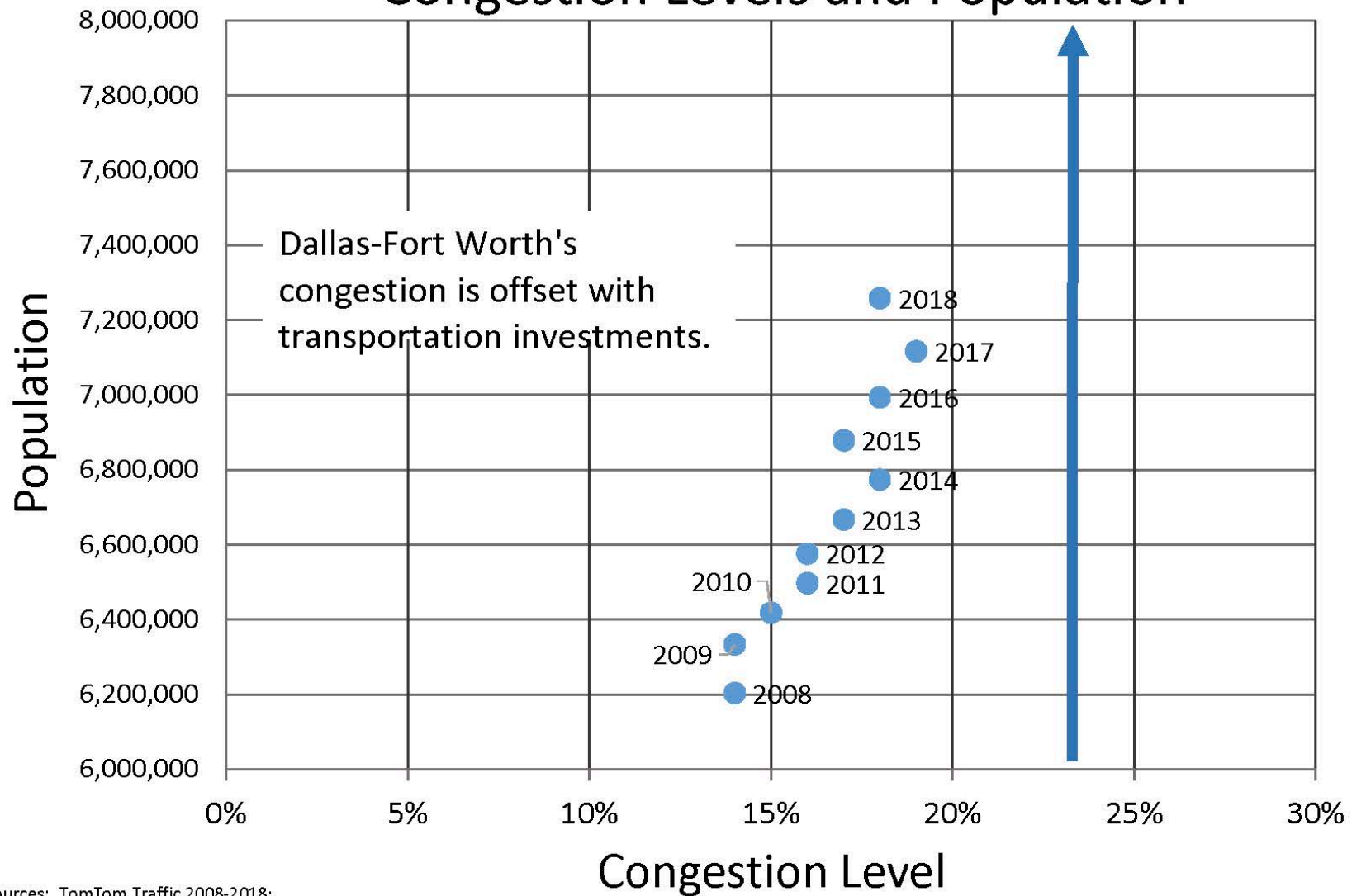


# Dallas-Fort Worth Congestion Levels and Population



Sources: TomTom Traffic 2008-2018;  
North Central Texas Council of Governments

# 2019 INFRA Discretionary Grant Program – Project Award

## North Texas Strategic NHS Bridge Program

### ■ **TxDOT Dallas District Bridges:**

- Loop 12 NB at IH 35E SB (Dallas County) – Replacement
- US 80 EB at East Fork Trinity River (Kaufman County) – Reconstruction
- FM 460 at US 80 (Kaufman County) – Reconstruction

### ■ **TxDOT Fort Worth District Bridges:**

- IH 35W NB at IH 35W SB Alvarado Exit Ramp (Johnson County) – Removal
- US 180 WB at Dry Creek (Parker County) – Replacement
- US 287 NB at Carey Street (Tarrant County) – Reconstruction
- US 287 SB at Lancaster Avenue (Tarrant County) – Replacement

# RTC ACTION ON UBER RELOCATION

---

Additional \$10M in New Funds

Spend \$10M-\$15M on Transportation

Pursue 5 Projects in August 13, 2019, RTC Correspondence

Add to Action-

In addition to these financial commitments, the RTC requests Uber share transportation-related data with the region. One way to maximize the efficiency and effectiveness of this information exchange is for Uber to request the RTC play a coordination role with interested public-sector governments.

# GARLAND INTERCHANGE



# RTC ACTION ON CITY OF GARLAND PARTNERSHIP AT GARLAND AVE AND IH 635

---

Thank City of Garland for Approval

Mediate City of Garland Concerns with a New RTC Partnership  
Program Using New Funds

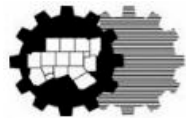
Pursue a Solution for Approximately \$15M

Bring Back for RTC Approval Specific Projects for Implementation

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

Regional Transportation Council

September 12, 2019



North Central Texas  
Council of Governments  
Transportation Department

# BACKGROUND

- The updated Regional 10-Year Plan project listing was approved by the Regional Transportation Council (RTC) on May 9, 2019.
- Project lists were submitted to Texas Department of Transportation (TxDOT) headquarters by the TxDOT districts in June 2019.
- In July 2019, TxDOT released a draft 2020 Unified Transportation Program (UTP) listing and held a public meeting.
- Most of the projects the RTC approved with Category 2 and 12 funds are funded in the 2020 UTP.
- North Central Texas Council of Governments (NCTCOG)/RTC submitted public comments on several projects, including requesting that all RTC-approved Category 2 funds be placed in the UTP.

# FUNDING CHANGES SINCE MAY RTC MEETING

- Switch Funds
  - IH 30 (Rockwall County) - Add \$50,000,000 Category 5 (CMAQ), and Reduce Category 12 by \$50,000,000 to reflect closer to a 50% RTC/50% TTC partnership
- Reduce Funds
  - IH 30 (Dallas County) – Reduce Category 12 to \$25,000,000
- New Additions
  - IH 35 (Denton County) - Add \$629,790,319 of Category 12
- Minor Funding Changes
  - The TTC approved a series of changes in funding amounts in Categories 2, 4, and 12
  - NCTCOG staff has updated the Region's 10-Year Plan listing to show these differences



