



# Air North Texas 2017-2018 Partner Awards

Regional Transportation Council  
November 8, 2018

# Air North Texas Partners



American Lung Association – DFW Region  
 Brookhaven College  
 City of Anna  
 City of Arlington  
 City of Bedford  
 City of Cedar Hill  
 City of Dallas  
 City of Denton  
 City of Fort Worth  
 City of Garland  
 City of Grand Prairie  
 City of Grapevine  
 City of Kennedale  
 City of Mesquite  
 City of North Richland Hills  
 City of Plano  
 City of Richardson  
 Cedar Valley College  
 DART  
 DCTA  
 DFW Airport

Health and Wellness Alliance for Children  
 Hood County  
 Insta-brite Technologies  
 NCTCOG  
 The North Texas Commission  
 Dallas County  
 Parker County  
 Tarrant County  
 Trinity Metro  
 TxDOT – Dallas  
 TxDOT – Fort Worth  
 U.S. Green Building Council – North Texas Chapter  
 University of North Texas Health Science Center  
 University of Texas at Dallas  
 University of Texas at Arlington  
 UT Southwestern

# Award Categories

- Outstanding Effort Awards
  - Advertising
  - Initiative
  - Outreach
- Arlo Ambassador Award
- Air North Texas Partner of the Year

# Outstanding Advertising



# Outstanding Initiative



# Outstanding Outreach



# Arlo Ambassador



# Partner of the Year

Grand Prairie  
— T E X A S —



# Contacts

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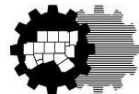
[www.airnorthtexas.org](http://www.airnorthtexas.org)

# Performance Measures Target Setting

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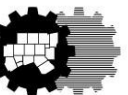
**Regional Transportation Council**

November 8, 2018



# Federal Measures Target Status

Complete	Rulemaking	Number of Measures	MPO Target Setting Deadline	Reporting Period	Reporting Schedule
✓	Transit Asset Management	4	12/27/2017	Annually	Annually
✓	Safety Performance	5	2/27/2018	Annually	Annually
	Pavement and Bridge	6	11/15/2018	Four-Year Performance Periods	Biennially
	System Performance	6	11/15/2018	Four-Year Performance Periods	Biennially



# Proposed Policy Action Statements

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General agreement with TxDOT on statewide targets

Special emphasis on:

- Improving off-system arterial pavement conditions

- Replacing bridges in poor condition

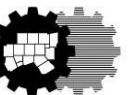
Continue to:

- Improve reliability on freeways/tollways

- Reduce congestion on freeways/tollways

- Increase non-automobile modeshares

- Improve air quality



# Federal Performance Measures

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## Pavement and Bridge

Interstate Pavement – Good

Interstate Pavement – Poor

Non-Interstate Pavement – Good

Non-Interstate Pavement – Poor

Bridge Condition – Good

Bridge Condition – Poor

## System Performance

Interstate Reliability

Non-Interstate NHS Reliability

Truck Travel Time Reliability Index

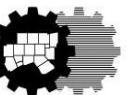
Peak Hour Excessive Delay

Percent Non-SOV Mode Share

On-Road Mobile Source Emissions Reduction

Nitrogen Oxide (NO<sub>x</sub>)

Volatile Organic Compound (VOC)



# Proposed RTC Position on Pavement Condition Targets

**Good**

NCTCOG Supports TxDOT Statewide 2022 “Good Pavement Condition” Targets for National Highway System Facilities

**Poor**

NCTCOG Supports TxDOT Statewide 2022 “Poor Pavement Condition” Targets for National Highway System Facilities

Collaboration with TxDOT to Plan and Program Projects Contributing Toward Accomplishment of Pavement Goals will also Include the Following Action: NCTCOG will Work with Local Governments to Focus on Improvement of National Highway System Off-System Arterials in Poor Condition



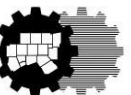
# Roadway Pavement Condition Targets

Roadway Categories	Total Network	2018 Baseline	2022 Target
<b>STATE of TEXAS</b>			
<b>Good Pavement Condition</b>			
Interstate National Highway System (NHS)	19.19%	66.80%	66.40%
Non-Interstate National Highway System (NHS)	80.81%	54.40%	52.30%
<b>Poor Pavement Condition</b>			
Interstate National Highway System (NHS)	19.19%	0.30%	0.30%
Non-Interstate National Highway System (NHS)	80.81%	13.80%	14.30%
<b>North Central Texas Region</b>			
Interstates (on-system) <sup>1</sup>	25.90% <sup>2</sup>	5.81% <sup>3</sup>	7.99% <sup>3</sup>
Non-Interstate Freeway (on-system) <sup>1</sup>	13.40% <sup>2</sup>	6.76% <sup>3</sup>	8.93% <sup>3</sup>
Toll Roads (off-system)	6.70% <sup>2</sup>	8.43% <sup>3</sup>	9.32% <sup>3</sup>
Arterials (on-system) <sup>1</sup>	30.30% <sup>2</sup>	18.52% <sup>3</sup>	18.39% <sup>3</sup>
Arterials (off-system)	23.80% <sup>2</sup>	73.66% <sup>3</sup>	69.82% <sup>3</sup>

<sup>1</sup> On-system refers to the TxDOT System

<sup>2</sup> Mobility 2045 Plan – 2018 Baseline Network Lane-Miles

<sup>3</sup> Based on 5-year moving average



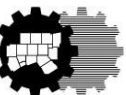
# Proposed RTC Bridge Condition Targets

NCTCOG Supports TxDOT Statewide 2022 “Good/Poor Condition” Targets for National Highway System Bridges

Collaboration with TxDOT to Plan and Program Projects Contributing Toward Accomplishment of Bridge Goals will also Include the Following Action: NCTCOG will Focus on Expedited Programming to Improve National Highway System Bridges in Poor Condition

State of Texas		
Bridges*	2018 Baseline	2022 Target
<b>Good Bridge Condition</b>		
All National Highway System Facilities	50.63%	50.42%
<b>Poor Bridge Condition</b>		
All National Highway System Facilities	0.88%	0.80%

