Eligible for Fleet Recognition

Feb 15

Reports due February 15 Annually

www.dfwcleancities.org/annualreport

Annual Report Components & Policy Goals

Emissions Reductions

- Anti-idling Policy
- Training and Orientation
- On-board Technology
- Vehicle Prioritization

Fuel Reduction

- Eco-driving Policy
- Right-sizing Vehicles to Operation
- Alternative Fuel/Hybrid Vehicles

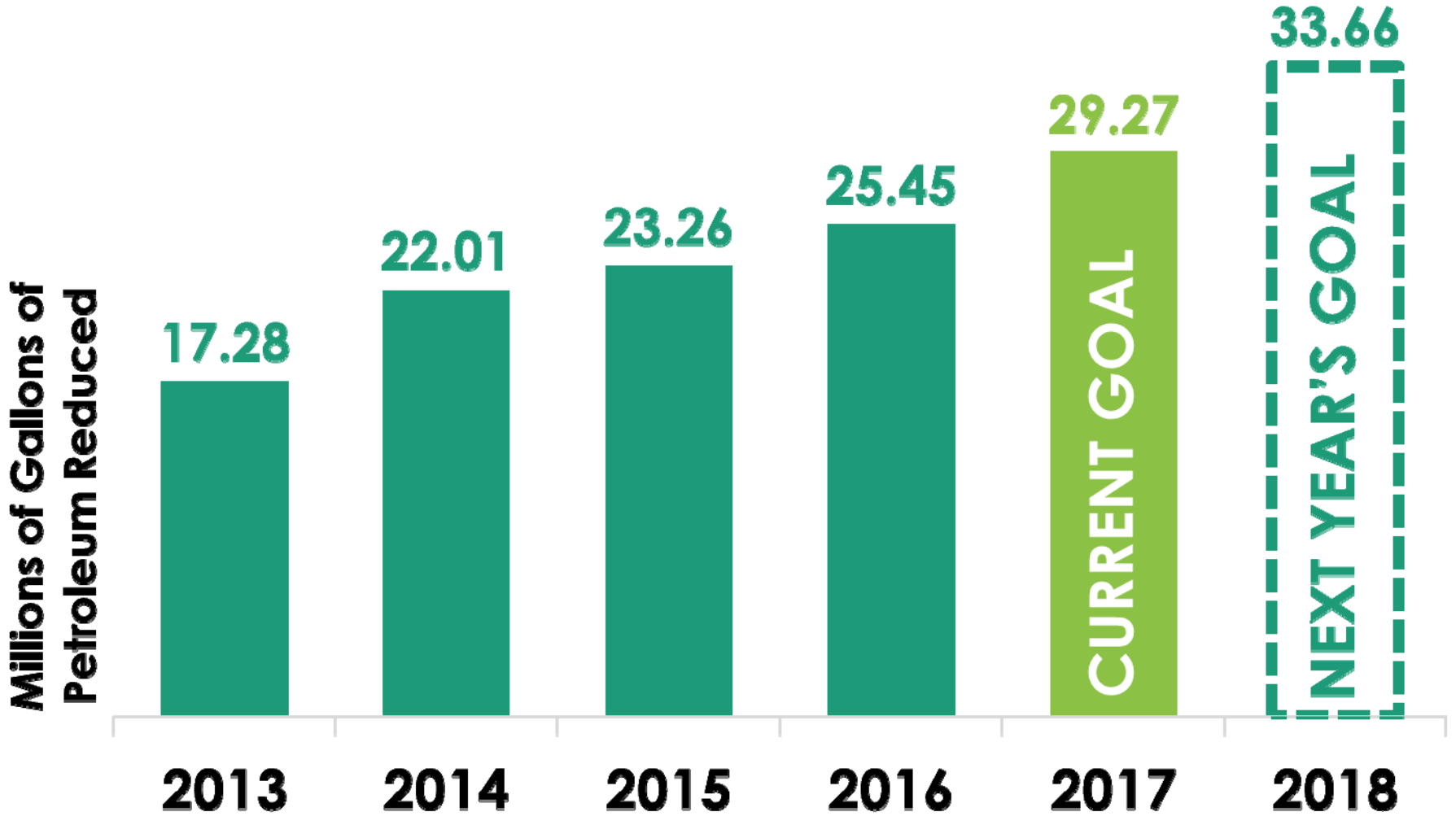
Partnership

- Promotion of Clean Fleet Policy/DFWCC to Partners
- Active in DFWCC Activities
- Reduce Environmental Impacts
- Annual Reporting

Outreach and Awareness of Air Quality Goals

- New Hire Orientation
- Driver Pledges
- Attend NCTCOG Trainings
- Performance and Recognition
- Shared Resources

Annual Report: Petroleum Reduction Results By Year



Help Us Reach Our 2017 Goal!

Fill Out Your Fleet Report Here: www.dfwcleancities.org/annualreport

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

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Dallas-Fort Worth
CLEAN CITIES

www.dfwcleancities.org