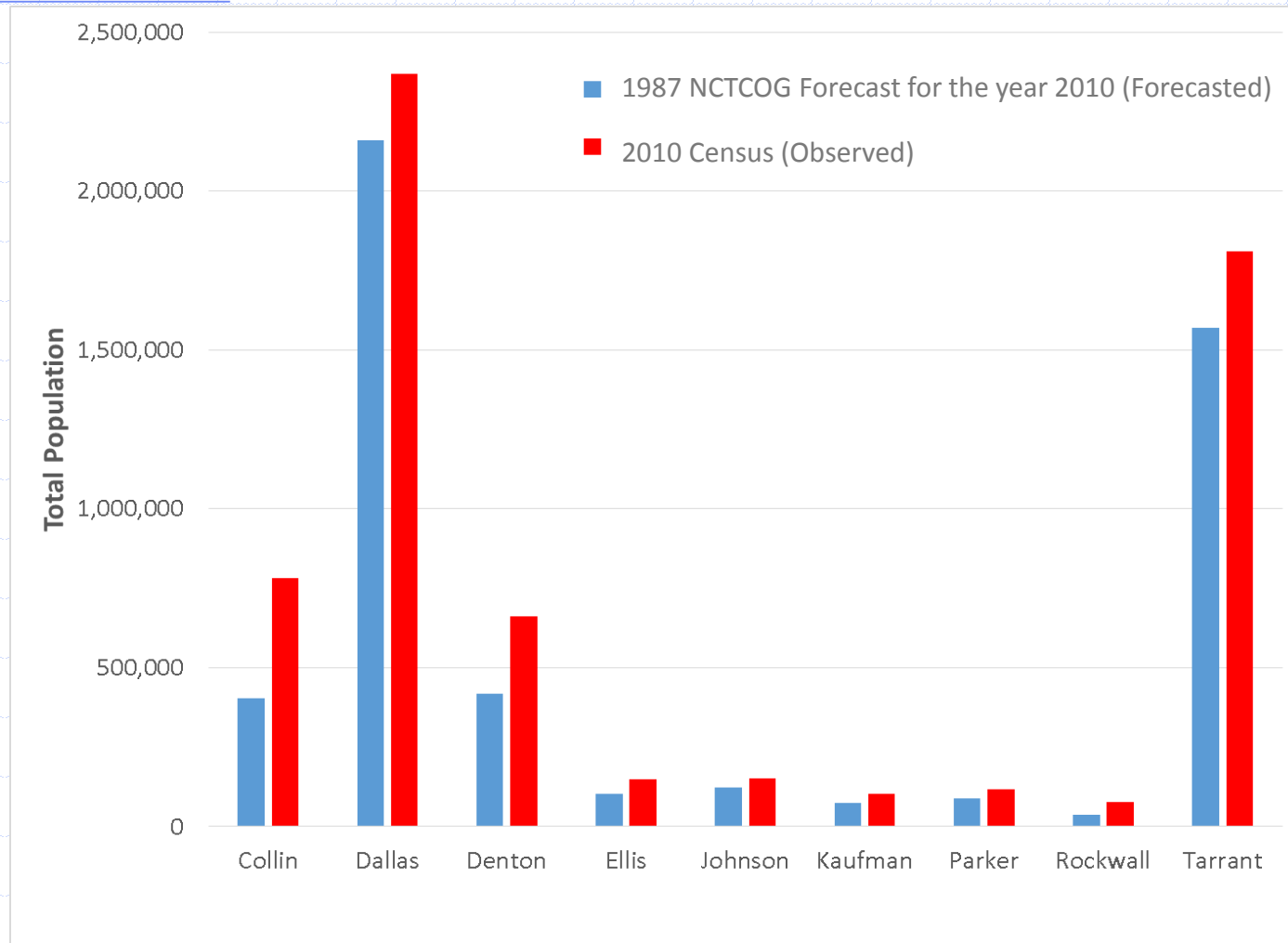
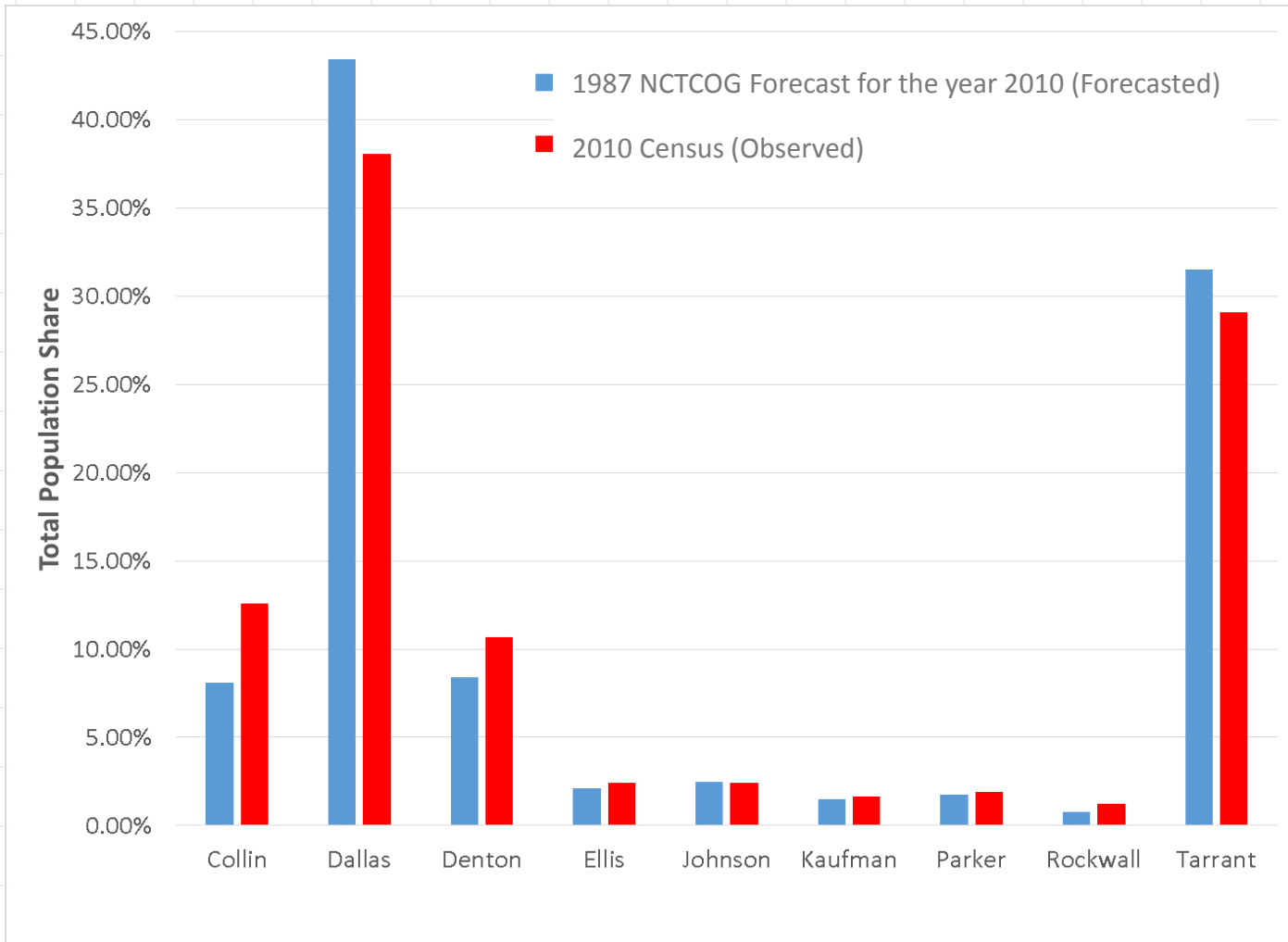


2010 Population Comparisons



Source : NCTCOG, Decennial Census

2010 Population Comparison Shares



Source : NCTCOG, Decennial Census

Forecast 2040

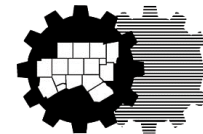
2010 Population Forecast Validation By County

COUNTY	2010 (CENSUS)	2010 (GLUM Model)	% DIFF
COLLIN	778,427	791,423	1.67%
DALLAS	2,337,741	2,355,498	0.76%
DENTON	652,270	635,907	-2.51%
ELLIS	148,000	150,331	1.57%
HOOD	50,481	48,139	-4.64%
HUNT	84,260	86,079	2.16%
JOHNSON	148,290	151,331	2.05%
KAUFMAN	102,014	105,714	3.63%
PARKER	113,806	109,784	-3.53%
ROCKWALL	77,678	78,509	1.07%
TARRANT	1,788,400	1,771,758	-0.93%
WISE	58,147	59,472	2.28%
Total	6,339,514	6,343,945	0.07%

COMMENTS TO THE ENVIRONMENTAL PROTECTION AGENCY REGARDING PROPOSED RULE: NATIONAL AMBIENT AIR QUALITY STANDARDS FOR OZONE