\*Based on total deck area

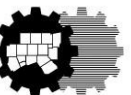




# Proposed RTC System Performance Targets

Performance Measure		Historical Trend	Baseline (2016/2017)	2020 Target	2022 Target	Target Strategy
Interstate Reliability (% Person Miles Travelled)		Improving	77.3%	78.6%	79.5%	Targets Set to Improve Over Trend
Non-Interstate NHS Reliability (% Person Miles Travelled)		Worsening	71.1%	N/A	71.1%	
Truck Travel Time Reliability Index		Improving	1.74	1.71	1.66	
Peak Hour Excessive Delay (Hours per Capita)*		Worsening	15.5	N/A	15.0 <del>16.0</del>	
Percent Non-SOV Mode Share (% Commuter Trips)*		Improving	19.5%	19.9%	20.2%	
On-Road Mobile Source Emissions Reductions (Cumulative)	NOx (kg/day)	Improving	2,410.80	2,892.96	5,062.68	
	VOC (kg/day)	Improving	499.72	599.67	1,079.40	

\*Regional Transportation Council and TxDOT must agree on a single regional target concurrence from TxDOT agreeing to NCTCOG proposed targets has been received



# Recommended RTC Action\*

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Agree to Support TxDOT Statewide Targets for National Highway System Pavement and Bridge Conditions with Focus on:

The Improvement of Regional National Highway System Off-System Arterial Pavements  
National Highway System Bridges in Poor Condition

Adopt Regional Targets as Presented for:

Interstate Reliability

Non-Interstate Reliability

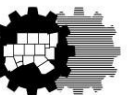
Truck Travel Time Reliability Index

Peak Hour Excessive Delay

Percent Non-SOV Mode Share

Emissions Reductions

**\*STTC Recommended RTC Adoption of Proposed Targets**



# 2018 Public Participation Plan Update

**Regional Transportation Council**

**November 8, 2018**

**Amanda Wilson, AICP**



North Central Texas  
Council of Governments

# Public Participation Plan

**Fulfills basic public involvement requirements established by federal law**

**Defines public involvement procedures and comment periods**

**Outlines communications and outreach strategies for informing the public**

**Describes measures for diversity and inclusiveness**

**Provides basis for evaluating outreach efforts**

**Last updated in February 2015**

# Legislative Basis

**Public participation requirements are outlined in laws and legislation regarding:**

Transportation funding

Civil rights

Environmental justice

Limited English proficiency

# Ways We Involve People

**Public meetings, online comment opportunities**

**Website, email and social media**

**Publications, newsletters**

**Community events**

**Speaking opportunities**

**Media relations**

**Advertising**



**@NCTCOGtrans**

# Proposed Revisions

- Revised stakeholder list to reflect new federal requirements**
- Increased weight given to local comments**
- Updated Language Assistance Plan with new demographics**
- Refined evaluation measures and reporting**
- More efficient public input opportunities**
- Increased emphasis on livestreaming**
- Outreach to and through community groups**

# Public Comment Policy Update Summary

## **What's Staying the Same**

Length of comment periods

Meetings recorded and posted online

## **What's Changing**

No requirement for multiple public meetings

Meetings livestreamed whenever possible

Recommendations for UPWP modifications posted online  
without video summary



# Schedule

**August 9, 2018**

**RTC Information**

**August 24, 2018**

**STTC Information**

**September 10, 11, 19, 2018**

**Public meetings**

**September 10, 2018**

**Public comment period begins**

**October 11, 2018**

**RTC Information**

**October 24, 2018**

**Public comment period ends**

**October 26, 2018**

**STTC Action**

**November 8, 2018**

**RTC Action**

# Requested Action

**Approve the revised Public Participation Plan and its attachments**

# Contacts

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# METROPOLITAN PLANNING ORGANIZATION (MPO) MILESTONE POLICY UPDATE

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Regional Transportation Council

November 8, 2018

# 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.

# Project Monitoring Efforts

- Projects included on the 2016 Milestone List have been monitored to ensure timely implementation has occurred.
  - Reminder letters were sent to all agencies with a project on the list in December 2016
  - Staff highlighted the projects and their deadlines during 2019-2022 Transportation Improvement Program (TIP) Development process
  - Letters have been sent to agencies with projects that are being proposed for cancellation notifying them of the plan of action

# Outcomes to Date

- Of the 57 projects on the initial list:
  - 4 projects were canceled initially based on input from the implementing agencies
  - 2 projects were canceled as a result of being on the Federal Highway Administration (FHWA) 10-Year Preliminary Engineering Audit list
  - 1 project was canceled and the funding moved to another project
  - 37 projects have let for construction on time or have been completed
  - 5 projects did not meet their deadline and are slated for cancellation based on the policy
  - 7 projects must let before the end of FY 2019 (September 30, 2019)
  - 1 project does not have an established deadline

# Projects Proposed for Cancellation

Agency	Facility/Limits	Scope	Funding to be Removed
Dallas County	Camp Wisdom Road from Carrier Parkway to FM 1382	Widen 2 to 4 lane divided	\$7,200,000
TxDOT Dallas	Northwest Highway (Spur 244) at Jupiter	Traffic signal and pedestrian improvements	\$359,331
TxDOT Dallas	Northwest Highway (Spur 244) at Plano Road	Traffic signal and pedestrian improvements	\$522,500
TxDOT Dallas	SH 78 from IH 635 to Forest Lane	Traffic signals and intersection improvements	\$3,400,000
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	\$17,867,303
<b>TOTAL:</b>			<b>\$29,349,134</b>



# Issues to Consider

- All agencies reset and established their own schedule in 2016 (i.e., neither staff or the RTC set their schedule)
- The RTC approved an additional one year extension to the revised schedule
- Some projects were canceled after implementing agency staff determined that the projects were no longer warranted
- Projects were selected in 1992 (26 years ago), 1999 (19 years ago), and 2005 (13 years ago).
- 37 other projects were prioritized by the implementing agencies and successfully met the deadline
- Agencies with non-compliant projects still think their projects are needed
- Each of the five project schedules have been delayed further in the last 12 months
- STTC has proposed a solution for the remaining 5 projects

# STTC Recommendation

- Extend deadline for all 5 projects to December 2019 for roadway construction letting
- Report back to the Committee with each project's status in April 2019
- If projects miss the December 2019 deadline, there will be no further action or discussion. The projects will be canceled.

