



MEETING AGENDA

TxDOT Bicycle Advisory Committee (BAC)

July 29, 2016 | 10:00 A.M.
125 E. 11th Street, Delegation Room (1st Floor)
Austin, TX 78701
Teleconference Available for BAC Members

1.	Call to Order.
2.	Safety briefing.
3.	Approval of minutes from January 29, 2016, BAC meeting. (Action)
4.	Report from BAC Chair.
5.	Report from TxDOT's Public Transportation Division Director regarding statewide bicycle and pedestrian matters.
6.	Presentation from North Central Texas Council of Governments on Regional Active Transportation Planning in North Texas.
7.	Presentation from Bike Texas on developing connections to the U. S. Bike Route System in Texas (N/S and E/W).
8.	Discussion on planning a bike ride for BAC members in October 2016. (Action)
9.	Update from committee members on local and statewide issues.
10.	Public comment – public comments will only be accepted in person.
11.	Discussion of agenda items for future BAC meetings. (Action)
12.	Adjourn. (Action)

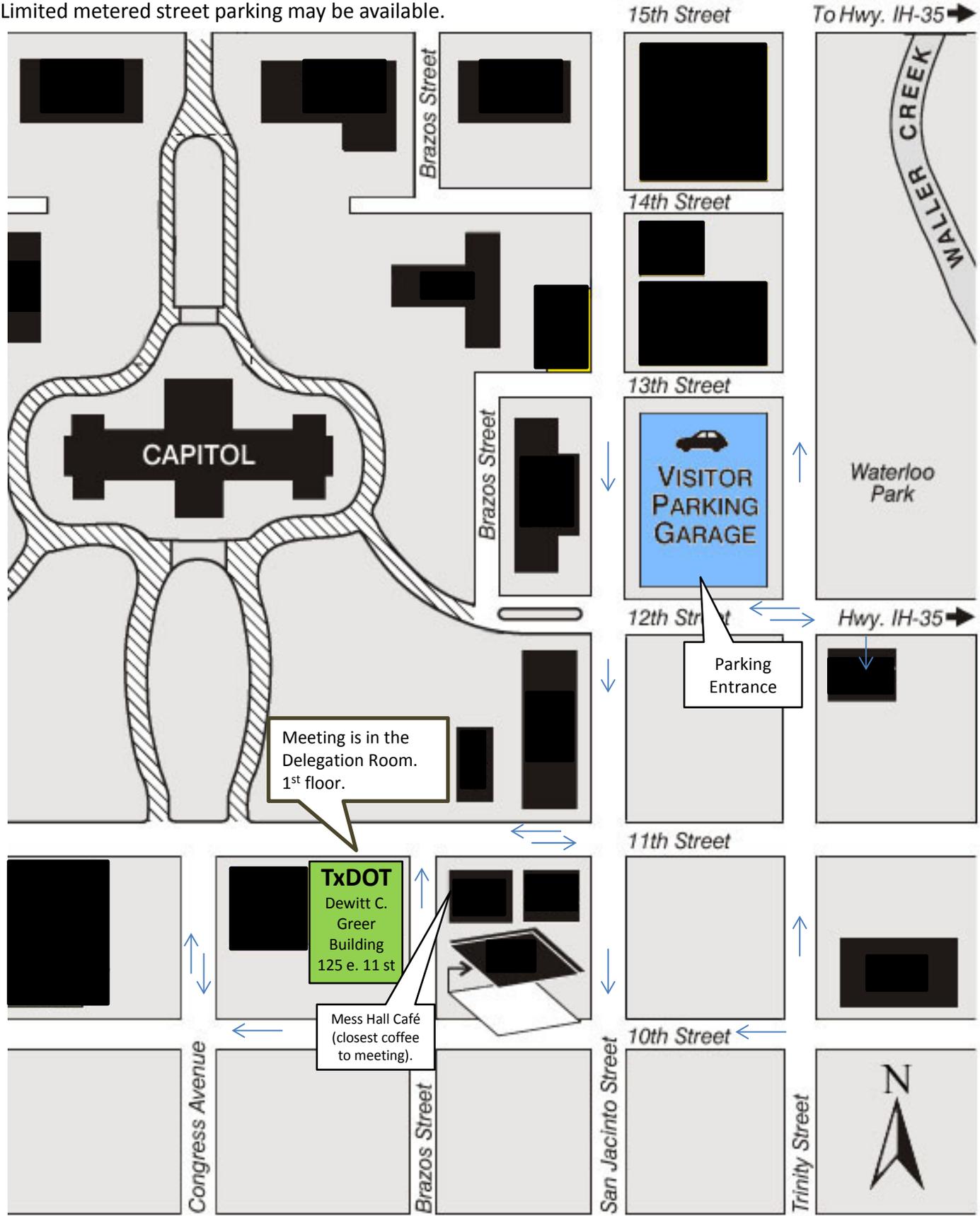
I certify that I have reviewed this document and that it conforms to all applicable Texas Register filing requirements.

CERTIFYING OFFICIAL: Angie Parker, Associate General Counsel, (512) 463-8630.

Parking Map

TxDOT Bicycle Advisory Committee July 29 Meeting

Capitol Visitor Parking Garage – Max. Daily Charge \$10. 2 blocks to TxDOT Bldg. – 125 e. 11th street.
Limited metered street parking may be available.



AGENDA ITEM 3

MINUTES FOR ADOPTION

Bicycle Advisory Committee – Teleconference Meeting
200 E. Riverside Drive, Austin TX, Classroom e
April 29, 2016

BAC Committee Members Present and Participating:

Billy Hibbs, Chair
Karla Weaver
David Steiner
Ann-Marie Williamson
Allison Blazosky
Robert Gonzales

BAC Committee Members Participating Telephonically:

Romero Gonzalez

TxDOT Present and Participating:

Eric Gleason, Director, Public Transportation Division (PTN)
Teri Kaplan, Statewide Bicycle / Pedestrian Coordinator (PTN)
Donna Roberts, Program Services Manager (PTN)
Josh Ribakove, Communications Manager (PTN)
Terry Pence, Section Director, Traffic Safety (TRF)

Also Present and Participating:

Stephanie Lind, CH2M Hill
Veronica Vela Whitacre, City Commissioner, McAllen TX

AGENDA ITEM 1: Call to Order.

Billy Hibbs began the proceedings at 10:01 A.M.

AGENDA ITEM 2: Safety Briefing.

Josh Ribakove provided a safety briefing at 10:02 A.M.

AGENDA ITEM 10, part 1 (taken out of order): Public Comment.

Veronica Vela Whitacre, City Commissioner, McAllen, TX, spoke at 10:03 A.M. Ms. Whitacre gave a presentation on what the City of McAllen has done to become more bicycle-friendly.

AGENDA ITEM 3: Approval of Minutes from October 27, 2015 Meeting (Action).

Billy Hibbs introduced this item at 10:16 A.M.

MOTION Allison Blazosky moved to approve the January 29, 2016, meeting minutes.

SECOND Karla Weaver seconded the motion.

The motion passed unanimously at 10:16 A.M.

AGENDA ITEM 4: Report from BAC Chair.

Billy Hibbs delivered his report beginning at 10:17 A.M. Topics covered included 1) a recap from the March Commission meeting in which Billy and Eric spoke 2) a discussion about how to report bicycle safety concerns and 3) Billy introduced TxDOT's new bicycle jersey and offered to purchase one jersey for each BAC member.

AGENDA ITEM 5: Report from TxDOT's Public Transportation Division Director regarding statewide bicycle and pedestrian matters.

Eric Gleason delivered his report beginning at 10:28 A.M. Topics included the Transportation Alternatives Program (TAP) and BikeStripe.

Comments and discussion: Karla Weaver, Eric Gleason.

AGENDA ITEM 6: Presentation and discussion on implementing TxDOT's *Bicycle and Pedestrian Strategic Direction Report*. (Action)

Teri Kaplan began this presentation at 10:39 A.M.

Questions/Comments: Karla Weaver, Billy Hibbs, Eric Gleason, Teri Kaplan.

No action taken.

AGENDA ITEM 7: Discussion on Safe Routes to School non-infrastructure funding. (Action)

Terry Pence began this presentation at 10:46 A.M. He presented an event kit created by TxDOT for use by schools in seatbelt awareness campaigns and suggested that a similar kit could be created for a campaign around bicycle safety awareness.

Questions/Comments: Billy Hibbs, Robert Gonzales, Eric Gleason, Teri Kaplan, Terry Pence.

No action taken.

AGENDA ITEM 8: Discussion on development of TxDOT's webpage for TxDOT's Bicycle and Pedestrian Program. (Action)

Stephanie Lind led this discussion beginning at 11:00 A.M. She gave an update on the progress of the project and opened the discussion for questions and comments.

Questions/Comments: Billy Hibbs, Karla Weaver, Eric Gleason

AGENDA ITEM 9: Update from committee members on local and statewide issues.

Billy Hibbs introduced this item at 11:08 A.M.

Contributions from Romero Gonzalez, Allison Blazosky, Karla Weaver, Ann-Marie Williamson, David Steiner, and Robert Gonzales.

AGENDA ITEM 10: Public Comment.

Robin Stallings of BikeTexas spoke at 11:22. Topics included the relative value and usefulness of striped and protected bike lanes; funds that are flexed for various uses by TxDOT; TxDOT's highway rest stops; and possible bicycling routes across Texas, both east-west and north-south. Bike Texas was invited to give a presentation on developing connections to the U. S. Bike Route System in July.

Comments and discussion: Billy Hibbs, Allison Blazosky, Romero Gonzalez, Karla Weaver, Eric Gleason, Robin Stallings.

AGENDA ITEM 11: Discussion of BAC 2016 meeting schedule and agenda items for future BAC meetings; confirm date of next BAC meeting (Action).

This item was skipped.

AGENDA ITEM 13: Adjourn (Action).

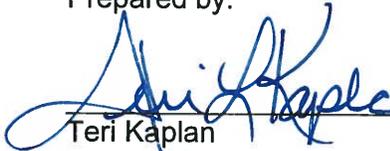
Billy Hibbs opened this item at 11:33 P.M.

MOTION Ann-Marie Williamson moved to adjourn the meeting.

SECOND Roberto Gonzales seconded the motion.

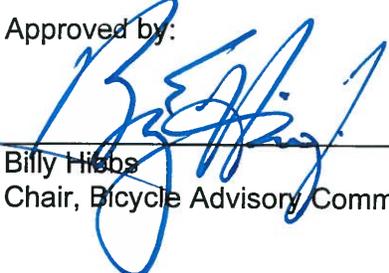
The motion passed at 11:33 A.M. Meeting adjourned.

Prepared by:


Teri Kaplan

Public Transportation Division

Approved by:


Billy Hibbs

Chair, Bicycle Advisory Committee

AGENDA ITEM 6

Regional Planning: Implementing a Regional Trail and Bikeway Network

Dallas - Fort Worth Region

Karla Weaver, AICP

Program Manager



North Central Texas
Council of Governments

North Central Texas Council of Governments

Metropolitan Planning
Organization (MPO)
for the
Dallas-Fort Worth Region



Overview

NCTCOG Overview

Overview of the Active Transportation Program and Regional Projects

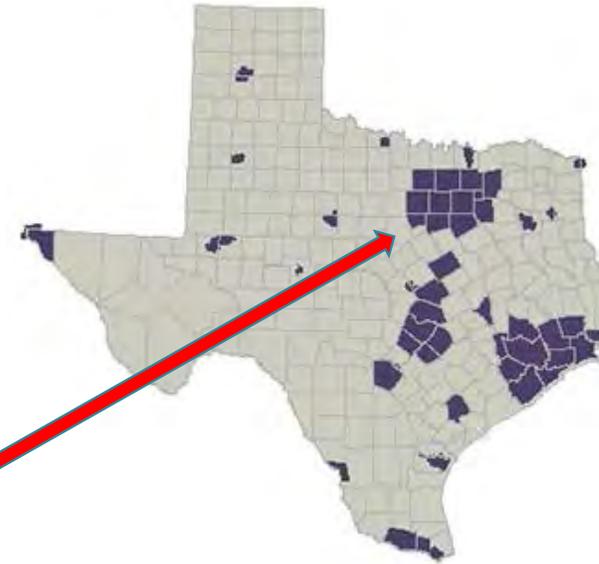
- Regional Veloweb and On-Street Bikeways
- Highlighted Regional Trail Corridors
- Complete Streets
- Routes to Rail Stations
- Pedestrian / Bike Safety
- Safety and Education Campaign
- Stakeholder Training and Workshops
- Trail Data Collection and User Counts

Texas Metropolitan Planning Organizations

Metropolitan areas
with populations of
greater than
50,000

25 in Texas
420 in the US

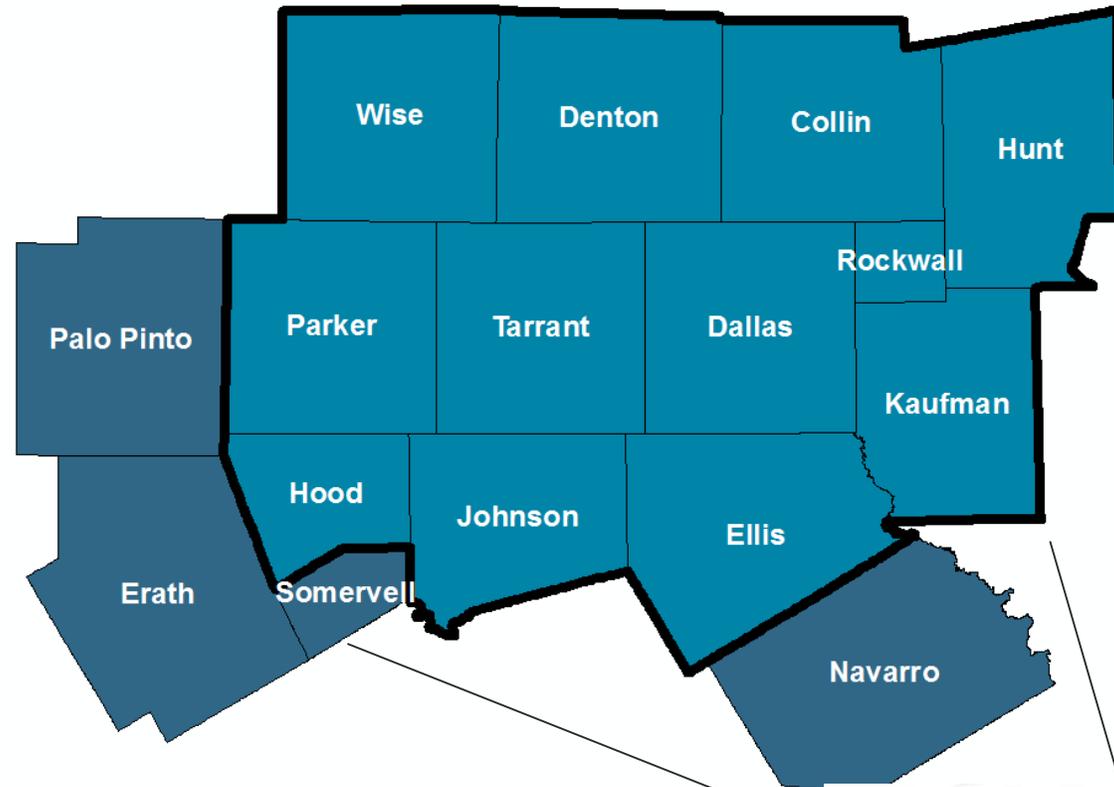
- Abilene
- Amarillo
- Austin
- Beaumont-Port Arthur
- Brownsville
- Bryan-College Station
- Corpus Christi
- **Dallas-Fort Worth**
- El Paso
- Harlingen-San Benito
- Hidalgo County
- Houston-Galveston
- Killeen-Temple
- Laredo
- Longview
- Lubbock
- Permian Basin



- San Angelo
- San Antonio-Bexar County
- Sherman-Denison
- Texarkana
- Tyler
- Victoria
- Waco
- Wichita Falls

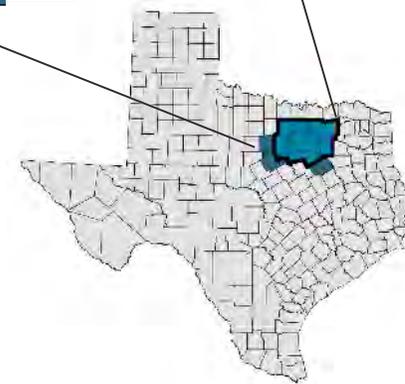
North Central Texas Council of Governments

MPO for the
Dallas-Fort Worth Region



NCTCOG Region = 16 counties

Metropolitan Planning Area
12 Counties = 9,441 sq. mi.