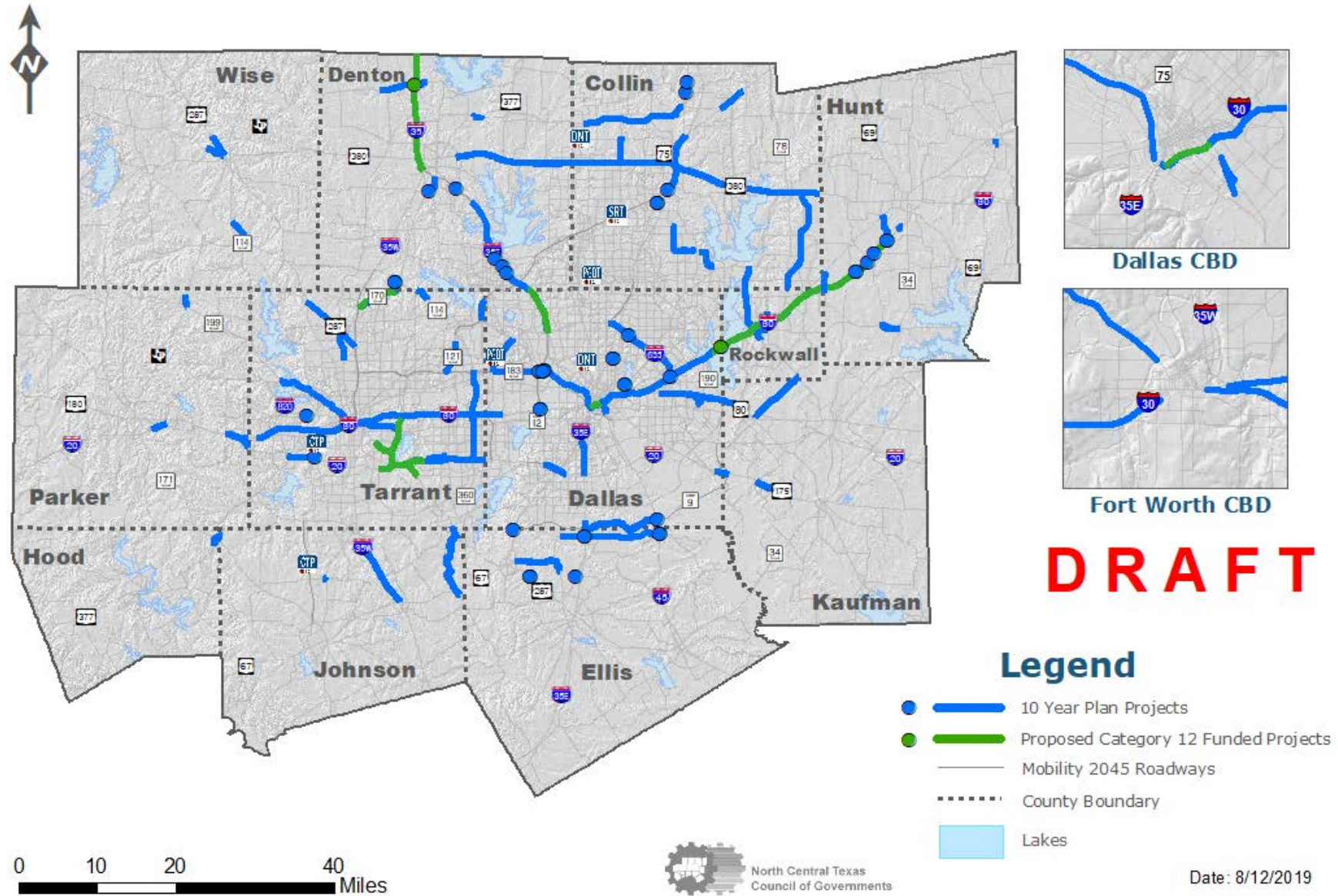
# PROJECTS TO BE FUNDED WITH CATEGORY 12 FUNDS IN 2020 UTP

- IH 30 (Canyon) in Dallas County - \$300 million
- IH 30 (from County Line to FM 1570) in Hunt County - \$40 million
- IH 30 in Dallas/Rockwall County - \$694 million
- IH 35 (from IH 35E/W Split to County Line) in Denton County - \$866 million
- IH 35E (from IH 635 to Denton County Line) in Dallas County - \$600 million
- SH 170 in Tarrant County - \$155 million
- Southeast Connector in Tarrant County - \$1.59 billion

\*Funding amounts include all funding sources

# Dallas-Fort Worth Regional 10 Year Plan Projects

FY 2017 - FY 2029



# REQUESTED ACTION

- RTC approval of:
  - The revised 2019 Regional 10-Year Plan project listing.
  - Administratively amending the Transportation Improvement Program (TIP)/Statewide Transportation Improvement Program (STIP and amending other planning/administrative documents to incorporate these changes.
  - Replacing funds that were temporarily moved to maximize TTC contributions for 2020 in the next iteration of the regional 10-Year Plan.

# CONTACT/QUESTIONS?

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Transportation Planner  
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# DISADVANTAGED BUSINESS ENTERPRISE PROGRAM

*Fiscal Year 2020-2022 Goal  
Update*

*Regional Transportation Council  
September 12, 2019*



## FY2020-2022 DBE GOAL UPDATE

### *DBE Program Guidance and Thresholds*



Requirement: [49 Code of Federal Regulations Part 26](#)

Who is required to have a DBE Program:

- Certain Recipients of Federal Funds (FTA, FHWA, FAA)

What are the Requirements:

- Updated DBE Goal Every Three Years (new goal due August 1, 2019)
- Current Goal of 25% Active through September 30, 2019, covered FY2017-2019
- Publication of DBE goal as part of RFP
- Certification of DBE Eligibility

## FY2020-2022 DBE GOAL UPDATE

### *Process to Update DBE Goal*

- ✓ Initiate Public Input/Stakeholder Involvement
- ✓ Project Potential Contract Awards (FY 20-22)
- ✓ DBE Goal Development
- ✓ Publish Goal for Public Comment/Review
- ➔ Committee Review/Consideration

Implement New DBE Goal – October 1, 2019

## 2 Step Process:

### **FY2020-2022 DBE GOAL UPDATE**

*Development of  
DBE Goal*

Step 1:

Determine Relative Availability of  
Ready, Willing & Able DBE Firms



Step 2:

Consideration of Other DBE Data



# FY2020-2022 DBE GOAL UPDATE

*Step 1:*

*Project Potential Contract Awards / DBE Availability Analysis*

*NCTCOG Only (FTA, FHWA Funding Sources)*

Procurement Type	Potential Awards (in \$1,000s**)	DBE Firms	Total Firms	DBE Goal
Marketing, Advertising, and Public Relations	\$1,855	246	1580	15.6%
Office Supplies & Equipment (Rental & Purchase)	\$480	29	997	2.9%
Planning/Engineering	\$16,794	524	1673	31.3%
Software and Ancillary Information Technology Professional Services	\$604	219	2635	8.3%
<b>TOTAL</b>	<b>\$19,733</b>	<b>1,018</b>	<b>6,885</b>	<b>14.8</b>
<b>Total Weighted Summary</b>				<b>28.4%</b>

\*\*Dollars represent total contract award. Federal share may be 50%-100% of contract award.

## FY2020-2022 DBE GOAL UPDATE

*Step 2:  
Items Reviewed for  
Potential  
Adjustments*

- ✓ Market Area
- ✓ Projections of Specific Procurement Activities
- ✓ Public Comment
- ✓ Stakeholder Comment
- ✗ Disparity Studies
- ✓ Historical DBE Achievement
- ✓ Similar Entity DBE Goals

# FY2020-2022 DBE GOAL UPDATE

## *Proposed Goal*

*NCTCOG Awards Only  
(FTA, FHWA Funds)*

CONTRACTING ENTITY*	FTA	FHWA^	TOTAL
NCTCOG	30.4%	27.3%	28.4%*

Race Conscious 55%, Race Neutral 45%

^FHWA funds also include other federal and local sources.

\*Weighted by Contract Service Type, Contract Award Amount, and Market Area

# FY2020-2022 DBE GOAL UPDATE

*Step 1:*

*Project Potential Contract Awards / DBE Availability Analysis*

*Subrecipients Only (FTA, FHWA Funding Sources)*

\*\*Dollars represent total contract award. Federal share may be 50%-100% of contract award.