# Action Requested

- Options:
  - Option 1 – RTC approval of removing funding from projects that did not meet the deadline,
  - Option 2 – RTC approval of extending the deadline to December 2019 for projects that did not meet the previous deadline (Surface Transportation Technical Committee's recommendation)
- Direct staff to continue monitoring projects that must let by the end of FY 2019
- Direct staff to amend the TIP to incorporate RTC action
- Direct staff to initiate a new round of 10-Year Milestone projects in 2019

# Questions?

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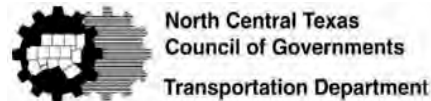
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**2017-2018 CMAQ/STBG\* FUNDING:  
STRATEGIC PARTNERSHIPS ROUND 3,  
INTERSECTION IMPROVEMENTS, AND  
METROPOLITAN TRANSPORTATION PLAN  
(MTP) POLICY BUNDLE TRANSPORTATION  
DEVELOPMENT CREDIT (TDC) PROGRAM**

Regional Transportation Council

November 8, 2018

\* Congestion Mitigation and Air Quality Improvement Program/  
Surface Transportation Block Grant



# CMAQ/STBG FUNDING PROGRAMS

## STATUS

## PROGRAM

- Federal/Local Funding Exchanges
- Automated Vehicle Program
  - Round 1    Round 2
- Strategic Partnerships**
  - Round 1    Round 2    Round 3/Intersection Improvements/MTP Policy Bundle
- Planning and Other Studies
- 10-Year Plan/Proposition 1 Adjustments
- Sustainable Development Phase 4: Turnback Program, Context Sensitive, Transit Oriented Development (TOD) Projects
- Transit Program
- Assessment Policy Programs/Projects
- Local Bond Program Partnerships
- Safety, Innovative Construction, and Emergency Projects
- Management & Operations (M&O), NCTCOG-Implemented, & Regional/Air Quality Programs

= Project Selection Completed    = Program Partially Completed    = Pending STTC/RTC Approval

# STRATEGIC PARTNERSHIPS ROUND 3

- Purpose
  - Coordinate and develop partnerships with local agencies and the Texas Department of Transportation (TxDOT) to help fund high-priority projects, leverage non-Regional Transportation Council (RTC) funds, and advance project development
- Eligibility criteria considered:
  - Local partners are contributing more than the standard 20% match (overmatching the federal funds or paying for design, right-of-way, etc.),
  - Project has multiple non-RTC stakeholders/contributors, or
  - Project is of strategic importance within/to the region

# INTERSECTION IMPROVEMENTS

- Purpose
  - Coordinate with local agencies and TxDOT to identify intersections that need safety and traffic flow improvements
- Selection criteria considered:
  - Project addresses a safety issue (history of vehicle crashes)
  - Air quality benefits
  - Cost effectiveness
  - Current volumes
  - Level of service



# MTP POLICY BUNDLE TDC PROGRAM

- Purpose
  - Provide agencies with an opportunity to use MTP Policy Bundle TDCs on federally eligible local projects
- Eligibility criteria considered:
  - New project
  - Project must be eligible to receive federal funds under Title 23 (Highway Program) or Title 49 (Transit Program) of United States Code
- Selection criteria considered (more details can be found in the Council mail out):
  - Current Volumes
  - Air Quality benefits the project yields
  - Cost effectiveness
  - Are additional lanes warranted?
  - Level of Service
  - Project addresses a safety issue (history of vehicle crashes)

# PROJECT REVIEW PROCESS

- Projects were divided into project types and evaluated against each other.
- Project types:
  - Roadways
  - Intersections
  - Bicycle/Pedestrian
  - Complete Streets/Context-Sensitive Design
  - Intelligent Transportation Systems (ITS)/Traffic Signals
  - Strategic Partnerships

# PROPOSED FUNDING TARGETS

PROJECT CATEGORY	PROPOSED TARGET <sup>1</sup>
Roadways	\$50,000,000
Intersections	\$15,000,000
Bicycle/Pedestrian	\$20,000,000
Complete Streets	\$35,000,000
Strategic Partnerships	\$50,000,000
ITS/Traffic Signals	\$1,000,000
<b>TOTAL</b>	<b>\$171,000,000<sup>2</sup></b>

1: Federal amounts only

2: With these targets, there is still \$191M of CMAQ and \$84M of STBG funds remaining to be programmed in FY 2019-2023

# EAST/WEST FUNDING DISTRIBUTION

<b>CATEGORY</b>	<b>WESTERN SUBREGION</b>	<b>EASTERN SUBREGION</b>
<b>CMAQ</b>	<b>\$21,371,318</b>	<b>\$48,816,914</b>
<b>Funding Share</b>	<b>30.5%</b>	<b>69.5%</b>

<b>CATEGORY</b>	<b>WESTERN SUBREGION</b>	<b>EASTERN SUBREGION</b>
<b>STBG</b>	<b>\$40,264,359</b>	<b>\$60,745,800</b>
<b>Funding Share</b>	<b>39.9%</b>	<b>60.1%</b>

Staff also proposes to fund a project in North Richland Hills with Regional Toll Revenue (RTR) funds in order to help balance the overall East/West Equity; Staff proposes to move Dallas County RTR funds to Tarrant County

# SUMMARY OF PROPOSED FUNDING RECOMMENDATION

PROJECT TYPE	PROPOSED CMAQ FUNDS	PROPOSED STBG FUNDS	PROPOSED RTR FUNDS	PROPOSED NON-RTC FUNDING	TDCs	TOTAL
Roadways	\$4,805,700	\$47,675,700	\$0	\$13,031,490	4,295,000	\$65,512,890
Intersections	\$16,038,464	\$0	\$0	\$4,373,566	104,200	\$20,412,030
Bicycle/Pedestrian	\$18,495,725	\$0	\$0	\$0	3,699,145	\$18,495,725
Complete Streets	\$23,438,155	\$12,633,659	\$0	\$100,000	7,214,363	\$36,171,814
Strategic Partnerships	\$6,190,188	\$40,700,800	\$5,804,590	\$31,428,875	0	\$84,124,453
ITS/Traffic Signals	\$1,220,000	\$0	\$0	\$0	244,000	\$1,220,000
<b>TOTAL</b>	<b>\$70,188,232</b>	<b>\$101,010,159</b>	<b>\$5,804,590</b>	<b>\$48,933,931</b>	<b>15,556,708</b>	<b>\$225,936,912</b>

Blue text indicates changes since the October 2018 STTC meeting

# APPROVAL TIMELINE

MEETING/TASK	DATE
STTC Information	October 26, 2018
<b>RTC Information</b>	<b>November 8, 2018</b>
Public Meetings	November 2018
STTC Action	December 7, 2018
RTC Action	December 13, 2018

Please send any questions or comments to staff early in the timeline, so they can be resolved in a timely manner.

