

**North Central Texas  
Council of Governments**

**Title VI Program  
2019 Update**

Surface Transportation Technical  
Committee

April 26, 2019

# NONDISCRIMINATION AUTHORITIES

**Title VI:** Prohibits discrimination on the basis of race, color, national origin, religion, sex, age, or disability (Civil Rights Act of 1964)

**Environmental Justice:** Ensures low-income and minority groups are considered in the planning process (Executive Order 12892, February 1994)

# NCTCOG NONDISCRIMINATION EFFORTS

Metropolitan Transportation Plan Environmental Justice Analysis

Public Involvement

Call for Projects

Disadvantaged Business Enterprise Program

Title VI Specialist/Staff Training

Compliance Reviews/Audits

Monitor Federal/State Legislation and Regulations

# **PROGRAM CONTENTS**

**Title VI Notice  
to the Public**

**Title VI  
Complaint  
Procedures**

**Title VI  
Complaint  
Form**

**List of Transit-  
Related Title VI  
Investigations,  
Complaints,  
and Lawsuits**

**Public  
Participation  
Plan**

**Language  
Assistance Plan**

**Membership of  
Non-Elected  
Committees  
and Councils**

**Monitoring  
Subrecipients  
for Compliance**

**Board Meeting  
Resolutions of  
Approved Title  
VI Program**

## **MPO-Specific Requirements:**

**Demographic  
Profile**

**Planning for  
Mobility Needs  
of Minority  
Populations**

**State and  
Federal Funding  
for Public  
Transportation  
Projects**

**Analysis of the  
Transportation  
System  
Investments**

**Subrecipient  
Program  
Administration**

# NCTCOG TITLE VI PROGRAM REQUIREMENTS

Describe how NCTCOG implements Title VI nondiscrimination efforts and monitors subrecipients

Required for direct and primary recipients of FTA funding

Update every three years

# 2019 TITLE VI PROGRAM UPDATES

Title VI Complaint Procedures\*

List of Transit-Related Title VI Investigations, Complaints, and Lawsuits

Public Participation Plan

Language Assistance Plan

Demographic Profile

Planning for Mobility Needs of Minority Populations (Mobility 2045)  
Analysis of the Transportation System Investments

Monitoring Subrecipients for Compliance

RTC Bylaws, Executive Board Bylaws

\*To be updated on website, in Public Participation Plan, other documents as needed

# SCHEDULE

**February 11:** Conducted public meeting, began public comment period\*

**March 22:** STTC Information

**April 3:** Close public comment period

**April 11:** RTC Information

**April 26:** Request STTC Action

**May 9:** Request RTC Approval

**May 23:** Request Executive Board Approval

**June 1:** Submit to FTA

\*45-day public comment period required because Complaint Procedures are included in Public Participation Plan

# ACTION REQUESTED

**Recommend RTC Approval of Title VI Program 2019 Update**



# CONTACTS

**Ken Kirkpatrick**

Counsel for Transportation

[kkirkpatrick@nctcog.org](mailto:kkirkpatrick@nctcog.org)

817-695-9278

**Kate Zielke**

Senior Transportation Planner,  
Title VI Specialist

[kzielke@nctcog.org](mailto:kzielke@nctcog.org)

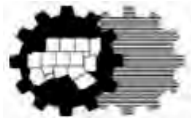
817-608-2395

[www.nctcog.org/ej](http://www.nctcog.org/ej)

# **2020 UNIFIED TRANSPORTATION PROGRAM AND REGIONAL 10-YEAR PLAN UPDATE**

Surface Transportation Technical Committee

April 26, 2019



North Central Texas  
Council of Governments  
Transportation Department

# BACKGROUND

- Includes projects funded with Category 2 (MPO selected), Category 4 (TxDOT District selected), and Category 12 (Texas Transportation Commission selected)
- Regional 10-Year Plan was first approved by the Regional Transportation Council (RTC) in December 2016
- Series of updates were made in August 2017 to ensure that Proposition 1 projects remained fully funded and the LBJ East project could proceed
- An update to the 10-Year Plan was approved in August 2018 in conjunction with the development of the 2019 Unified Transportation Program (UTP)

# ACTIVITIES UNDERTAKEN SINCE LAST UPDATE

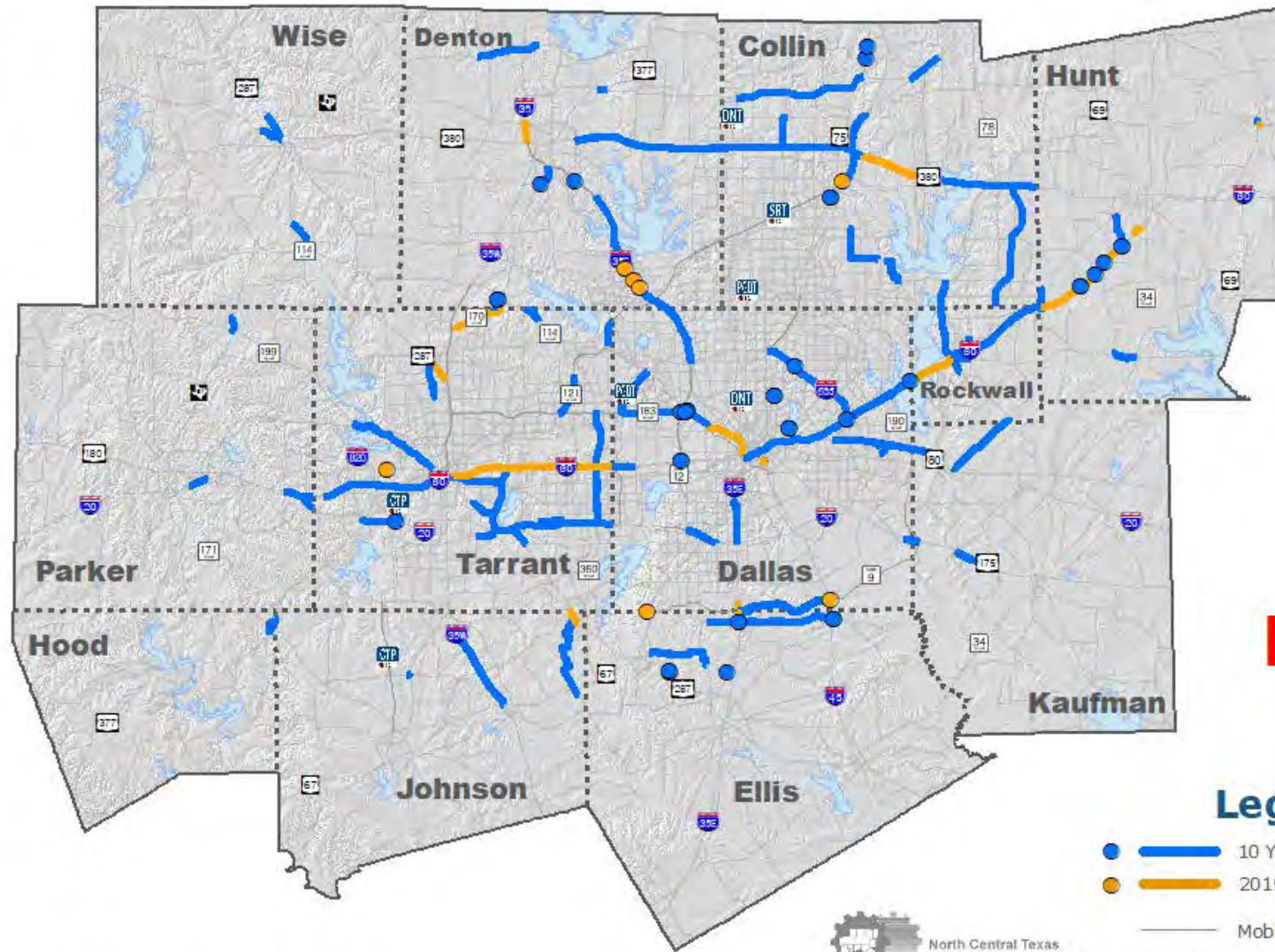
- Texas Department of Transportation (TxDOT) staff have begun developing the 2020 UTP.
- NCTCOG staff have coordinated with the TxDOT Districts regarding project updates (e.g., costs/funding, environmental clearance and let dates) and potential new projects.
- Projects were scored to fulfill a TxDOT requirement for inclusion in the UTP.
- To satisfy a January 31, 2019 deadline set forth by TxDOT, NCTCOG staff drafted a project listing that included project scores, project revisions, and potential new projects.