Procurement Type	Potential Awards (in \$1,000s**)	DBE Firms	Total Firms	DBE Goal
Building Construction	\$275	235	791	29.7%
Marketing, Advertising, and Public Relations	\$217	55	961	5.7%
Office Supplies & Equipment (Rental & Purchase)	\$537	9	858	1.0%
Operational Administrative, Communications, Support Services	\$2,476	406	8205	4.9%
Planning/Engineering	\$80	371	1387	26.7%
Software and Ancillary Information Technology Professional Services	\$213	3	186	1.6%
Transportation Equipment	\$3,151	8	104	7.7%
Vehicle Maintenance and Operations Support	\$4,998	30	2569	1.2%
<b>TOTAL</b>	<b>\$11,947</b>	<b>1,117</b>	<b>15,061</b>	<b>7.4%</b>
<b>Total Weighted Summary</b>				<b>5.0%</b>

## FY2020-2022 DBE GOAL UPDATE

*Step 2:  
Items Reviewed for  
Potential  
Adjustments*

- ✓ Market Area
- ✓ Projections of Specific Procurement Activities
- ✓ Public Comment
- ✓ Stakeholder Comment
- ✗ Disparity Studies
- ✓ Historical DBE Achievement
- ✓ Similar Entity DBE Goals

# FY2020-2022 DBE GOAL UPDATE

## *DBE Availability Analysis*

*Subrecipients Awards Only (FTA, FHWA Funds)*

CONTRACTING ENTITY	FTA	FHWA^	TOTAL
SUBRECIPIENTS	3.2%	7.7%	5.0%*

Race Conscious 55%, Race Neutral 45%%

^FHWA funds also include other federal and local sources.

\*Weighted by Contract Service Type, Contract Award Amount, and Market Area

# FY2020-2022 DBE GOAL UPDATE

## Overall Proposed Goal

*NCTCOG and Subrecipients (FTA, FHWA Funds)*

CONTRACTING ENTITY	FTA	FHWA^	TOTAL
NCTCOG	30.4%	27.3%	28.4%
SUBRECIPIENTS	3.2%	7.7%	5.0%
TOTAL WEIGHTED GOAL*	15.8%	21.3%	<b>19.4%*</b>

Race Conscious 55%, Race Neutral 45%

^FHWA funds also include other federal and local sources.

\*Weighted by Contract Service Type, Contract Award Amount, and Market Area

# FY2020-2022 DBE GOAL UPDATE

## *Schedule*

TASK	DATE	STATUS
Public Meeting to Kickoff DBE Goal Update Process	June 10	✓
STTC Meeting: Information Item	June 28	✓
Consultation Meeting with Stakeholders	July 2	✓
Notice to Public of Proposed Goal (start 45-Day Public Comment Period)	July 10	✓
RTC Meeting: Information Item	July 11	✓
Submit draft Electronically to FTA	August 1	✓
STTC: Action Item	August 23	✓
End of 45-day Public Comment Period	August 30	✓
RTC: Action Item	Sept. 12	
Executive Board: Action Item	Sept. 26	
Submit Final Electronically to FTA	Sept. 27	
DBE Program Update and Goal Effective	October 1	



# **FY2020-2022 DBE GOAL UPDATE**

## *Action*

### Action Requested:

Staff requests Regional Transportation Council approval of the Disadvantaged Business Enterprise Participation Goal for Fiscal Years 2020-2022 for US Department of Transportation contracting opportunities

# FY2020-2022 DBE GOAL UPDATE

*Questions?*



## **Ken Kirkpatrick**

Counsel for Transportation

DBE Liaison Officer

Phone: 817-695-9278

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

## **Emily Beckham**

Grants and Contracts Manager

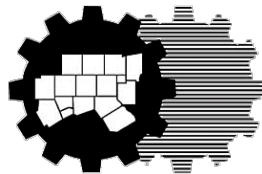
Phone: 817-608-2308

Email: [ebeckham@nctcog.org](mailto:ebeckham@nctcog.org)

# Interstate Highway 45 Zero-Emission Vehicle Corridor Plan and Alternative Fuel Updates

**Regional Transportation Council  
September 12, 2019**

**Lori Clark  
Program Manager and  
DFW Clean Cities Coordinator**



**North Central Texas  
Council of Governments**

# Background

## Section 1413 of the Fixing America's Surface Transportation Act

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



**Electric Charging**



**Hydrogen**



**Propane**



**Natural Gas  
(CNG and LNG)**

## Benefits of Corridor Designation

- Prioritize Future Fueling Station Investment
- Accelerate Public Interest/Awareness with Signage
- Improves User Experience (Reliability & Wayfinding)

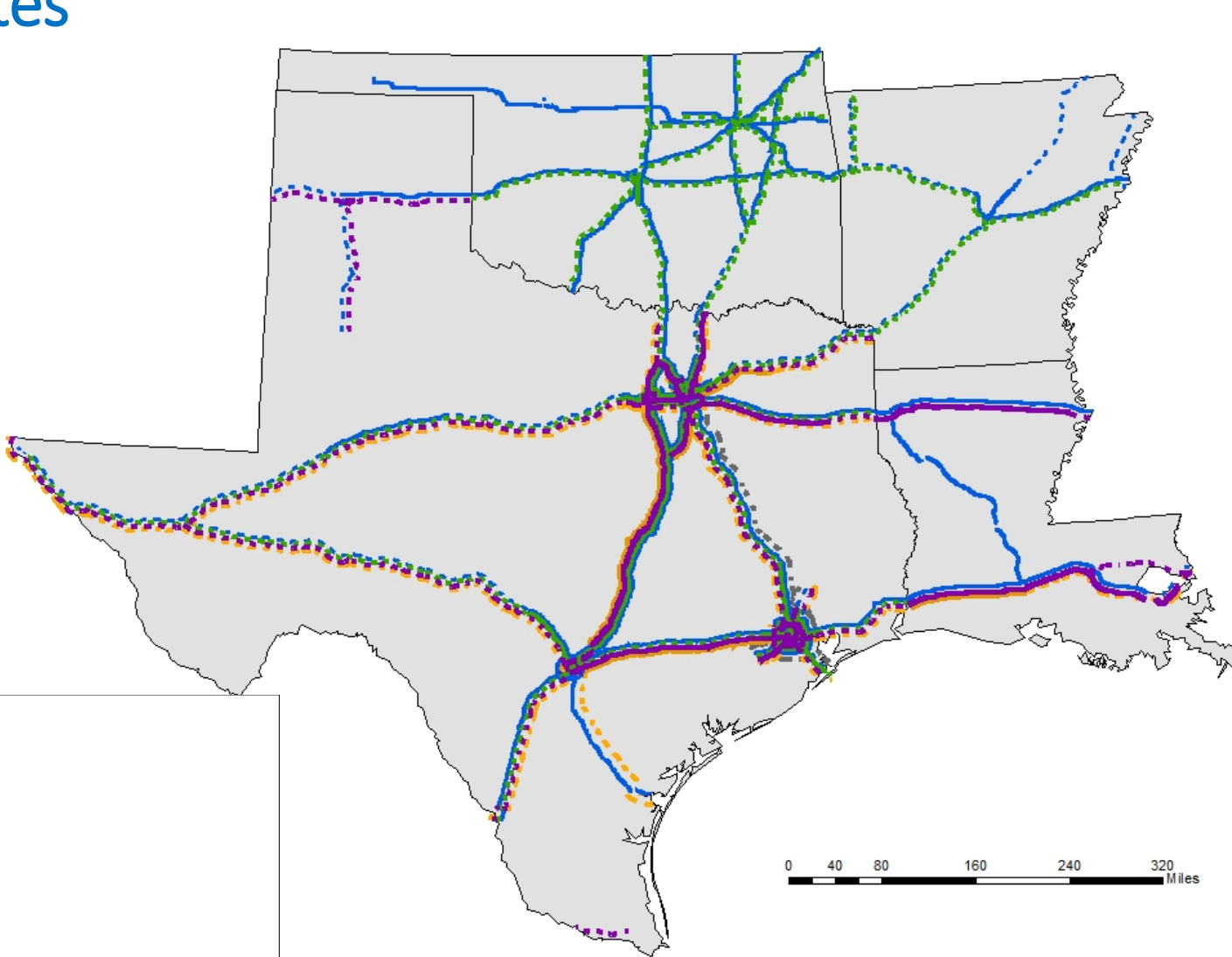
## Schedule & History

- 2016: Round 1 Nominations Submitted by NCTCOG, H-GAC, TxDOT
- 2017: Round 2 Nominations Submitted by TxDOT, RTC Submitted Requests to TxDOT
- 2018: Round 3 Nominations Submitted by TxDOT, RTC Submitted Requests to TxDOT
- 2019: Round 4 Nominations Opening Fall 2019