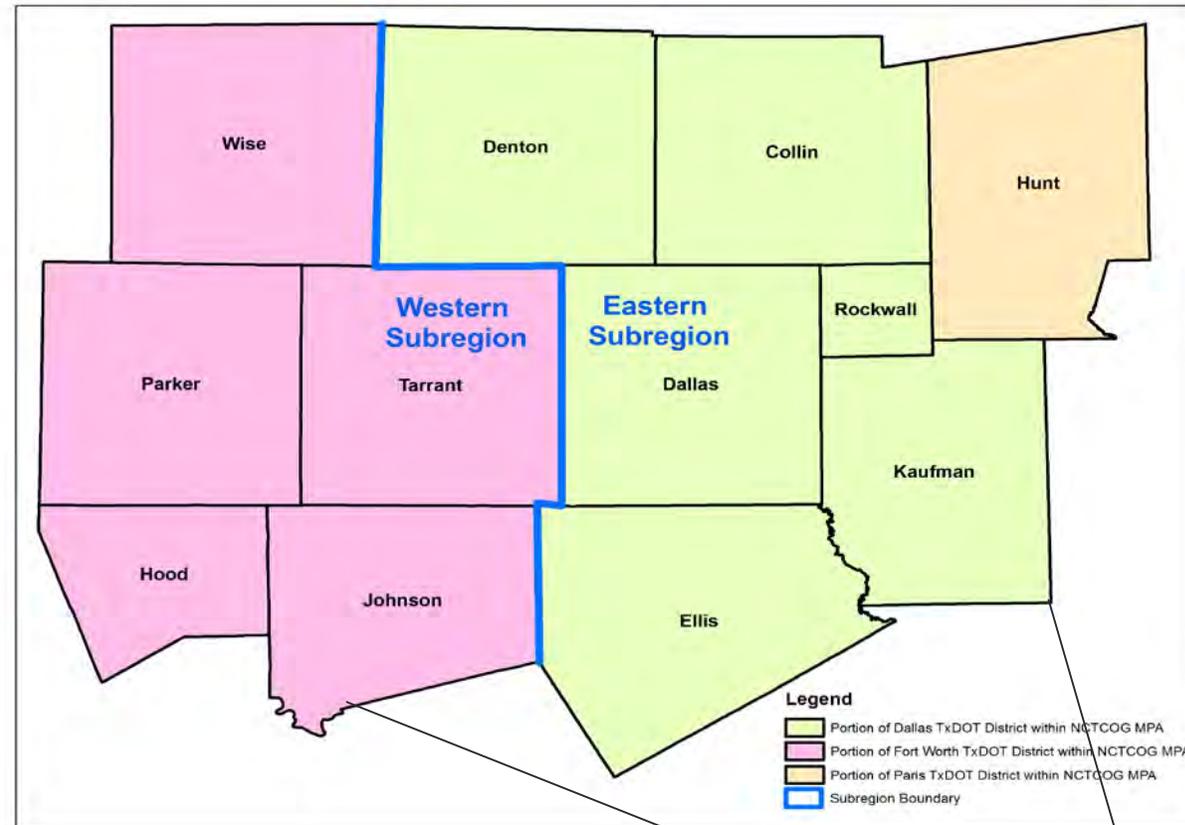
Land area larger than the states of
New Hampshire, New Jersey, Connecticut,
Delaware, and Rhode Island.



North Central Texas
Council of Governments

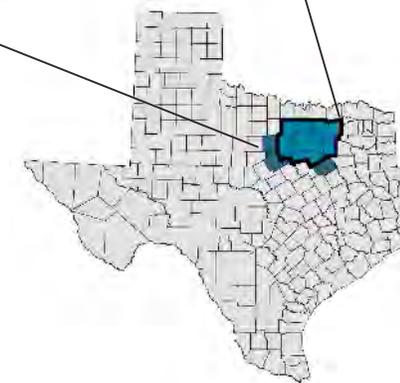
North Central Texas Council of Governments

MPO for the Dallas-Fort Worth Region



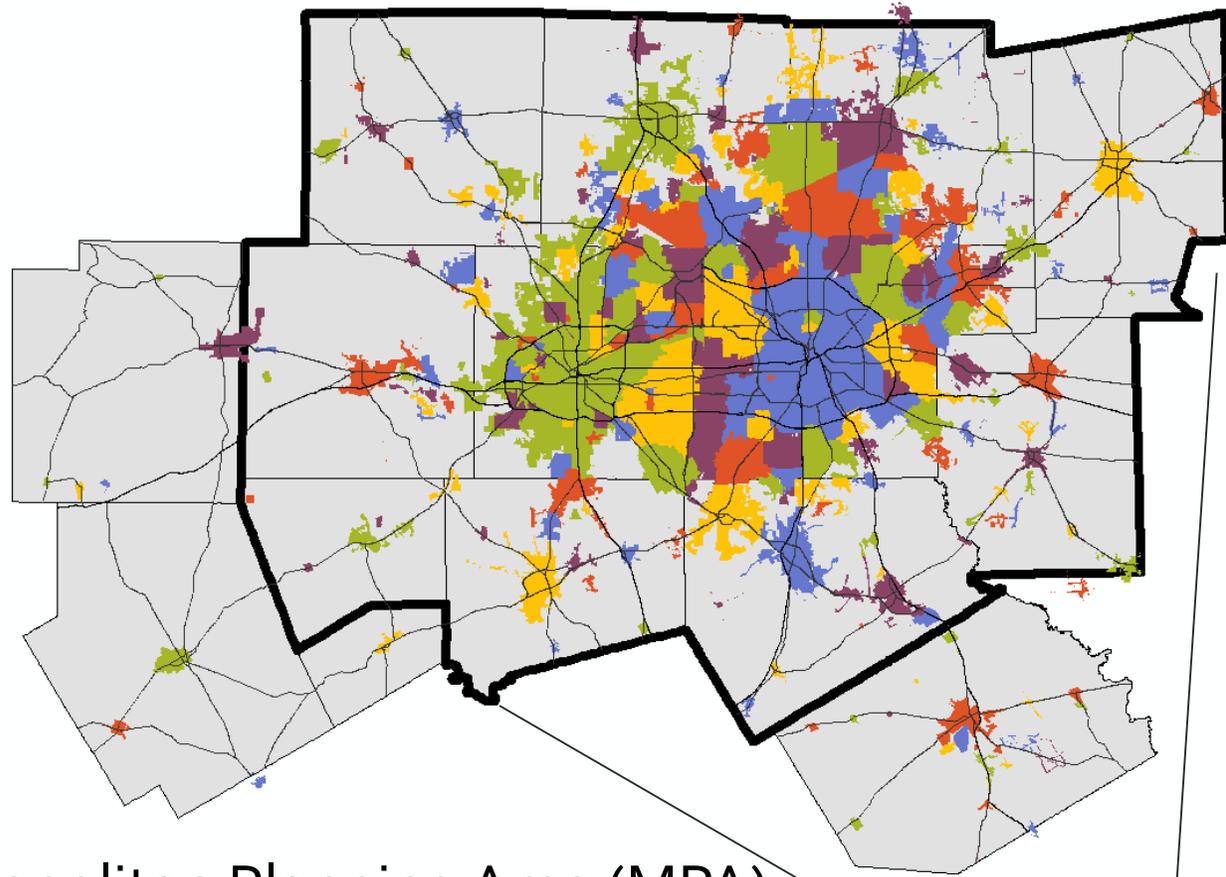
Portions of Three TxDOT Districts

Dallas District
Fort Worth District
Paris District



North Central Texas Council of Governments

MPO for the Dallas-Fort Worth Region



Metropolitan Planning Area (MPA)

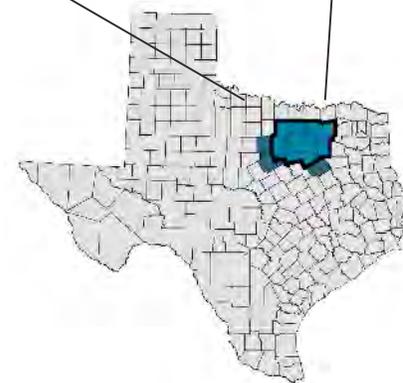
209 cities

13 cities larger than 100,000 pop.

MPA Population

2017 Estimate = 7.2 million

2040 Forecast = 10.7 million



Planning for All Ages and Abilities

(Designing for Ages 8 to 80)



Children



Walk



Commute



Adults



Fitness

Regional Veloweb

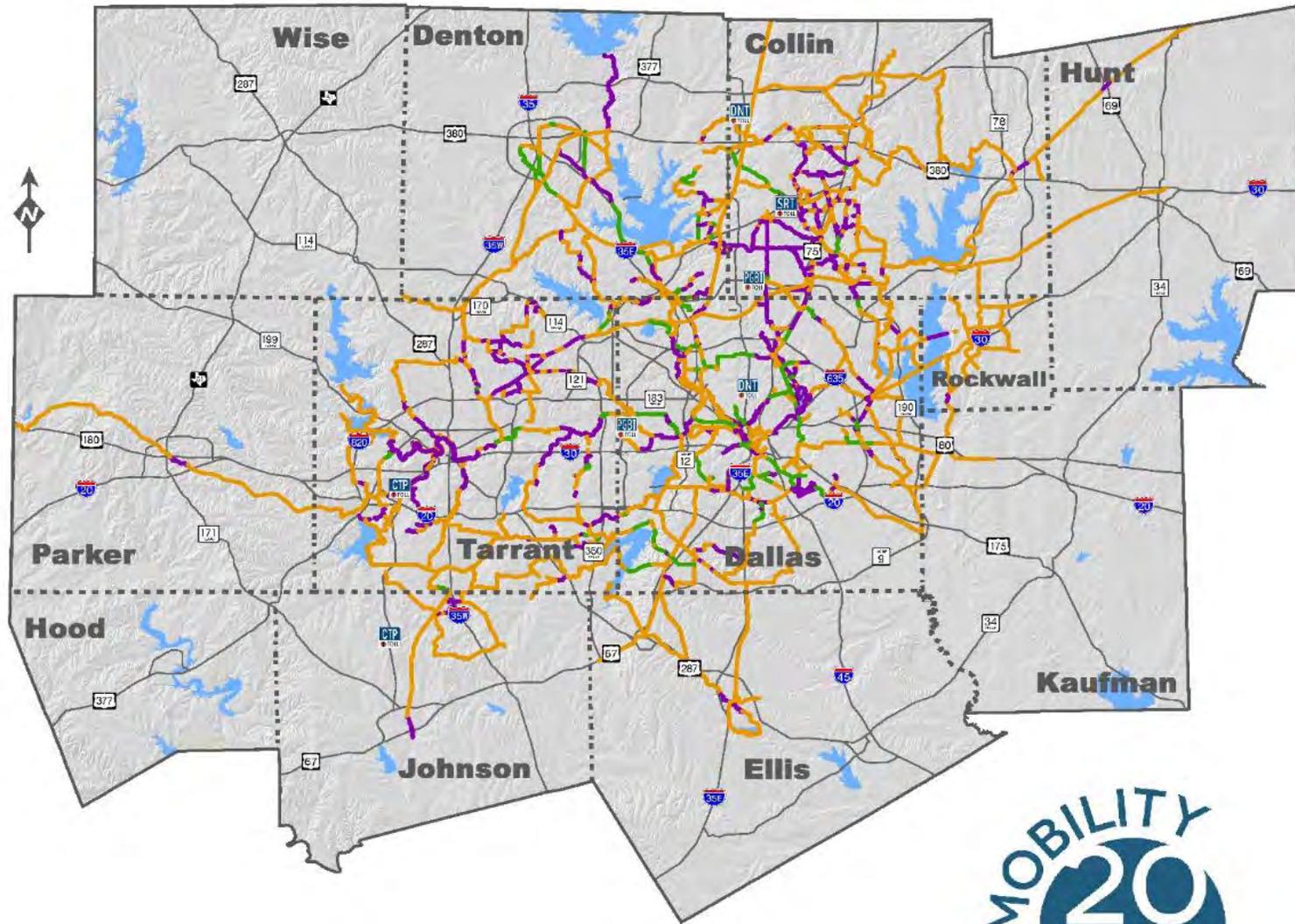
Facility Status

- Existing 442 Miles
- Funded 146 Miles
- Planned 1,296 Miles
- Total 1,884 Miles
- Major Roads

Dallas CBD



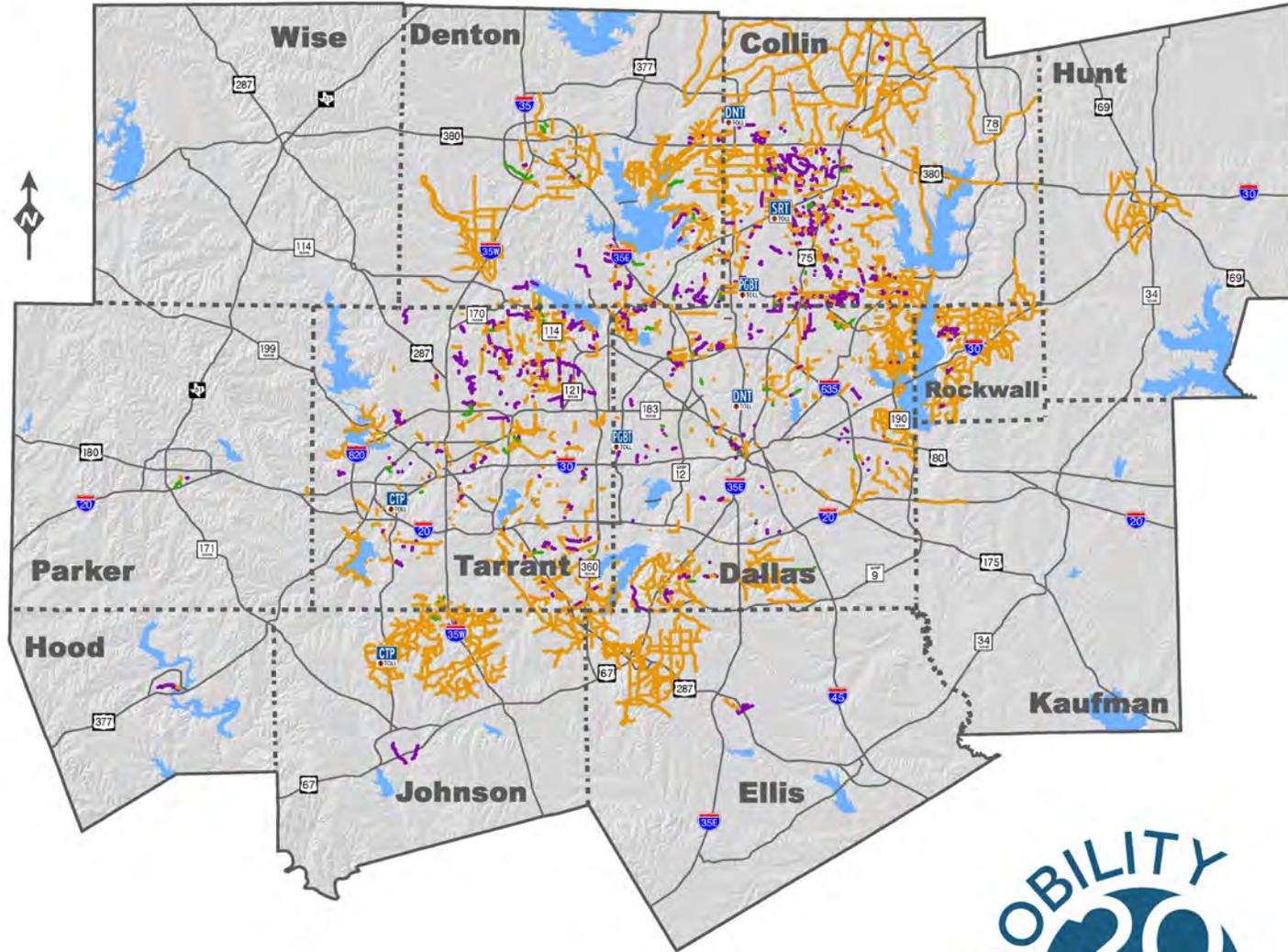
Fort Worth CBD



Community Shared-Use Paths

Community Paths*

- Existing 333 Miles
- Funded 42 Miles
- Planned 1,999 Miles
- Total 2,374 Miles
- Major Roads



 North Central Texas
Council of Governments
March 2016

*The Community Shared-Use Paths supplement the Regional Veloweb network. These paths do not include recreational paths/loops, private paths, equestrian or nature trails, or wide sidewalks less than 10-feet in width.