# 2019 10-YEAR PLAN UPDATE

- Projects in the proposed 2019 Update fall under one of five groups:
  - Group 1: Projects approved by the RTC that have been approved in the UTP
  - Group 2A: Projects approved by the RTC that have not been approved in the UTP
  - Group 2B: Proposed projects pending RTC approval
  - Group 3: Proposed projects that need funding to advance pre-construction activities like right-of-way acquisition
  - Group 4: Projects proposed to be removed from the 10-Year Plan project list, funded with other sources, or are future candidates for funding

# Dallas-Fort Worth Regional 10 Year Plan Projects

FY 2017 - FY 2029

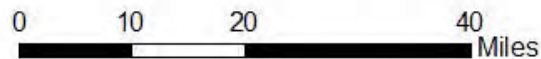


Dallas CBD



Fort Worth CBD

# DRAFT



North Central Texas  
Council of Governments

## Legend

- 10 Year Plan Projects
- 2019 10 Year Plan Update
- Mobility 2045 Roadways
- County Boundary
- Lakes

Date: 4/4/2019

# PROJECT SCORING

- Overall project scores are the result of a combination of selection and prioritization scores
- Selection scoring was comprised of System Selection (i.e., project is part of a larger/regional network) and Technical Selection (i.e., project need)
- Prioritization scoring was included in response to the State's interest in projects that are ready to let within a 10-year window

# CORRIDOR PRESERVATION PROGRAM

- TxDOT Districts have expressed the need to advance pre-construction activities (notably right-of-way acquisition) on corridors that may be added to the 10-Year Plan in the future
- Projects require funding in order for TxDOT to be permitted to commence these activities
- Staff has begun developing a list of these projects based on input from the TxDOT Districts
- Staff proposes to change the funding source to Surface Transportation Block Grant (STBG) based on feedback from TxDOT



# TIMELINE

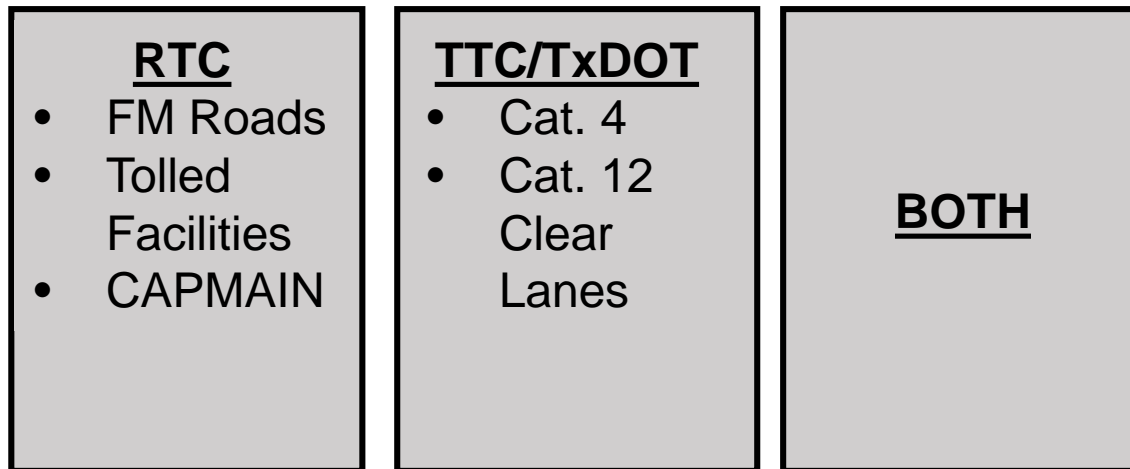
<b>MEETING/TASK</b>	<b>DATE</b>
STTC Information	March 22, 2019
RTC Information	April 11, 2019
Public Meetings	April 2019
<b>STTC Action</b>	<b>April 26, 2019</b>
RTC Action	May 9, 2019

# REQUESTED ACTION

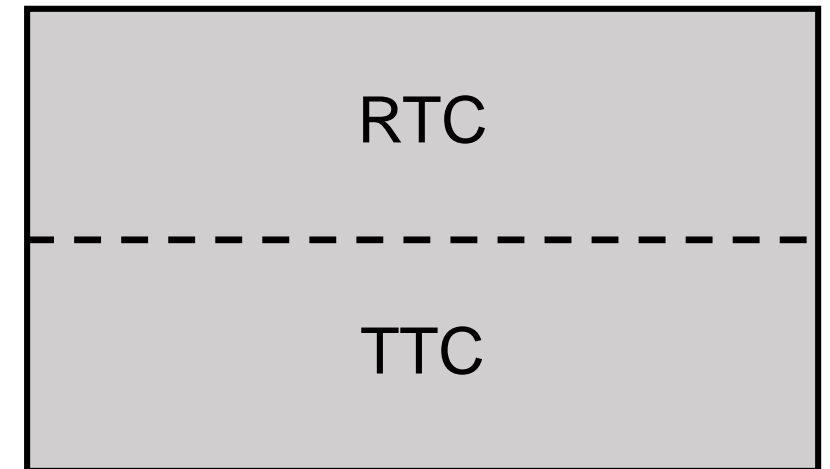
- Recommend RTC approval of:
  - The proposed 2019 Regional 10-Year Plan project listing.
  - Administratively amending the 2019-2022 Transportation Improvement Program (TIP)/Statewide Transportation Improvement Program (STIP) and amending other planning/administrative documents to incorporate these changes.
  - Creating partnerships initiated by the TTC on Category 12 projects.

# NEW APPROACH TO FUNDING PARTNERSHIPS

## CURRENT SYSTEM PARTNERSHIPS



## NEW TXDOT PROJECT PARTNERSHIPS



Staff will look for projects where the RTC and the TTC can partner. As funding is moved between projects, county allocations will be reconfirmed.

# CONTACT/QUESTIONS?

Brian Dell  
Senior Transportation Planner  
Ph: (817) 704-5694  
[bdell@nctcog.org](mailto:bdell@nctcog.org)

Christie J. Gotti  
Senior Program Manager  
Ph: (817) 608-2338  
[cgotti@nctcog.org](mailto:cgotti@nctcog.org)

Evan Newton  
Transportation Planner  
Ph: (817) 695-9260  
[enewton@nctcog.org](mailto:enewton@nctcog.org)