Regional Transportation Council

Chris Klaus, Senior Program Manager
March 12, 2015



North Central Texas
Council of Governments

PROPOSED RULE: NATIONAL AMBIENT AIR QUALITY STANDARDS FOR OZONE

Current Mix of Air Quality Activity

Sierra Club vs. EPA Consent Decree

Proposal on November 7, 2014

Pending Federal Transportation Conformity Determination

Local Approval by RTC on November 13, 2014

DC Court of Appeals

Issued December 23, 2014

Reclassification Under 85 ppb Ozone Standard

Proposed Rule on February 17, 2015

Implementation Rule for the 75 ppb Ozone Standard

Effective Date Anticipated Early April 2015

DFW State Implementation Plan for 2008 75 ppb Ozone Standard

Due To EPA by July 20, 2015

Proposed 65-70 ppb Ozone Standard

PROPOSED RULE: NATIONAL AMBIENT AIR QUALITY STANDARDS FOR OZONE

8-Hour Ozone Standard Revision

November 26, 2014 - Proposed Rule Released by Environmental Protection Agency (EPA)¹

65 – 70 parts per billion (ppb) to Protect Public Health and Environment

EPA Accepting Comments as low as 60 ppb

Ozone Season Extended to March – November²

New EPA Air Quality Index to be Developed Based on New Standard

Additional Counties added to Nonattainment Area

December 17, 2014 – Proposed Rule Published in the *Federal Register*³

90-day Public Comment Period (Closes March 17, 2015)

¹<http://www.epa.gov/glo/actions.html#nov2014>

²January – December for South Texas

³<http://www.gpo.gov/fdsys/pkg/FR-2014-12-17/pdf/2014-28674.pdf>

PROPOSED RULE: NATIONAL AMBIENT AIR QUALITY STANDARDS FOR OZONE

Comments

Ozone Season Extended

Encourage EPA to not implement extended ozone season in the Dallas-Fort Worth (DFW) nonattainment region from the end of October through the end of November.

Impact of Background and Transport Ozone

Encourage EPA to establish guidance on assessing impact of background and transport ozone on DFW airshed.

Congestion Mitigation and Air Quality Improvement Funding

Request a review of the equitability of how CMAQ funds are dispersed.

Streamline Transportation Conformity

Establish a national committee to revise the transportation conformity rules.

Modernizing NAAQS Review Frequency

Encourage EPA to revisit the five-year National Ambient Air Quality Standards review timetable.

PROPOSED RULE: NATIONAL AMBIENT AIR QUALITY STANDARDS FOR OZONE

Request for Action

**Authorize RTC Chair to Submit Comments to the EPA, No Later
Than March 17, 2015.**

PROPOSED RULE: NATIONAL AMBIENT AIR QUALITY STANDARDS FOR OZONE

For Further Information

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STATE AND FEDERAL LEGISLATIVE UPDATE

Regional Transportation Council

March 12, 2015



Amanda Wilson, AICP
North Central Texas Council of Governments

Federal Legislative Update

Appropriations Subcommittees Continue to Meet on FY16 Appropriations Requests

Passenger Rail Reform & Investment Act of 2015 (PRRIA) - HR 749, Passed House, No Current Senate Plans

Congress Needs to Address Funding the Highway Trust Fund, MAP-21 Extension, FAA Reauthorization, Rail Reauthorization, FY16 Appropriations

Regional Transportation Council State Legislative Program

Legislation to Actively Pursue

- ✓ Identify Additional Transportation Revenue
- ✗ Retain Limited Authority for TxDOT to Enter into Public-Private Partnerships on Specific Projects
- ✓ Support Full Funding for the AirCheckTexas Program
- ✗ High-Speed Rail

84th Texas Legislature

New House Transportation Subcommittee on Long-Term Transportation Infrastructure Planning

- **Rep. Ron Simmons, Chair**

State Budget - HB 1/SB 2

- **House Appropriations and Senate Finance Continue to Meet - Different funding levels**
- **LIRAP/LIP and TERP - Article VI Baseline Funding Approved by House, \$81M Each Pending and Moved to Article XI**

84th Texas Legislature Bills of Interest

Transportation Revenue

SB 5, SJR 5 (Nichols)

- **Constitutionally Dedicates \$2.5B of Motor Vehicle Sales Tax Per Year for General Fund, Next \$2.5B to State Highway Fund, Splits Additional Funds 50/50**
- **Passed Senate Floor with One Amendment**
- **Amendment Takes 20 Percent of GR Funds Above \$5B for Education**

Others: diversions, other fees to SHF, local registration

84th Texas Legislature Bills of Interest

Public-Private Partnerships on Specific Projects

SB 1045 (Hall)

- **Allows TxDOT to Enter into Design-Build Contract on IH 635E, but Not as a Toll Project**
- **Filed, Not Yet Referred to Committee**

Three total CDA bills filed, Related to IH 35 in Travis County and FM 1925 in South Texas

84th Texas Legislature Bills of Interest

AirCheckTexas Program (LIRAP/LIP) Funding

HB 1030 (Leach)

- **Would Expand the Program**
- **Referred to House Environmental Regulations**

SB 922 (Watson)/HB 1961 (Giddings)

- **Allows the Program to Operate at the County Level**
- **SB 922 Referred to Senate Natural Resources and Economic Development, HB 1961 not yet referred to committee**

84th Texas Legislature Bills of Interest

High-Speed Rail

HB 1876 (Bell)

- **Requires Notification to Legislators and County Judges for an Electric Railway Project Environmental Application or Notice**

HB 1889 (Metcalf)

- **Electric Railway Project Requires County or Municipality Approval for Construction**
- Both Filed, Not Referred to Committee Yet**

84th Texas Legislature

Additional Topics of Interest

- **Air Quality**
- **Aviation/Encroachment/UAS**
- **Bike/Ped Unprotected Road Users**
- **Transit**
- **Dedicated Revenue Accounts**
- **Eminent Domain**
- **Red Light Cameras**
- **MPOs**
- **Tolls/Managed Lanes**
- **Statewide Planning**

84th Texas Legislature

Additional Bills of Interest

Air Quality

HB 735 (Israel)

- **Establishes a Program to Collect Information on the Number of Alternately Fueled Vehicles Registered in Texas**
- **Would Help Provide Emissions Reduction Data, Forecast Revenue, Monitor Performance Measures, Streamline New Requirements**
- **Referred to House Transportation**

84th Texas Legislature

Additional Bills of Interest

Transit

HB 1944 (Simmons)/SB 678 (Nelson)

- **Limited Liability for Rail Incidents**

Planning

HB 20 (Simmons)

- **Establishes Advisory Committees for Transportation Planning, Project Selection**

Action Requested

Provide a Letter Support for HB 735

- **Collecting Information on the Number of Alternatively Fueled Vehicles Registered in Texas**

RTC to Consider Any Other Needed Actions Related to Bills of Interest

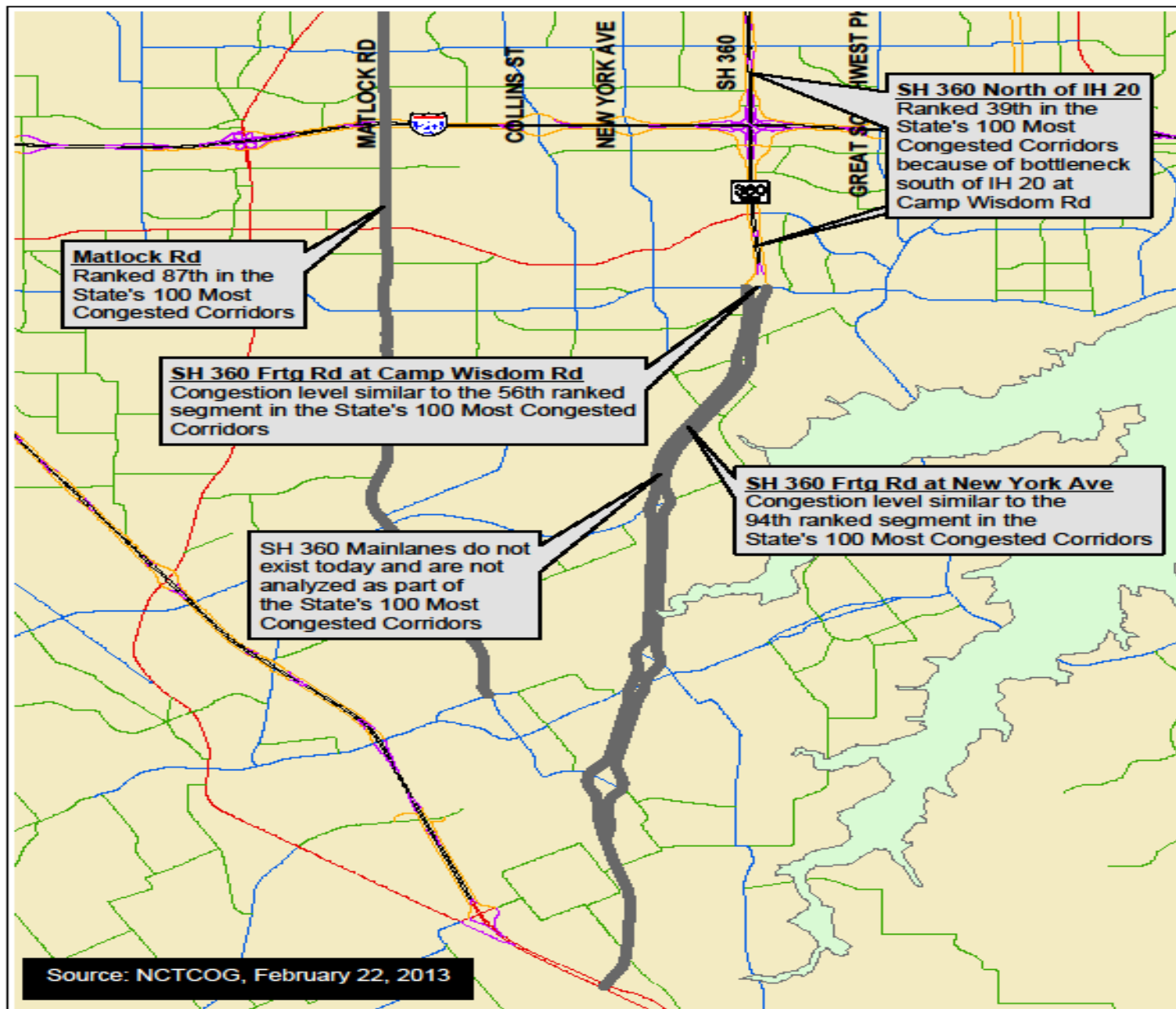
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www.nctcog.org/trans/legislative