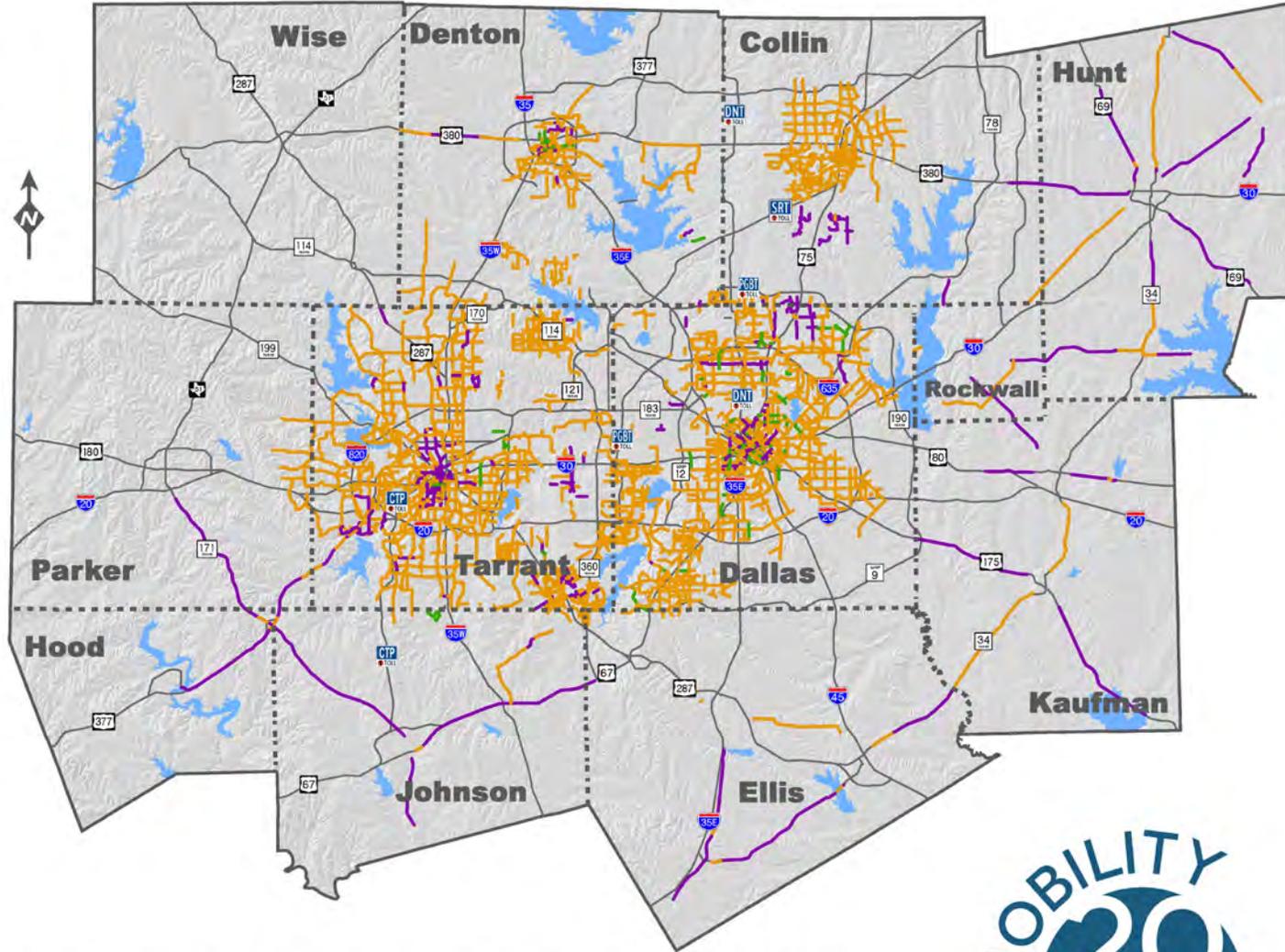
Facility recommendations indicate transportation need. Corridors specific alignment, design, and operational characteristics for these paths will be determined through ongoing project development.



On-Street Bikeway Network

On-Street Bikeways*

- Existing 448 Miles
- Funded 71 Miles
- Planned 2,261 Miles
- Total 2,780 Miles
- Major Roads



 North Central Texas
Council of Governments
March 2016

*On-street bikeways in the urbanized area include: separated or protected bike lanes/cycle tracks, bike lanes, marked shared lanes, and marked bicycle boulevards.

On-street bikeways in the urbanized area do not include: signed bike "routes", signed "share the road", unmarked wide outside lanes, or signed wide shoulders. The use of wide shoulders are included on various roadways linking rural communities outside of the urbanized area.

Facility recommendations indicate transportation need. Corridors specific alignment, design, and operational characteristics for the network will be determined through ongoing project development.



Paved shoulders
in rural areas provide
opportunities to travel
between small towns

Legend

Regional Trails

2040 Regional Veloweb

Trails and Bikeways

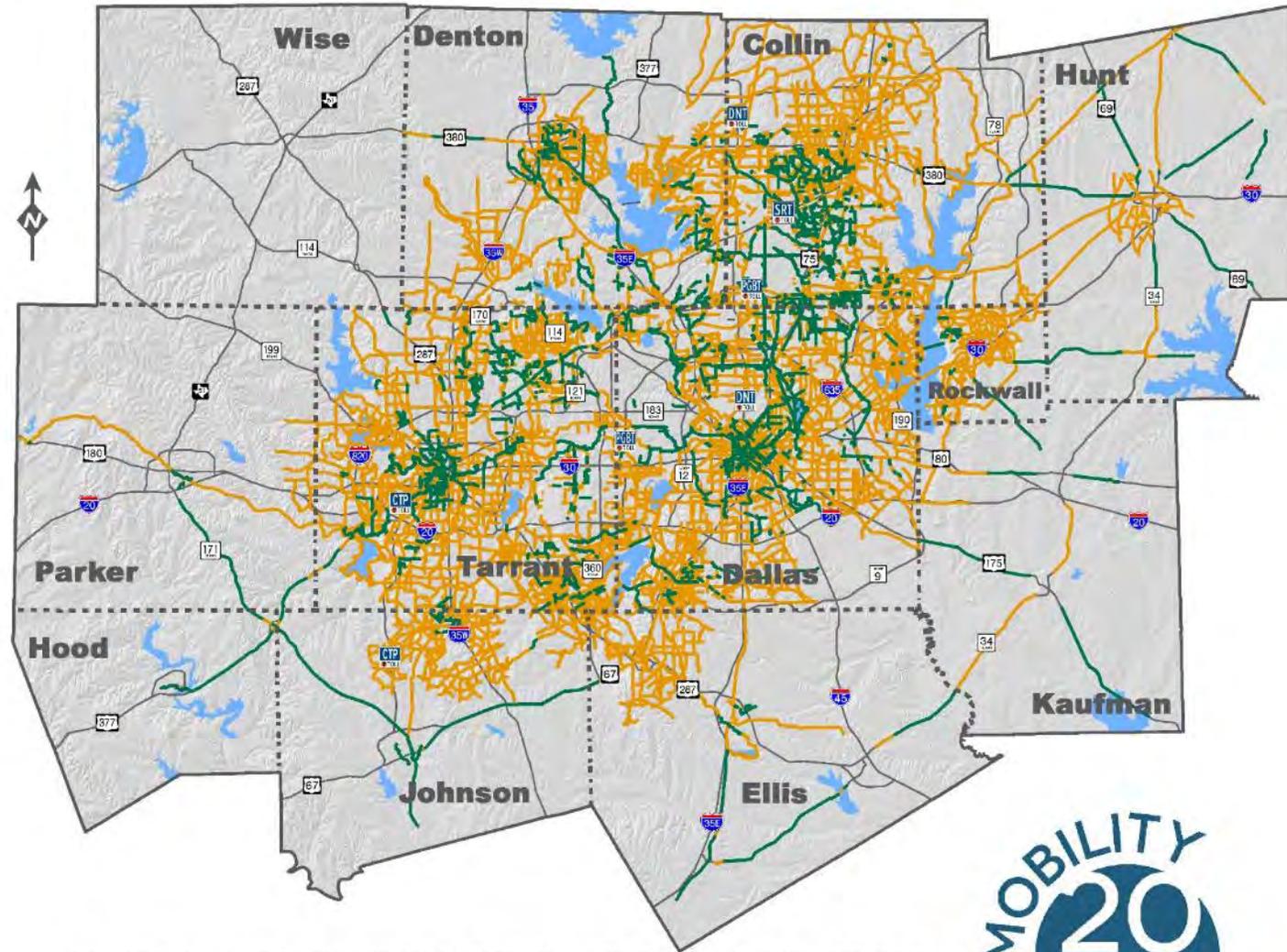
- Off-Street, Existing
- Off-Street, Funded
- Off-Street, Planned
- On-Street, Existing
- On-Street, Funded
- On-Street, Planned
- Rural Paved Shoulders, Existing
- Rural Paved Shoulders, Planned





Combined Regional Veloweb, Community Paths and On-Street Bikeway Network

- Existing/Funded*
1,482 Miles
- Planned*
5,556 Miles
- Total 7,038 Miles
- Major Roads



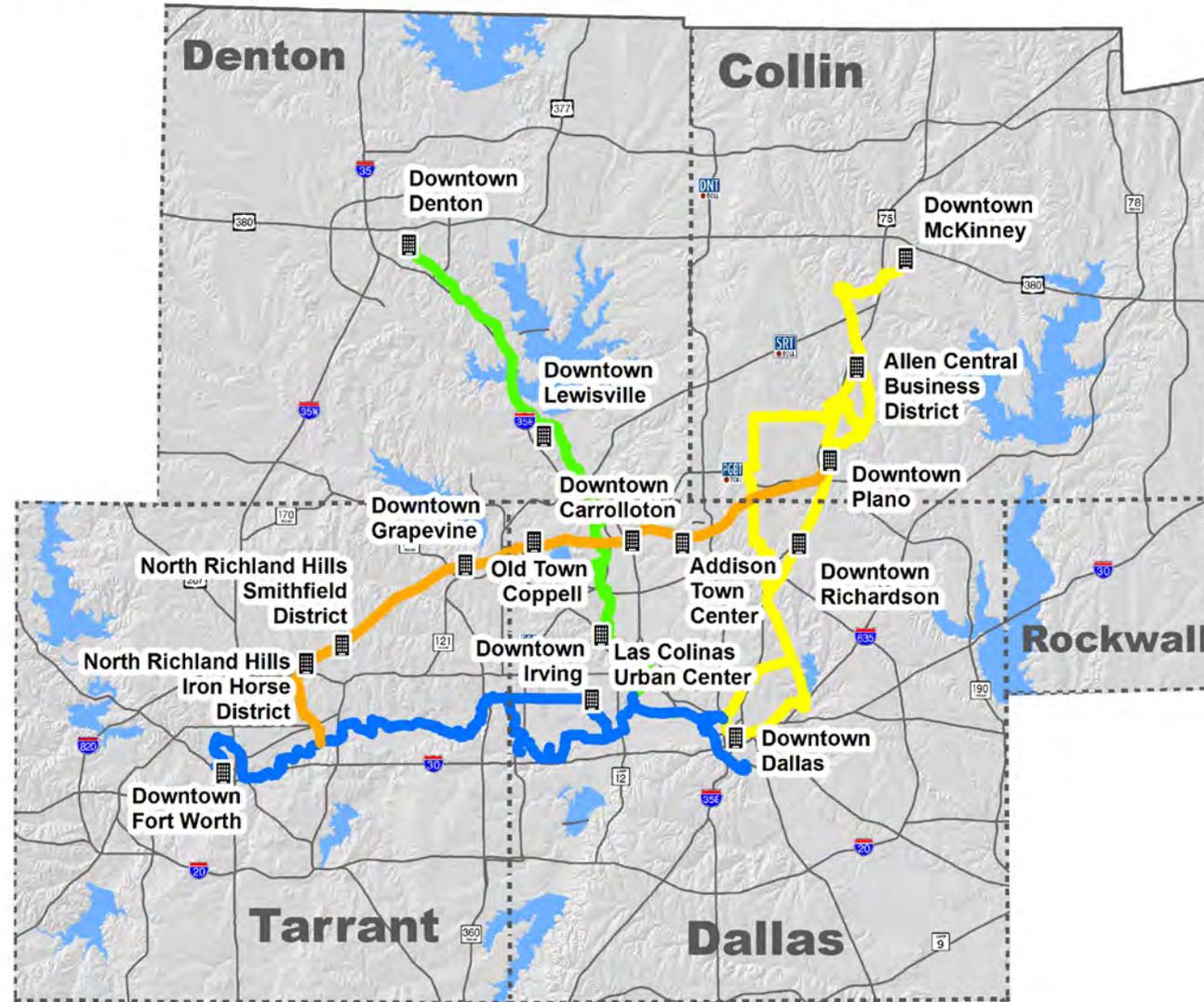
*The Regional Veloweb and Community Shared Use Path network does not include recreational paths/loops, private paths, equestrian or nature trails, or wide sidewalks less than 10-feet in width.

On-street bikeways in the urbanized area include: separated or protected bike lanes / cycle tracks, bike lanes, marked shared lanes, and marked bicycle boulevards. On-street bikeways in the urbanized area do not include: signed bike "routes", signed "share the road", unmarked wide outside lanes, or signed wide shoulders.

The use of wide shoulders are included on various roadways linking rural communities outside of the urbanized area.

Facility recommendations indicate transportation need. Corridors specific alignment, design, and operational characteristics for the network will be determined through ongoing project development.

Highlighted Regional Trail Corridors



-  Cotton Belt Regional Trail Corridor
-  Fort Worth to Dallas Regional Trail Corridor
-  Dallas to McKinney Regional Trail Corridor
-  Denton to Dallas Regional Trail Corridor

Fort Worth to Dallas Regional Trail



Existing and Funded	17.7 miles	7.4 miles	4.5 miles	13.1 miles	10.1 miles
Planned and Unfunded	5.7 miles	0	3.5 miles	1.5 miles	0



Multimodal Complete Streets

There is no singular design prescription for Complete Streets;

each one is unique and responds to its community context.

What are Complete Streets?



Source: City of Dallas

They are designed and operated to enable safe access for all users, including pedestrians, bicyclists, motorists and transit riders of all ages and abilities.