# Overview of the 2018 Bicycle and Pedestrian Annual Traffic Count Report

Surface Transportation Technical Committee

April 26, 2019

Daniel Snyder



**North Central Texas  
Council of Governments**

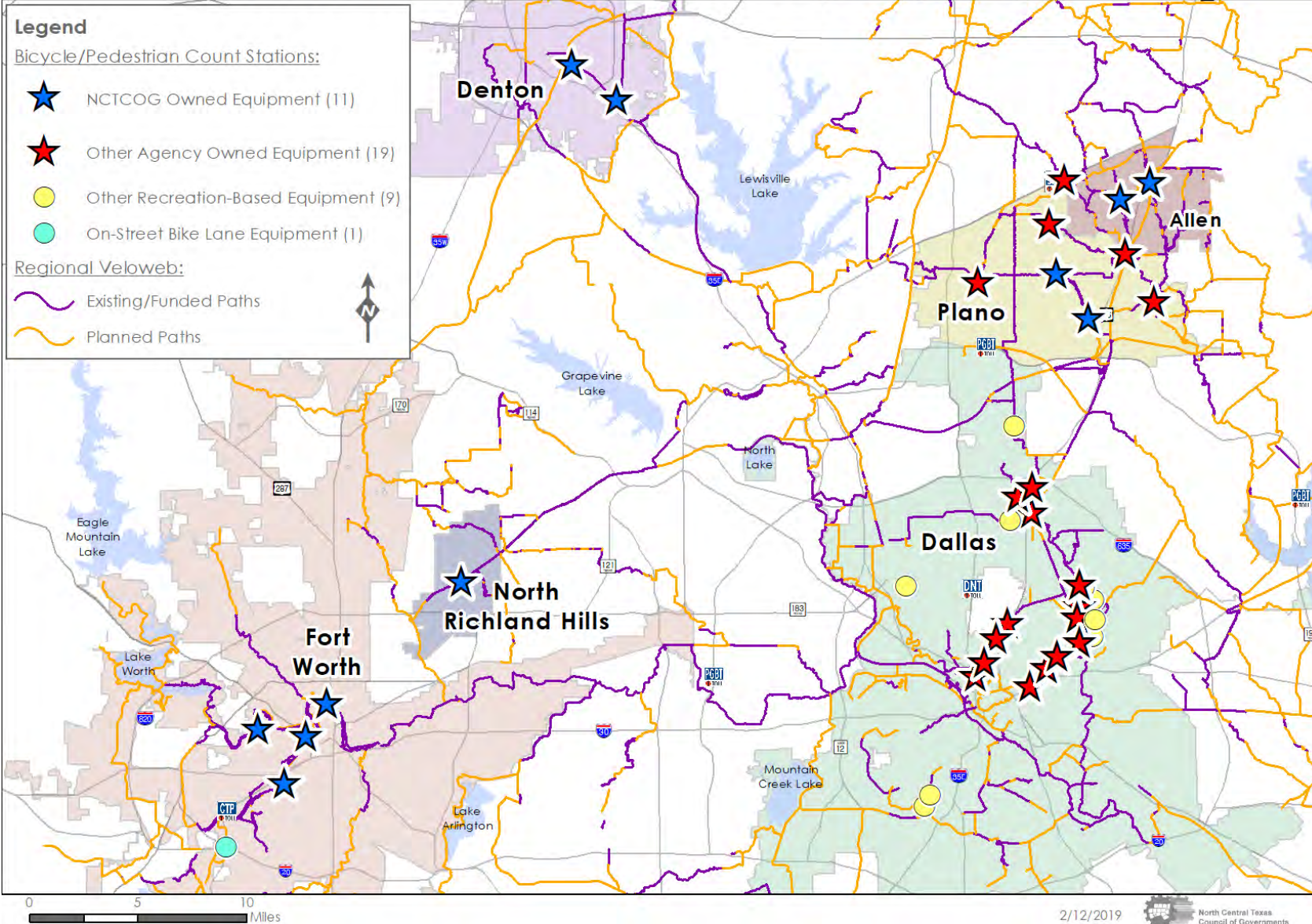
# Technology

- Count Equipment is Used on Both Trails and On-street Bikeways

Infrared and Inductive Loop Combination

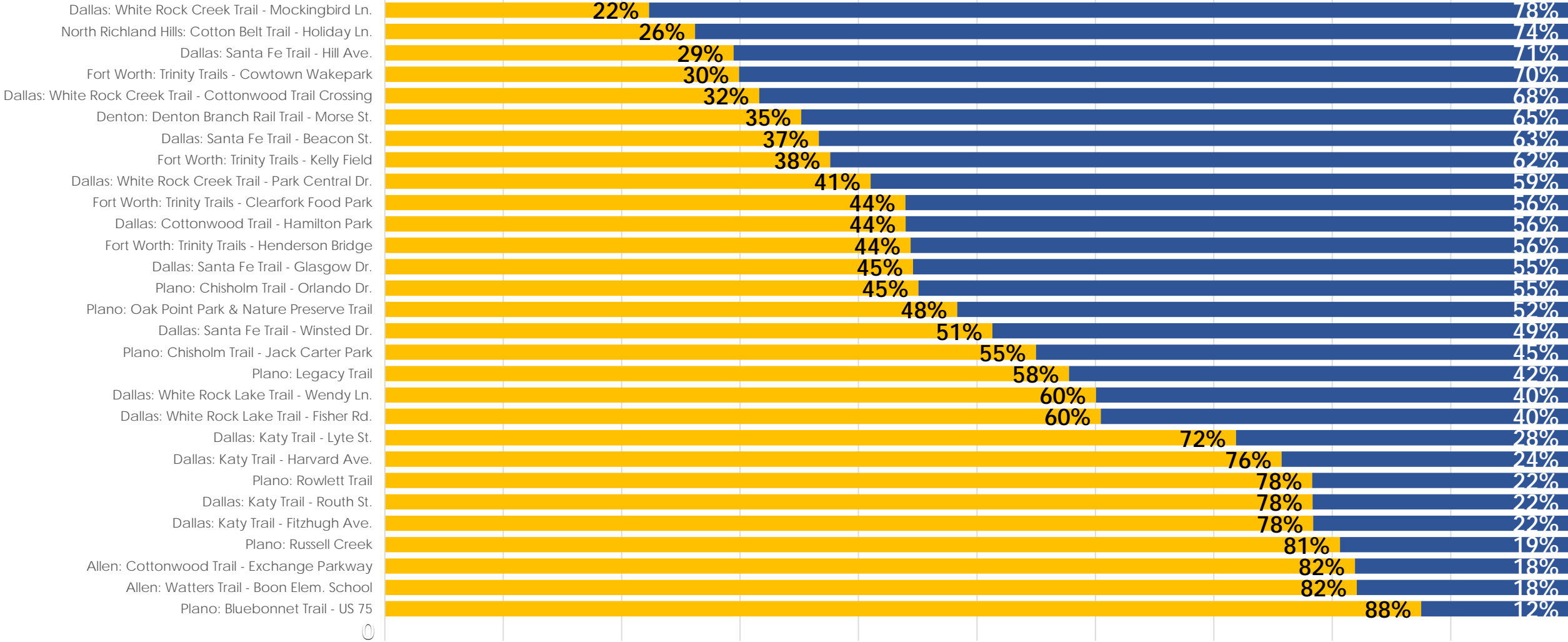


# Bicycle and Pedestrian Count Stations in the North Central Texas Region (2018)



# Mode Share Split by Count Station (2018)

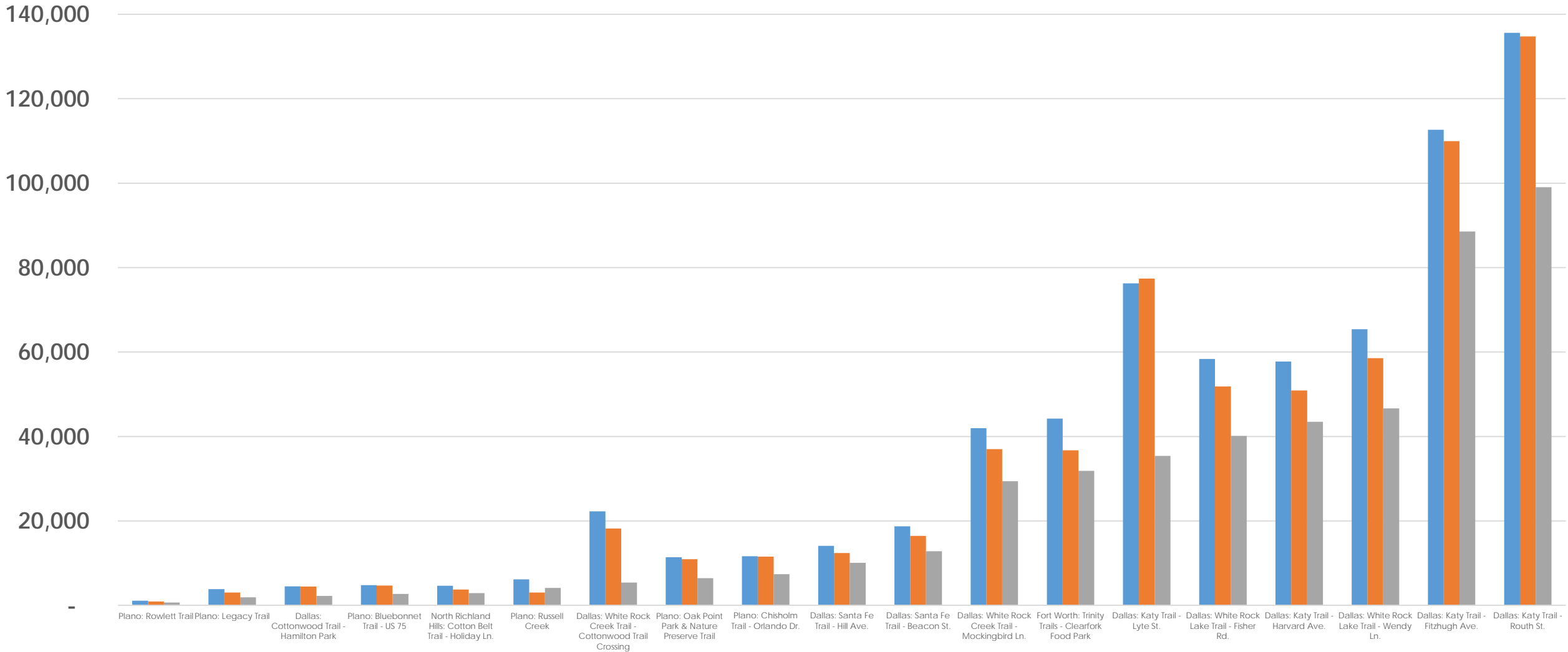
■ Pedestrians ■ Bicyclists