SH 360: Summary of Corridor Congestion - Year 2012



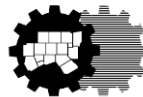
TRANSPORTATION ALTERNATIVES PROGRAM CALL FOR PROJECTS

Texas Department of Transportation

Regional Transportation Council

March 12, 2015

Karla Weaver, AICP

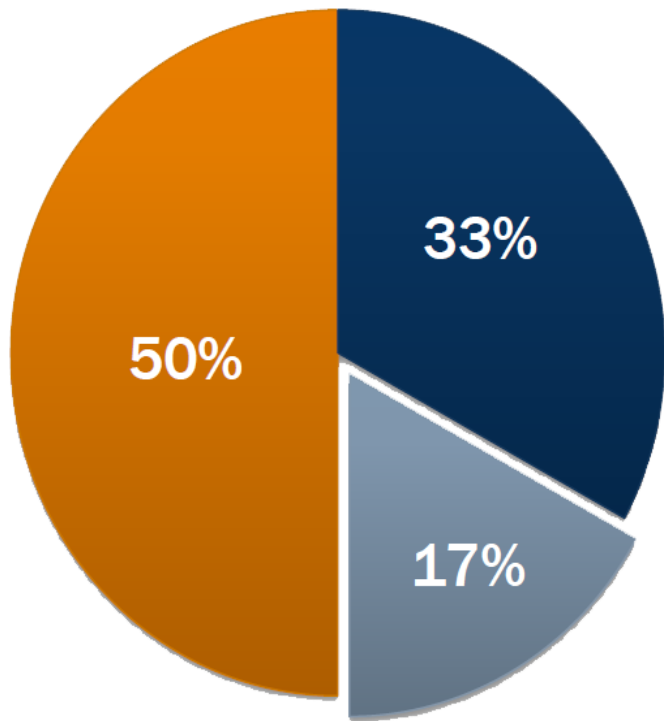


North Central Texas
Council of Governments

Important Dates

- **Open:** January 16, 2015
- **Submission Deadline:** May 4, 2015 (5:00 pm CDT)
- Estimated **\$52 Million** in Federal Funds (FY 2013, 2014, 2015, and 2016) Anticipated to be Available

TxDOT TAP Funding



■ **Statewide: 50%**
Any Area of the State

➔ **Strategic
Priorities
Program**

■ **MPO TAP: 33%**
Serving Urbanized Areas with a
Population Over 200,000

➔ **MPO Call for
Projects 2014**

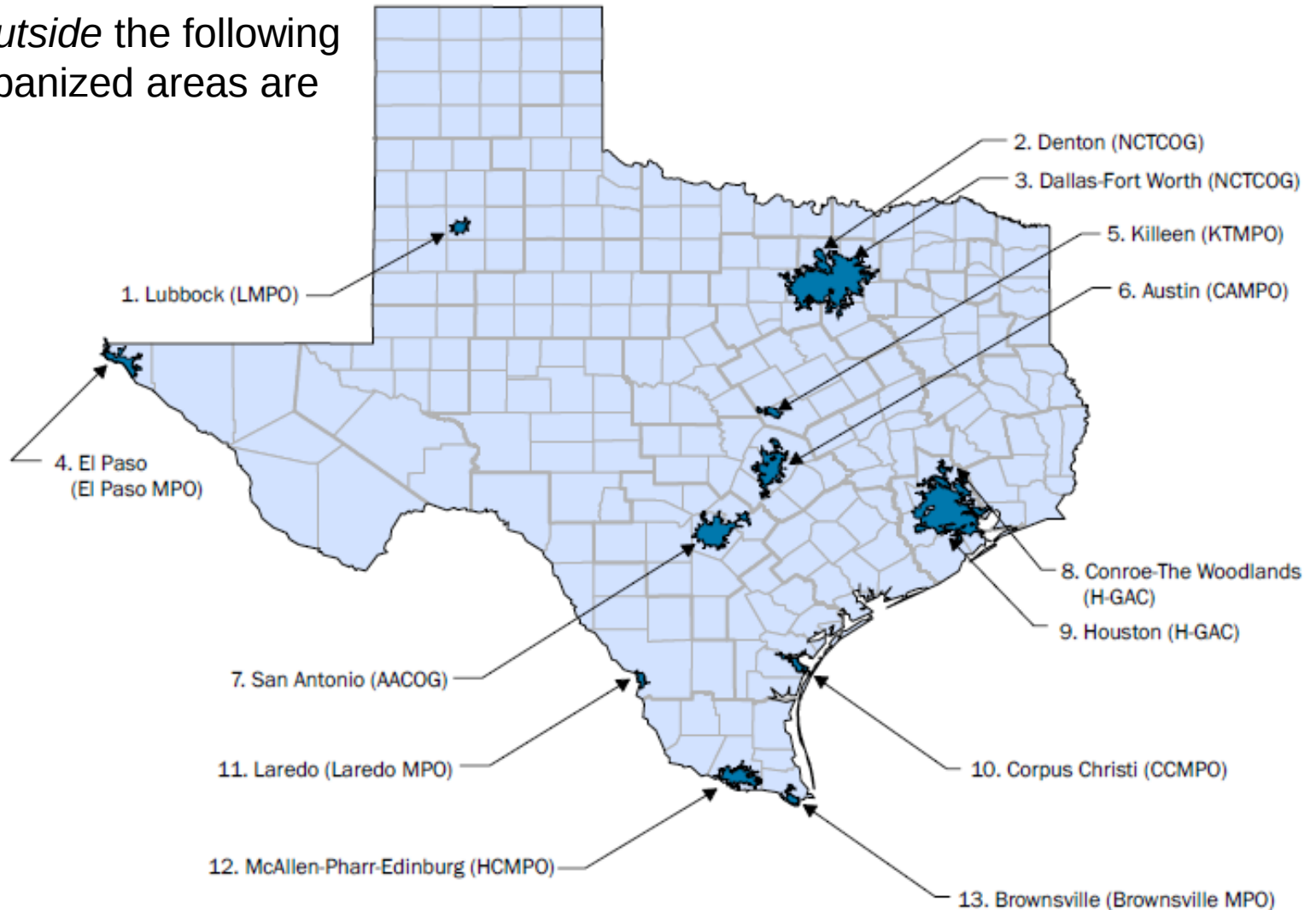
■ **TxDOT TAP: 17%**
Serving Urbanized Areas with
Populations 5,001 – 200,000
and Areas of the State with
Populations 5000 or Less

➔ **TxDOT Current
Call for
Projects**

Large Urbanized Areas Map

(Source: 2010 U.S. Census)