# 2018 Submittal

Corridor	Section	Fuel Type	RTC Recommended	TxDOT Submitted	FHWA Designated
IH 635	Metro Loop	CNG, Propane, Electric	✓	✓	✓
IH 820	Metro Loop	CNG, Propane, Electric	✓	✓	✓
US 67	Cleburne to IH 20	CNG	✓	✓	
US 287	Ennis to Amarillo	CNG, Propane, Electric	✓	✓	
US 380	<b>Near Greenville to Denton</b>	CNG, Propane, Electric	✓	✓	

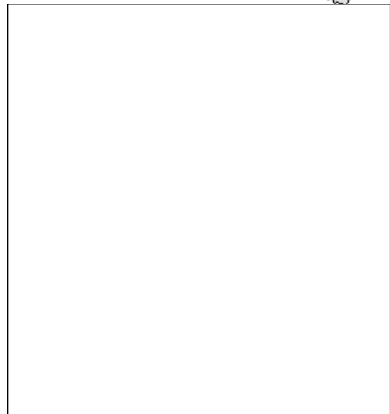
# All FHWA-Designated Alternative Fuel Corridors for Texas and Neighboring States



**16**  
Interstates

**1**  
State Highway

**1**  
US Highway



Data Downloaded from FHWA Website and AFDC Station Locator



August 2019 - NCTCOG

# FHWA-Designated Gaseous Alternative Fuel Corridors

## Compressed Natural Gas (CNG)

- Corridor Pending
- Corridor Ready

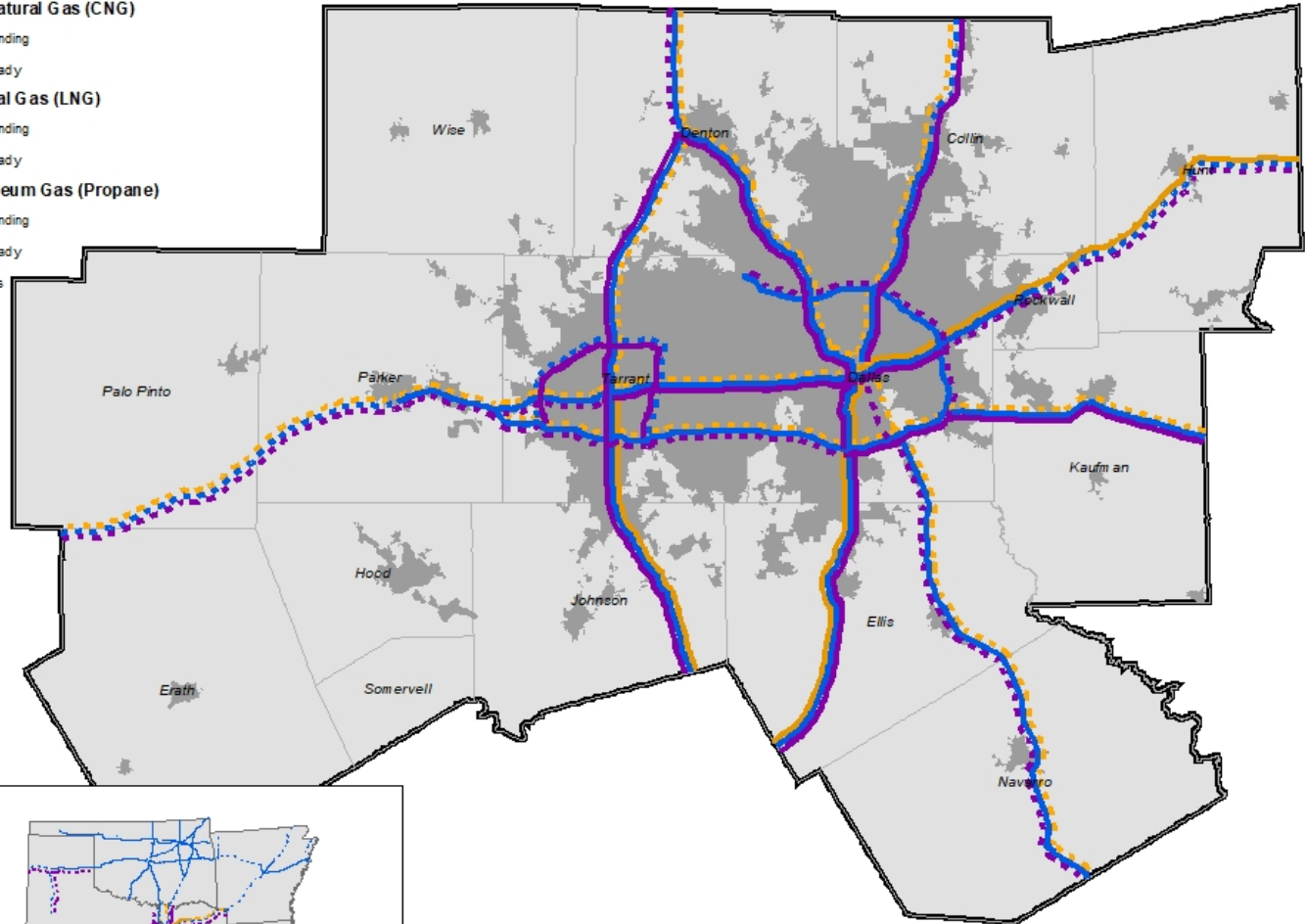
## Liquefied Natural Gas (LNG)

- Corridor Pending
- Corridor Ready

## Liquefied Petroleum Gas (Propane)

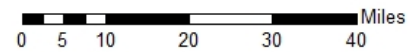
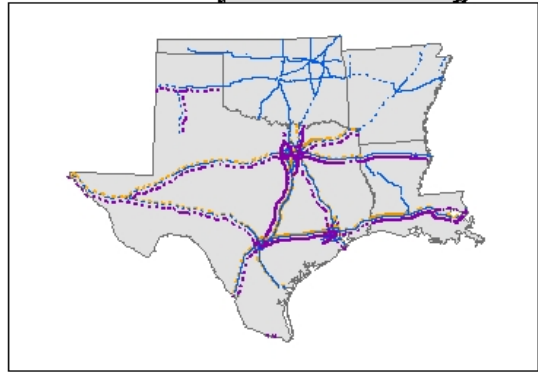
- Corridor Pending
- Corridor Ready