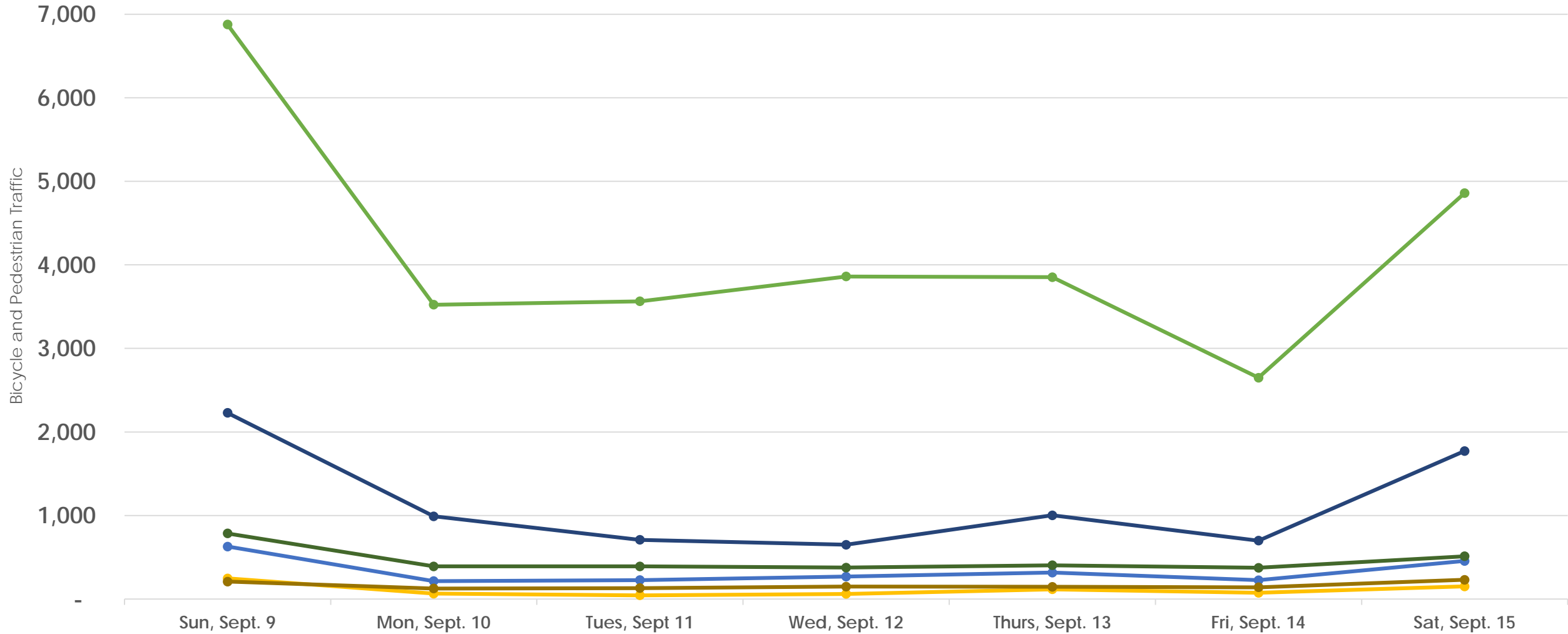
# Total Traffic by Count Station October

■ 2016 ■ 2017 ■ 2018



# Total Daily Traffic During the Week of September 9, 2018

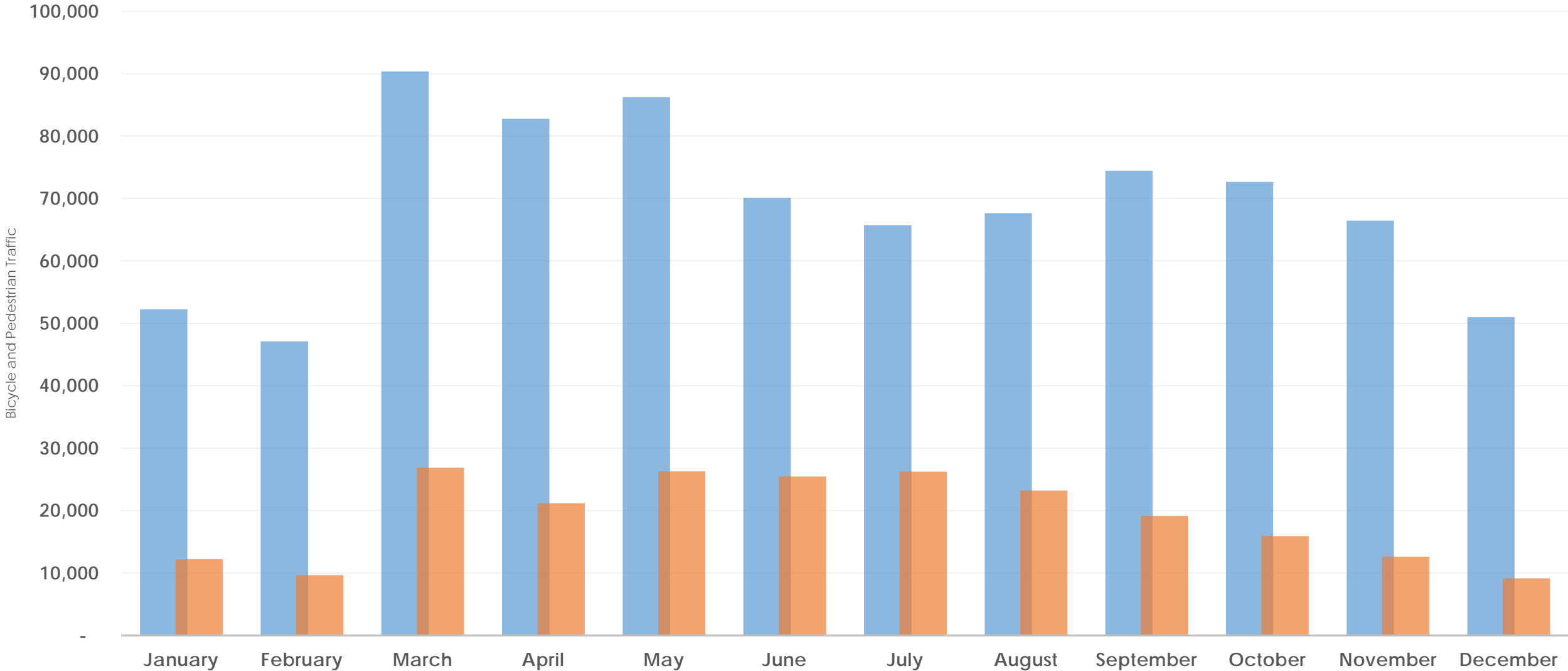
- Katy Trail - Routh St
- Chisholm Trail - Orlando Drive
- Cotton Belt Trail - Holiday Lane
- Watters Trail - Boon Elem. School
- Trinity Trails - Clearfork Food Park
- Denton Branch Rail Trail - Medpark Station



# Katy Trail - Fitzhugh Avenue

## Total Monthly Traffic Counts (2018)

■ Pedestrians ■ Bicyclists



# Texas Bicycle and Pedestrian Count Exchange

## Basic Statistics

AADB: [Coming soon!]  
AADP: [Coming soon!]