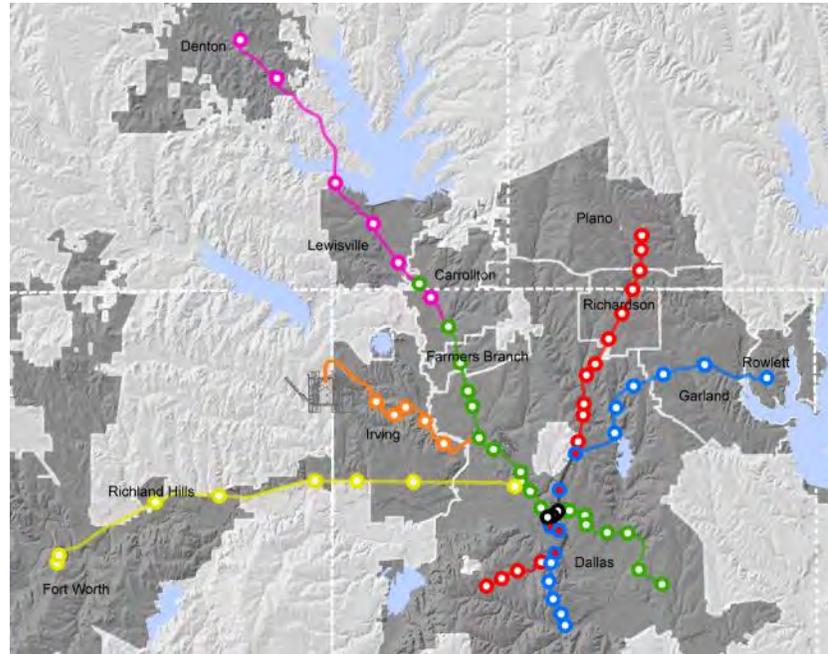
Source: Smart Growth America



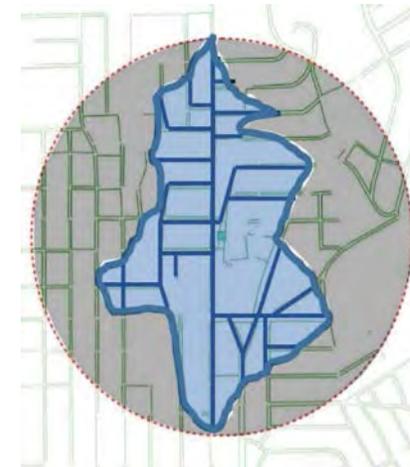
Pedestrian and Bicycle Routes to Rail Stations

Distance and gaps in the actual "Routes" to stations (walksheds)

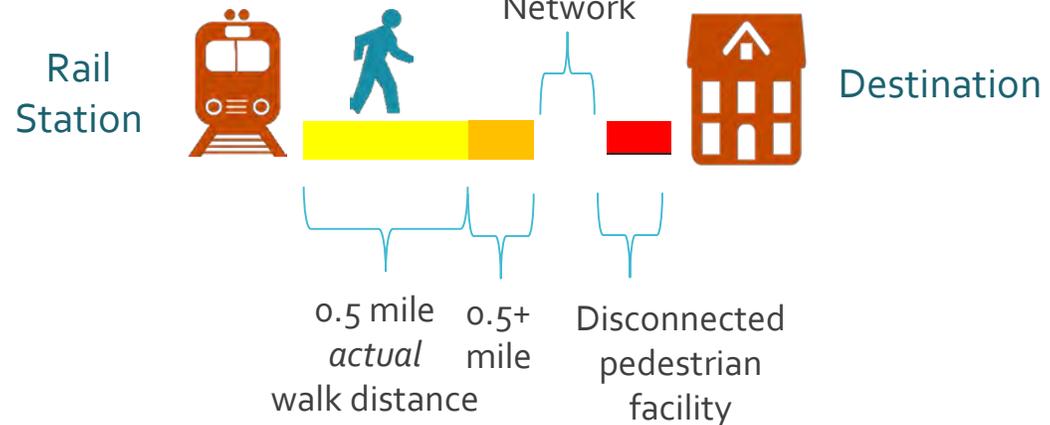
nctcog.org/RoutesToRail



"A true walkable radius does not typically exist."

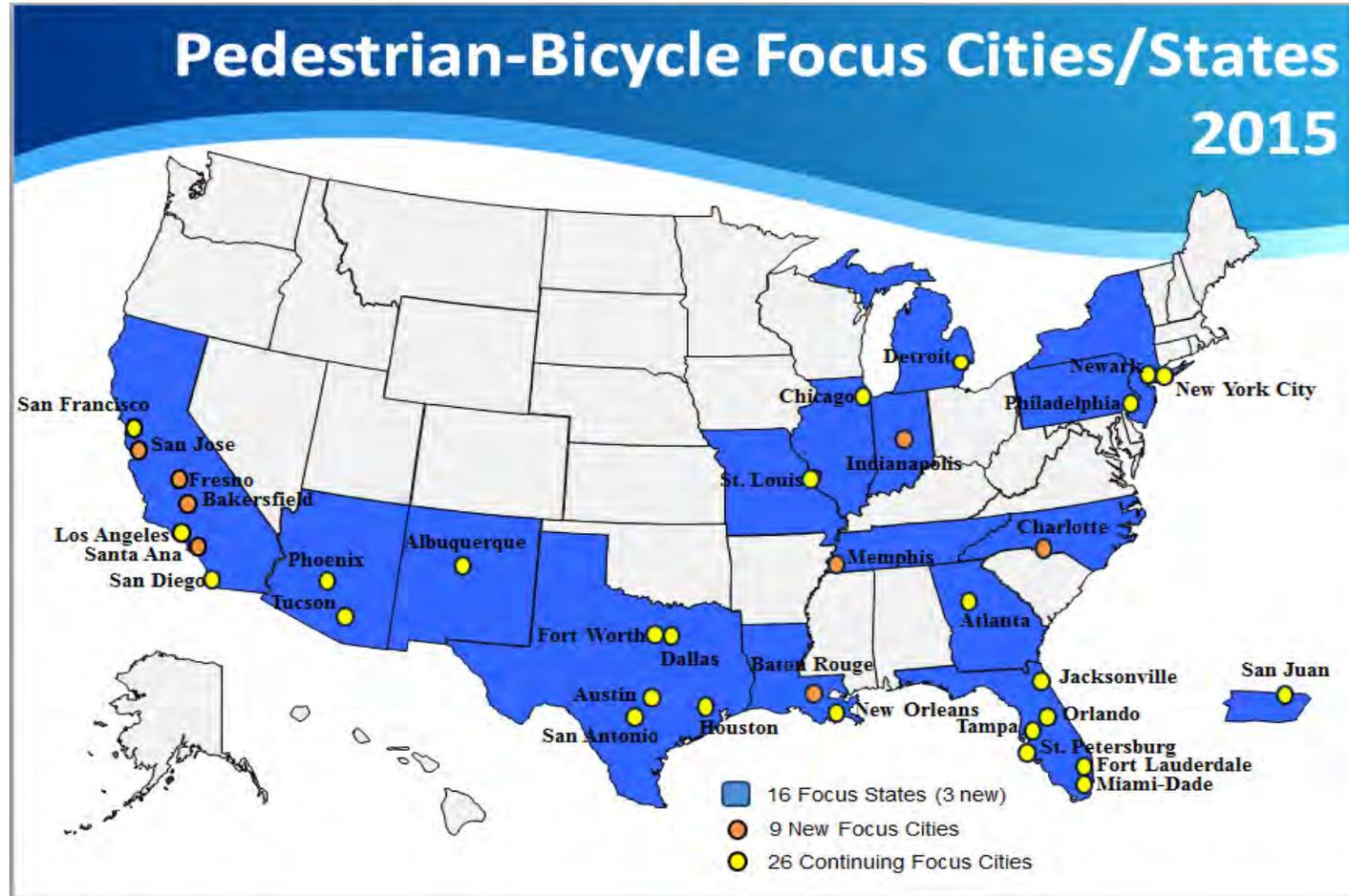


Barriers and Gaps in the Network



FHWA Pedestrian- Bicycle Safety Focus States and Cities

States and cities with
the highest pedestrian
fatalities and/or fatality
rates



Pedestrian Fatality Rates*

(Per 10k walking commuters)

#41: Texas

Top 50 Cities*

#26 Austin

#37 Houston

#44 San Antonio

#47: Dallas

#50: Fort Worth

*Source: Bicycling and Walking in the United States: 2014 Benchmarking Report

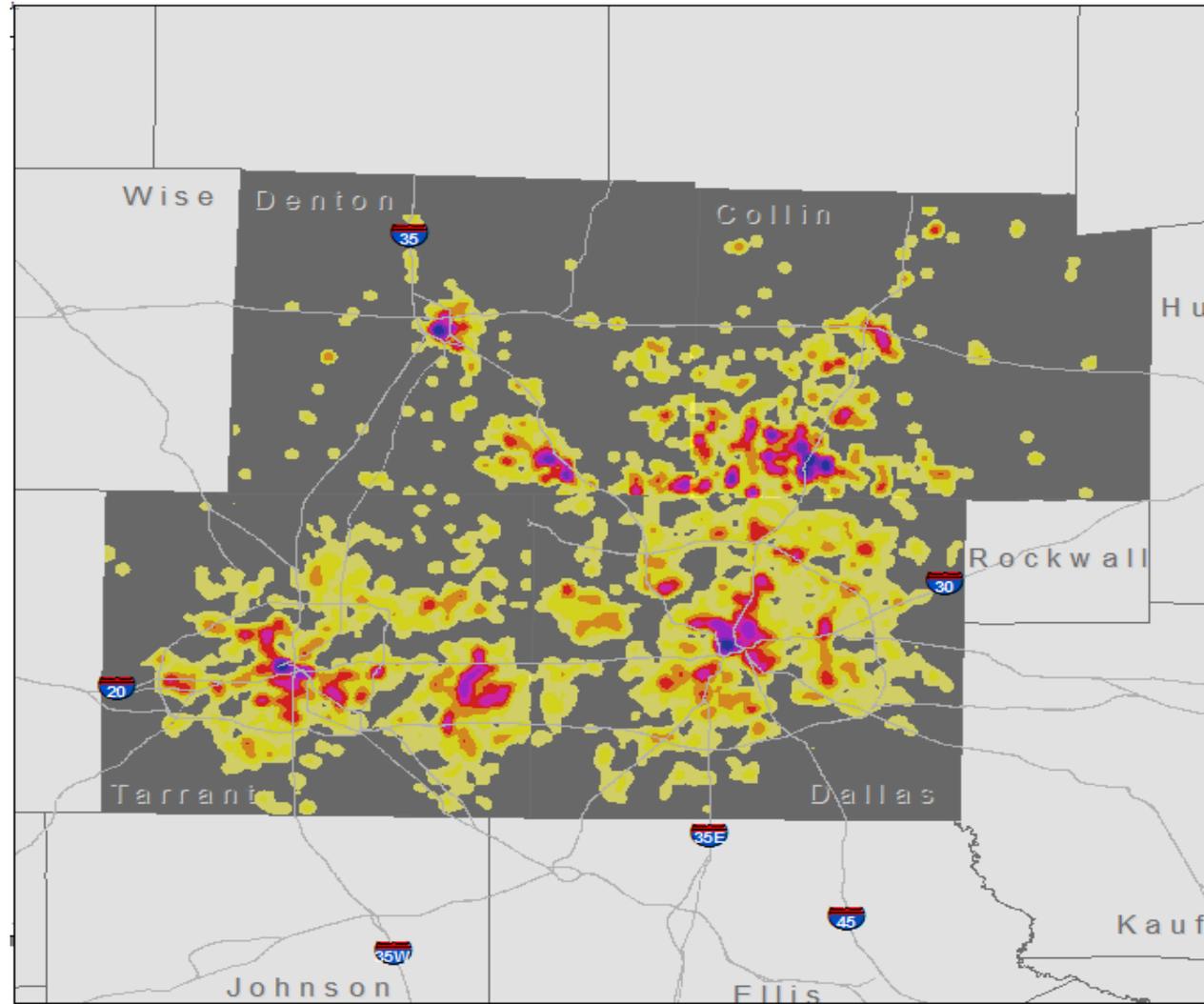


Regional Bicycle/ Pedestrian Crash Data

Bicycle and
Pedestrian Crash
Density
(2010-2014)

Legend

- No Crash Density
- Low Crash Density
- Medium Crash Density
- High Crash Density
- Very High Crash Density
- Highway

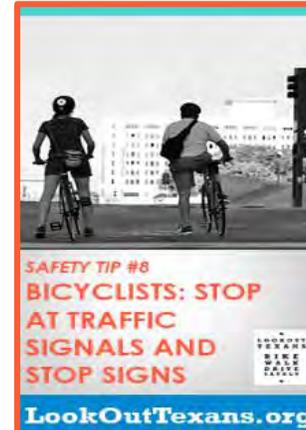


0 5 10 20 Miles



Regional Safety and Education Campaign

- Promotes bicycle and pedestrian safety
- Rights and responsibilities of all road users
- Additional targeted messaging for:
 - School-age children
 - University students
 - Spanish speaking residents



Education and Training for Stakeholders in the Region

Workshops and Training

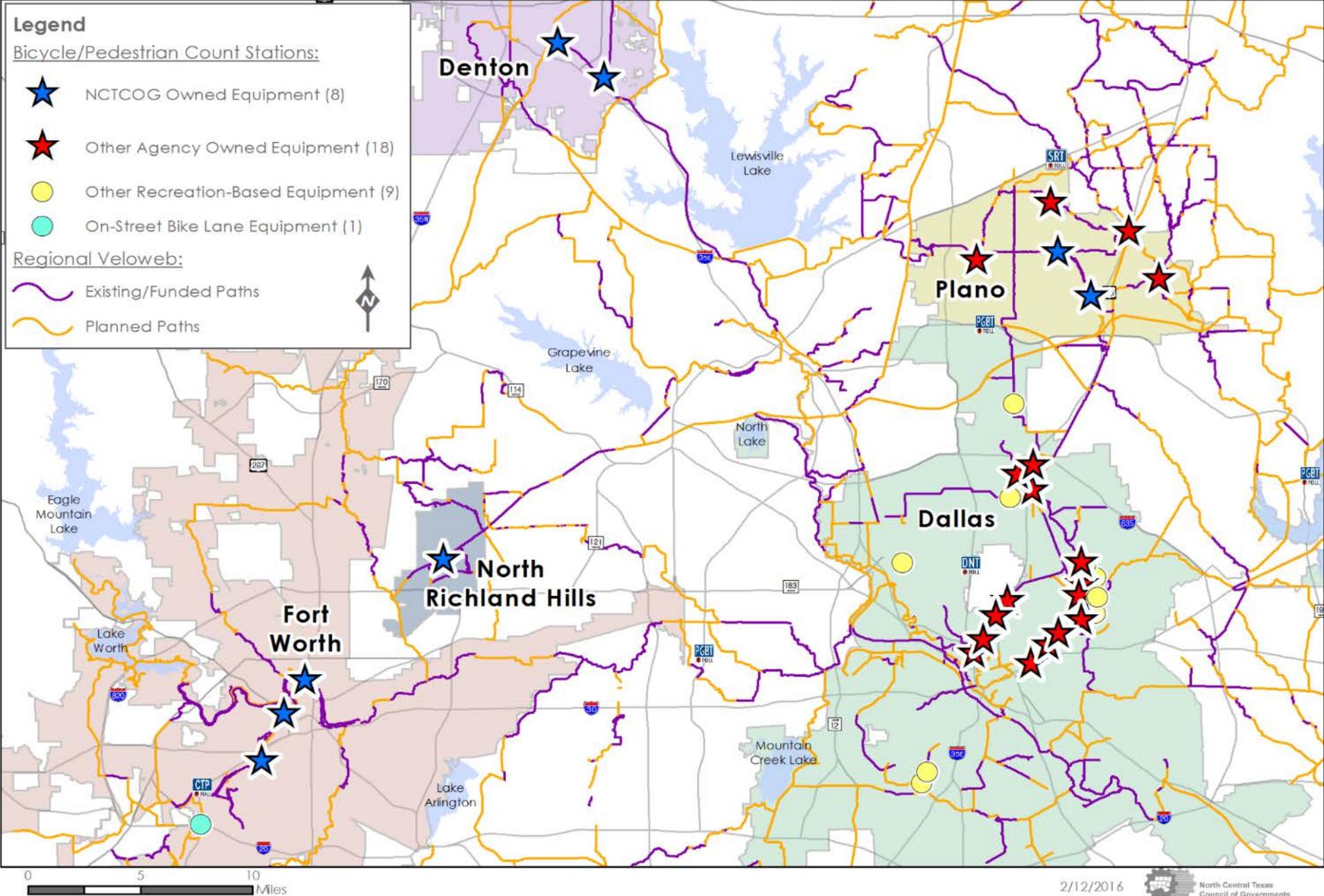
- Designing for Pedestrian Safety
- Pedestrian Safety Assessments
- ADA / Transition Plans
- AASHTO Bicycle Guide
- NACTO Urban Bikeways
- Complete Streets
- Separated Bike Lanes and Protected Intersections
- Modern Roundabouts