Urban Areas



**Increasingly Important for Medium and Heavy-Duty Vehicles**

**Utilized Frequently in the Freight Industry**



# FHWA-Designated Zero-Emission Vehicle Corridors

## Hydrogen Fuel Cell Electric Vehicles (FCEV)

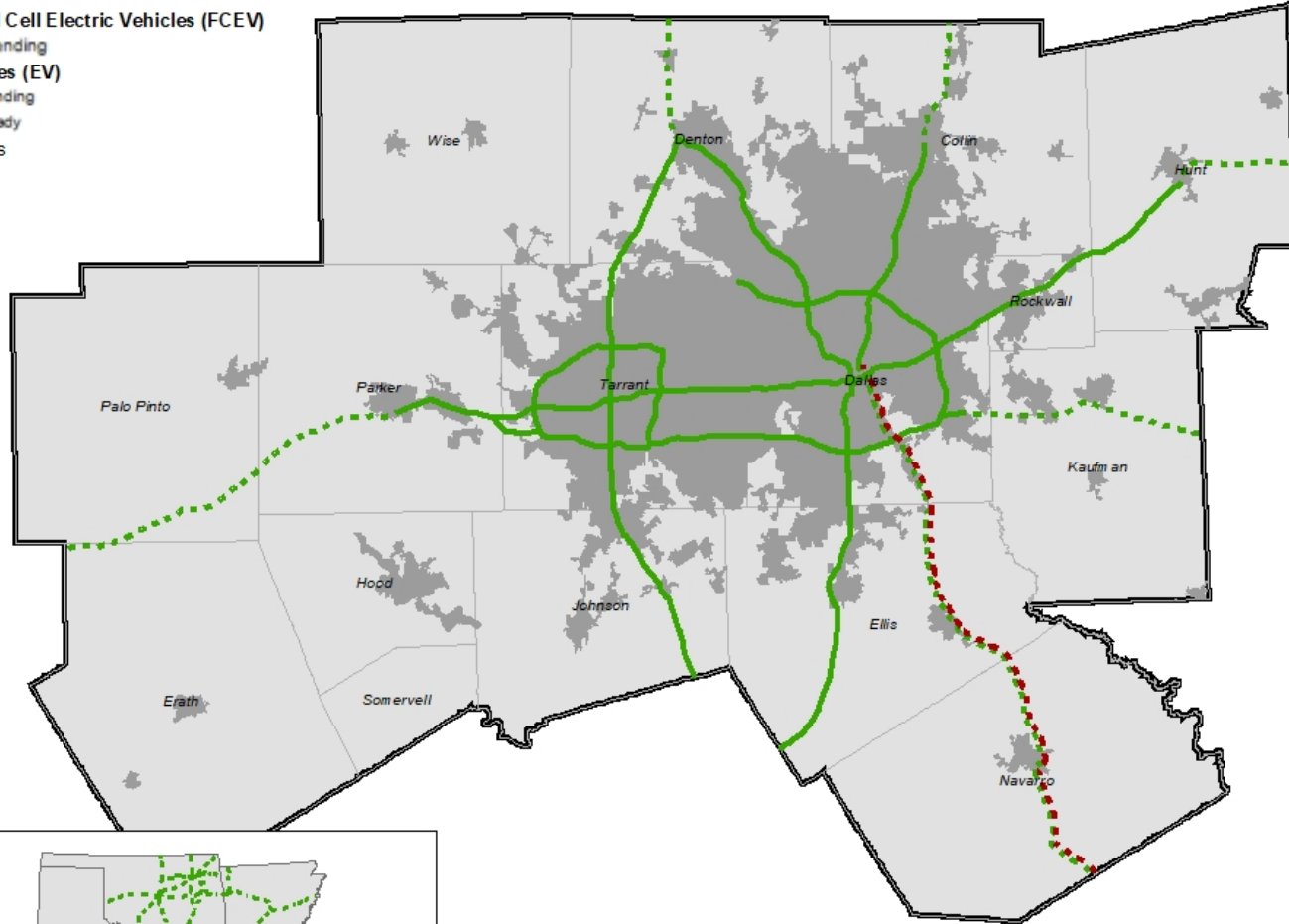
■ Corridor Pending

## Electric Vehicles (EV)

■ Corridor Pending

■ Corridor Ready

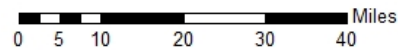
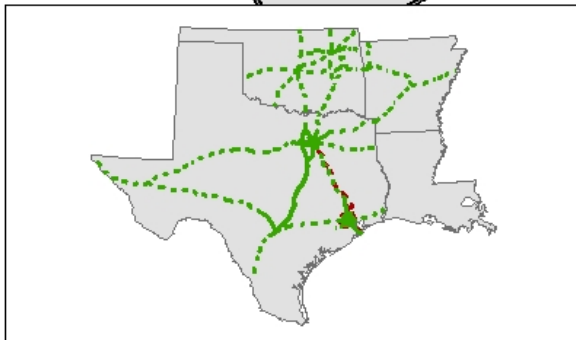
■ Urban Areas



## Hydrogen Fuel Cell Class 8 Trucks Have Been Developed

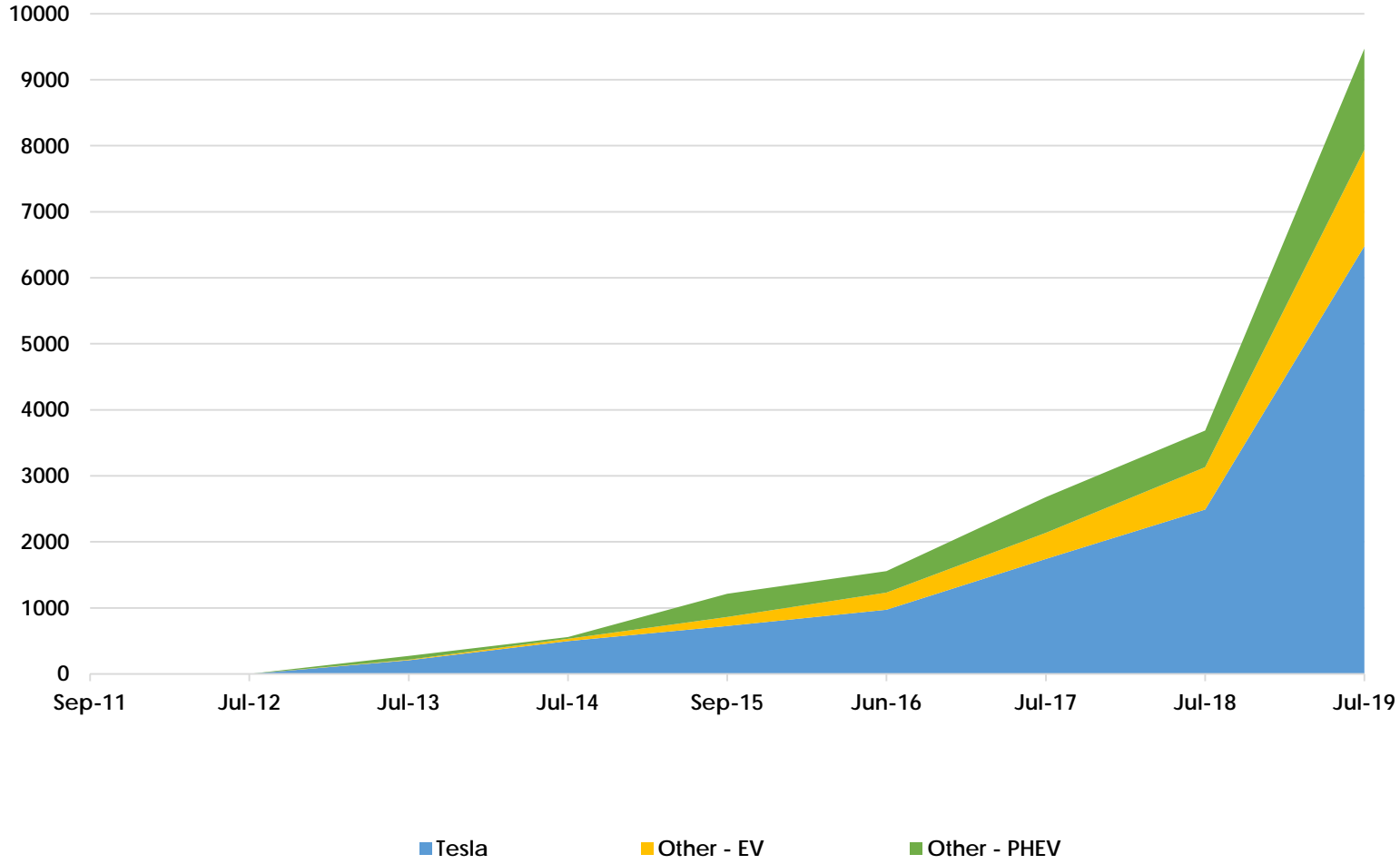


*Toyota Zero-Emission Truck, NCTCOG Staff Photo*





# North Texas Electric Vehicle (EV) Registrations As of July 2019



**Total Registered Electric Vehicles: 9473**

**Top 5 EV Makes/Models in North Central Texas:**

- 1. Tesla Model 3: 4279**
- 2. Tesla Model S: 1773**
- 3. Tesla Model X: 789**
- 4. Chevrolet Volt: 721**
- 5. Ford Fusion: 396**

Join Us for National Drive Electric Week!