## Trinity Trail at Clearfork Food Park

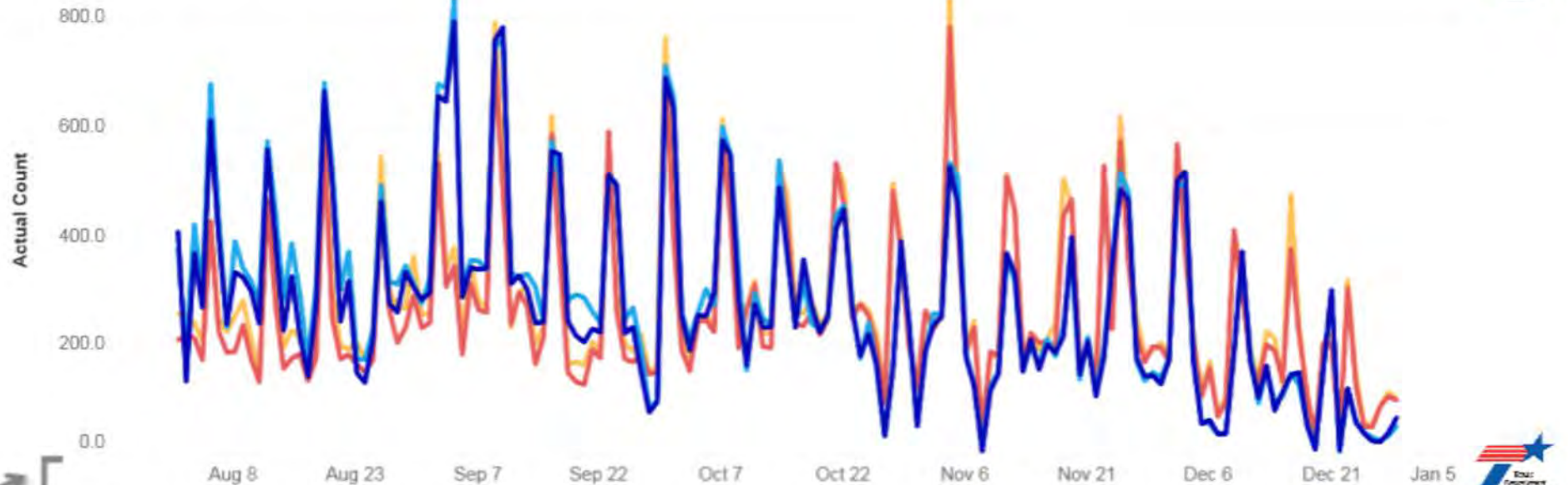


## Counter Information

Count Type: Permanent station  
Functional Class: Urban: Trail or Shared Use Path  
Facility Type: Trail not associated with a roadway

## Owner Information

Agency: North Central Texas Council of Governments  
Contact: Daniel Snyder



North Central Texas  
Council of Governments

<https://mobility.tamu.edu/bikepeddata/>

# Contact Information

Kevin Kokes, AICP

Program Manager

[kkokes@nctcog.org](mailto:kkokes@nctcog.org)

(817) 695-9275

Daniel Snyder

Transportation Planner

[dsnyder@nctcog.org](mailto:dsnyder@nctcog.org)

(817) 608-2394

[nctcog.org/BikePedCountData](http://nctcog.org/BikePedCountData)



# Legislative Update

---

SURFACE TRANSPORTATION TECHNICAL COMMITTEE | APRIL 26, 2019

NICHOLAS ALLEN

NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS

# Federal Update

---

Rep. Collin Allred (D-TX) named Vice Chair of House Subcommittee on Railroads, Pipelines, and Hazardous Materials

Nicole Nason confirmed as new FHWA Administrator

2019 BUILD Grant Notice of Funding Opportunity announced – Applications due July 15

\$900 million in competitive awards for surface transportation projects

More information at May STTC meeting

# 86<sup>th</sup> Texas Legislature – Dates of Interest

---

---

May 6 – Last day for House committees to report House bills

---

May 9 – Last day for House to consider House bills (2nd reading)

---

May 18 – Last day for House committees to report Senate bills

---

May 21 – Last day for House to consider Senate bills (2nd reading)

---

May 27 – Last day of Session

---

June 16 – Last day Governor can sign or veto bills



# 86<sup>th</sup> Texas Legislature – State Budget

## HOUSE CSHB 1

Total \$251 B

TxDOT \$31.1 B

LIRAP/LIP \$96.6 M

TERP \$154.7 M

No HSR Rider

## SENATE CSHB 1

Total \$248 B

TxDOT \$31.1 B

LIRAP/LIP \$0

TERP \$154.7 M

HSR Rider: Prohibits TxDOT from coordinating right-of-way access until there is a final, unappealable court ruling on eminent domain authority.

# State Budget Conference Committee

---

## HOUSE CONFEREES

John Zerwas, R- Richmond

Greg Bonnen, R- Friendswood

Sarah Davis, R- West University

Oscar Longoria, D- Mission

Armando Walle, D- Houston

## SENATE CONFEREES

Jane Nelson, R- Flower Mound

Joan Huffman, R- Houston

Lois Kolkhorst, R- Brenham

Larry Taylor, R- Friendswood

Robert Nichols, R- Jacksonville

# House Transportation

---

## **High-Speed Rail Subcommittee**

Coordinated efforts by Pro-HSR and Anti-HSR groups

Hours of testimony

All bills left pending

High-speed rail bills heard in other committees also left pending

# House Transportation

---

## Tolling Subcommittee

**HB 4398 Raney, John-** Relating to the electronic transmission of an invoice or notice of toll nonpayment by a toll project entity.

A county or toll project entity may provide an invoice to be sent electronically

**HB 1951 Krause, Matt-** Relating to the development, construction, and operation of toll projects.

Would require voter approval of CDA projects

Toll projects would become part of state highway system after bond repayment; TTC can extend tolling by 10 years

Authorizes two CDA projects per year, with limitations

Amends statute related to toll collection, enforcement, and invoicing

# Highlighted Bills

---

**SB 531 Birdwell, Brian-** Relating to sources of funding for the Texas emissions reduction plan (TERP).

Referred to House Committee on Environmental Regulation

**SB 962 Nichols, Robert-** Relating to the determination of the sufficient balance of the economic stabilization fund for purposes of allocating general revenue to that fund and the state highway fund.

Referred to House Committee on Appropriations

**HB 3745 Bell, Cecil-** Relating to the TERP fund and account.

Reported from House Committee on Environmental Regulation

# Questions and Comments

---

**Amanda Wilson**

Program Manager

(817) 695-9284

awilson@nctcog.org

**Rebekah Hernandez**

Communications Supervisor

(682) 433-0477

rhernandez@nctcog.org

**Nick Allen**

Communications Coordinator

(817) 704-5699

nallen@nctcog.org

**Kyle Roy**

Communications Coordinator

(817) 704-5610

kroy@nctcog.org

<https://www.nctcog.org/legislative>

# METROPOLITAN PLANNING ORGANIZATION (MPO) MILESTONE POLICY UPDATE

---

Surface Transportation Technical Committee

April 26, 2019

# Background

- The Metropolitan Planning Organization (MPO) Milestone Policy was adopted by the Regional Transportation Council (RTC) in June 2015.
- Staff identified projects that were funded 10 or more years prior to the policy being approved and had not gone to construction.
- New estimated start dates for projects to go to construction by were established by each implementing agency.
- In April 2016, the RTC approved a policy to give agencies one additional fiscal year from their proposed construction start date to advance projects (i.e., A project with an estimated start date of June 2017 (FY 2017) would have until the end of FY 2018 to start construction).
- The policy stipulates that if a project does not go to construction by the established deadline, the project's funding will be removed.