# QUESTIONS?

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# Legislative Update and RTC Legislation and Finance Subcommittee Update

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REGIONAL TRANSPORTATION COUNCIL | NOVEMBER 8, 2018

AMANDA WILSON





# Federal Outlook

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**Impact of Midterm Election**

**FY 19 Appropriations**

**Potential for Infrastructure Bill**

**FAST Act Reauthorization – Hearings Starting 2019**

**Highway Trust Fund Fix Needed**

# Federal Update

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## **FY 2019 Appropriations**

Continuing Resolution to extend FY 2018 appropriations levels through Dec. 7

House and Senate working to resolve differences on “minibus” bill for Transportation and HUD

## **Budget Outlook**

Congress must pass “minibus” bill or another CR to extend appropriations into the new Congress

# Federal Update

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## **Shuster Infrastructure Draft Bill**

Discussion draft released July 23, 2018

Sets the conversation for new infrastructure bill expected next year

Four principles:

**Reform the Highway Trust Fund:** 15-person commission to present proposal to Congress to keep fund solvent

**Strengthen investment:** 15-cent gas tax increase, BUILD (\$3B/year 2019-2023) and STBG authorizations (\$4.5B/year 2019-2021)

**Utilize innovative financing:** National VMT pilot program

**Accelerate project delivery:** Environmental review within 2 years

# Draft Federal Legislative Principles

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Review Electronic Item 8.2

Provide comments, questions, suggestions to staff by  
November 30

Anticipated RTC approval in December

# Texas Legislature Outlook

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**Impact of Election – Many New Members**

**New Speaker of the House**

**Interim Reports – Expected November/December**

# Texas Legislature Update

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## **Senate Transportation Committee (Aug. 27)**

Effect of UTP funding allocations and project selection decisions on accomplishing goals in the statewide transportation plan

Penalty practices employed by toll authorities around the state

## **Legislative Budget Board (Aug. 30)**

TERP: Current balance is \$1.6B. TCEQ requesting \$77.4M per year for FY 2020-2021 to maintain current levels. Revenue streams will expire when FY 2019 ends.

LIRAP: No request

## **Senate Natural Resources Committee (Sept. 5)**

TERP revenues and appropriations – no consensus on next steps

# Draft Texas Legislative Program

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Review Electronic Item 8.1

Provide comments, questions, suggestions to staff by  
November 30

Anticipated RTC approval in December

# Questions and Comments

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# 511DFW and EcoTrafiX

Regional Transportation Council

Natalie Bettger  
November 8, 2018



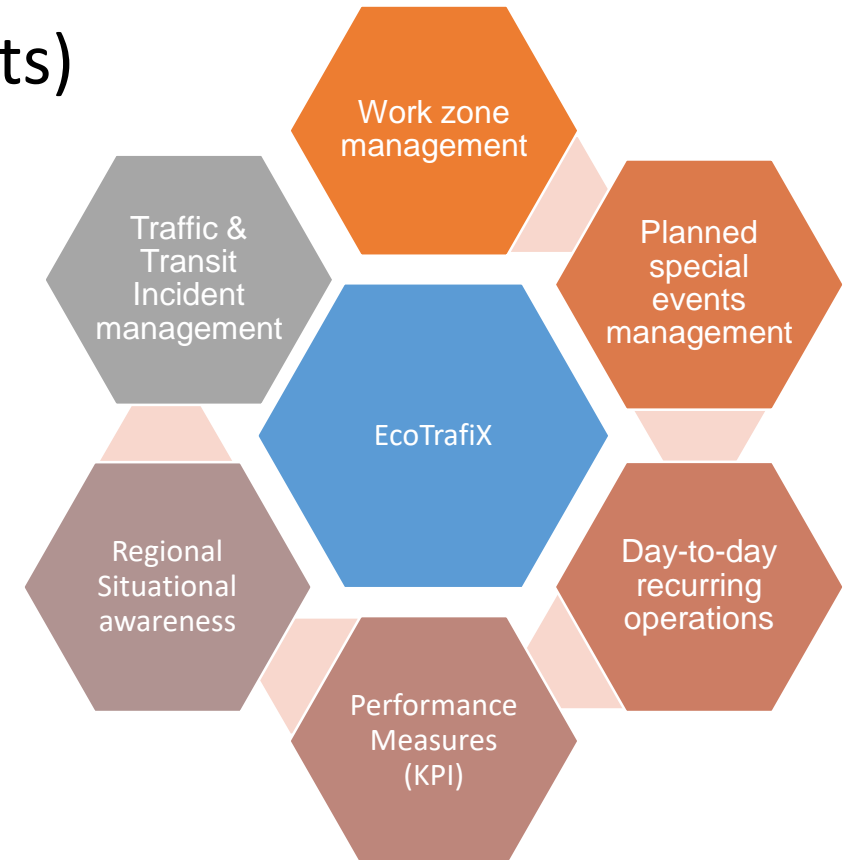
North Central Texas  
Council of Governments

# 511DFW and EcoTrafIX

- Regional Traveler Information System
- Integrate Data from Various Sources
  - TxDOT (Speeds, DMS, CCTV images, Incidents)
  - Cities
  - Waze (bidirectional, filtered, unfiltered)
  - HERE Speed, Travel Time, Trip Planner
  - Others
- Transit Data and Trip Planner