# NATIONAL DRIVE ELECTRIC WEEK



Largest  
showcase of  
EVs in Texas



2nd largest EV  
event in the  
country



Learn from real  
North Texas  
owners

**9.21.19**



**Join the rEVolution @  
driveelectricdfw.org**

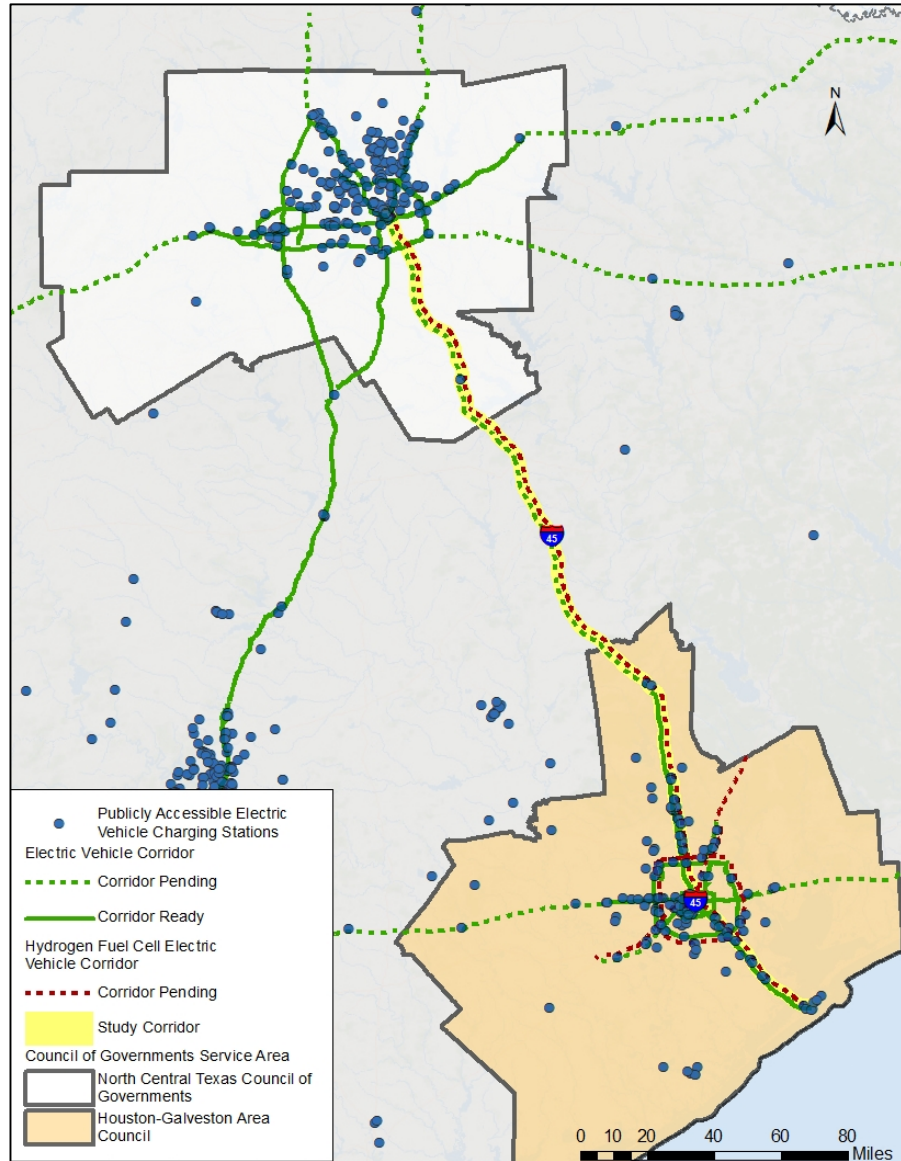
**Two Events:**

**Friday September 20:**  
Planning Workshop

**Saturday September 21:**  
Showcase Event with Electric  
Vehicle Owners, Dealers, Other  
Complementary Technologies

[www.driveelectricdfw.org](http://www.driveelectricdfw.org)

# FHWA Solicitation for Alternative Fuels Corridor Deployment Plans



## Goals:

1. Develop an Infrastructure Deployment Plan
2. Transition Corridors from “Pending” to “Ready”
3. Identify Public-Private Partnerships

**Applications Due: September 9, 2019**

**Projects Due: November 30, 2020**

**Funding Level: \$60,000-\$80,000**

## NCTCOG Proposal (Endorsement Requested):

Collaborate with H-GAC to  
Develop Electric and Hydrogen Plan along I-45  
to Create Zero Emission Vehicle Corridor  
Request Full Funding; Provide 20%  
Required Match Using RTC Local

## For More Information

**Lori Clark**

**Program Manager and  
DFW Clean Cities Coordinator**

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**Bethany Hyatt**

**Air Quality Planner**

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**[www.dfwcleancities.org/altfuelcorridors](http://www.dfwcleancities.org/altfuelcorridors) and [www.dfwcleancities.org/evnt](http://www.dfwcleancities.org/evnt)**

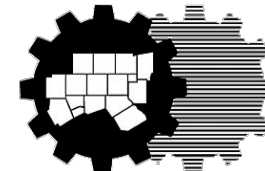
# 2008 Ozone Air Quality Standard

**Regional Transportation Council**

**September 12, 2019**

**Jenny Narvaez**

**Program Manager**



**North Central Texas  
Council of Governments**

# **2008 OZONE AIR QUALITY STANDARD**

## **RECLASSIFICATION (EPA)**

***August 23, 2019*** – Dallas/Fort Worth 10-County Nonattainment Area  
Reclassification from “Moderate” to “Serious”

**Collin, Dallas, Denton, Ellis, Johnson, Kaufman, Parker, Rockwall,  
Tarrant, and Wise**

***August 3, 2020*** –State Implementation Plan Revision Due From TCEQ to EPA

**Attainment Demonstration**

**Reasonable Further Progress**

**NOx & VOC Reasonable Available Control Technologies Rules**

***July 20, 2021*** – “Serious” Attainment Date

**Design Value Based on 2018, 2019, and 2020 Ozone Seasons**

# 2008 OZONE AIR QUALITY STANDARD

## STATE IMPLEMENTATION PLAN REVISION (TCEQ)

*August 23, 2019* – SIP Documents Available on TCEQ Web Site

*September 11, 2019* – TCEQ Commission Proposal Agenda

**DRAFT**

*September 13, 2019 to October 28, 2019* – Public Comment Period

*October 17, 2019* – Public Hearing in Arlington TX

*March 4, 2020* – TCEQ Commission Adoption

?

– TCEQ Submits SIP Documents to EPA

*August 3, 2020* – SIP Documents Due to EPA

# 2008 OZONE AIR QUALITY STANDARD TRANSPORTATION CONFORMITY (RTC)

**August 23, 2019** – Proposed 2020 Motor Vehicle Emission Budgets:

NO<sub>x</sub>: 88.27 tons/day  
VOC: 53.05 tons/day

**DRAFT**

**August 3, 2020** – SIP Documents Due to EPA

90-DAYS ↓ (Assuming End of Deadline)

**November 2020** – EPA Adequacy on MVEB's for Conformity Purposes

2-YEARS ↓ (Assuming End of Deadline)

**November 2022** – Transportation Conformity Determination Deadline

**NOTE: Mobility 2045 Existing 4-Year Plan Cycle Expires November 20, 2022  
Upcoming Mobility 2045 Schedule Under Development**



# RESOURCES

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**Senior Program Manager**  
**817-695-9286**  
**cklaus@nctcog.org**

# Virgin Hyperloop One/High-Speed Rail Update

Regional Transportation Council

September 12, 2019

Michael Morris, P.E.