# Fall 2018 Update

- Staff provided an update on all Milestone projects to the Surface Transportation Technical Committee (STTC) at the October 2018 meeting.
- Five projects did not meet the letting deadline of FY 2018.
- STTC recommended to the RTC that the projects receive an extension until December 2019 and requested that staff provide a status update on the projects in the future.
- The RTC approved this recommendation at its November 2018 meeting.
- If the projects do not meet the new deadline, funding will be removed.

# Project Status Update

Agency	Facility/Limits	Scope	Let Date
Dallas County	Camp Wisdom Road from Carrier Parkway to FM 1382	Widen 2 to 4 lane divided	May 2019 (Estimated)
TxDOT Dallas	Northwest Highway (Spur 244) at Jupiter	Traffic signal and pedestrian improvements	April 2019 (Actual)
TxDOT Dallas	Northwest Highway (Spur 244) at Plano Road	Traffic signal and pedestrian improvements	April 2019 (Actual)
TxDOT Dallas	SH 78 from IH 635 to Forest Lane	Traffic signals and intersection improvements	April 2019 (Actual)
City of Denton	McKinney Street (Old FM 426) from 1.4 miles west of SL 288 to 1.1 miles east of SL 288	Widen 2 lane roadway to 4 lane divided urban	March 2019 (Actual – Partial) <sup>1</sup>

1: Project is being let in phases; Remaining portions of the project to be let in October 2019

# Next Steps

- Continue monitoring the progress of these projects as well as those that must let prior to the end of FY 2019.
- Initiate a review of projects to determine the next group of Milestone projects.

# Questions?

Christie J. Gotti  
Senior Program Manager  
Ph: (817) 608-2338  
[cgotti@nctcog.org](mailto:cgotti@nctcog.org)

Brian Dell  
Senior Transportation Planner  
Ph: (817) 704-5694  
[bdell@nctcog.org](mailto:bdell@nctcog.org)

James Adkins  
Transportation Planner  
Ph: (682) 433-0482  
[jadkins@nctcog.org](mailto:jadkins@nctcog.org)

# **DEVELOPMENT OF THE 2021-2024 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

Information and Upcoming Schedule

Surface Transportation Technical Committee

April 26, 2019



North Central Texas  
Council of Governments  
Transportation Department

# TIP DEVELOPMENT PROCESS

1. Review all existing projects and gather information on additional locally funded projects
2. Make needed revisions to existing project scopes, schedules, and/or funding
3. Develop revised project listings
4. Financially constrain project listings based on estimated revenue
5. Conduct Mobility Plan and Air Quality review
6. Solicit public review (process, draft listings, final listings)
7. Finalize project listings and submit to partners

# MEETING EXPECTATIONS

- **Meetings to Discuss Individual Projects will be:**
  - In-Person or Conference Calls
  - “Clustered”
- **Who Needs to Attend?**
  - Project managers that can answer questions about the status of projects in question
  - Fiscal managers to answer questions about expenditures, agreements, and invoicing
  - Texas Department of Transportation (TxDOT) staff will be present to help set realistic expectations regarding timing and process

# MEETING EXPECTATIONS:

## Project Status Update

- **Information is Needed by Phase**
  - Engineering
  - Environmental Clearance
  - Right-of-Way (ROW)
  - Utilities
  - Construction/Implementation
- **Start and End Dates**
  - Estimated dates if phase has not been started/completed
  - Actual dates if phase has been started/completed
  - Dates provided must be realistic given the realities of project implementation steps
- **Local Match Availability**
  - When will the local match be available? (If required)



# **MEETING EXPECTATIONS:**

## **Project Financial Information**

- **Status of Agreements**
  - Local Project Advance Funding Agreements (LPAFA) with TxDOT
  - Interlocal agreements with North Central Texas Council of Governments (NCTCOG)
- **Invoicing**
  - Timely billings to TxDOT (Federal/State funds)
  - Monthly reporting to the Revenue and Project Tracking System (RAPTS) for Regional Toll Revenue (RTR) projects

# MEETING EXPECTATIONS:

## Requests for Project Modifications

- **Venue for Requesting:**
  - Changes to project scope or limits
  - Funding Changes
    - Advancing or delaying a project (subject to financial constraint)
    - Requests for additional funding will be taken during the meetings, and reviewed against funding availability
    - Cost savings at project completion
    - Certain changes may or may not be possible depending on expenditure levels
  - Changes to Implementing Agency

# FOCUS AREAS

- Projects on the MPO Milestone Policy List
- Projects on the Federal Highway Administration (FHWA) Inactive List
- Projects on the FHWA Preliminary Engineering (PE) Audit List
- Projects in the Transportation Alternatives Program (TAP)/ Transportation Alternatives Set-Aside (TA) Program
- Requests for projects to be placed in the first year of the new TIP (FY 2021)
- Closing out projects with RTR Funds

# TIMELINE/ACTION

<b>Meeting/Task</b>	<b>Date</b>
Meeting with Implementing Agencies	May-August 2019
Data Input, Financial Constraint, and Analysis	June 2019-January 2020
Draft Listings- STTC Information	February 2020
Draft Listings- RTC Information	March 2020
Public Meetings- Draft Listings	March 2020
Final Listings- STTC Action	April 2020
Final Listings- RTC Action	May 2020
Submit Final Document to TxDOT	Summer 2020
Anticipate TxDOT Commission Approval (for STIP)	August 2020
Anticipate Federal/State Approval (STIP)	October 2020

# QUESTIONS/COMMENTS?

## **Christie Gotti**

Senior Program Manager

Ph: (817) 608-2338

[cgotti@nctcog.org](mailto:cgotti@nctcog.org)

## **Brian Dell**

Senior Transportation Planner

Ph: (817) 704-5694

[bdell@nctcog.org](mailto:bdell@nctcog.org)

## **Cody Derrick**

Transportation Planner

Ph: (817) 608-2391

[cderrick@nctcog.org](mailto:cderrick@nctcog.org)

## **Evan Newton**

Transportation Planner

Ph: (817) 695-9260

[enewton@nctcog.org](mailto:enewton@nctcog.org)

## **James Adkins**

Transportation Planner

Ph: (682) 433-0482

[jadkins@nctcog.org](mailto:jadkins@nctcog.org)

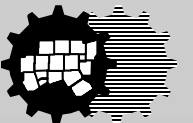
# **National Highway System Review**

Surface Transportation Technical Committee

Brian Flood

April 26, 2019

North Central Texas Council of Governments

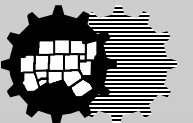


# Introduction

The National Highway System (NHS) is a network of nationally-significant roadways that support the movement of people and goods between population centers, international border crossings, major military installations, and intermodal facilities.

The NHS was originally designated in 1996.

In 2012, as part of Map-21 legislation, the NHS was expanded to include all Federal Functional Classification System (FFCS) Principal Arterials not currently on the system.

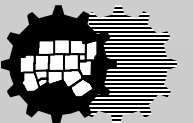


# Purpose of the NHS

Brings focus on parts of the transportation system with the largest impact on the movement of people and goods.

