

DRAFT

**RESOLUTION APPROVING REGIONAL TARGETS FOR PAVEMENT AND BRIDGE
CONDITION AND SYSTEM PERFORMANCE MEASURES
(R18-04)**

WHEREAS, the North Central Texas Council of Governments (NCTCOG) is designated as the Metropolitan Planning Organization (MPO) for the Dallas-Fort Worth Metropolitan Area by the Governor of Texas in accordance with federal law; and,

WHEREAS, the Regional Transportation Council (RTC), comprised primarily of local elected officials, is the regional transportation policy body associated with the North Central Texas Council of Governments, and has been and continues to be the regional forum for cooperative decisions on transportation; and,

WHEREAS, under Title 23 Code of Federal Regulations (CFR) Part 490, States and MPOs must coordinate to develop targets for federally required performance measures; and,

WHEREAS, on June 21, 2018, the Texas Department of Transportation (TxDOT) established targets for pavement and bridge condition (i.e., PM2) and system performance measures (i.e., PM3) and provided notice to MPOs across the State, which triggered a 180-day deadline for MPOs to establish their own targets or support TxDOT targets; and,

WHEREAS, the RTC has considered the establishment of targets for pavement and bridge condition and system performance measures for the North Central Texas region.

NOW, THEREFORE, BE IT HEREBY RESOLVED THAT:

- Section 1.** The Regional Transportation Council adopts performance targets for the federally required PM2 (pavement and bridge) and PM3 (system reliability, excessive delay, and air quality) performance measures as reflected in Attachment 1, including the policy statements regarding the pavement and bridges in poor condition.
- Section 2.** The Regional Transportation Council directs staff to transmit the approved targets in a format requested by the Texas Department of Transportation as reflected in Attachment 2.
- Section 3.** This resolution shall be in effect immediately upon its adoption.

Gary Fickes, Chair
Regional Transportation Council
Commissioner, Tarrant County

I hereby certify that this resolution was adopted by the Regional Transportation Council of the North Central Texas Council of Governments for the Dallas-Fort Worth Metropolitan Area on November 8, 2018.

Roger Harmon, Secretary
Regional Transportation Council
County Judge, Johnson County

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

¹ On-system refers to the TxDOT System

² Mobility 2045 Plan – 2018 Baseline Network Lane-Miles

³ Based on 5-year moving average



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
Good Bridge Condition		
All National Highway System Facilities	50.63%	50.42%
Poor Bridge Condition		
All National Highway System Facilities	0.88%	0.80%

*Based on total deck area



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	
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



TxDOT Established (PM2) Pavement and Bridge Performance Measure Targets

Federal Performance Measure	Baseline	2020 Target	2022 Target
Pavement on IH			
% in “good” condition	66.80%	N/A	66.4%
% in “poor” condition	0.30%	N/A	0.30%
Pavement on non-IH NHS			
% in “good” condition	54.40%	N/A	52.30%
% in “poor” condition	13.8%	N/A	14.3%
NHS Bridge Deck Condition			
% in “good” condition	50.63%	N/A	50.42%
% in “poor” condition	0.88%	N/A	0.80%

DFW MPO Established (PM3) System Performance Measure Targets

Federal Performance Measure	Baseline	2020 Target	2022 Target
NHS Travel Time Reliability			
IH Level of Travel Time Reliability	77.3%	78.6%	79.5%
Non-IH Level of Travel Time Reliability	71.1%	N/A	71.1%
Truck Travel Time Reliability	1.74	1.71	1.66
Annual Hours of Peak Hour Excessive Delay per capita			
Dallas-Fort Worth*	15.5	N/A	15.0
% Non-SOV Travel			
Dallas-Fort Worth*	19.5%	19.9%	20.2%
Total Emission Reduction			
NOX	2,410.80	2,892.96	6,509.16
VOC	499.72	599.67	1,399.23

*Regional Transportation Council (MPO) and TxDOT agreed upon regional target

MOBILITY 2045 (continued from Page 1)

Mobility 2045 proposes \$135.4 billion to be provided to the transportation system through 2045 to cover a recommended list of projects and programs. The projects include strategies geared toward infrastructure maintenance, more efficient management and operations, as well as growth, development and land use totaling nearly \$50

billion. The plan will allocate \$33.3 billion toward enhancing transit options and \$52 billion to roadway improvements to establish a more efficient travel experience.