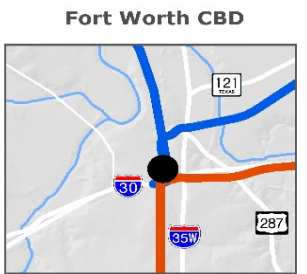
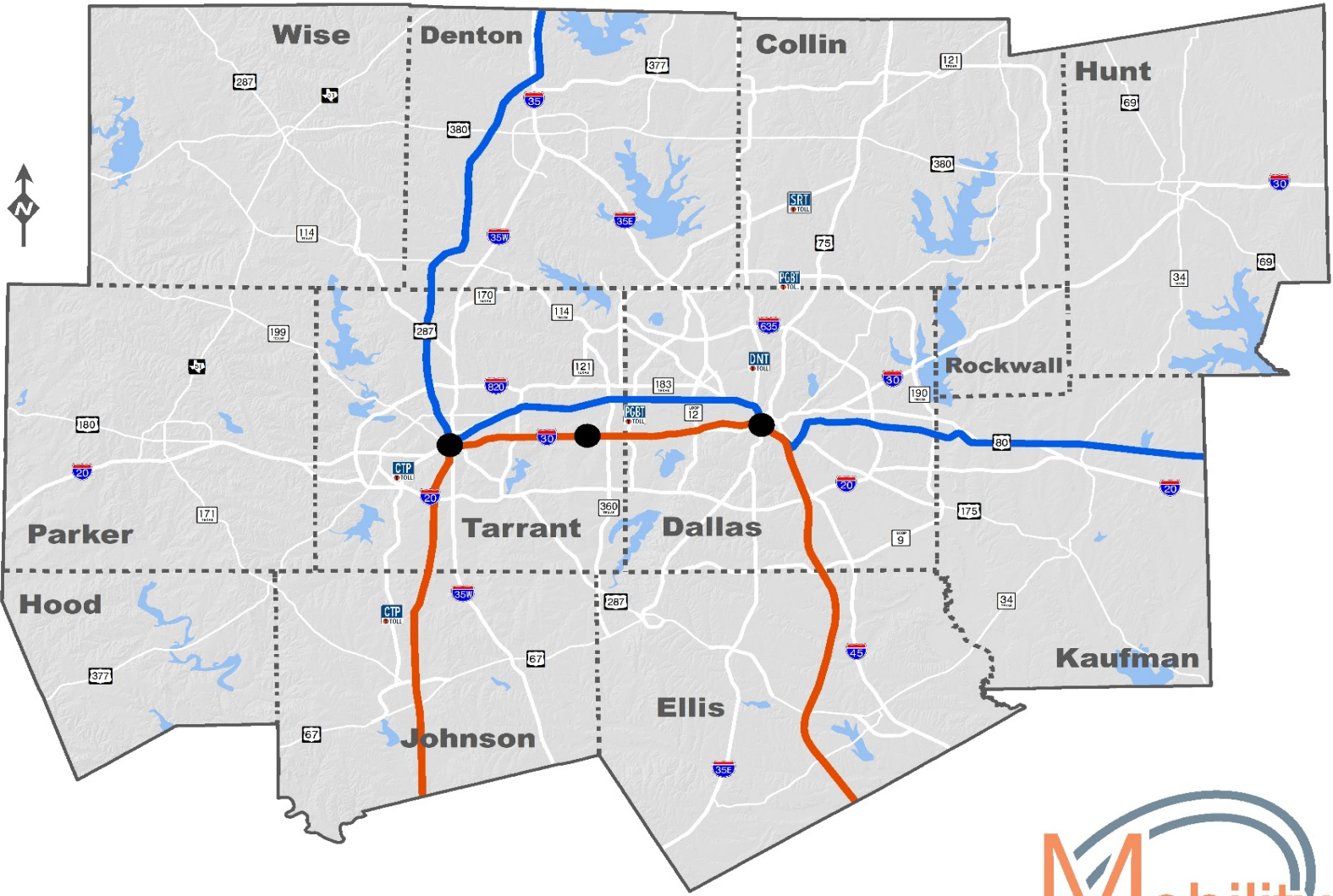


North Central Texas  
Council of Governments



# High-Speed Rail Recommendations

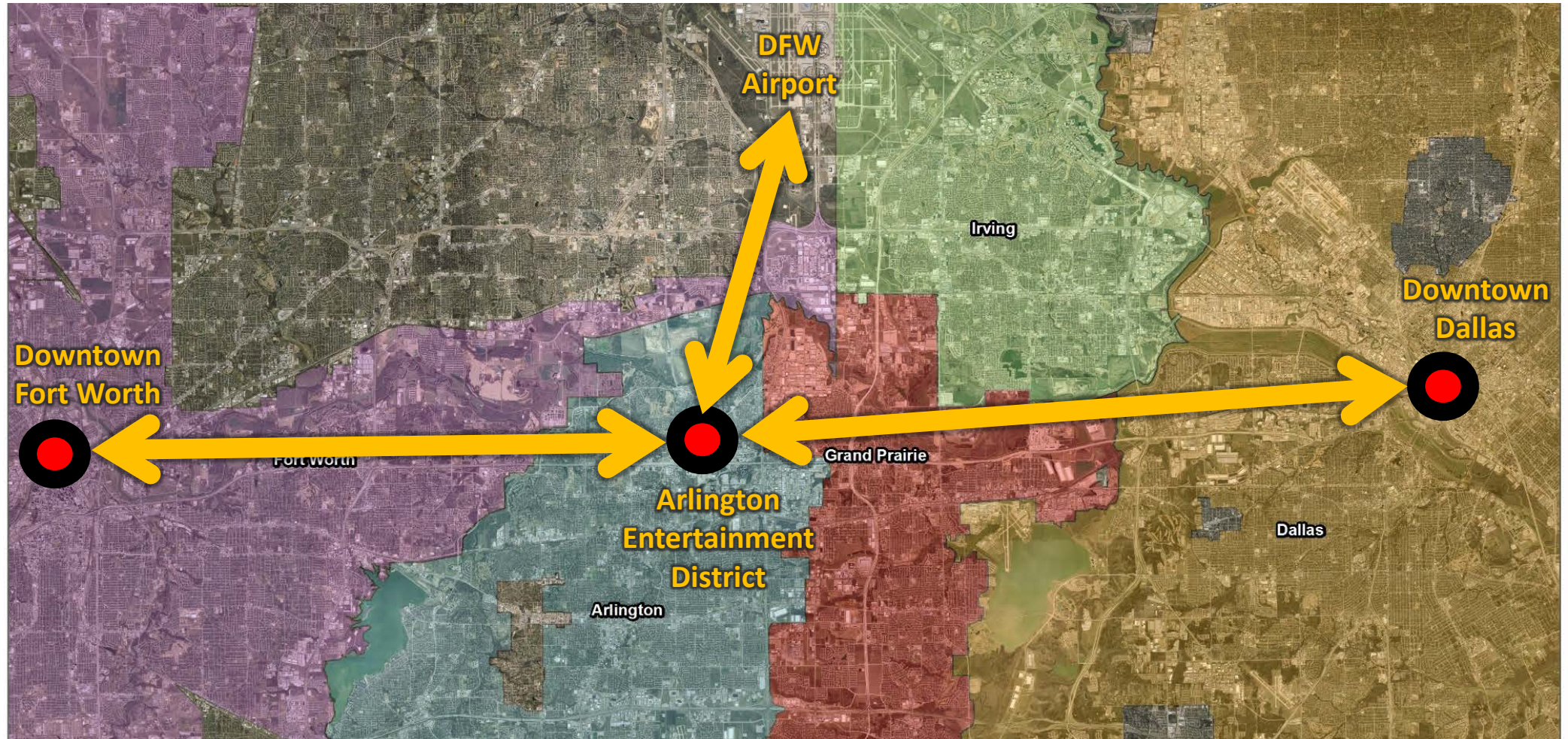
- At-Grade
- Grade Separated
- Stations



Corridor-specific alignment, design, and operational characteristics for the intercity passenger, regional passenger, and freight rail systems will be determined through capacity evaluation and ongoing project development. Refined rail forecasts are necessary to determine technology and alignment in future rail corridors.