Regional Participants

- Engineers, Planners, Traffic and Public Works Staff
- TxDOT, City / County Staff, Transportation Agencies
- Case Study Site Visit Exercises



Bicycle and Pedestrian Count Stations in the North Central Texas Region



Bicycle and Pedestrian Traffic Count Program

nctcog.org/bikepedcountdata

2015 Data Overview

26 Locations

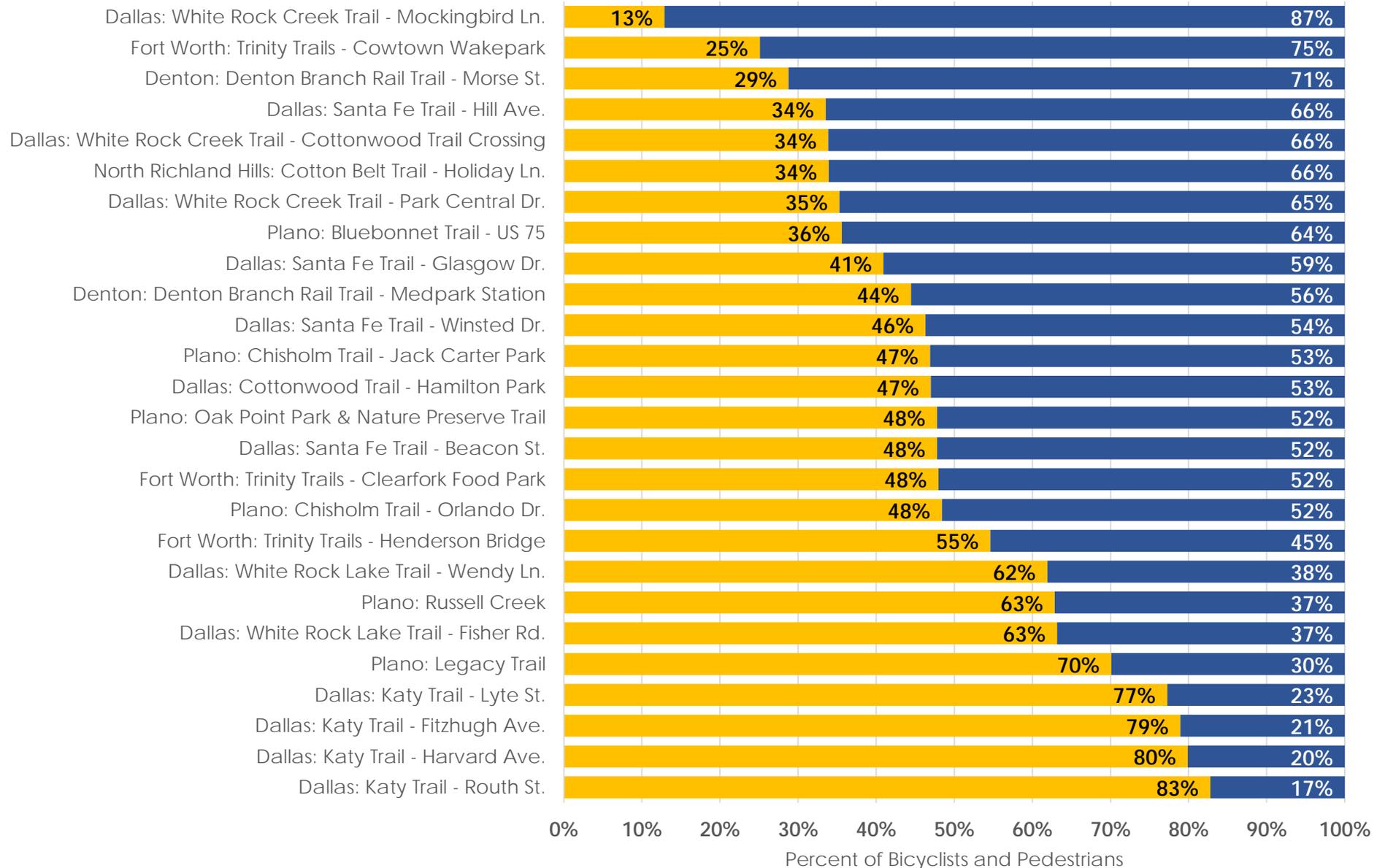
4.2 Million

Bicyclists and Pedestrians Counted



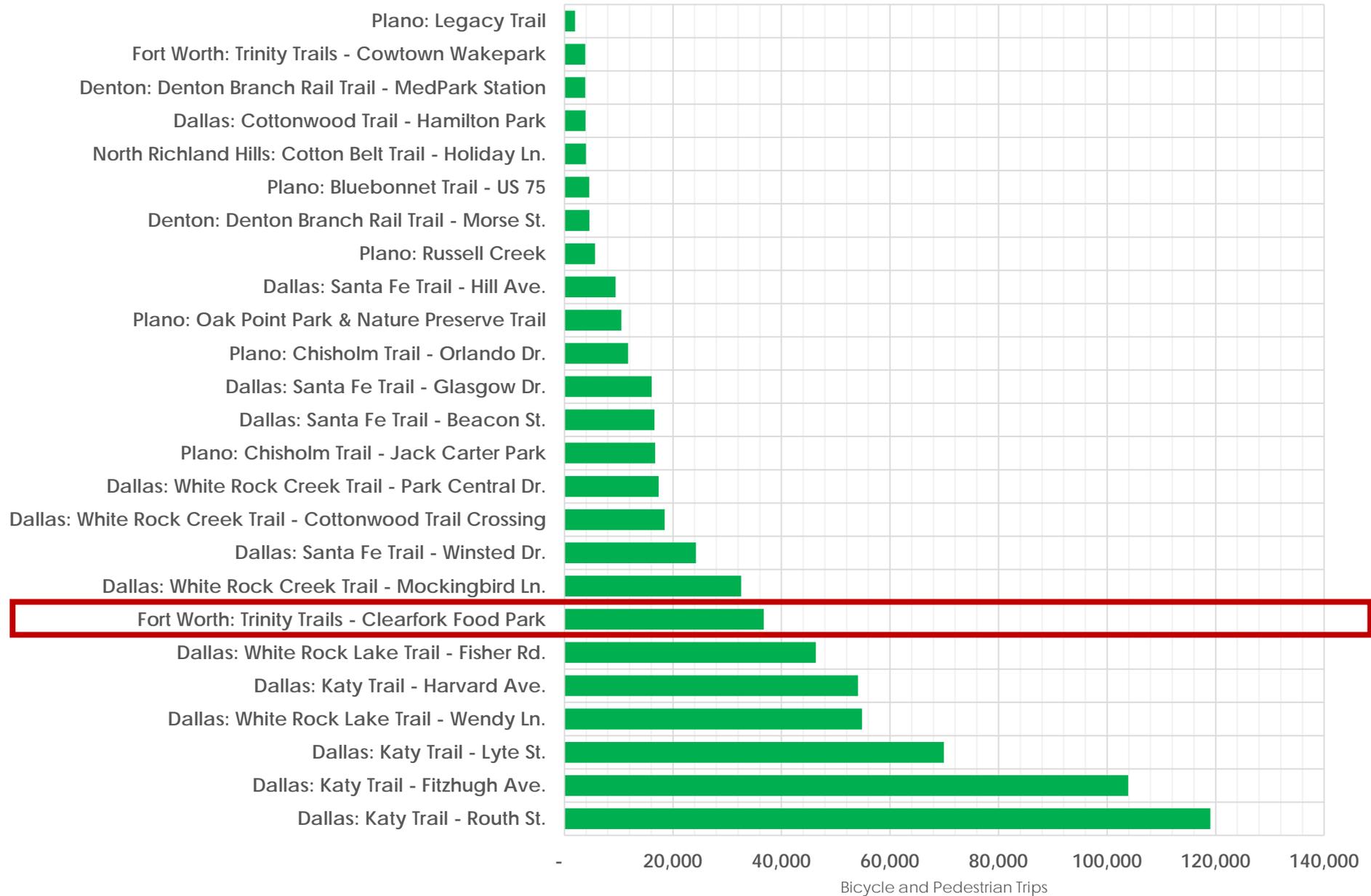
Mode Share Split by Count Station (2015)

■ Pedestrians ■ Bicyclists



Total Bicycle and Pedestrian Traffic by Count Station

October 2015



North Central Texas Council of Governments



Contact Information

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Gabriel Ortiz

Transportation Planner
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817-695-9259



North Central Texas
Council of Governments



AGENDA ITEM 7

How Bicycles Can Save Small Town America



BikeTexas

Advancing Access, Safety, and Education



Beth Nobles, Deputy Director
beth@biketexas.org • 512-476-7433

July 2016



Developing Texas Connections
to the U.S. Bicycle Route System
East/West and North/South

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF TEXAS:

SECTION 1. Subchapter K, Chapter 201, Transportation Code, is amended by adding Section 201.9025 to read as follows:

Sec. 201.9025. TEXAS BICYCLE TOURISM TRAILS. (a) The Texas Department of Transportation Bicycle Advisory Committee shall advise and make recommendations to the commission on the development of bicycle tourism trails in this state.

Recommendations on bicycle tourism trails developed under this section:

(1) shall be made in consultation with the Parks and Wildlife Commission and the Texas Economic Development and Tourism Office;

(2) shall reflect the geography, scenery, history, and cultural diversity of this state;

(3) shall maximize federal and private sources of funding for the designation, construction, improvement, maintenance, and signage of the trails and the promotion of bicycle tourism; and

(4) may include multiuse trails to accommodate equestrians, pedestrians, and other nonmotorized trail users when practicable.

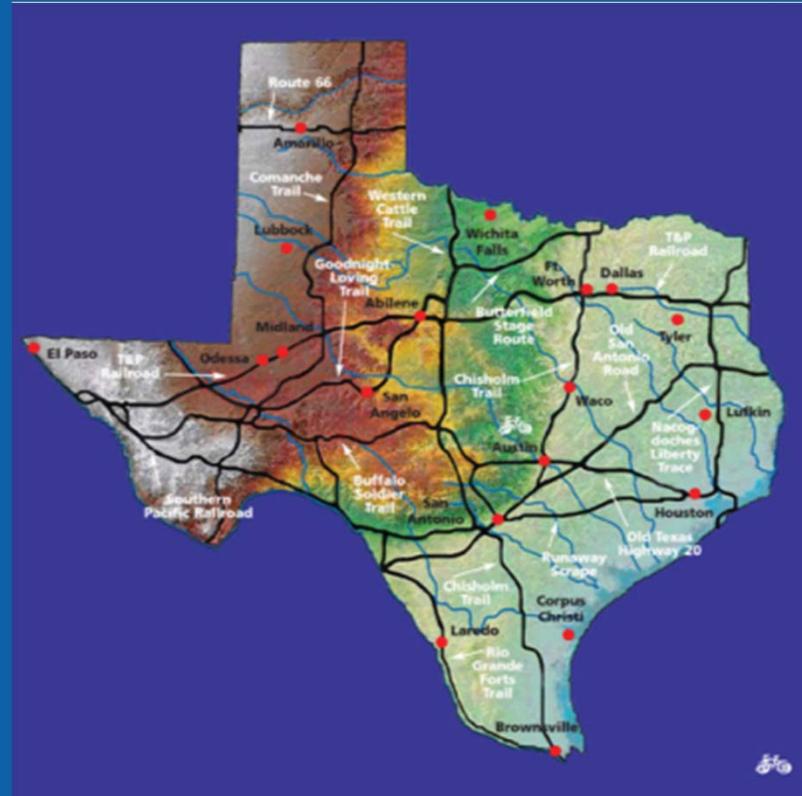
(b) The department may contract with a statewide bicycle nonprofit organization for assistance in identifying, developing, promoting, or coordinating agreements and participation among political subdivisions of this state to advance bicycle tourism trails.

SECTION 2. This Act takes effect September 1, 2005.

2005 Bicycle Trails Tourism Act

2005

Bicycle Trails Tourism Act



“shall reflect the geography, scenery, history, and cultural diversity of this state;”

Is there a demand?



More bicyclists than
skiers, golfers and tennis
players *combined*

Texas Bicycle and Gear
Sales

- 1.4 billion in retail sales
- 115 million in sales tax

*Bigger than
hunting*

East Coast Greenway

Goals:

15 states

450 communities

3,000 miles

All traffic free, 95% traffic free by 2030

850 miles have been created

200 more by 2020

40,000 supporters and volunteers

“shall maximize federal and private sources of funding for the designation, construction, improvement, maintenance, and signage of the trails and the promotion of bicycle tourism”



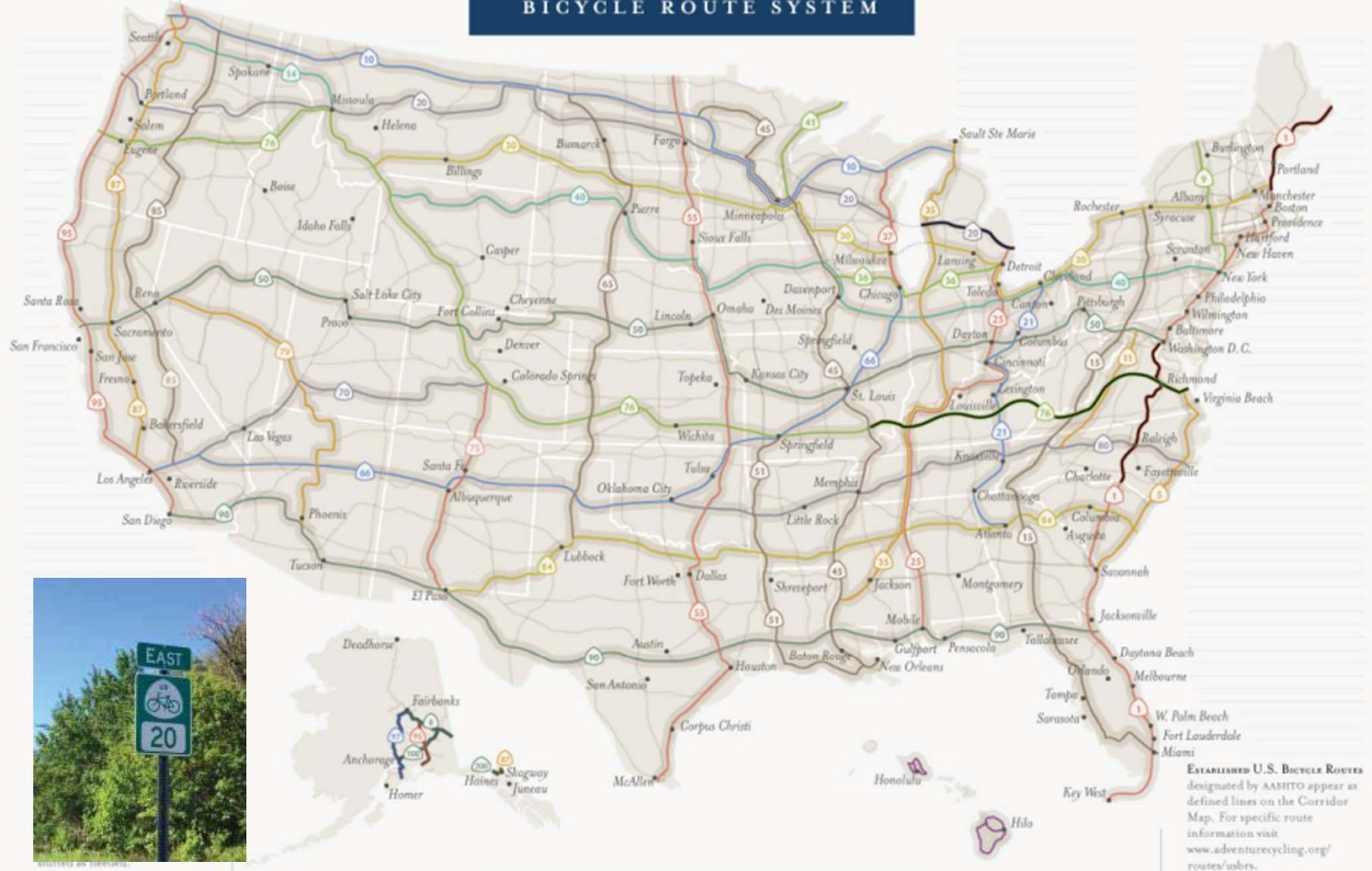
CORRIDOR PLAN
MARCH 2012

THE GOAL OF THE UNITED STATES BICYCLE ROUTE SYSTEM IS TO CONNECT AMERICA THROUGH A NETWORK OF NUMBERED INTERSTATE BICYCLE ROUTES.