The next step for Mobility 2045 is transportation conformity and making sure the plan can be carried out without negatively

impacting air quality. With 10 counties in nonattainment for ozone pollution, it is important to monitor all planning, building and performance details of Mobility 2045 to ensure it is improving the overall quality of life for all DFW residents.

With Mobility 2045 being passed by the RTC, North Texas will

soon witness the implementation of this plan. Once a transportation conformity determination is made, North Texas will be able to benefit from the innovative Mobility 2045.

For more information, visit www.nctcog.org/mobility2045.

LOYL BUSSELL (continued from Page 2)

members in all different areas parts of the region," he said. Regardless of whether they represent the most heavily populated metro areas or rural parts of North Texas, members work together to solve regional issues, he said.

One thing that helps the RTC continue to meet the needs of the

growing region is its embrace of creativity.

"Anytime we can bring innovation into the mix and make things more efficient, more streamlined, just come up with new ideas it will typically help us with the funding issues," he said.

After working his way up from the bottom and developing relationships along the way, Busell feels a responsibility to continue to cultivate a family atmosphere.

"Just over the years, developing those friendships, developing those working relationships, it

makes me even more motivated to ensure the department is a place where one can work and feel a part of it, feel like they're accomplishing something that's of benefit to the community, to the taxpayer."

ALTERNATIVE FUEL (continued from Page 3)

seeking feedback from residents, businesses and governments to help determine additional highways that could be designated alternative fuel corridors.

Assistance is also being sought from the public on where stations can be added near a highway in an effort to make the region more

prepared for alternative fuels.

Nationally, 58 corridors in 44 states and Washington, D.C., have been nominated in the first two rounds of designations. More than 100,000 miles of the National Highway System are part of the network.

The Federal Highway Administration plans to provide opportunities yearly for expansion of the system with the ultimate goal of a well-marked national network that allows owners of these vehicles to travel across the country with the confidence that they will be able to fuel or power their cars and trucks.

Round 3 of corridor nominations was issued on October 5, 2018. All nominations for this latest round are due by January 31, 2019. For more information on the alternative fuel corridors, visit www.fhwa.dot.gov/environment/alternative_fuel_corridors.

BIKE SURVEY (continued from Page 3)

Opinion Survey was people's desire for more dedicated bike facilities, separated from vehicular traffic such as an off-street path or on-street dedicated bike lanes separated from traffic by wide buffers or physical barriers. Only a small percentage of respondents indicated they are comfortable bicycling with traffic on streets that do not have bike lanes separating them from vehicle traffic lanes. Currently, the region boasts over 700 miles of off-street paths and 400 miles of on-street bikeways, with more funded or planned for the coming years.

A few additional key findings from the survey: When asked

about the availability of bicycle facilities and if there are too many, about the right amount, or too few bicycle facilities in their community, residents by significant majorities indicated there are not enough bicycle facilities. The percentage of residents rating as "too few" bicycle facilities are as follows:

- 62 percent – too few off-street bicycle paths and trails
- 63 percent – too few bicycle-friendly streets
- 73 percent – too few on-street dedicated bike lanes
- 75 percent – too few places to park bicycles such as bike racks and storage locations

The results of the opinion survey help guide local and regional investment in bicycle infrastructure, and NCTCOG works actively with local communities for such improvements through various transportation funding programs.

In June 2017, for example, the Regional Transportation Council awarded \$34.2 million to construct shared-use paths, on-street bike lanes and safe routes to school projects as part of the Transportation Alternatives Set-Aside Call for Projects. Included were facilities that will improve access to schools, large employment centers and transit throughout the region. Progress is

also being made on a 53-mile network of connected trails that would do just that for people living and working in Fort Worth, Arlington, Grand Prairie, Irving and Dallas.

Ultimately, knowing what people think about bicycling, whether it is their level of comfort or how likely they are to even ride a bike, will help NCTCOG prioritize funding and use its resources most effectively. Planners will use the data from this report and other initiatives to improve mobility options so residents can pedal even more places than today.

FALL 2018

mobility matters

mobilitymatters@nctcog.org

Semiannual Newsletter of the Metropolitan Planning Organization for the Dallas-Fort Worth Metropolitan Area

\$135.4 Billion Mobility 2045 Approved by RTC

Mobility 2045 was passed by the Regional Transportation Council in June. The Metropolitan Transportation Plan for North Central Texas is a long-range, innovative blueprint that addresses improvements necessary to meet the needs of one of the nation's most rapidly growing regions through 2045.