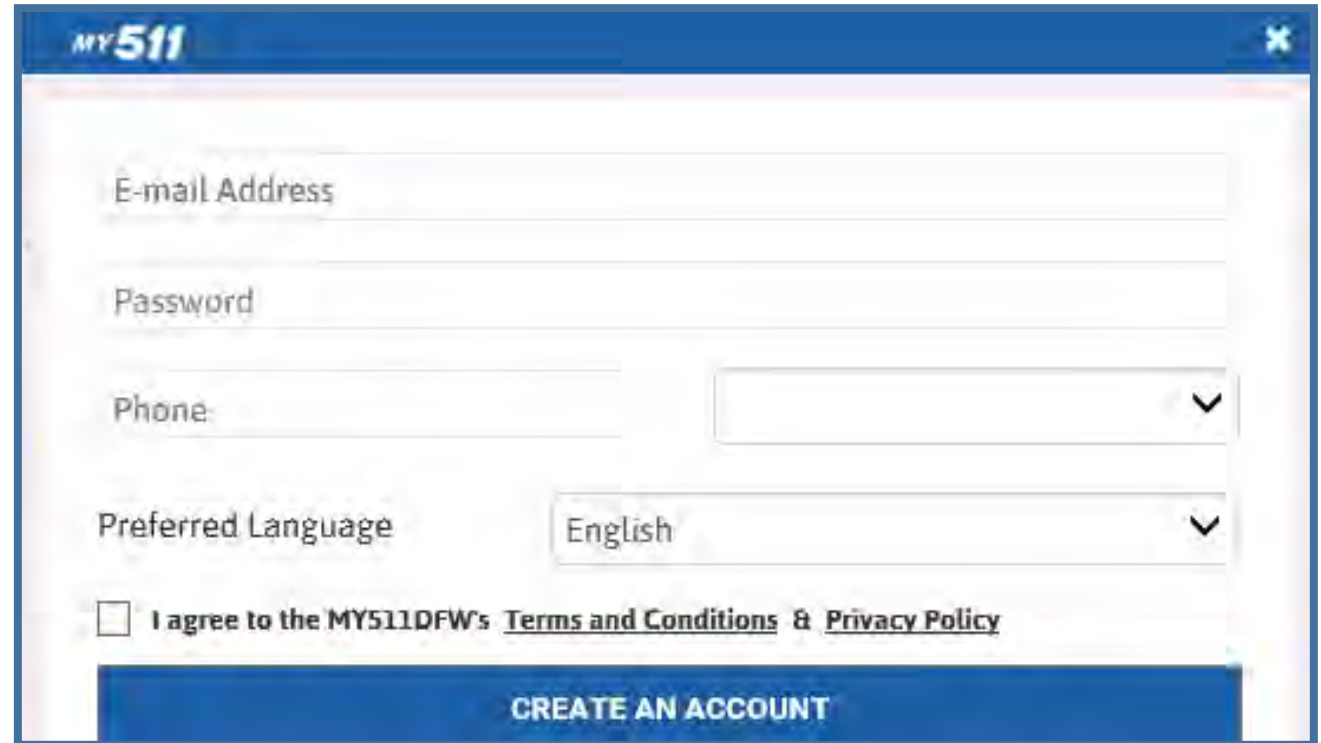


*BEGIN YOUR TRIP HERE.*



# 511DFW and EcoTrafiX Components

- Website: 511DFW.org
- **My511 - Personalized Website**
- Dial 511 - Interactive Voice Response
- Mobile App
- All of the Above in Spanish
- Information Exchange Network
- Data Archive
- Performance Measures
- Open API



The image shows a screenshot of the My511 website's account creation page. The page has a blue header with the 'my511' logo. Below the header, there are several input fields: 'E-mail Address', 'Password', 'Phone', and 'Preferred Language'. The 'Preferred Language' dropdown menu is currently set to 'English'. At the bottom of the form, there is a checkbox for 'I agree to the MY511DFW's [Terms and Conditions](#) & [Privacy Policy](#)'. A large blue button labeled 'CREATE AN ACCOUNT' is positioned at the bottom right of the form.

# 511DFW Freeway and Arterial Speed Display

**511DFW**  
BEGIN YOUR TRIP HERE.  
(877) 511-3255

**The new 511DFW has launched!**

**Speeds**

- Light traffic
- Moderate traffic
- Heavy traffic
- No data available

**Layers**

- Traffic**
  - INCIDENTS
  - CONSTRUCTION
  - SPECIAL EVENTS
  - WAZE EVENTS
  - TRAFFIC SPEEDS
- HOV/TOLL LANES
- CAMERAS
- MESSAGE SIGNS
- PARKING
- Transit**
  - TRANSIT INCIDENTS
  - TRANSIT CONSTRUCTION
  - RAIL
  - BUS STOP
- Weather**
  - WEATHER ALERT
  - WEATHER FORECAST
  - RADAR OVERLAY
- Other**
  - EV CHARGING STATIONS
- Map Options**
  - Refresh Rate: 5 mins
  - Save Map | Display Map | Clear Map

Map | Satellite

Google  
CENTRAL ARLINGTON

Jack Cooper Transport

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# 511DFW Incidents Display

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**Layers**

- Traffic
  - INCIDENTS**
  - CONSTRUCTION
  - SPECIAL EVENTS
  - WAZE EVENTS
  - TRAFFIC SPEEDS
  - HOV/TOLL LANES
  - CAMERAS
  - MESSAGE SIGNS
  - PARKING
- Transit
  - TRANSIT INCIDENTS
  - TRANSIT CONSTRUCTION
  - RAIL
  - BUS STOP
- Weather
  - WEATHER ALERT
  - WEATHER FORECAST
  - RADAR OVERLAY
- Other
  - EV CHARGING STATIONS
- Map Options
  - Refresh Rate: 5 mins
  - Save Map | Display Map | Clear Map

Map Satellite Google

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# 511DFW Waze Events Display

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- Traffic
  - INCIDENTS
  - CONSTRUCTION
  - SPECIAL EVENTS
  - WAZE EVENTS**
  - TRAFFIC SPEEDS
- Transit
  - HOV/TOLL LANES
  - CAMERAS
  - MESSAGE SIGNS
  - PARKING
  - TRANSIT INCIDENTS
  - TRANSIT CONSTRUCTION
  - RAIL
  - BUS STOP
- Weather
  - WEATHER ALERT
  - WEATHER FORECAST
  - RADAR OVERLAY
- Other
  - EV CHARGING STATIONS
- Map Options
  - Refresh Rate: 5 mins
  - Save Map | Display Map | Clear Map

Map Satellite Google

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# 511DFW Transit Rail Display

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Layers

Traffic

- INCIDENTS
- CONSTRUCTION
- SPECIAL EVENTS
- WAZE EVENTS
- TRAFFIC SPEEDS
- HOV/TOLL LANES
- CAMERAS
- MESSAGE SIGNS
- PARKING