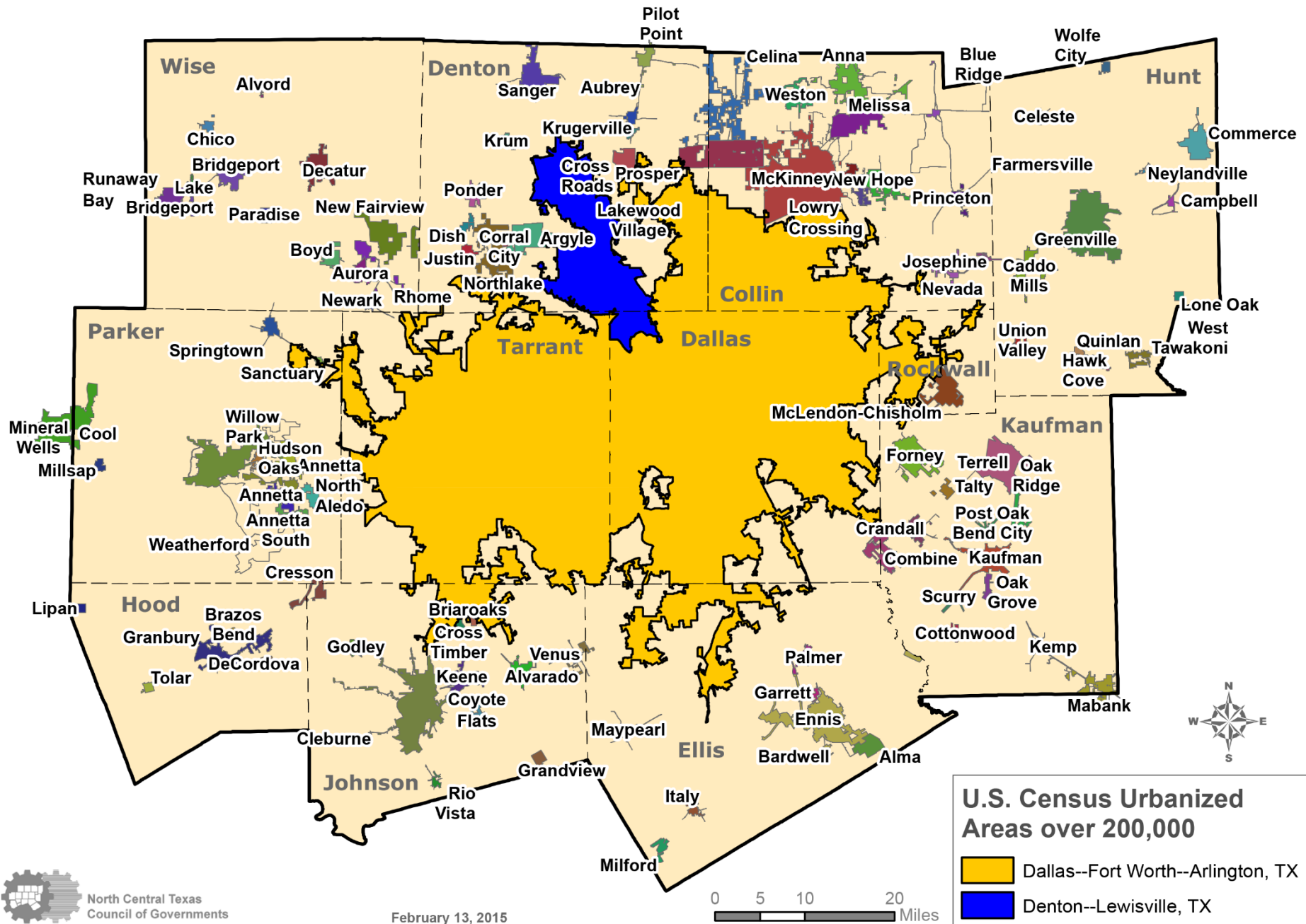
Areas *outside* the following large urbanized areas are eligible:



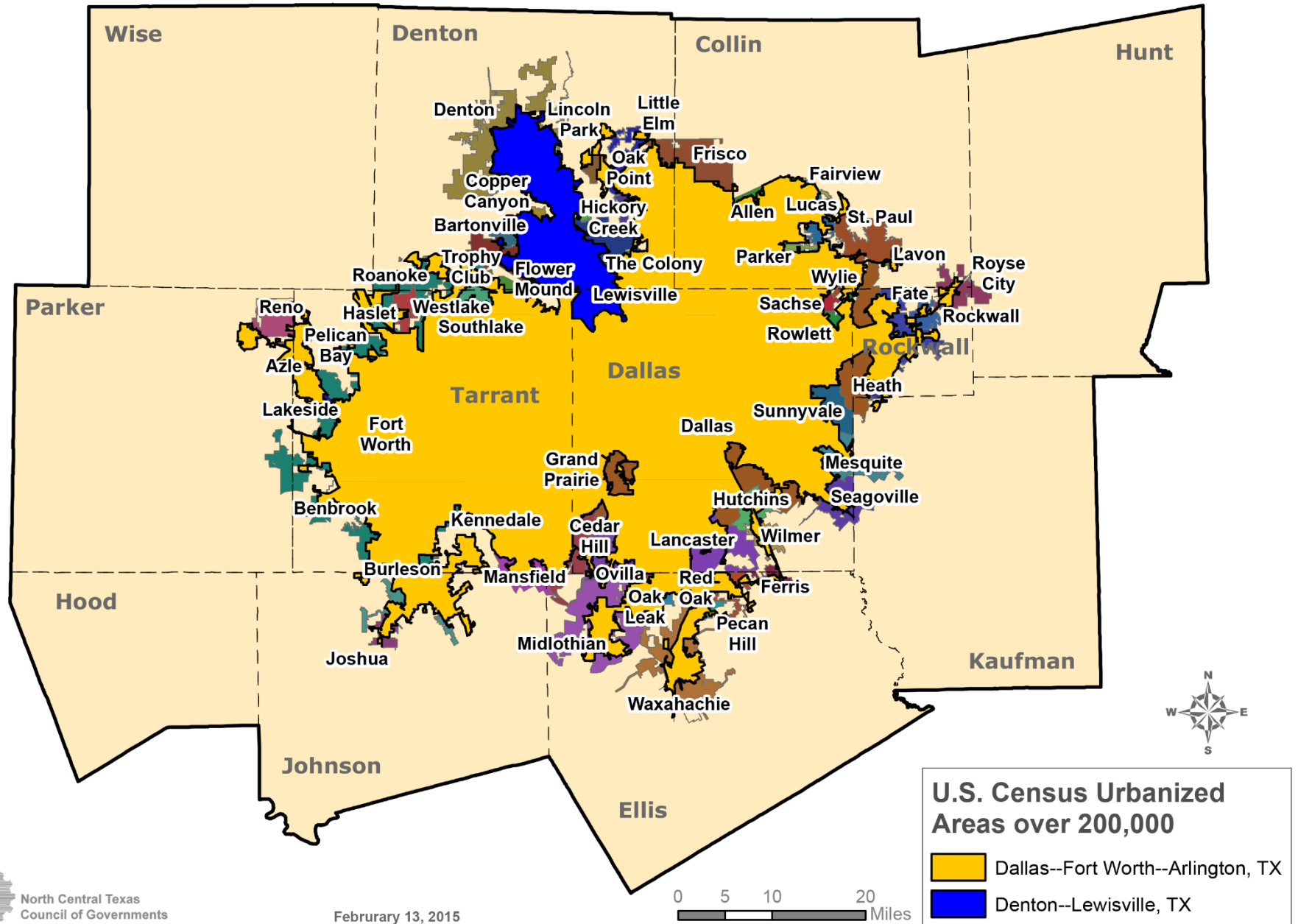
For U.S. Census Information, visit: http://www.fhwa.dot.gov/planning/census_issues/urbanized_areas_and_mpo_tma/geographic_resources/

Image courtesy of: TxDOT

Municipalities Outside U.S. Census Urbanized Areas over 200,000



Municipalities Partially Outside U.S. Census Urbanized Areas over 200,000



TxDOT TAP Workshop

- On **March 10, 2015**, NCTCOG hosted a workshop facilitated by representatives from the Dallas, Fort Worth, and Wichita Falls TxDOT District Offices.
- Information is available online: nctcog.org/TAP
- Deadline to request letters of support from NCTCOG no later than **April 20, 2015**.

Questions?