While Mobility 2045 will build on current roadway, transit and active transportation options, it will also integrate technological initiatives related to high-speed rail, modern people movers and automated vehicles to modernize the way in which current and future DFW residents travel. Given an estimated population growth of 4 million people by 2045, this multimodal approach is needed to improve the reliability of people's daily commutes. The plan also will provide residents with numerous transportation options as part of a comprehensive transportation strategy.

More MOBILITY 2045 on back page



Hyperloop One photo

The Regional Transportation Council agreed to consider hyperloop technology as a potential way to link North Texans with the planned high-speed rail lines to Houston and South Texas. Hyperloop relies on magnetic levitation to move people and goods through a low-pressure tube at high speeds.

North Texas Exploring Hyperloop Technology as New Option to Move People, Goods

The Regional Transportation Council wants to know more about hyperloop technology and how it could be used to revolutionize travel. After Virgin Hyperloop One named Texas one of 10 areas to be considered for hyperloop technology, a delegation of RTC members visited the company's test facility in North Las Vegas, walking away impressed with its potential to revolutionize travel.

Seeing first-hand the test site, which displays the sleek cylinder tunnel on top of cement pillars and stretches approximately five football fields, intensified the interest of the RTC members in this revolutionary transportation choice. Experts and engineers were in attendance during the visit to answer any questions about the system in terms of its functionality, unique attributes and the impact it could potentially have in Dallas-Fort Worth.

Hyperloop is powered by magnetic levitation, removing air pressure within the cylindrical tube, and leaving zero resistance against the moving pod. The pod floats just above the rails inside the tube and makes the travel experience similar to flying on a plane, minus the turbulence. With the absence of air pressure, the pod has reached up to 240 mph during testing.

The RTC has also agreed to consider both hyperloop and high-speed rail technology as part of the environmental analysis of the Fort Worth-to-Dallas corridor that would connect to Texas Central Partners' Dallas-to-Houston HSR project.

In addition to moving people rapidly, the hyperloop technology is looking to improve the transportation of goods and products. There is another potential use of this system. The Fort-Worth-to-Laredo corridor could include a goods-movement component to a potential hyperloop line.

The geography of North Texas makes it an attractive potential site to test this technology. DFW provides two metropolitan areas located on a straight and flat plain just over 30 miles apart. Because of the expected population of 11.2 million people by 2045, both Virgin Hyperloop One and the RTC see this as an opportunity to provide a more efficient and environmentally friendly transportation method to a population that is open to new ideas in transportation.

Continued tests and research will take place to try to make hyperloop a reality in North Texas. A Request for Proposals for a consultant team to complete a Tier 2 Environmental Impact Statement (EIS) is to be issued by the RTC to consider hyperloop technology and other high-speed rail options. In addition, the RTC has provided funding commitments to conduct a conceptual feasibility test over the high-speed technology connecting the region to Laredo.

With a need to provide North Texas residents with more travel options, while positively impacting air quality, the RTC sees a bright future for hyperloop technology in the Dallas-Fort Worth area.



Hyperloop One photo

Members of the RTC visited the Hyperloop One test facility in the Nevada desert to get an up-close look at the technology to be considered in North Texas. High-speed rail and hyperloop will both be evaluated as potential transportation options for the future.

For a list of upcoming Transportation Department events, visit www.nctcog.org/trans/calendar.asp



Semiannual Newsletter of the Metropolitan Planning Organization for the Dallas-Fort Worth Metropolitan Area

This publication can be made available in alternate formats upon request

North Central Texas Council of Governments
P.O. Box 5888, Arlington, Texas 76005-5888
PHONE (817) 695-9240 (metro)
FAX (817) 640-3028
Email mobilitymatters@nctcog.org
WEB www.nctcog.org

The contents of this report reflect the views of the authors who are responsible for the opinions, findings, and conclusions presented herein. The contents do not necessarily reflect the views or policies of the Federal Highway Administration, the Federal Transit Administration, or the Texas Department of Transportation. This document was prepared in cooperation with the Texas Department of Transportation and the US Department of Transportation, Federal Highway Administration, and Federal Transit Administration. Mobility Matters is a newsletter on the transportation planning activities and air quality programs of the North Central Texas Council of Governments and the Regional Transportation Council – together serving as the Metropolitan Planning Organization for the Dallas-Fort Worth Metropolitan Area since 1974.