Transit

- TRANSIT INCIDENTS
- TRANSIT CONSTRUCTION



RAIL



BUS STOP

Weather

- WEATHER ALERT
- WEATHER FORECAST
- RADAR OVERLAY

Other

- EV CHARGING STATIONS

Map Options

Refresh Rate 5 mins

Save Map | Display Map | Clear Map

# 511DFW Transit Bus Stops Display

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**Select Bus Routes**

ORGANIZATION: DART

- Route 2 HATCHER
- Route 205 ADDISON TC EXPRESS
- Route 206 GLENN HEIGHTS EXPRESS
- Route 208 NORTHWEST PLANO PARK & RIDE
- Route 21 RED BIRD TRANSIT CENTER
- Route 210 JACK HATCHELL EXPRESS
- Route 211 LEGACY/TOYOTA
- Route 24 MOCK STA/McMILLAN
- Route 26 HATCHER STATION
- Route 27 HINES/PARKLAND RAIL STATION

Showing 1 to 148 of 148 entries

OK

**Layers**

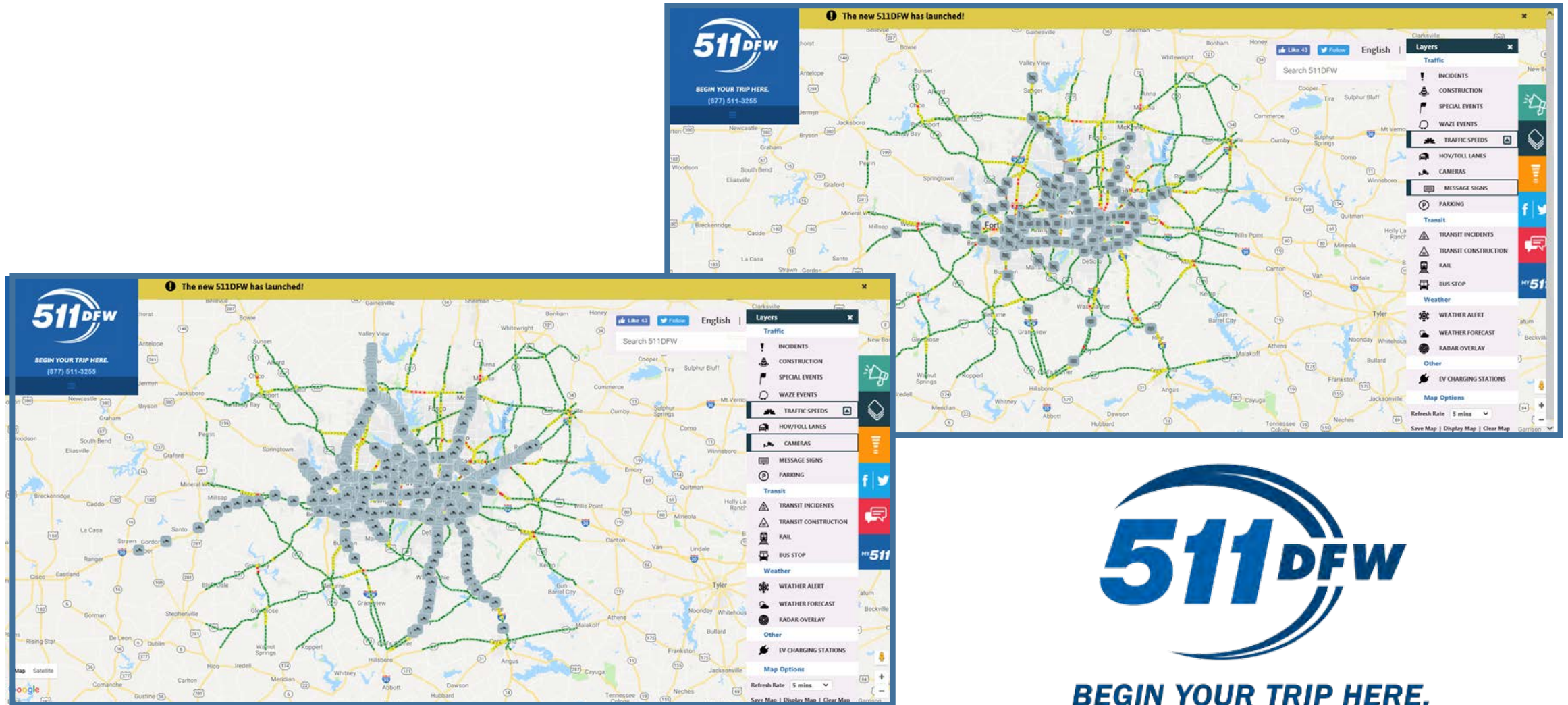
- Traffic**
  - INCIDENTS
  - CONSTRUCTION
  - SPECIAL EVENTS
  - WAZE EVENTS
  - TRAFFIC SPEEDS
  - HOV/TOLL LANES
  - CAMERAS
  - MESSAGE SIGNS
  - PARKING
- Transit**
  - TRANSIT INCIDENTS
  - TRANSIT CONSTRUCTION
  - RAIL
  - BUS STOP**
- Weather**
  - WEATHER ALERT
  - WEATHER FORECAST
  - RADAR OVERLAY
- Other**
  - EV CHARGING STATIONS
- Map Options**
  - Refresh Rate: 5 mins
  - Save Map | Display Map | Clear Map