THE UNITED STATES
BICYCLE ROUTE SYSTEM

Adventure Cycling Association
America's bicycle travel experts

AMERICAN ASSOCIATION OF
STATE HIGHWAY AND
TRANSPORTATION OFFICIALS
AASHTO
THE VOICE OF TRANSPORTATION



ESTABLISHED U.S. BICYCLE ROUTES designated by AASHTO appear as defined lines on the Corridor Map. For specific route information visit www.adventurecycling.org/routes/usbrs.

- PRIORITY CORRIDOR
- ALTERNATE CORRIDOR
- - - PRIVATE OR PUBLIC FERRY
- UNITED STATES BICYCLE ROUTE

Connecting People, Communities, and the Nation



The goal of The United States Bicycle Route System is to connect America through a network of numbered interstate bicycle routes.

NATIONAL CORRIDOR PLAN

May 2016



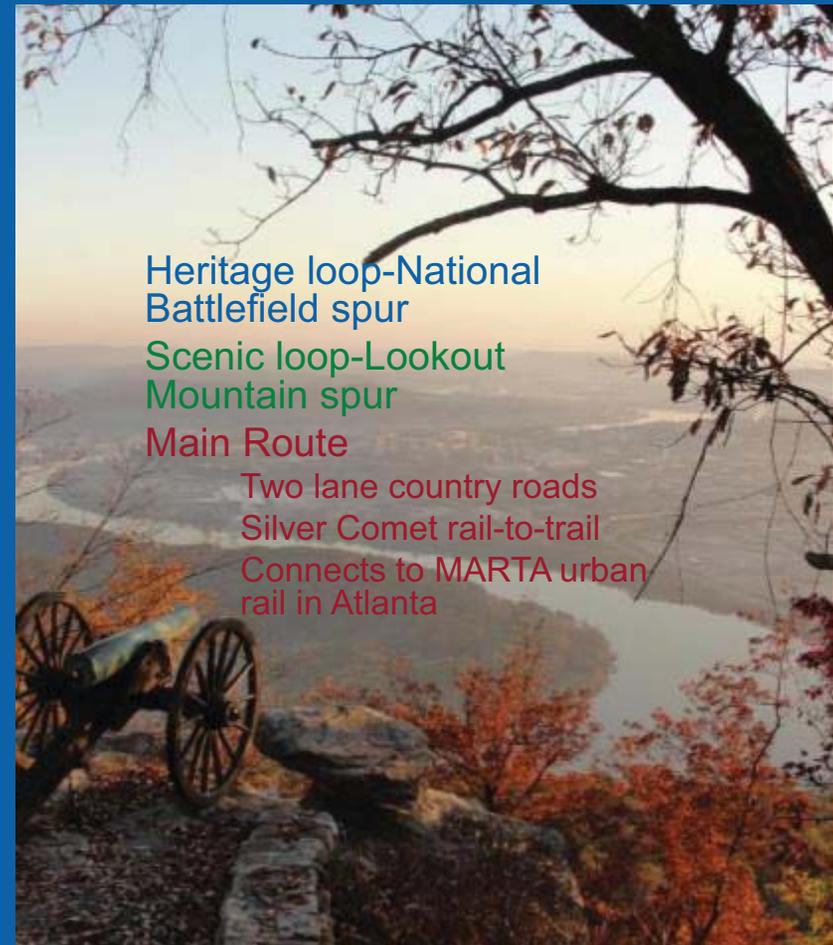
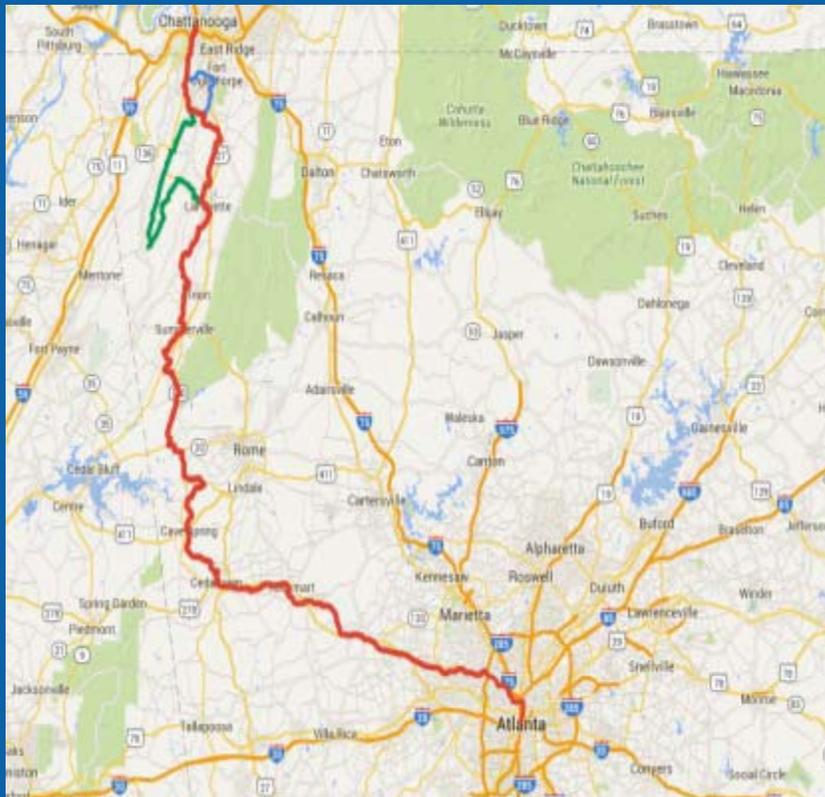
ADVENTURECYCLING.ORG/USBR

May 2016

Georgia

“The Georgia DOT plans to build on the success of our first designation and is leading the effort to designate three other US Bike Routes that will pass through Georgia.” -Georgia DOT website

164 Miles
from Chattanooga to Atlanta



Heritage loop-National
Battlefield spur

Scenic loop-Lookout
Mountain spur

Main Route

Two lane country roads
Silver Comet rail-to-trail
Connects to MARTA urban
rail in Atlanta



Tennessee

TENNESSEE DEPARTMENT OF TRANSPORTATION

Map 6. Proposed State Highway Bicycle Routes - Statewide



Memphis

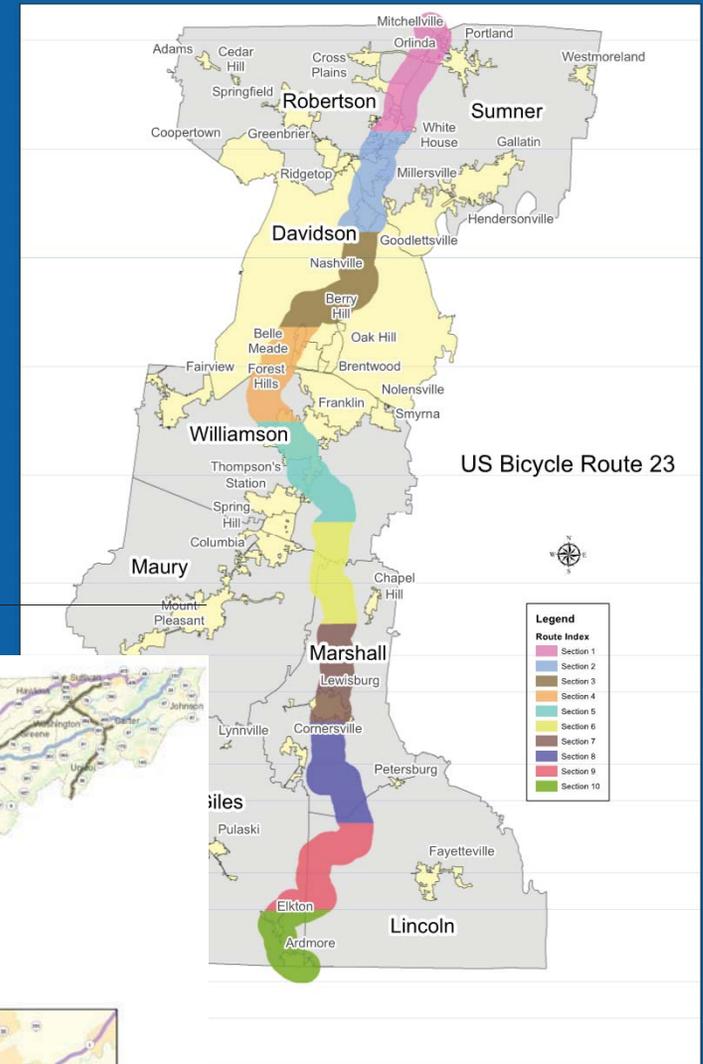
Nashville

Chattanooga

Knoxville

Legend

- West Tennessee North/South Connector
- Reelfoot Lake to Nashville
- Pickwick Landing Connector
- Natchez State Park to Alabama
- Natchez State Park
- Nashville to Chattanooga
- Mississippi River Trail North Connector
- Mississippi River Trail Alternate Route
- Memphis to Chattanooga
- Kentucky to Natchez Trace Parkway
- Kentucky to Nashville Connector
- Kentucky to Jellico/Nashville Connector
- Kentucky to Cumberland Gap Connector
- Kentucky to Big South Fork Connector
- Kentucky to Alabama West
- Kentucky to Alabama Midstate
- Kentucky to Alabama East
- Knoxville to Mountain City Connector
- Jellico to Nashville
- Henry Horton to Murfreesboro
- Georgia Connector III
- Georgia Connector II
- Georgia Connector I
- Fall Creek Falls Connector
- Fall Creek Falls
- East Tennessee North/South Connector
- Cedars of Lebanon Connector
- Chattanooga to Mountain City
- Chattanooga Connector
- Nashville to Bristol
- Memphis to Nashville
- Interstates/Controlled Access Roadways
- Public Lands
- City Boundaries
- County Boundaries



US Bicycle Route 23

- Legend**
- Route Index**
- Section 1
 - Section 2
 - Section 3
 - Section 4
 - Section 5
 - Section 6
 - Section 7
 - Section 8
 - Section 9
 - Section 10

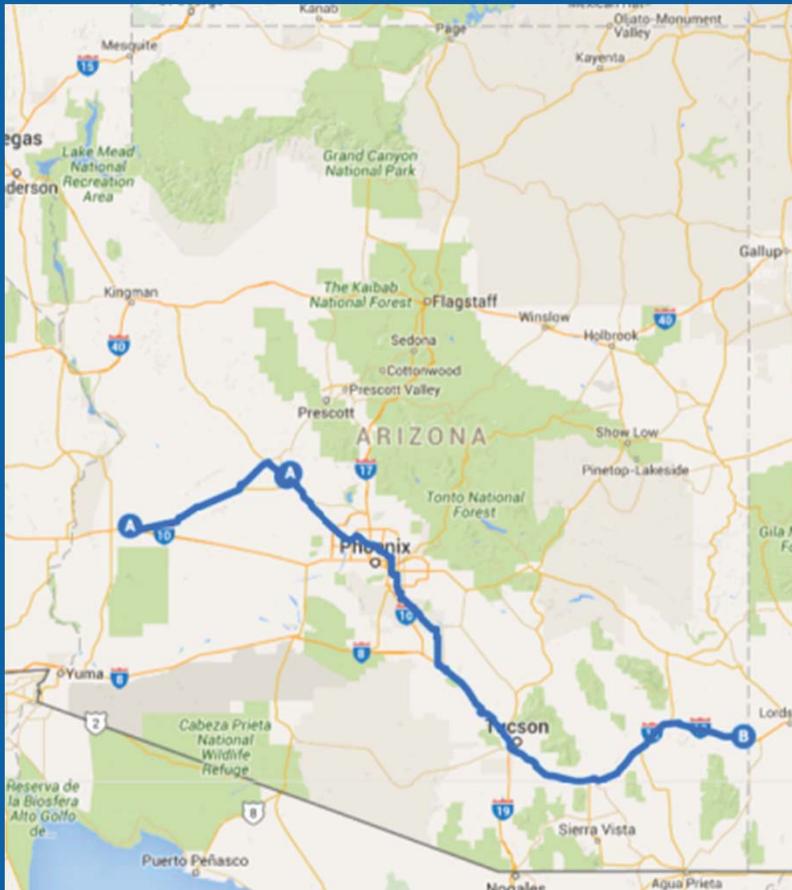
[TDOT Bicycle Suitability Index \(pdf download\)](#)
ranks roads across the state for Bicycle Level of Service

Photograph courtesy of [bikinville.com](#)
Maps courtesy of [TDOT.gov](#)

Arizona

572 miles
Border to border

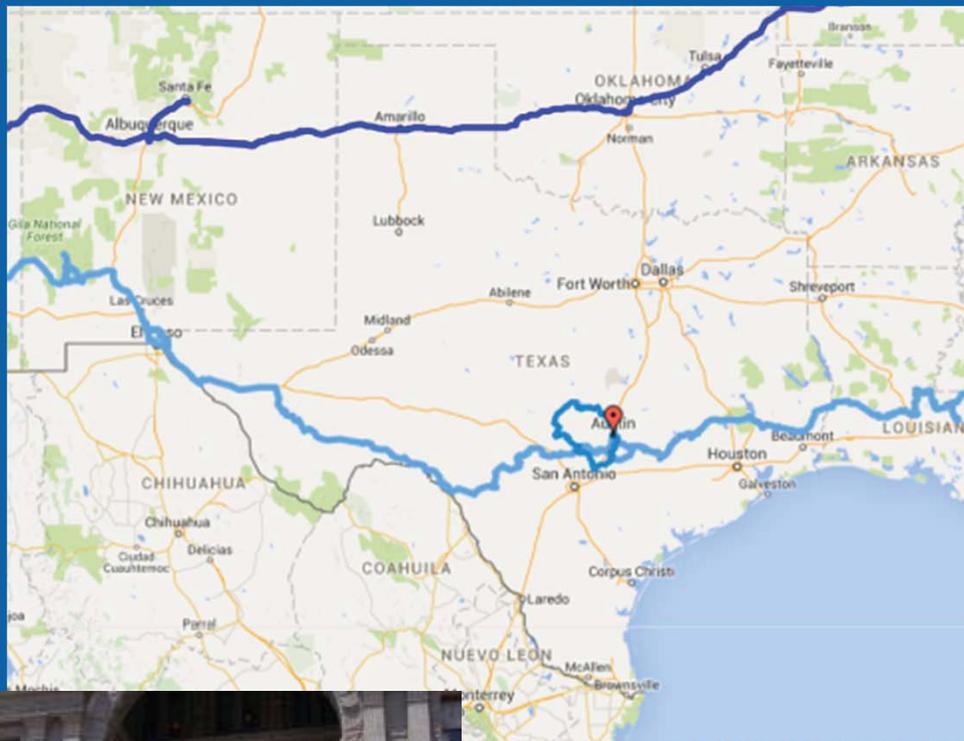
“...shall be made in consultation with the Parks and Wildlife Commission and the Texas Economic Development and Tourism Office”