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SUSTAINABLE DEVELOPMENT FUNDING PROGRAM

REGIONAL MOBILITY INITIATIVES – MARCH 2015



Regional Transportation Council

March 12, 2015

Karla Weaver, AICP



**North Central Texas
Council of Governments**

RTC Sustainable Development Policy

**Utilize
Existing
System
Capacity**

**Improve
Rail
Mobility**

**Single use area
type, non-transit,
connected to
existing
infrastructure**

**Infill
rail**

**Commuter
rail/light rail
in single use
areas**

**Infill
mixed- use
with rail
access**

**Infill
Mixed-use**

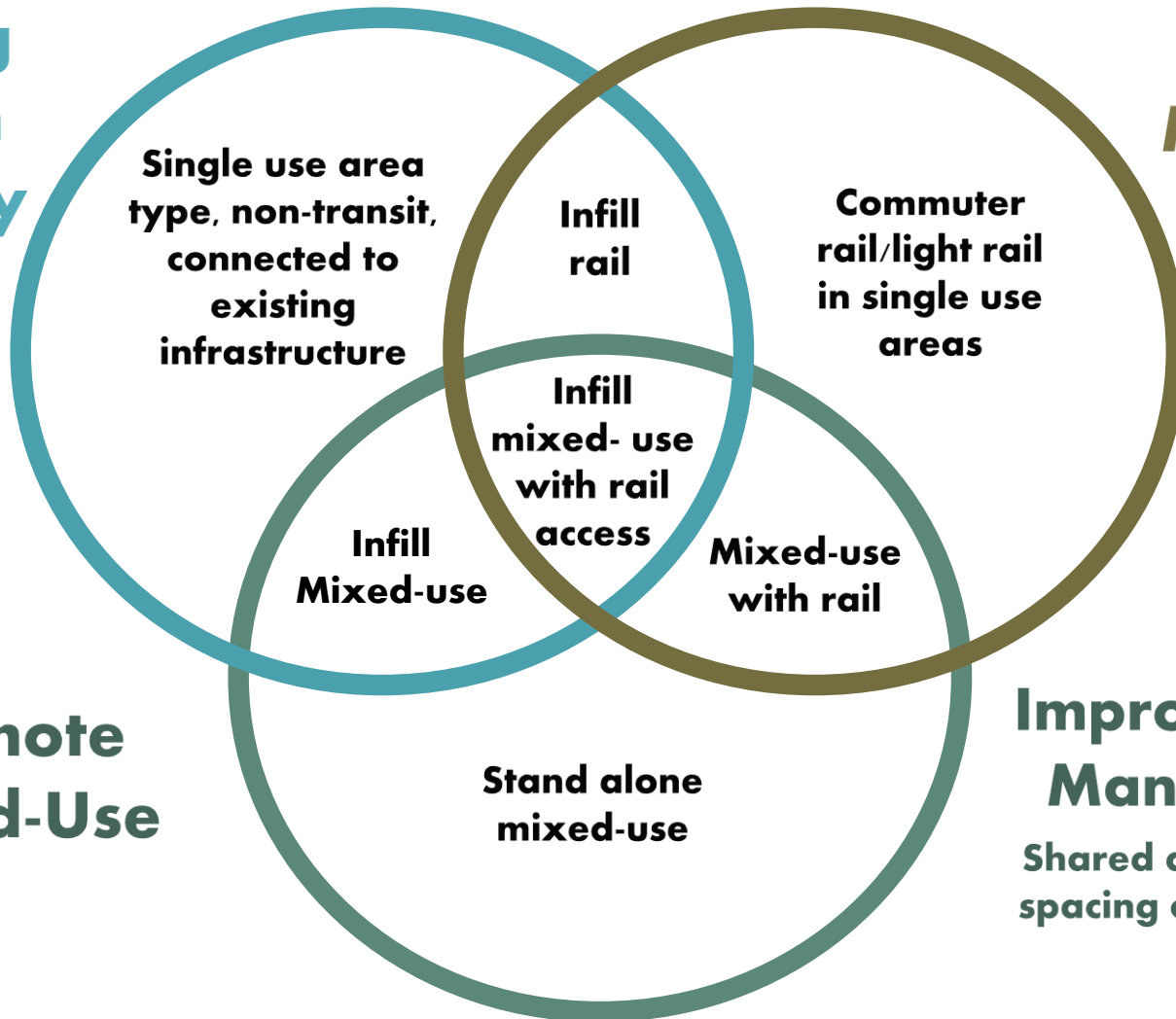
**Mixed-use
with rail**

**Promote
Mixed-Use**

**Stand alone
mixed-use**

**Improve Access
Management**

**Shared drives/parking,
spacing of turns/signals**



Sustainable Development Call for Projects (SDCFP)

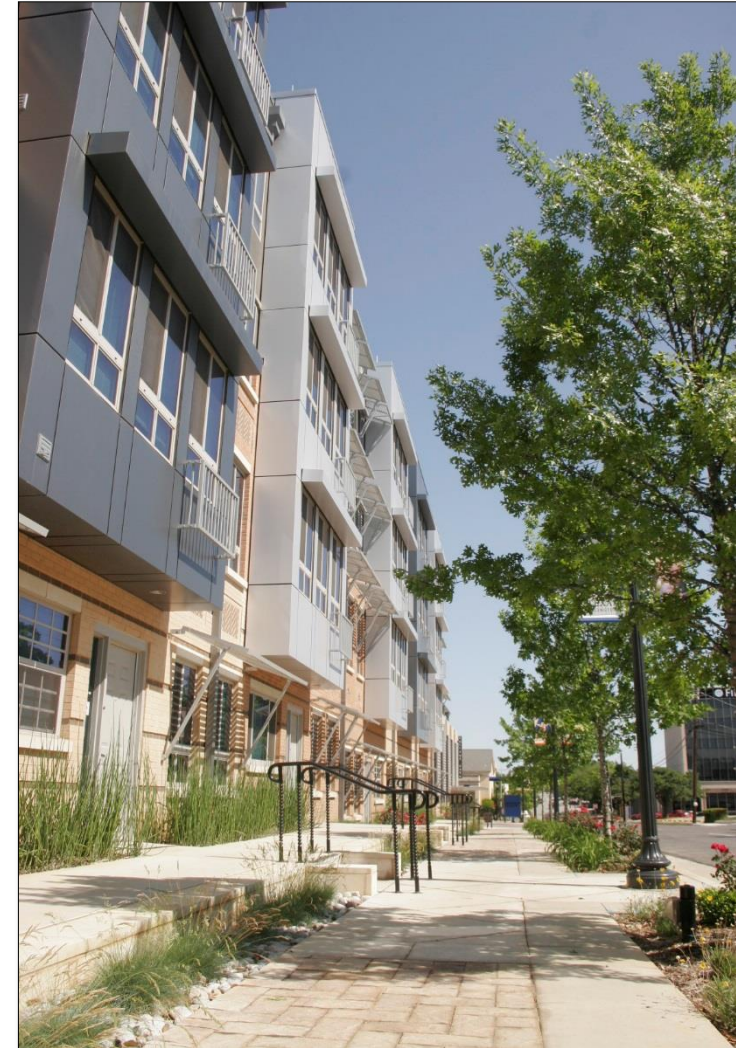
Three Calls for Projects

2001 | 2005-2006 | 2009-2010

Project Criteria

- Walking Distance to Existing or Potential Future Rail Station
- Areas with Concentrations of Unemployed People
- Areas with High-Emitting Vehicles
- Areas with Higher Concentrations of Low-Income Households
- Historic Downtowns with Multiple Contiguous Blocks of Pedestrian-Oriented Developments

City of Arlington – College Town



SDCFP – Number of Net Funded Projects

Project Type	2001	2005-2006	2009-2010	Total Projects
Infrastructure	13	20	26	59
Planning	2	11	7	20
Landbanking	0	2	0	2
Total Number of Projects	15	33	33	81

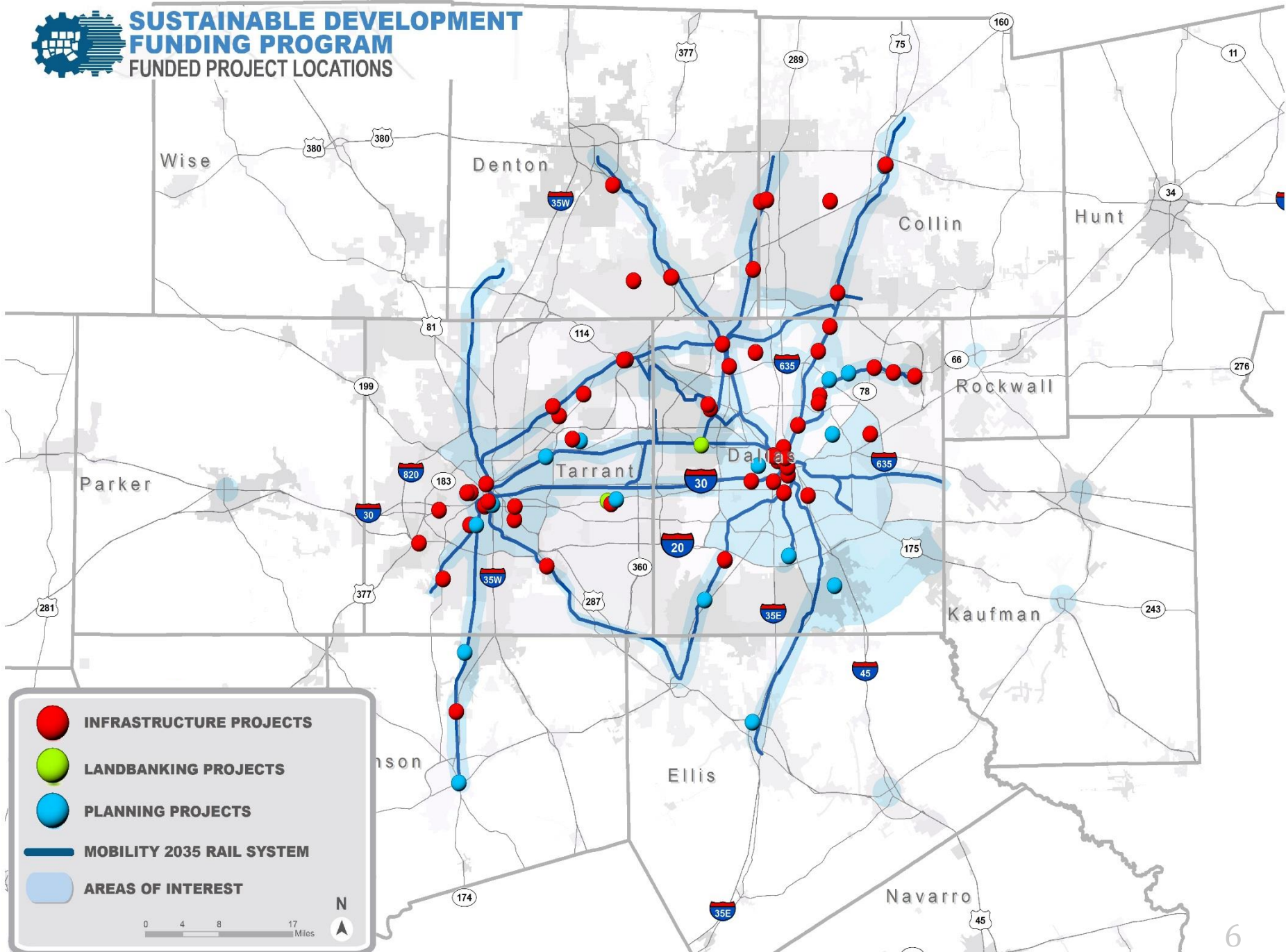
SDCFP – Net Funding (in Millions) by Type of Projects