Editor, Brian Wilson Layout and Design, Kristy Libotte Keener, Graphic Design Coordinator
Please email comments, suggestions or newsletter topic ideas to mobilitymatters@nctcog.org.
If you would like to change your name or address we have on file, please email us at mobilitymatters@nctcog.org.
Published by North Central Texas Council of Governments

A Message From Michael Morris, P.E.
Director of Transportation

A Bright Future Awaits the North Texas Transportation System

I was honored to take part in a special event recently – the celebration of the opening of improvements to Interstate Highway 35W. The latest megaproject to be completed in our bustling region, this \$1.6 billion improvement ushers in more than just new lanes. It offers drivers a choice. They can travel the general-purpose lanes of the 10-mile stretch for no charge, or they can hop on a TEXpress Lanes for a more reliable commute. This project opened over the summer, the result of terrific partnership between the Texas Department of Transportation and North Tarrant Express Mobility Partners.

Our rapidly growing – and changing – region requires a transportation system built to keep pace with the transformation that is occurring around us. Improved access on existing freeways is part of the solution. The expanded frontage roads, rebuilt general-purpose lanes and TEXpress Lanes provide more reliability to an

area of the region that desperately needed relief.

The people who call Dallas-Fort Worth home, whether they just moved here or have lived in the area for decades, need more than better roads. To be a region of choice, we must also offer better options across the board, including transit and last-mile service. We are doing that, as evidenced by several projects that have opened, will soon be completed or are in the planning stages. Let's review a few.

- **TEX Rail** – The \$1 billion connection between Fort Worth and Dallas Fort Worth International Airport will open by the end of the year. This will give travelers who live or work in the west direct access to the airport via rail as well as a transfer to the A/B Station. Dallas Area Rapid Transit is planning service along the Cotton Belt corridor connecting the airport to Plano.
- **Vehicle Automation** – The

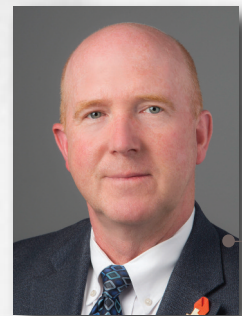
North Central Texas Council of Governments has embraced the idea of automated and connected vehicles and is working with area cities and other partners on project implementation. Arlington started with the low-speed Milo shuttles in the Entertainment District; Frisco has begun a pilot to ferry businesspeople from their offices to shops and restaurants near the Dallas Cowboys' practice facility. And the same Drive.ai vehicles that hit the streets of Frisco this summer will soon be helping people get around Arlington.

- **LBJ East** – The RTC and State transportation leaders worked hard to craft a plan to expand Interstate Highway 635 East in Dallas, Garland and Mesquite that includes increased capacity while enhancing safety for the thousands of motorists who travel the corridor daily.
- **High-Speed Rail/Hyperloop** – The future looks bright.

The RTC has opened its arms to high-speed technology as a possibility linking Fort Worth and Arlington to the future high-speed rail line in Dallas. As we embark on the environmental assessment of this corridor, we are open to futuristic tubular travel. Eventually, hyperloop or high-speed rail technology could reach the Valley, roughly paralleling IH 35 from Fort Worth to Laredo.

Each of these projects is valuable individually – to its neighborhoods, businesses and residents who use it. But when combined with the options we already have, each becomes a game-changer. And that's the way we should look at transportation projects and programs, not as corridor-specific improvements, but as components of a larger system that works together to move people and goods efficiently.

After all ... mobility matters.



Regional Transportation Council

Early Interest in Problem-Solving Leads TxDOT's Bussell to a Career in Transportation

Member Profile
Loyl Bussell, P.E., District Engineer, TxDOT Fort Worth District

Loyl Bussell remembers as a young boy being drawn to engineering. He wasn't specifically interested in transportation. That would come later. He just wanted to know more about how things worked, how pieces of a puzzle fit together.

Engineering seemed like a natural career path for Bussell, who enjoyed finding ways to solve complex problems.

When he graduated from high school, Bussell was initially drawn to petroleum engineering. But the timing wasn't right for a job in that field. It was the early 1980s, when the downturn in the oil industry was beginning, making it hard to find a job in the field.

Eventually, he turned to transportation, aided by experience in college as a "summer hand," for the Texas Department of Transportation. This allowed him to experience civil engineering and transportation first-hand. Thirty years later, he is district engineer for the Fort Worth District, which covers nine counties.