2013 Arizona Estimated Annual Economic Impact of Out-of-State Cyclists: \$30.6 million and 404 jobs



Photograph courtesy of azcentral.com
Digital map data courtesy of Adventure Cycling Association
“Bike Friendly State” map courtesy of azbikeped.org

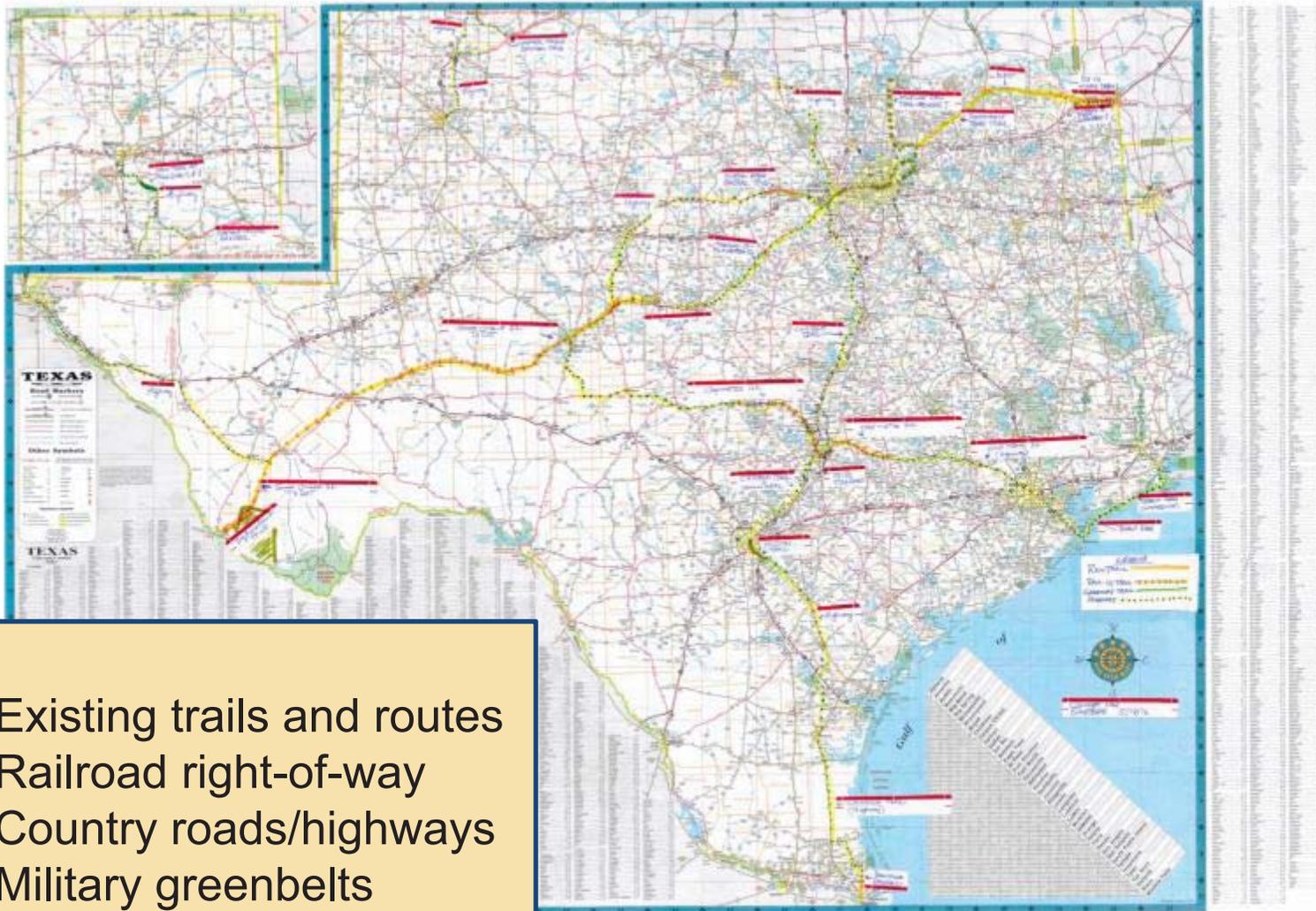


Adventure Cycling Routes in Texas

- Bicycle Route 66
- Southern Tier
- Hill Country Loop



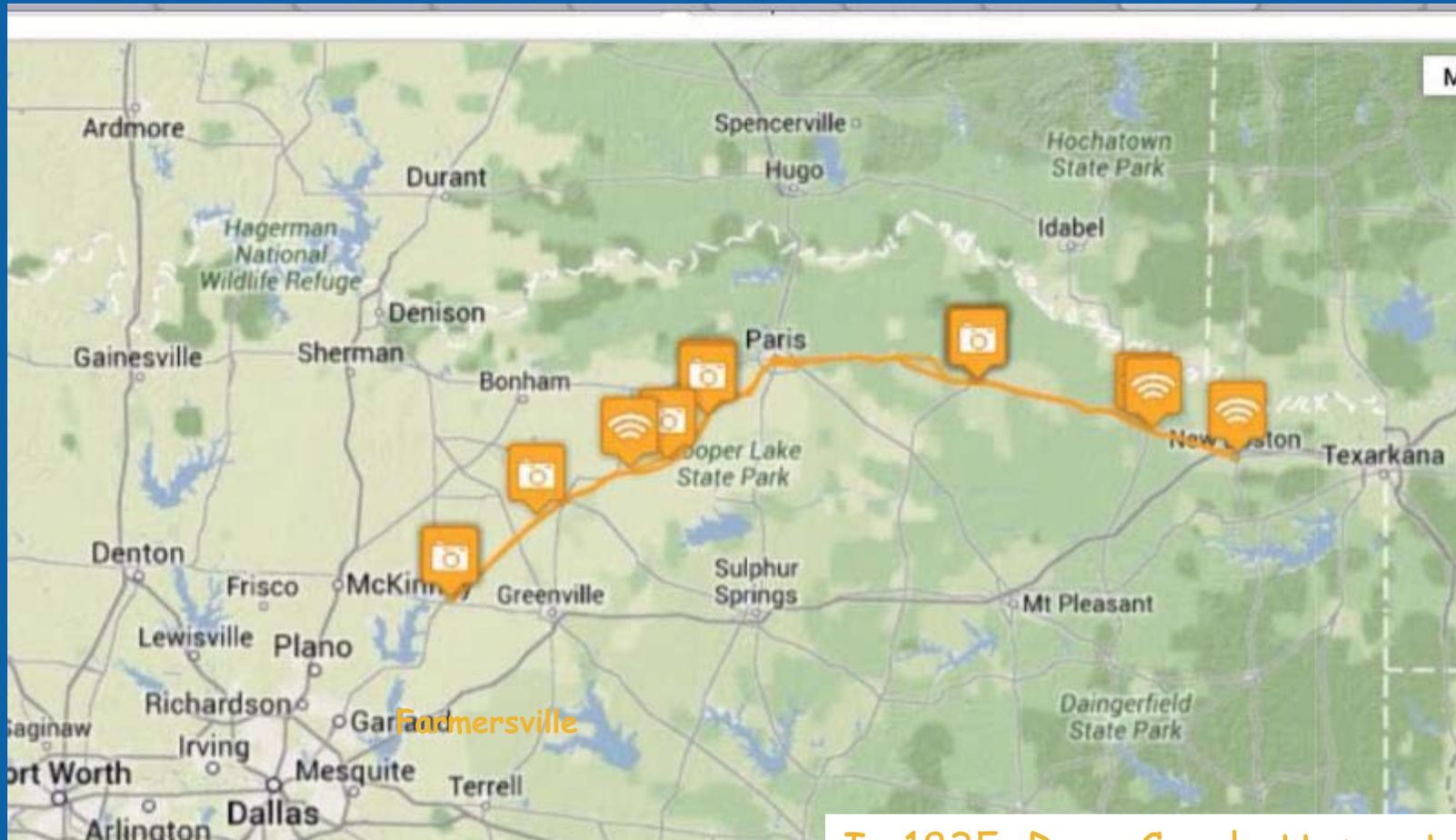
Digital route data courtesy of Adventure Cycling Association
Photographs courtesy of Lynn Haas and andreasprag.com



Existing trails and routes
Railroad right-of-way
Country roads/highways
Military greenbelts

Texas Bicycle Route Possibilities

Northeast Texas Trail



- 130 miles
- Proximity to metropolitan areas
- Enthusiastic support network
- Existing rights of way
- Three stretches to complete

In 1835, Davy Crockett spent two months in this trail corridor before heading to Nacogdoches and San Antonio.

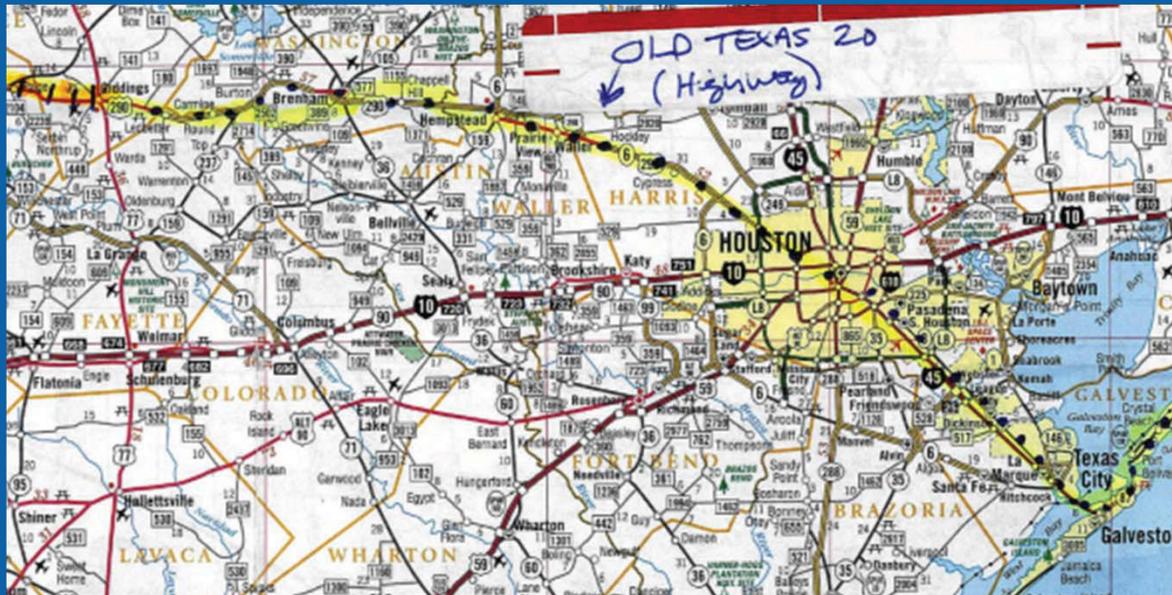
Old Texas 20

190 miles connecting Houston and Austin



2002 Route assessment and discovery “potential for a direct connection from downtown Austin to downtown Houston”

2016 “Communities are interested in exploring any tourism advantage.”



Moving the Vision Forward

“..shall maximize federal and private sources of funding for the designation, construction, improvement, maintenance, and signage of the trails and the promotion of bicycle tourism”

“..the department may contract with a statewide bicycle nonprofit organization for assistance in identifying, developing, promoting, or coordinating agreements and participation among political subdivisions of this state to advance bicycle tourism trails.”



Resource Slides

Regional Veloweb

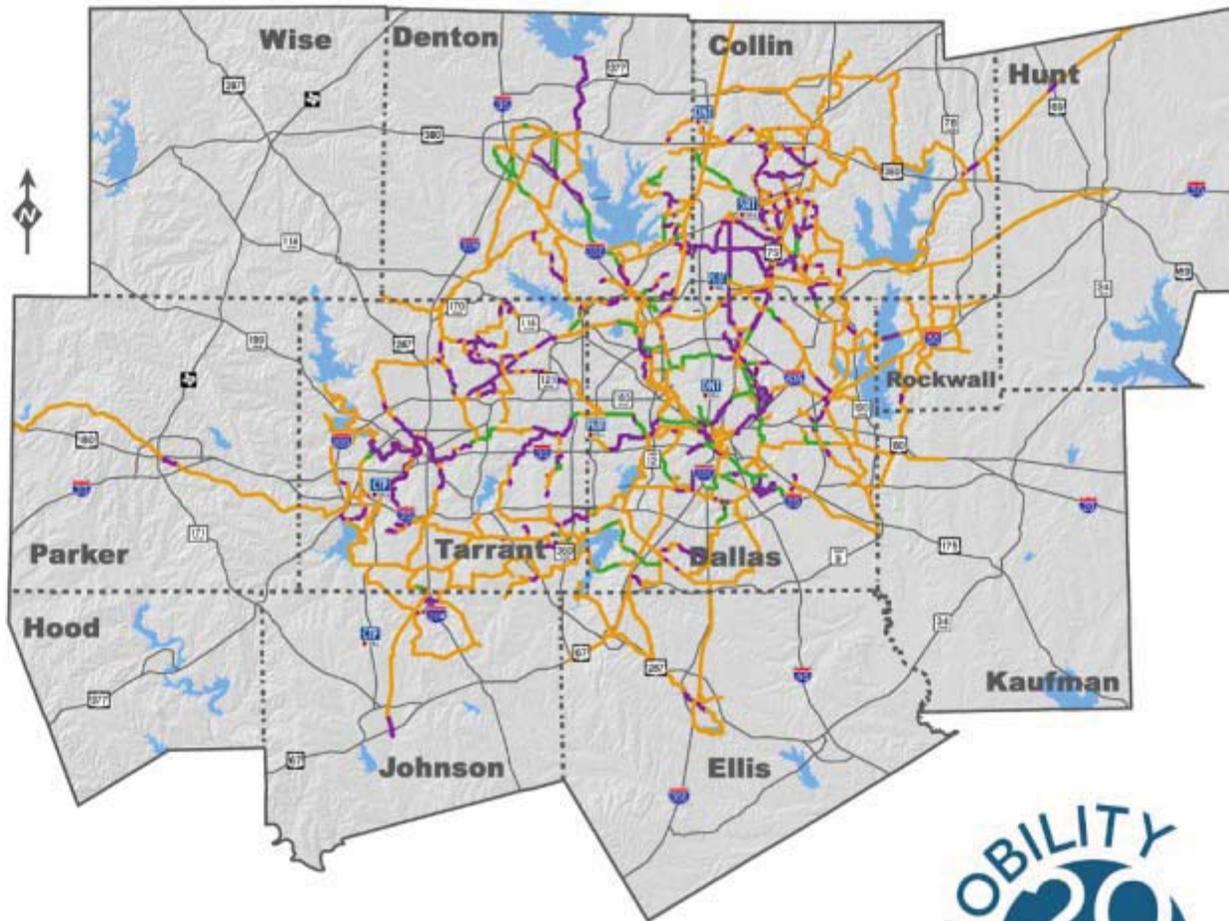
Facility Status

- Existing 442 Miles
- Funded 146 Miles
- Planned 1,288 Miles
- Total 1,876 Miles
- Major Roads