Project Type	2001	2005- 2006	2009- 2010	Total Funding
Infrastructure	\$42.0	\$39.9	\$53.0	\$134.9
Planning	\$3.6	\$3.8	\$1.0	\$8.4
Landbanking	\$0.0	\$1.4	0	\$1.4
Total Funding	\$45.6	\$45.1	\$54.0	\$144.7

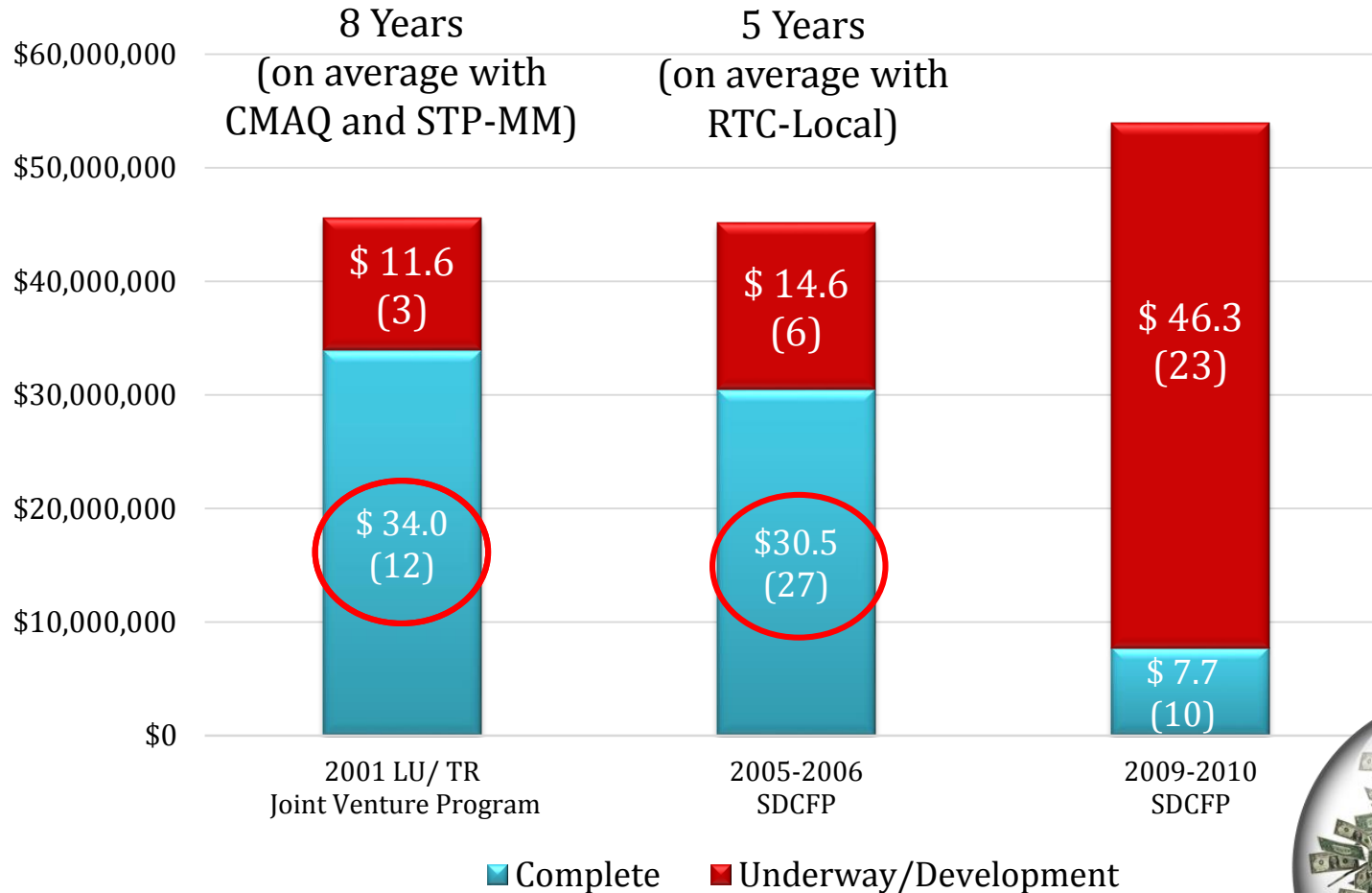


SUSTAINABLE DEVELOPMENT FUNDING PROGRAM

FUNDED PROJECT LOCATIONS



SD Project Implementation Status



Total Project Cost in Millions (Number of Projects)

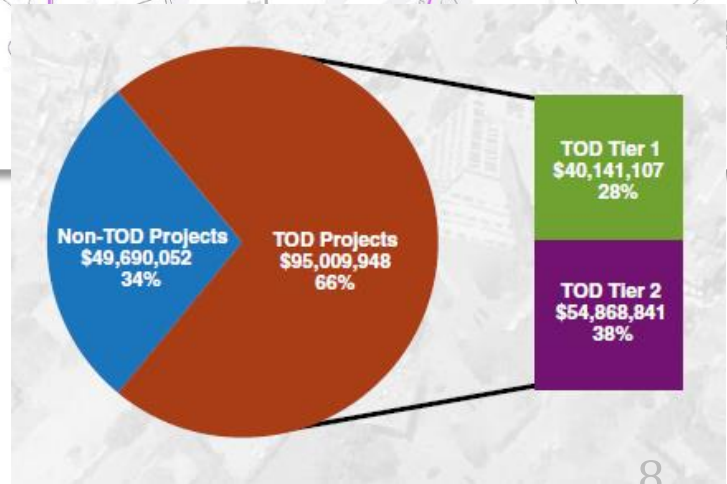
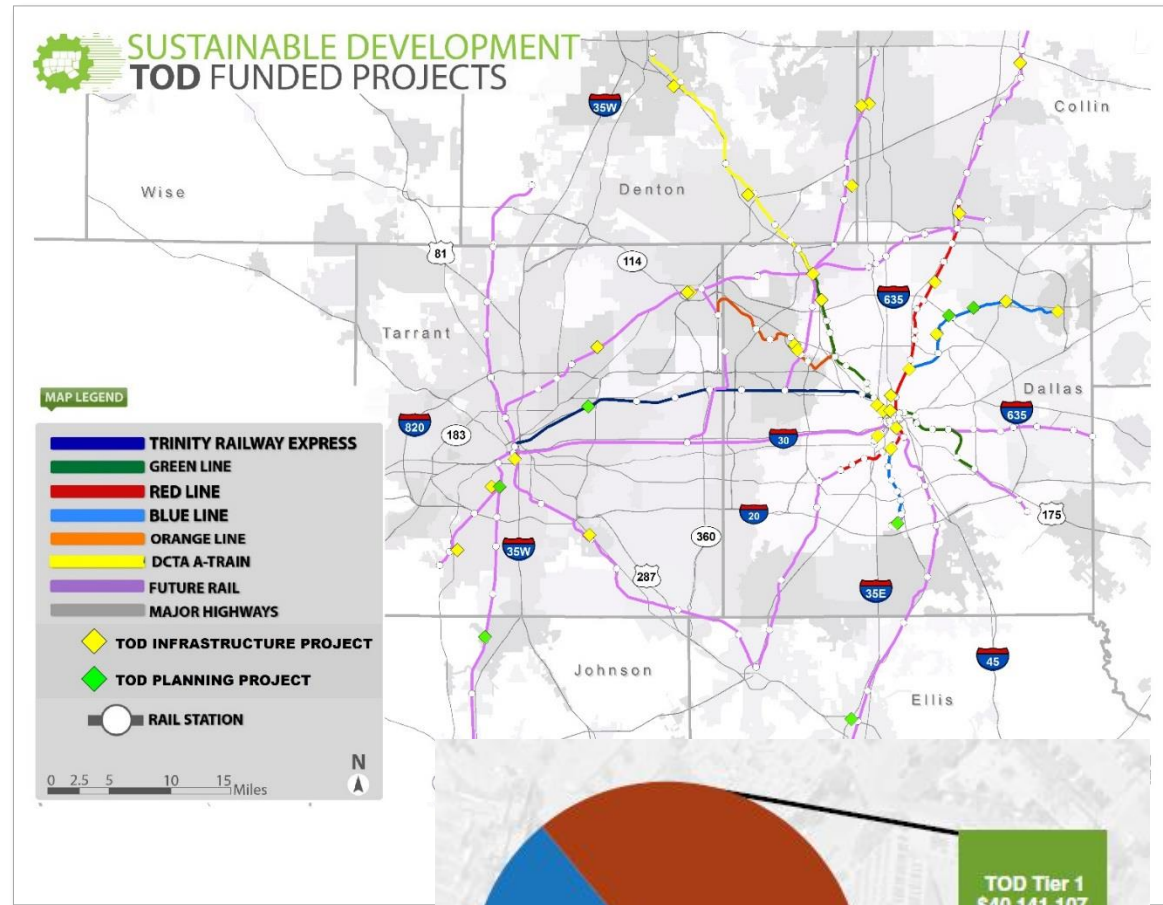


Transit-Oriented Development (TOD)