National Performance Management Measures calculated for the entire NHS:

- Pavement Condition
- Bridge Condition
- Safety
- Congestion
- Travel Time Reliability





# Components of the NHS

## Mandated by Federal Law:

The Interstate Highway System

The Non-Interstate Strategic Highway Network (STRAHNET),  
identified by the Department of Defense

Congressionally-designated High Priority Corridors

## Designated through coordination with local transportation officials:

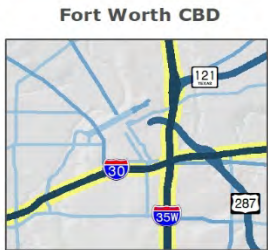
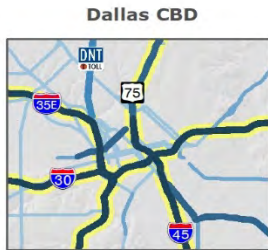
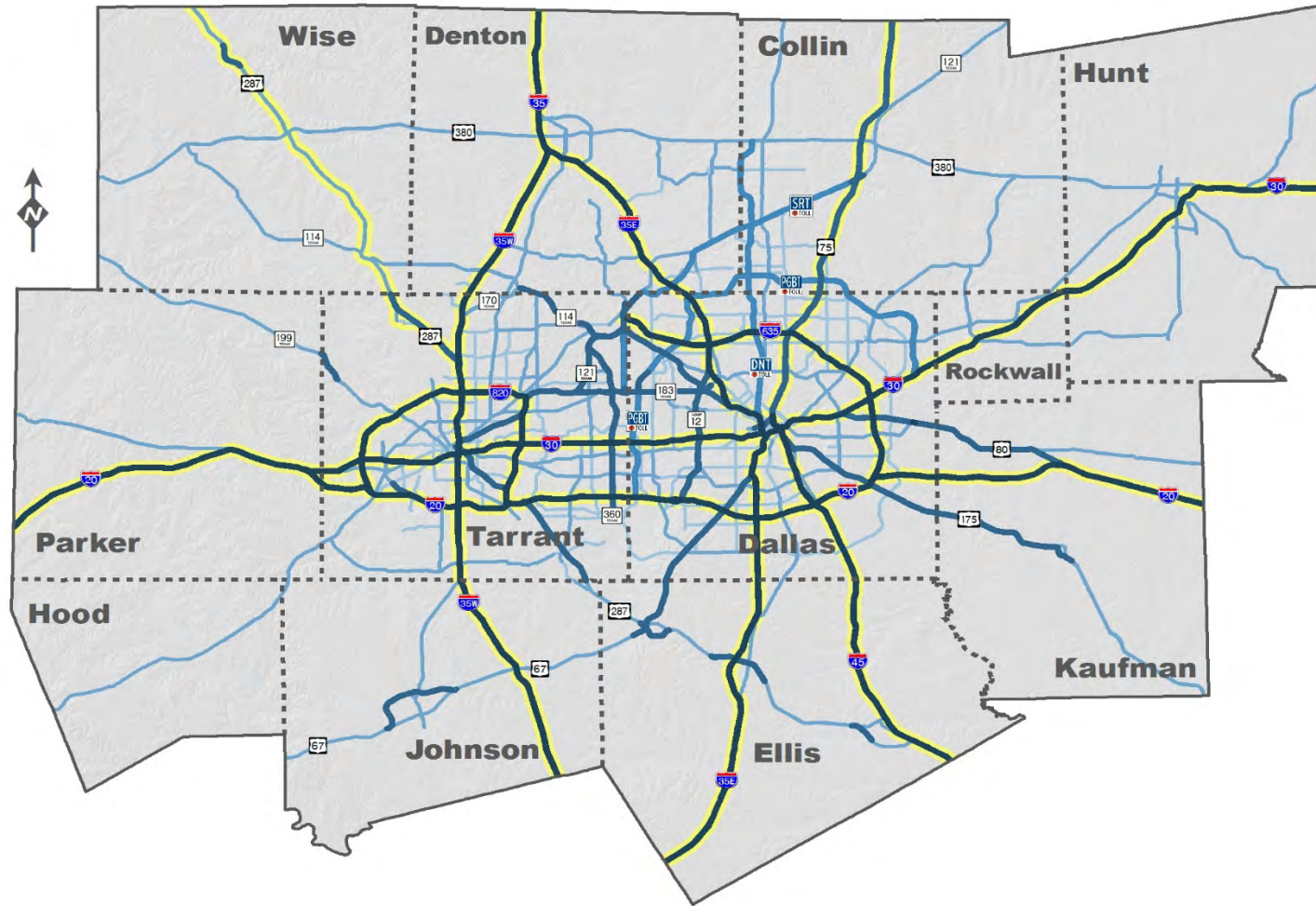
Other FFCS Urban and Rural Principal Arterials

Connectors that link intermodal facilities, such as ports, airports  
and AMTRAK stations, with the rest of the NHS



# National Highway System

- Interstate Highway
- Non-Interstate Freeway
- NTTA/Tollway
- On-System Arterial
- Off-System Arterial
- STRAHNET



North Central Texas  
Council of Governments

April 2019



# NHS Review – Why it Matters

The current NHS review is the first effort to rationalize the NHS system since its creation in 1996.

Harmonizes Functional Classification and NHS designations

Funding:

States receive funding from various federal apportionment programs.

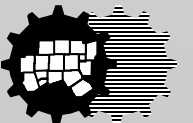
Some require a facility to be on the NHS, while others do not.

Various TxDOT/TIP funding categories are funded with multiple apportionment programs. This allows facilities that are not on the NHS to still be eligible for these categories if they meet other required criteria.

Other factors are more critical for determining eligibility for various federal funding categories:

Inclusion in the FFCS as a Major Collector or higher classification

TxDOT on- or off-system status determines eligibility for some categories



# NHS Review – The Process

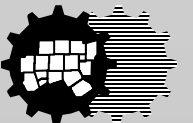
Prompted by the Federal Highway Administration in mid 2017, the TxDOT Transportation Planning and Programming Division (TxDOT PPD) initiated the NHS review by performing the following tasks:

- Used FHWA guidelines to evaluate all Principal and Minor Arterials in the state

- Used FHWA guidelines to review existing intermodal connectors and intermodal facilities within the state

- Suggested updating NHS designations based on Arterial and Intermodal Connector review findings

- Shared findings with TxDOT Districts and MPOs for review and concurrence

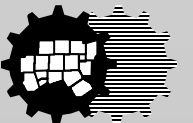


# NHS Review – NCTCOG

TxDOT PPD presented a list of preliminary suggested modifications to the NHS to NCTCOG staff in February for evaluation.

Staff is in the process of evaluating the suggested modifications utilizing FHWA & internal criteria.

Staff will provide statements of support, revision, or rejection of suggested modifications to NHS and (if necessary) Functional Classification System to TxDOT PPD. Significant changes to the current system are not expected as part of this review.



# NHS Review – Timeline

## April

STTC information item (overview of update/process)

## May/June

RTC Director's Report

Local Government Workshops

Public Meeting Presentation

NCTCOG supported modifications will be sent to FHWA via TxDOT TPP for initial review of their suitability as official requests to modify the NHS

FHWA provides final feedback; NHS modification requests will be prepared by TxDOT TPP and provided to NCTCOG

## July

STTC information item (proposed modifications)

## August

RTC information item (proposed modifications)

STTC action item

## September

RTC action item

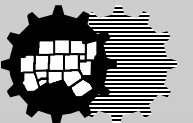


# Contacts/Questions

Brian Flood  
Senior Transportation Planner  
817-695-9243  
[bflood@nctcog.org](mailto:bflood@nctcog.org)