Map Satellite

Google



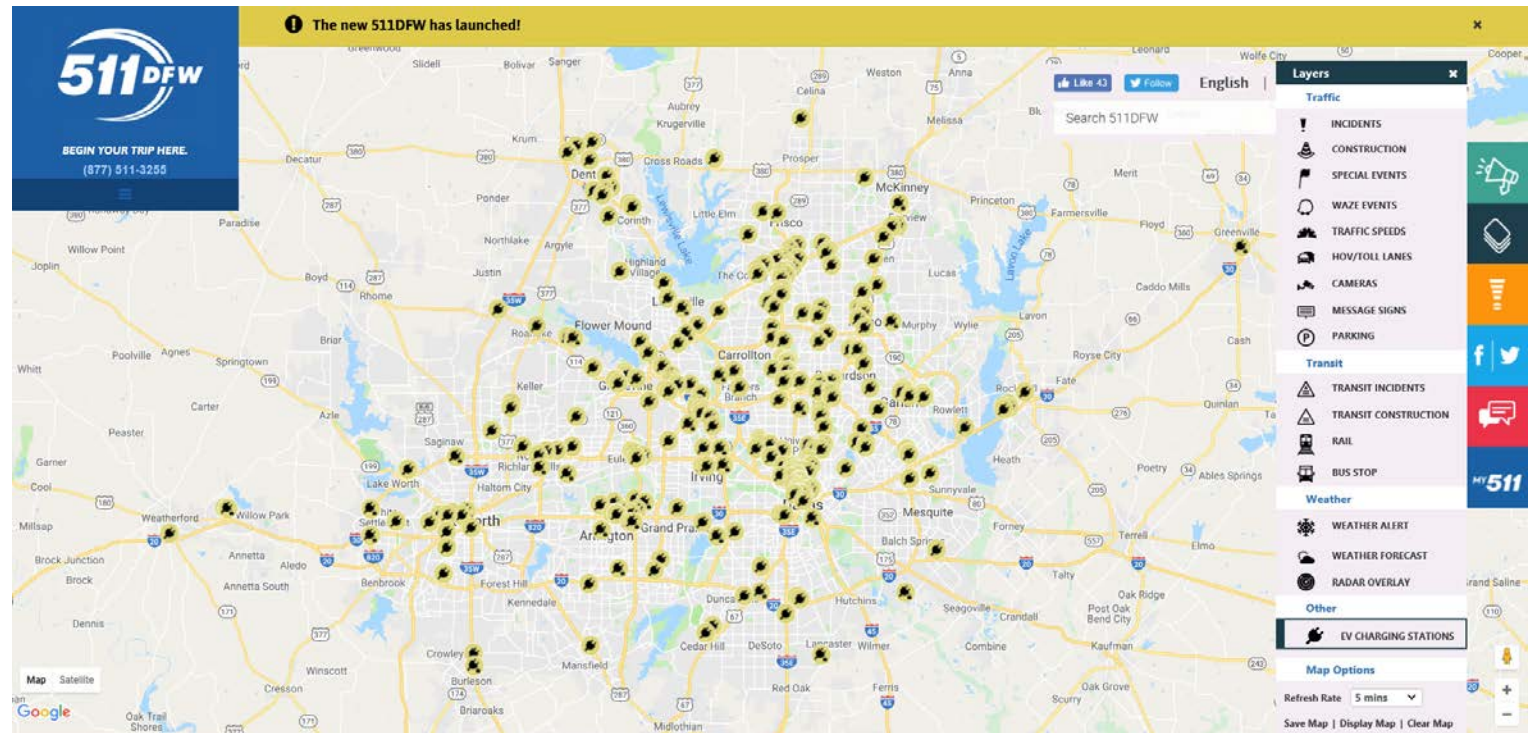
# Regional Closed Circuit Television and Dynamic Message Signs Display



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# 511DFW and EcoTrafiX Components Recent and Future Enhancements