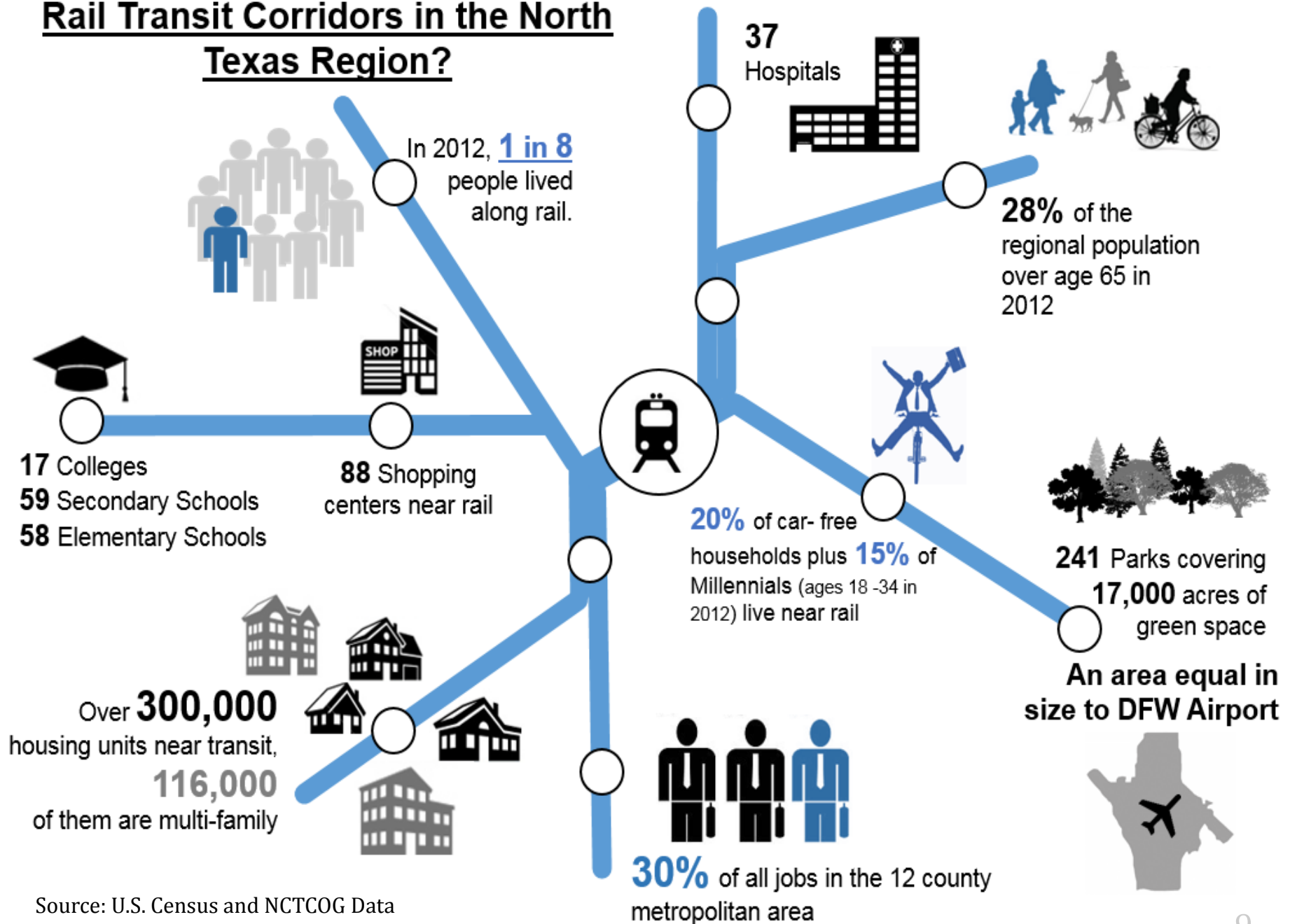
- Land Planning and Building Orientation Geared Toward Encouraging Pedestrian Activity and Transit Use
- Around Quarter- to Half-mile of Passenger Rail Stations

TOD Supported by Sustainable Development Funding Program

- \$95 Million out of \$144.7 Million
(66%)



What's within ½ mile of Existing Rail Transit Corridors in the North Texas Region?



Regional Benefits of Sustainable Development Funding Program

City of Richardson – Eastside Mixed-Use Development



Residential Units

Added Approximately
10,900 Units

Commercial Space

Added Approximately
3.5 Million Square Feet

City of Fort Worth – West 7th



Accommodate 10,300 Jobs
at Full Occupancy

Regional Benefits of Sustainable Development Funding Program

Within a Half-Mile of a Sustainable Development Project

- 42 Projects Near Transit Station
- 47 Projects Near a School
- 52 Projects Near a Major Employer (100+ Employees)
- 57 Projects Near Major Shopping Center

Public-Private Partnerships

City of Fort Worth – Museum Place Mixed-Use Development

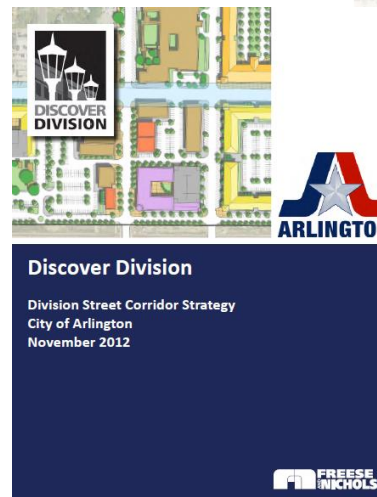
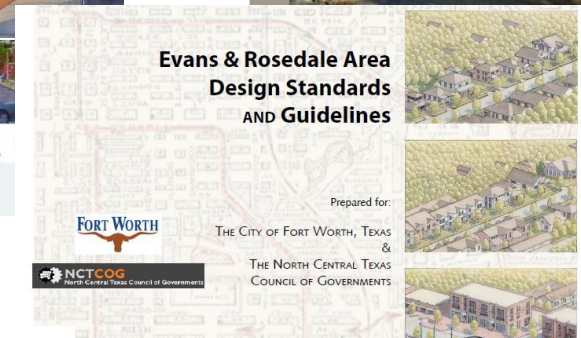
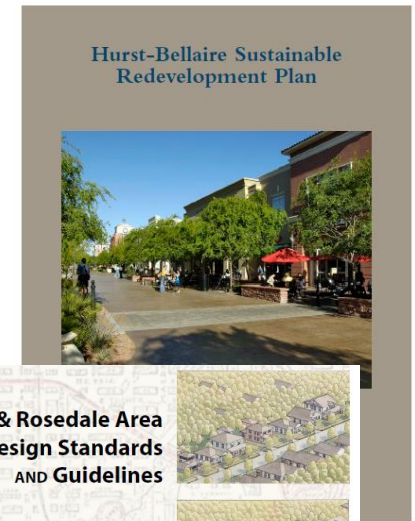
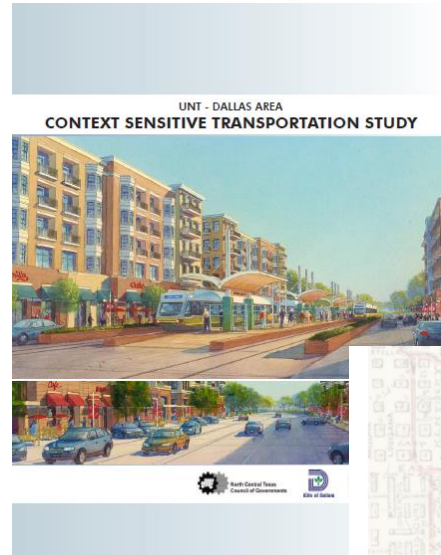


City of Garland- Downtown TOD



Sustainable Development Planning Projects

- Rail Station Area/TOD Plans
- Infrastructure Analysis
- Land Use-Transportation Corridor Studies (Urban Thoroughfares)
- Context Sensitive Transportation Plans
- Form-Based Codes and Design Guidelines
- Downtown Plans/Area Visioning Studies



Questions?

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Patrick Mandapaka, PhD, AICP

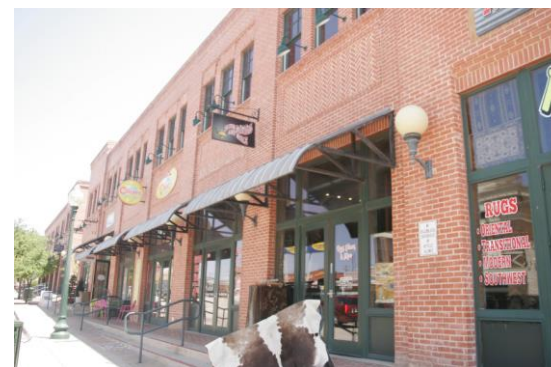
Senior Transportation Planner

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City of Dallas - Design District



City of Grapevine – Fairfield on Main Street



City of The Colony – Austin Ranch

For additional information, visit: <http://www.nctcog.org/trans/sustdev/fundingprogram.asp>



Unmanned Aircraft Systems

Regional Transportation Council

March 12, 2015



North Central Texas
Council of Governments

UAS Defined



UAS is an unmanned aircraft and all of the associated support equipment:

- Control station
- Data links
- Telemetry
- Communications and navigation
- Operator



Benefits of UAS



- Low initial and operating costs
- Multiple law enforcement applications helping prevent loss of life
- Commercial growth
 - **Aerial photogrammetry and surveys**
- Less noise than manned aircraft
- Fewer emissions than manned aircraft
- More dynamic operations