He started at the bottom, he says, helping to survey projects. Then, he moved to construction, before transitioning to the lab, where he worked with roadway materials. Then, came an opportunity to work in design.

"It gave me a real broad exposure to all aspects of the department," he said.

Bussell earned a degree in civil engineering from Texas A&M University, which gave him the chance to go to Austin as an underwater bridge inspector. He earned a master's degree in civil engineering from the University of Texas at Austin and returned to Fort Worth to work in the bridge section.

One of his favorite projects was the DFW Connector, which required a bit of a different mindset for an engineer with a structures background. He was able to make the transition to a project that required him to focus on a lot of unfamiliar areas and was proud to be able to make the transition successfully. "That gave me a whole new perspective of our business because it was one of the first design-build projects in the state,"

he said. "There were a group of us who were selected to lead that project, and that led to me becoming the director of planning and development."

One of the region's most significant current projects is the redesign of the Interstate Highway 30-State Highway 360 interchange and its cloverleaf ramps, the last vestige of the old Dallas/Fort Worth Turnpike.

"I think it's going to allow more capacity, more functionality in that area, which will help," he said of the redesign, slated to be complete in 2020.

It should help traffic flow in the Entertainment District as people around the region want to come for the Cowboys, Rangers or another attraction, he said.

Bussell has enjoyed his diversity of experiences with TxDOT.

"My career has really spanned all over the place, and it's given me some really good insight into what the department does, how we can really be a good benefit to the taxpayers, how we can benefit the community," he said. "And that's what I want to focus on."

Bussell also likes being involved with regional transportation.

Bussell was appointed to the Regional Transportation Council in May 2017, when he was named Fort Worth district engineer. Before taking the position, he had the opportunity to serve on the Surface Transportation Technical Committee, including a stint as chair.

"One of the things that I really benefited from on STTC was being a part of and observing the relationship amongst all the stakeholders in the region and seeing how it is a give and take approach across the region," he said. "Just seeing that interaction and cooperation for the benefit of the region was a huge benefit."

Although relatively new to the RTC, he has been influenced by his colleagues and their willingness to work together for the benefit of the entire region.

"I think the most impressive thing to me was the collaboration and cooperation among the RTC

More LOYL BUSSELL on back page

Building a Network of Alternative Fuel Infrastructure

As alternative fuel vehicles continue to grow in popularity, a provision in the Fixing America's Surface Transportation Act could coax even more North Texans to embrace them.

The FAST Act calls for Dallas-Fort Worth and other regions to establish alternative fuel corridors along interstates and other major highways. The goal is to provide drivers more confidence in the ranges of electric vehicles and those powered by fuels other than gasoline, such as propane, natural gas and hydrogen.

Most of the region's interstate highways, except Interstate Highways 820 and 635, have been designated Alternative Fuel Highway Corridors through the first two rounds of nominations.

In the 16-county NCTCOG region, electric vehicle charging, natural gas and propane stations have been identified along the corridors. The next step is to post signs to make it easier for people to locate them when they need to refuel or recharge.

Stations must be within five miles of the highway and publically accessible. The distance permitted between stations varies by technology. For example, fast-charging electric vehicle stations are spaced 50 miles apart. There are 36 fast-charging stations along 355 miles of EV-ready roadways in the region.

This infrastructure can provide a 60-80 mile charge in 20 minutes, much faster than the Level 2 chargers at various retail and dining spots throughout the

region. For propane, the maximum distance is 150 miles between stations; natural gas stations can be between 150 and 200 miles apart. There are no hydrogen stations in Dallas-Fort Worth.