Dallas CBD



Fort Worth CBD



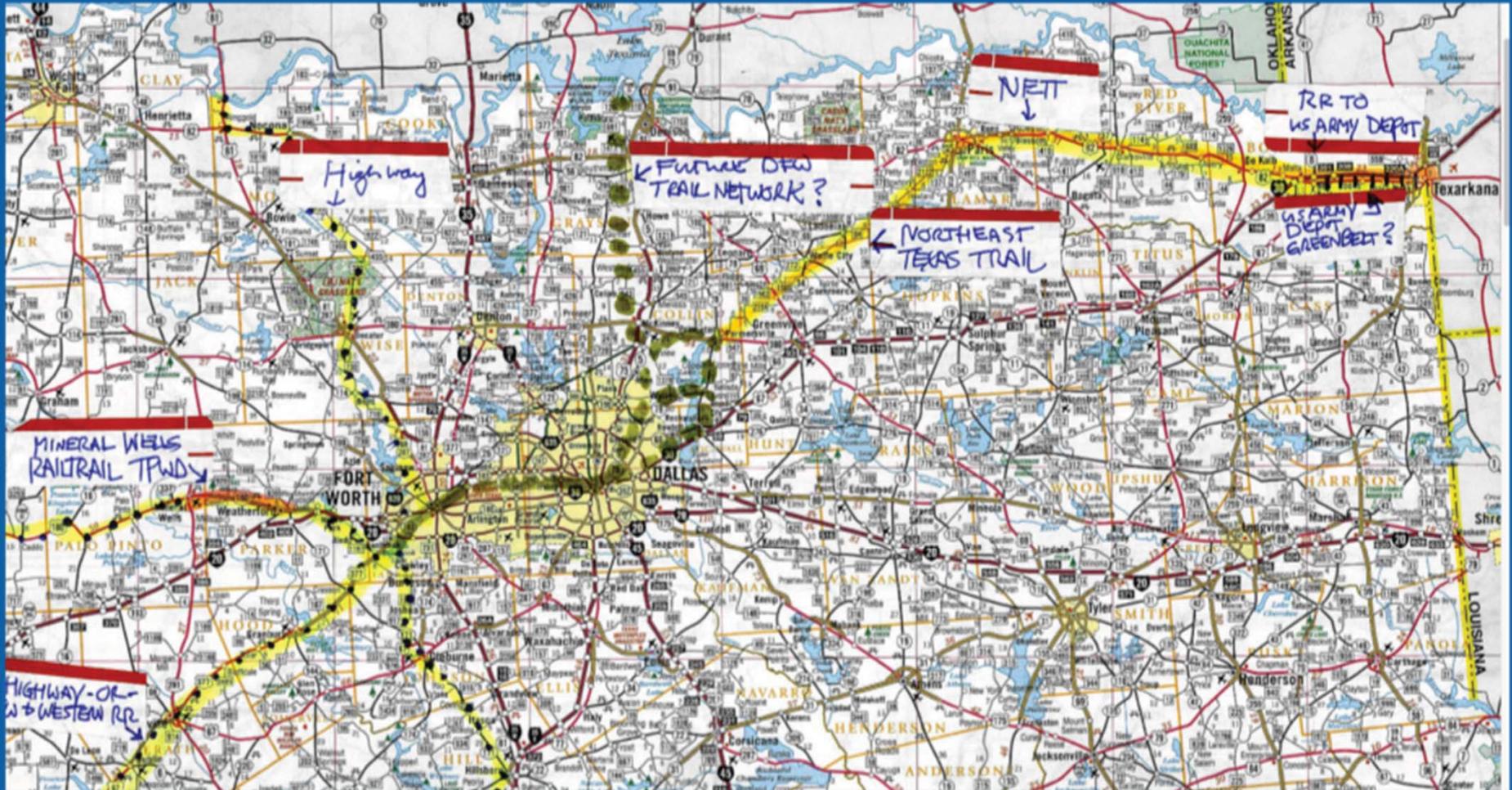
North Central Texas
Council of Governments

March 2018

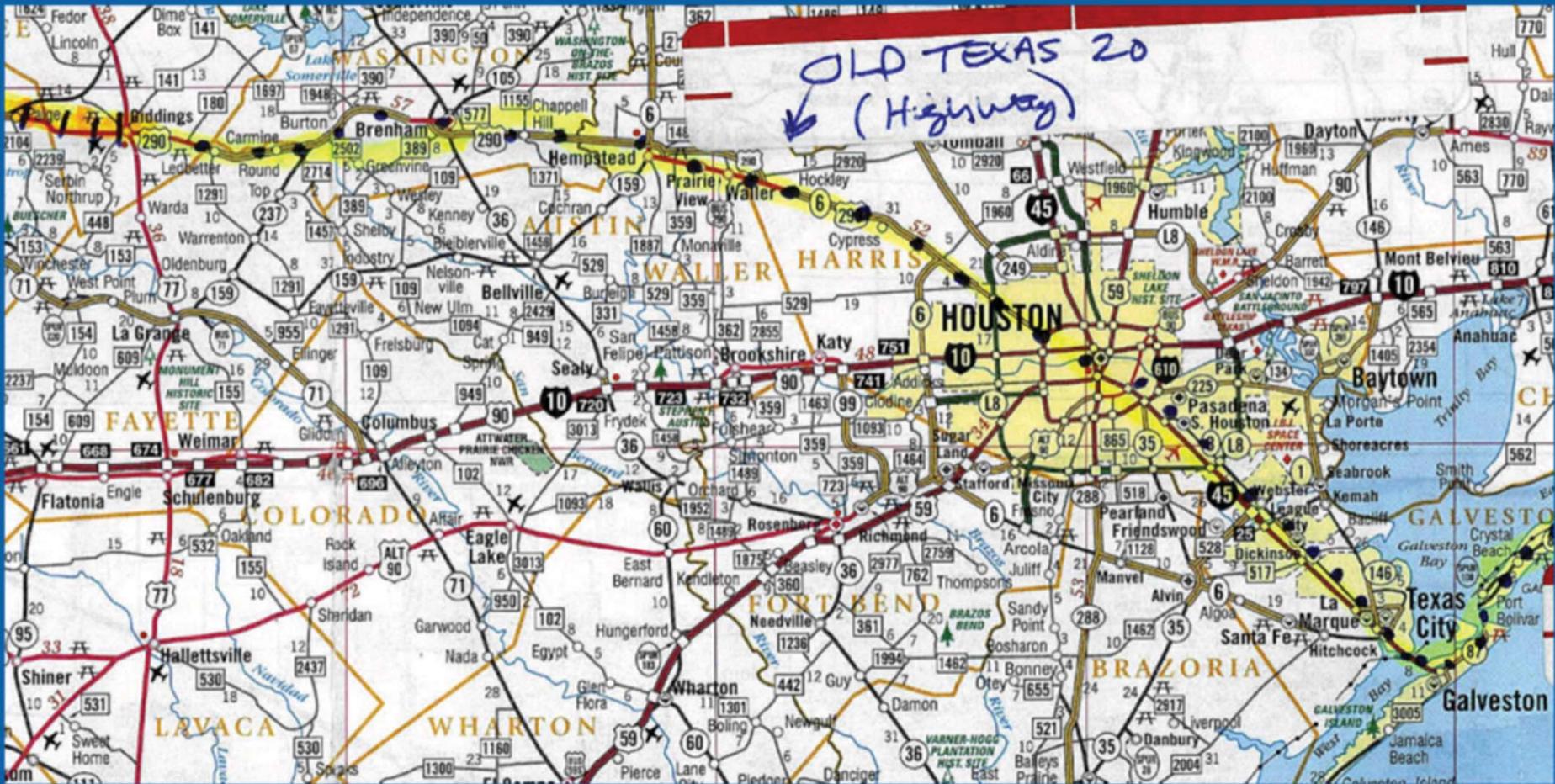
Facility recommendations indicate transportation need. Corridors specific alignment, design, and operational characteristics for the Regional Veloweb system will be determined through ongoing project development.

[Online version of Texas state map](#)

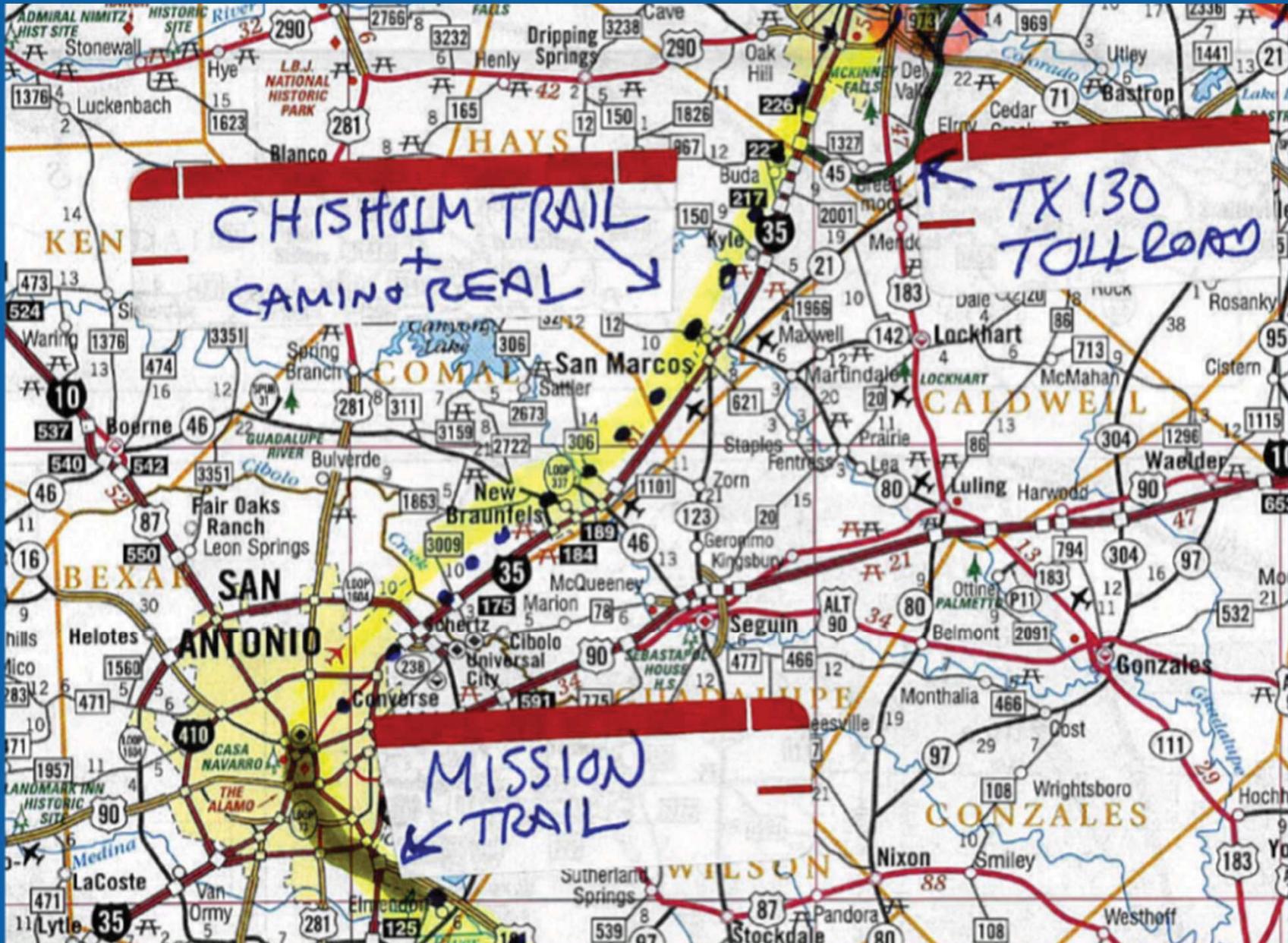
DFW and NETT detail



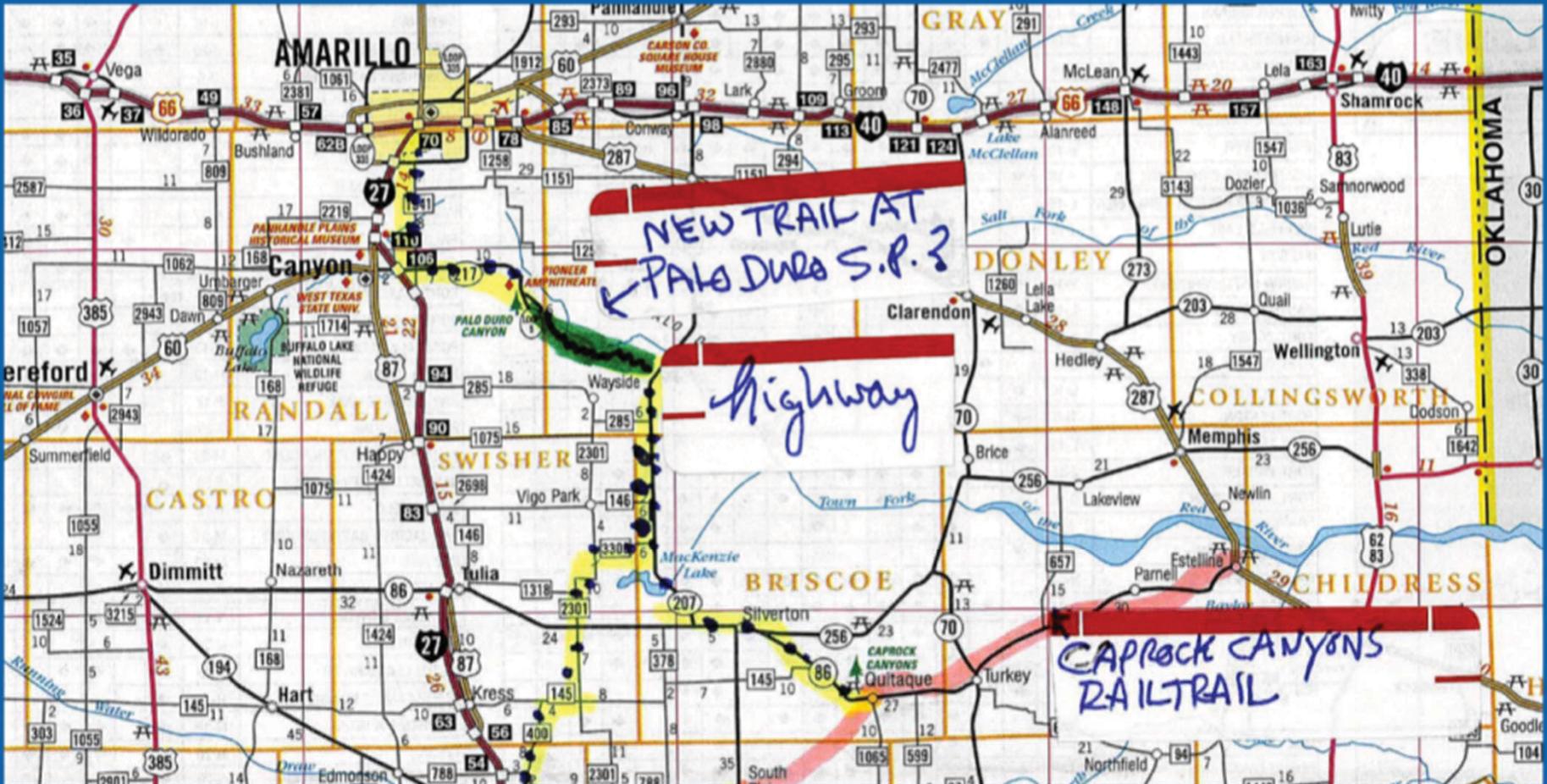
Houston and Old Texas 20 detail



Austin to San Antonio



Panhandle



Gulf/Brownsville



Dallas to Houston