Sample UAS Imagery



Federal Guidance



Civil

Commercial – Prohibited unless granted FAA exemption or Airworthiness Certificate
Recently released NPRM (55lbs or less, daylight only, less than 100 mph)

Hobbyist – Authorized for hobby or recreational purposes **only**

- Must not interfere with manned aircraft
- Flown within sight of the operator
- Within 5 miles of airport must notify the airport/air traffic control

Government

Military – Authorized through military branch/Department of Defense

Certificate of Authorization (COA) – FAA permits public agencies and organizations to operate a particular aircraft, for a particular purpose, in a particular area

Texas State Regulation



Texas Privacy Act HB 912 relating to images captured by unmanned aircraft *allowable* for:

- Professional or scholarly research
- Military operations
- With consent of owners/occupants of real property in image
- Image captured by a law enforcement authority
- Operations in airspace designated as FAA UAS test site or range



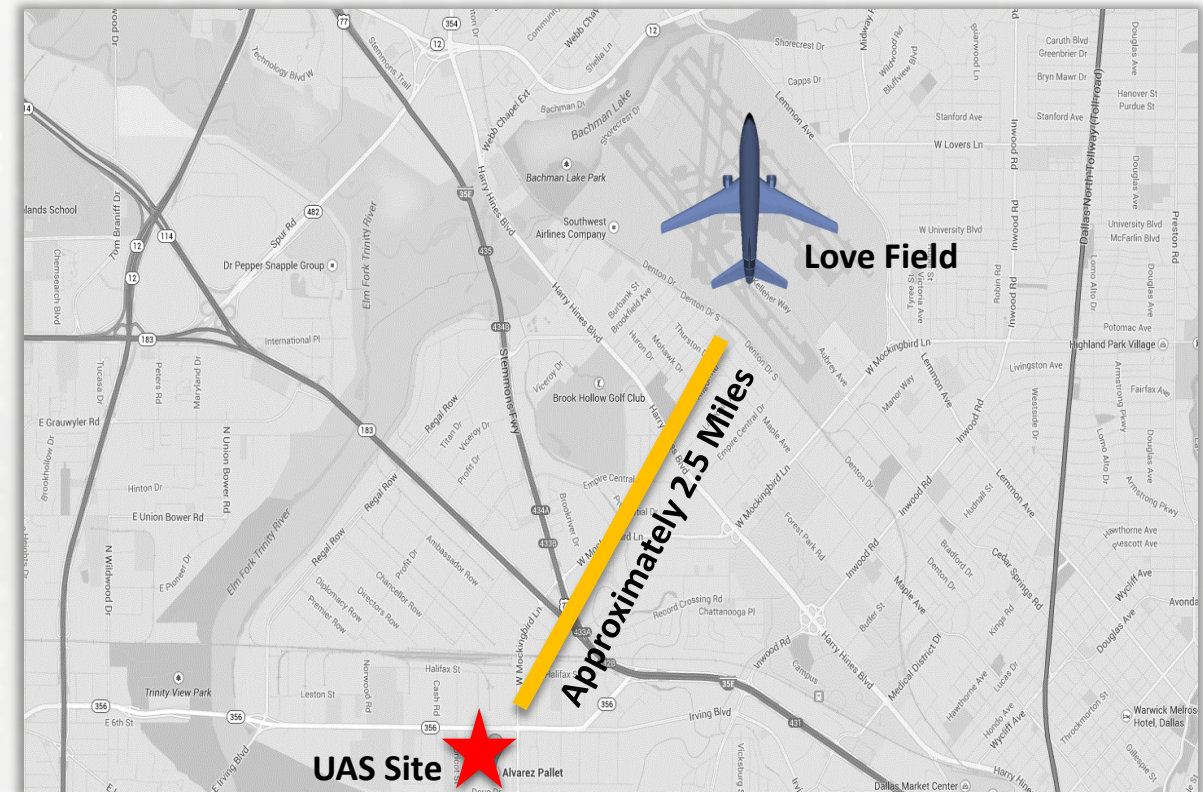
Current Events



October 2014: FAA investigates **UAS crash in Dallas Love Field's airspace.** -NBC DFW



“FAA reports pilots have seen up to 25 cases per month of drones flying above the regulated limit of 400 feet, with some flying as high as 2,000 feet in the air.” -CNN



Operator Education



- UAS incidents rising, increasing activity
- Operator resources
 - Government, Industry – FAA, AMA, AUVSI, Small UAV Coalition
 - Aircraft Owners & Pilots Association (AOPA)



Hobby / Recreational Flying

What Can I Do With My Model Aircraft?

Having fun means flying safely! Hobby or recreational flying doesn't require FAA approval but you must follow safety guidelines. Any other use requires FAA authorization.

AVOID DOING ANYTHING HAZARDOUS TO OTHER AIRPLANES OR PEOPLE AND PROPERTY ON THE GROUND.

- | | |
|--|--|
| ✓ DO fly a model aircraft/UAS at the local model aircraft club | ✗ DON'T fly near manned aircraft |
| ✓ DO take lessons and learn to fly safely | ✗ DON'T fly beyond line of sight of the operator |
| ✓ DO contact the airport or control tower when flying within 5 miles of the airport | ✗ DON'T fly an aircraft weighing more than 55 lbs unless it's certified by an aeromodeling community-based organization |
| ✓ DO fly a model aircraft for personal enjoyment | ✗ DON'T fly contrary to your aeromodeling community-based safety guidelines |
| | ✗ DON'T fly model aircraft for payment or commercial purposes |



MODEL AIRCRAFT OPERATIONS LIMITS

According to the FAA Modernization and Reform Act of 2012 as (1) the aircraft is flown strictly for hobby or recreational use; (2) the aircraft is operated in accordance with a community-based set of safety guidelines and within the programming of a nationwide community-based organization; (3) the aircraft is limited to not more than 55 pounds unless otherwise certified through a design, construction, inspection,

flight test, and operational safety program administered by a community-based organization; (4) the aircraft is operated in a manner that does not interfere with and gives way to any manned aircraft; (5) when flown within 5 miles of an airport, the operator of the aircraft provides the airport operator and the airport air traffic control tower...with prior notice of the operation; and (6) the aircraft is flown within visual line of sight of the operator.

For more information about safety training and guidelines, visit www.modelaircraft.org

For more information, visit
www.faa.gov/go/uas



NCTCOG Airport System Plan Recommendations



Data collection

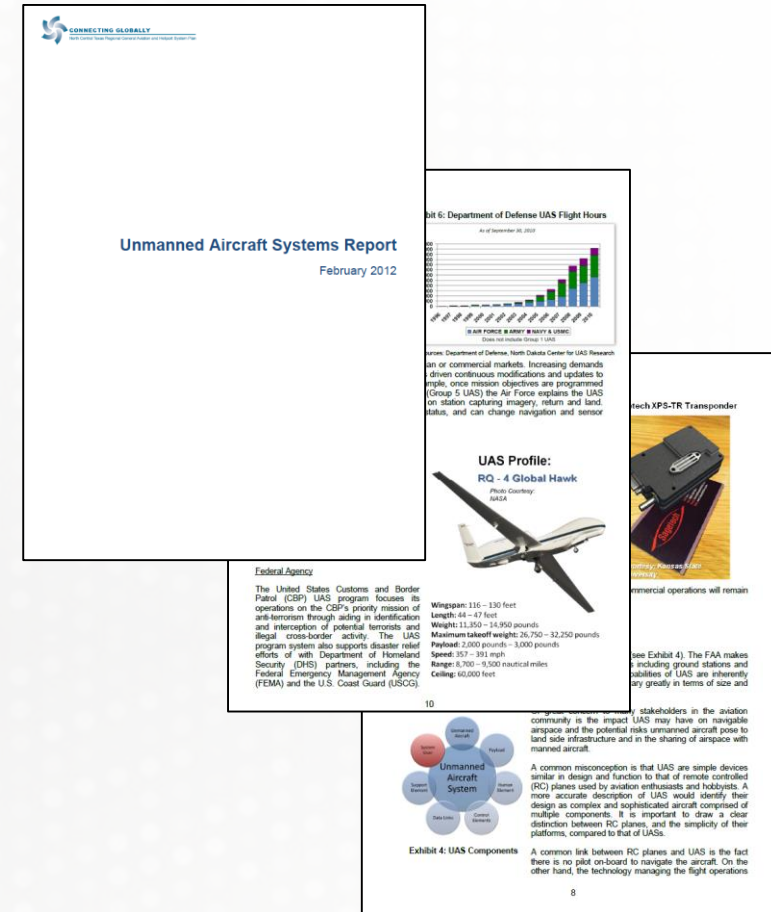
- Track regional UAS operations

Planning

- Infrastructure, necessary security enhancements, airspace, and airport land-use compatibility

Communication

- Organize regional UAS group
- Facilitate outreach and education for regional UAS activity



Regional Coordination



ATTAC Concerns

Privacy

Conflict with manned aircraft

Notification/approval

Operator training/education

Source: ATTAC UAS Survey



NCTCOG Staff Actions

- Committee UAS Workshops – 2014/2015
- Developed online information clearinghouse www.nctcog.org/uas
- Drafted regional guidance report
- Engaged industry stakeholders
- Briefed policy officials and coordinated with FAA (Electronic Item 3.10)



Questions?

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