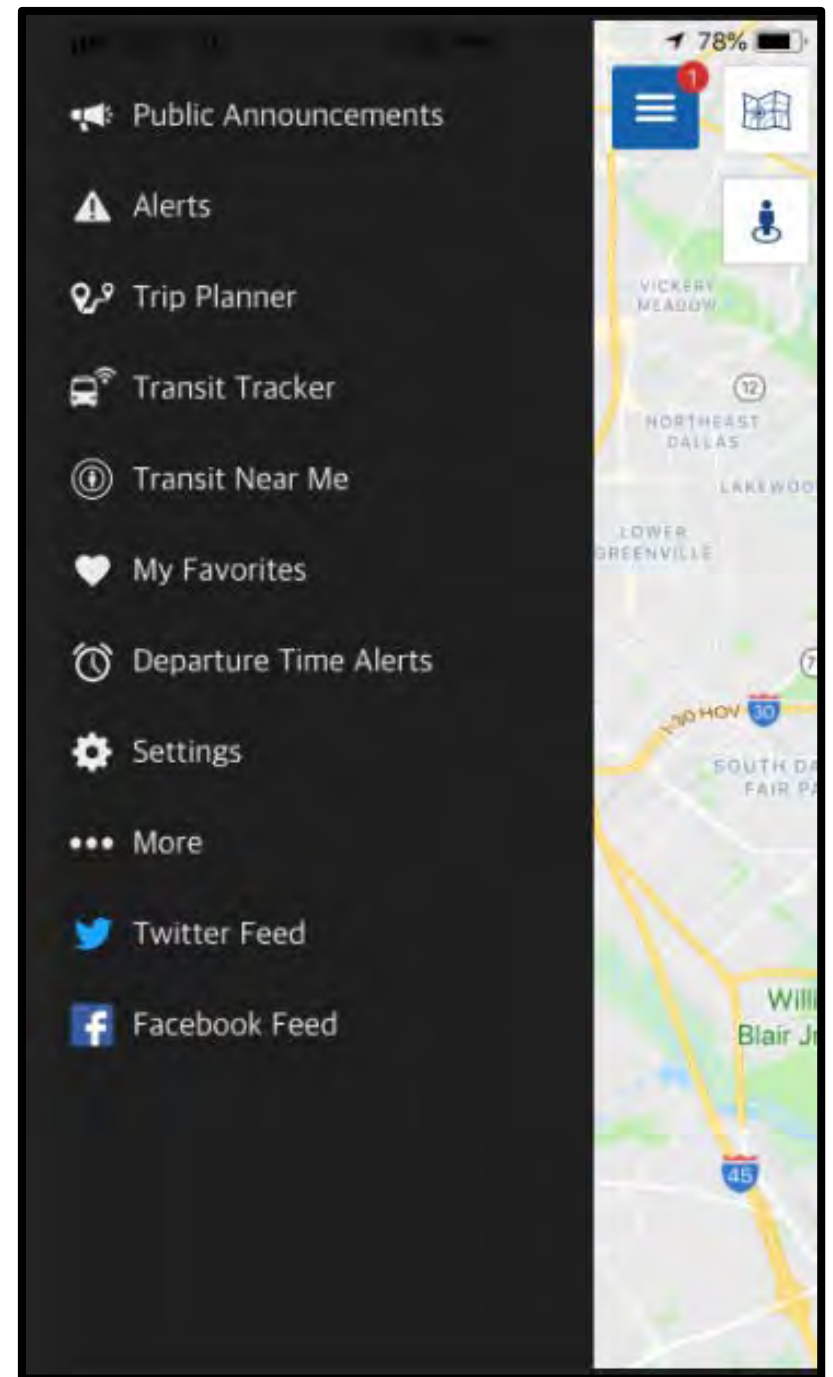
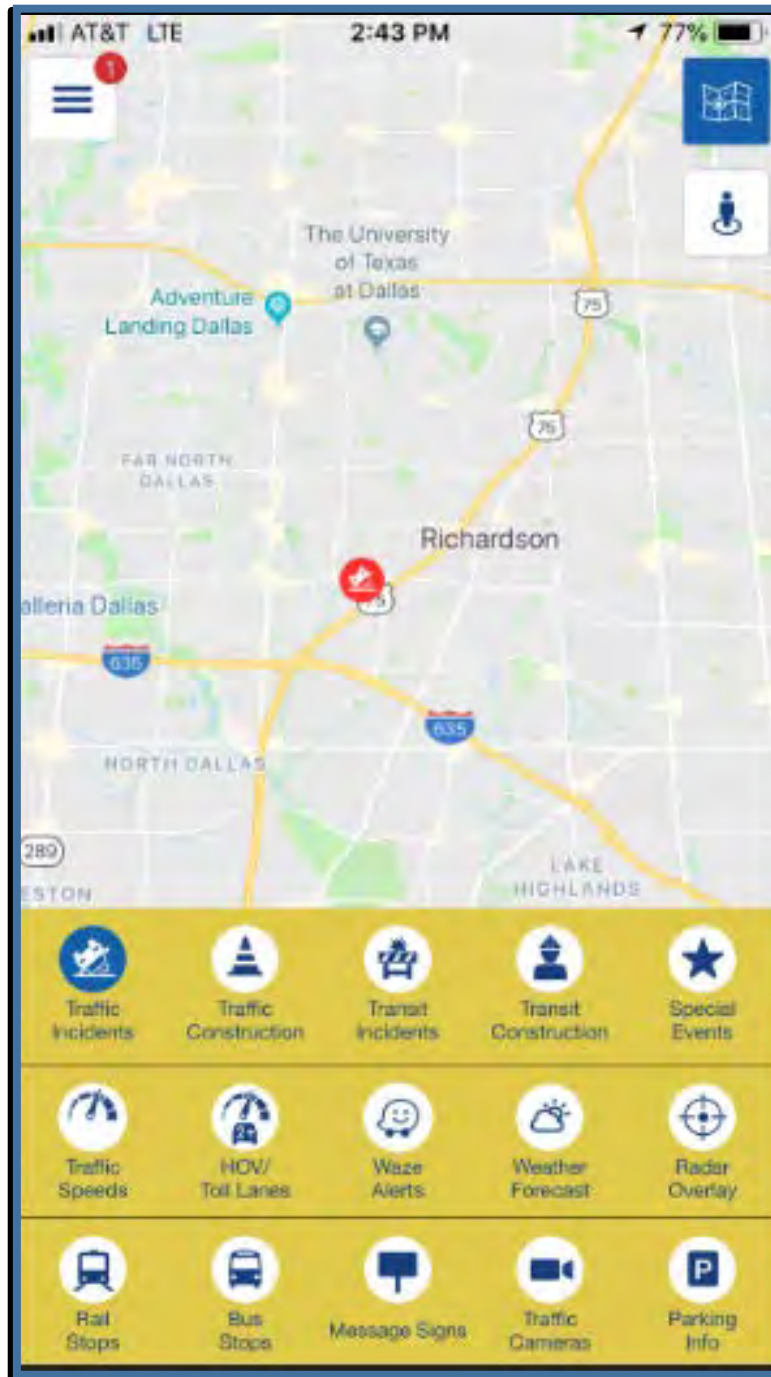
- EV Charging Stations
- Bike/Ped Routes
- Freeway Motorist Assistance
- Future:
  - Traffic Signal Control Module
  - Flood data
  - Parking
  - Wrong Way Driving
  - Marketing and Outreach



# 511DFW App Display



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# Questions or comments?

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# TECHNOLOGY LANE TO REPLACE NON-WORKING US 75 HOV (Non-Legislative Items)

- Option 1A: Pay \$15 Million minus Depreciated Items
- Option 1B: Pay \$15 Million in Transportation's Development Credits
- Option 2A: Terminate HOV Project Due to Design Life
- Option 2B: Terminate Project: 3 Design Exceptions
- Option 3: Equity of Tolling with 3 Nearby Tollroads: Policy Sensitivity
- Option 4: Federal Requirements with State Restrictions
- Option 5: Differential Price through HOV Reward

# TECHNOLOGY LANE TO REPLACE NON-WORKING US 75 HOV (Non-Legislative Items)

- Option 6: Develop a Permit for Drive Alone Users
- Option 7: Remove Pylons and Continue Unenforceable HOV
- Option 8: Section 166 (introduction of price) Developed after HOV Award
- Option 9: Price SOV Minimum Amount / Hours of Operation / Direction
- New Option 10: Construct with Non-Federal Funds
- New Option 11: Introduce New Guaranteed Transit From Plano Along LBJ Managed Lane
- New Option 12: Federally Required Congestion Management Process is in conflict with Section 166.

# DALLAS/ARLINGTON/FORT WORTH (HSR): STRENGTHEN PARTNERSHIP

	<b>Phase 1</b> <b><u>Conceptual Engineering</u></b>	<b>Phase 2</b> <b><u>Environmental Document</u></b>
<b>Procurement of Phase 1 and 2:</b>	NCTCOG	Included in First Procurement
<b>Lead:</b>	RTC with HSR Commission	Federal Railroad Administration
<b>Purpose:</b>	Reduce Options	Environmental Impact Study
<b>Consultants:</b>	Yes, Helping Us	Yes, All Consultants
<b>Public Outreach:</b>	NCTCOG	Consultants
<b>Options:</b>	NCTCOG	Consultants
<b>When:</b>	<1 Year	< 2 Years
<b>Start:</b>	Can Start Before Consultants Selected	Consultants Help in Phase 1 and Conduct Phase 2