# Fort Worth – Arlington – Dallas



# Scope of Work

## Phase 1 – Alternative Development

Summer 2020

- Public & Agency Involvement Includes a technology forum
- Alternative Development Includes alignments & technology
- Alternative Screening
- Conceptual Engineering

## Phase 2 – Engineering & Environmental

Summer 2022

- NEPA Documentation & Record of Decision
- Preliminary Engineering
- Financial & Project Management Plans

# Fort Worth – Laredo

Generally parallels IH 35

Connecting:

Fort Worth

Waco

Temple

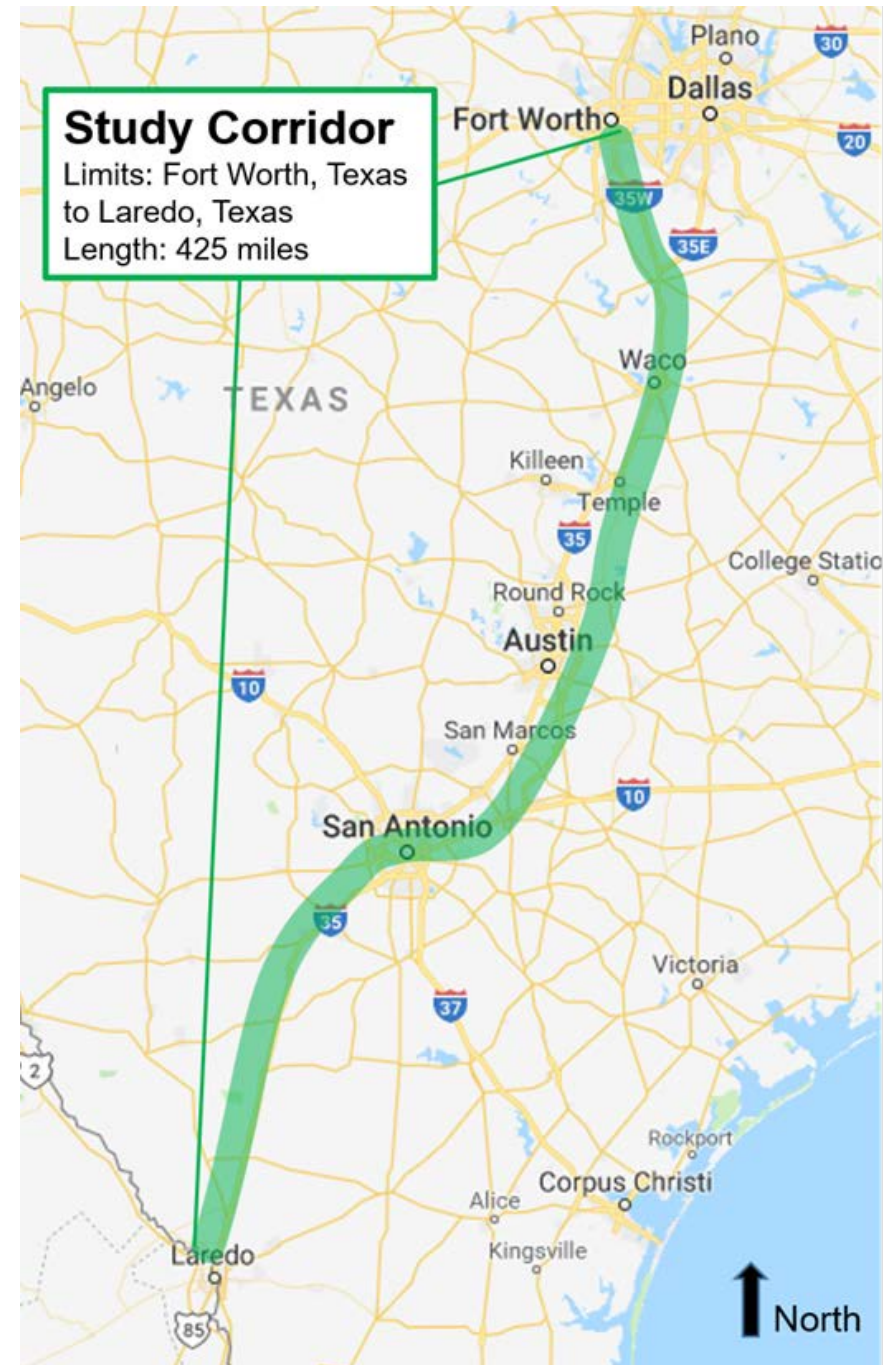
Killeen

Austin

San Antonio

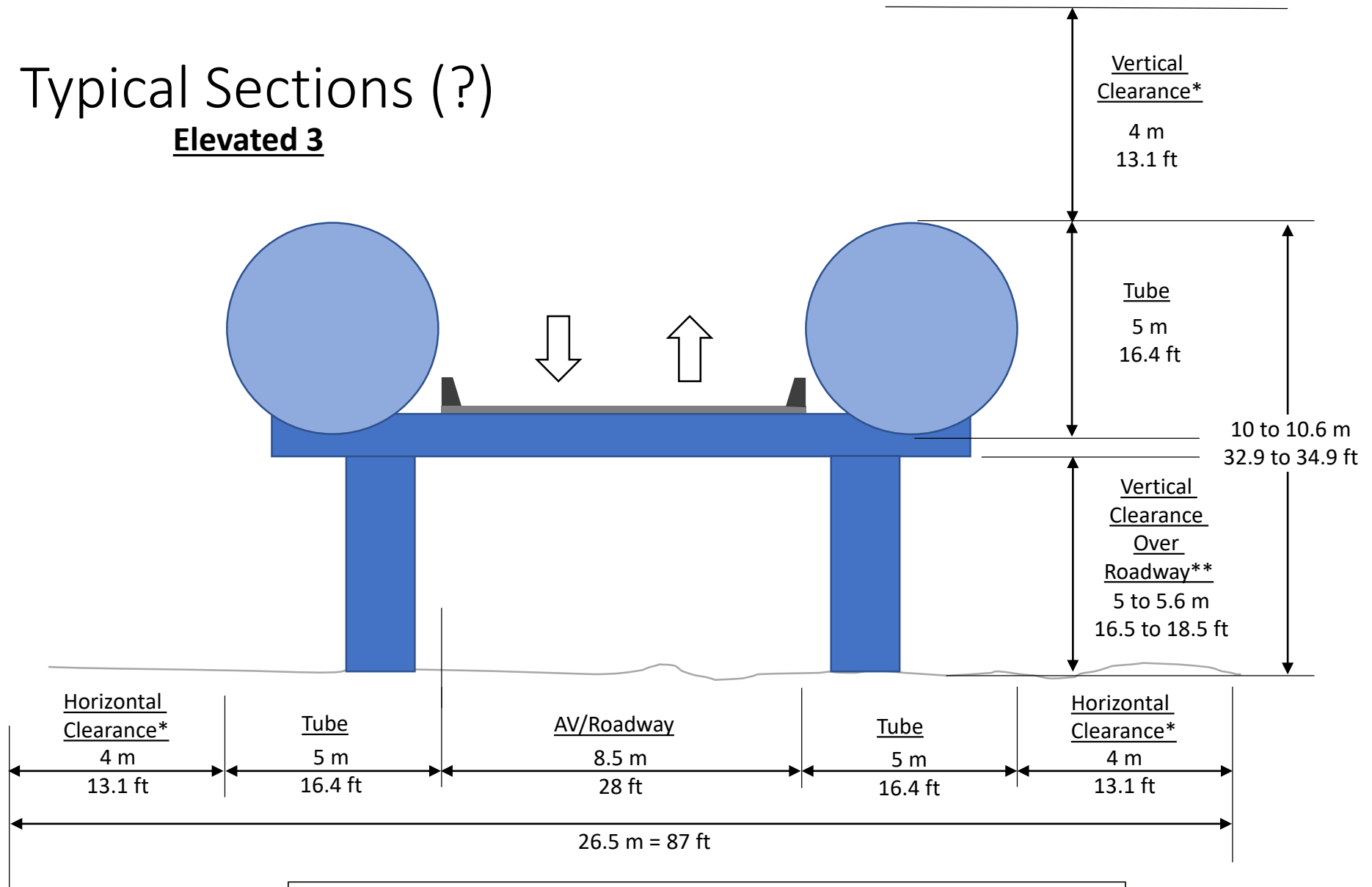
Laredo\*

\*In Laredo, the end point/station location will be studied as to not preclude extending an alignment to Monterrey, Mexico



# Typical Sections (?)

## Elevated 3



\* Horizontal and vertical clearances allow for the area needed to construct, operate and maintain the guideway and supporting facilities.  
 \*\* Minimum vertical clearance over roadways is 5 m or 16.5 ft. Vertical clearance of 5.6 m or 18 ft would be required over interstate highways and other roadway corridors designated for freight. Vertical clearance over passenger or freight railroads would be 7 m or 23 ft.