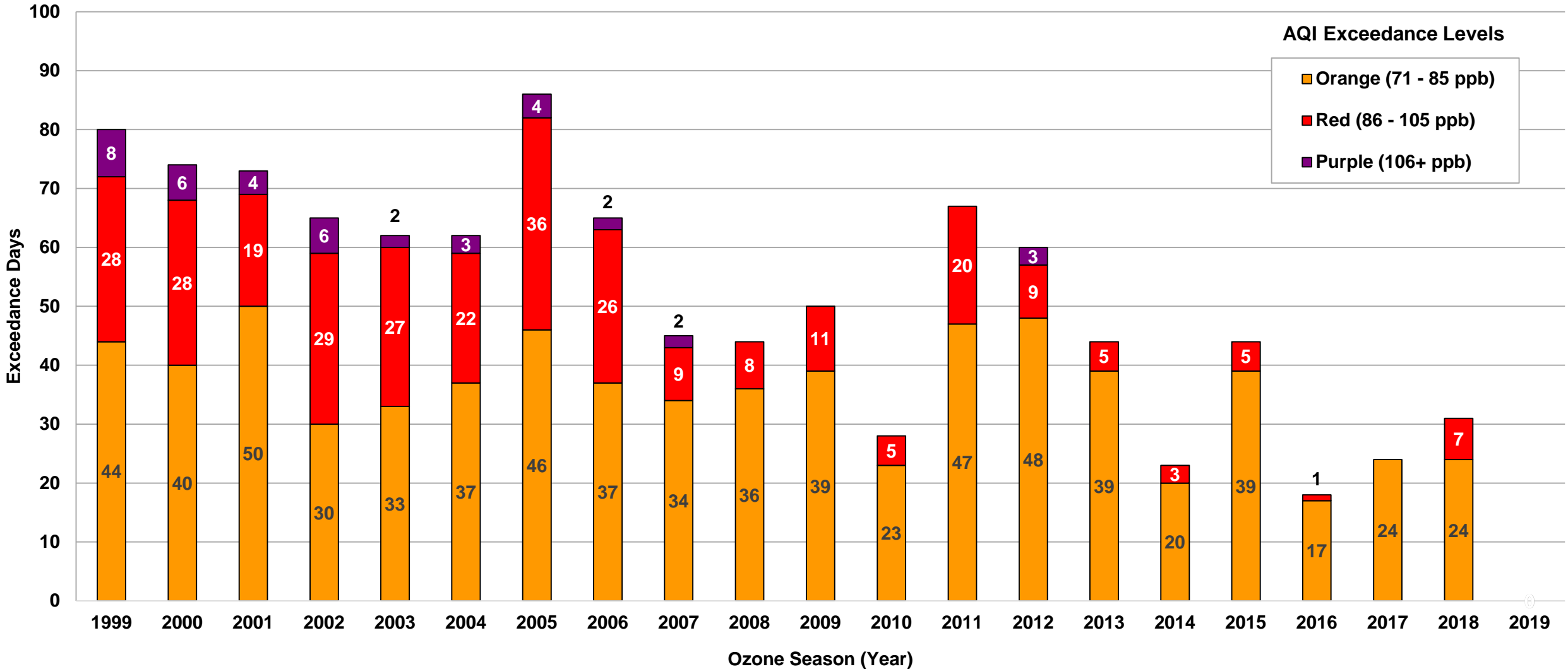
Berrien Barks  
Program Manager  
817-695-9282  
[bbarks@nctcog.org](mailto:bbarks@nctcog.org)

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



# 8-HOUR OZONE NAAQS HISTORICAL TRENDS

Based on  $\leq 70$  ppb (As of April 26, 2019)



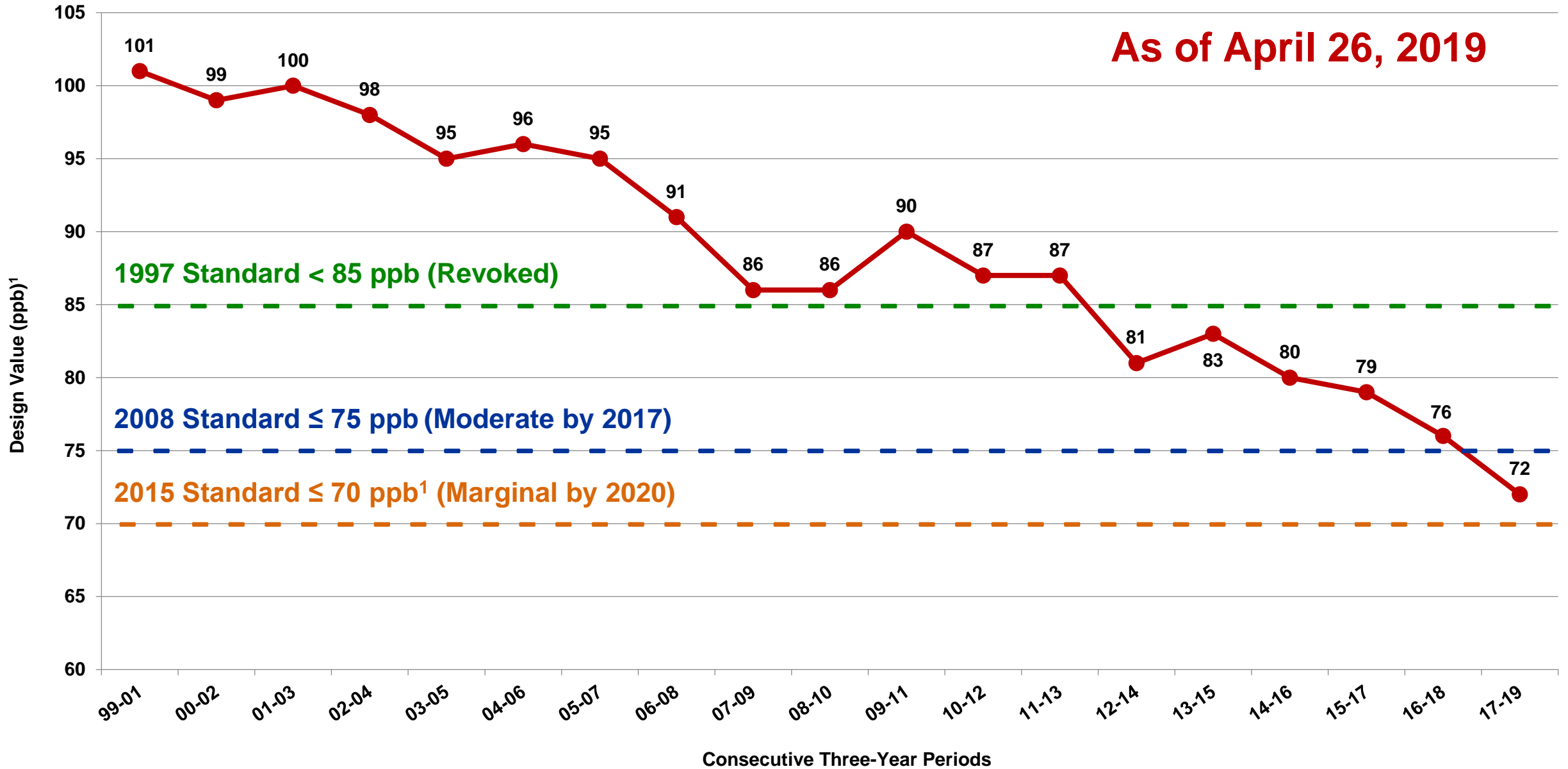
Exceedance Level indicates daily maximum eight-hour average ozone concentration.  
Exceedance Levels are based on Air Quality Index (AQI) thresholds established by the EPA for the revised ozone standard of 70 ppb.

Source: TCEQ, [http://www.tceq.state.tx.us/cgi-bin/compliance/monops/8hr\\_monthly.pl](http://www.tceq.state.tx.us/cgi-bin/compliance/monops/8hr_monthly.pl)  
ppb = parts per billion



# 8-HOUR OZONE NAAQS HISTORICAL TRENDS

As of April 26, 2019



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

# For More Information

**Jenny Narvaez**  
**Program Manager**  
**(817) 608-2342**  
[jnarvaez@nctcog.org](mailto:jnarvaez@nctcog.org)

**Jackson Enberg**  
**Air Quality Operations Analyst**  
**(817) 704-2506**  
[jenberg@nctcog.org](mailto:jenberg@nctcog.org)

**Trey Pope**  
**Air Quality Operations Analyst**  
**(817) 695-9297**  
[tpope@nctcog.org](mailto:tpope@nctcog.org)