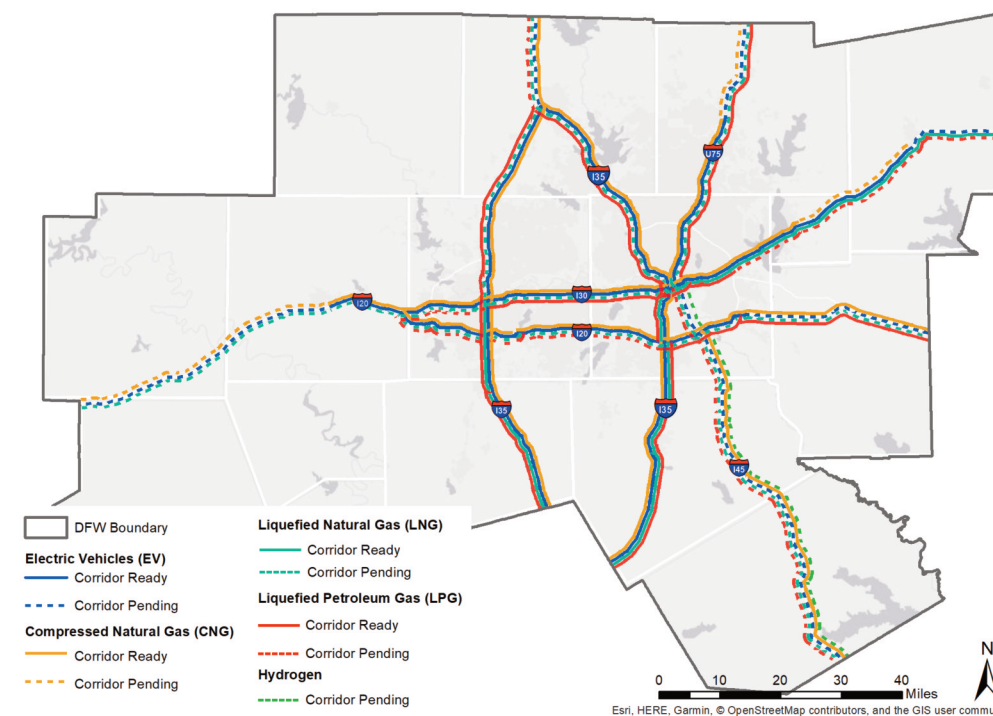
North Texas is well-equipped with stations for alternative fuel and electric vehicles. But what about traveling out of the immediate area?

This takes coordination with the Texas Department of Transportation and other regions, as well as surrounding states, to ensure the development of a seamless national network. NCTCOG staff has spoken with regions in Oklahoma and Louisiana in an effort to begin addressing the gaps between the large metropolitan areas. NCTCOG is

More ALTERNATIVE FUEL on back page

Alternative Fuel Corridors in DFW

The region is well-equipped with alternative fuel vehicles stations. Officials continue to coordinate with other regions to fill gaps and help vehicle owners travel farther with confidence.



Cyclists Most Comfortable Separated From Cars

Regional planners continue to examine ways they can provide more active transportation options that will allow residents to safely bicycle to destinations throughout North Texas. Public involvement is a key component of any transportation project. Residents need to be updated about projects that directly affect them, and they often have ideas that can positively influence projects or policies. One way to ensure their voices are heard is to go directly to them.

NCTCOG recently completed a Bicycle Opinion Survey of adults in the 12-county metropolitan area, which involved interviews with more than 1,900 adults covering a range of bicycle-oriented subjects from how often they rode and their level of comfort to bicycling barriers and proximity to bike facilities. The survey was conducted by telephone in both English and Spanish and had a 95 percent confidence interval.

The survey classified respondents into the four types of cyclists:

Strong and Fearless (2 percent): Will ride a bicycle regardless of conditions. Bicycling is an important part of their identity.

Enthusied and Confident (14 percent): Somewhat comfortable sharing the roadway with vehicles, but prefer to have bike-specific facilities.

Interested but Concerned (36 percent): Curious about riding a bicycle, but afraid to ride. They would ride more with separated facilities.

No Way No How (48 percent): Not interested in cycling or comfortable doing so, or physically unable to ride.

The results in the 12-county North Texas region, which in addition to urban areas also includes residents in rural areas and small towns, were similar to those reported in the city of Austin. For example, in the

approximately 50 percent of respondents are classified as either "enthused and confident" or "interested but concerned" bicyclists. Whereas in the City of Austin 54 percent of bicyclists have similar classification.

A majority of North Texas respondents (55 percent) indicated they would like to bicycle more, which includes residents who reported not having bicycled in the past year. Hot weather and a lack of various types of bicycle facilities were the reasons most often identified among all respondents surveyed as the top obstacles to bicycling more often. The distance to the nearest trail and the lack of bike racks or showers at the end of a bicycle trip were also identified as issues impacting the ability or desire to bicycle more often. The survey found the closer respondents lived to a bicycle facility, the more likely they were to ride a bicycle in the past year. Another important conclusion drawn from the NCTCOG Bicycle

More BIKE SURVEY on back page

Regional Transportation Council

- Gary Fickes, Chair**
Commissioner, Tarrant County
- Andy Eads, Vice Chair**
Commissioner, Denton County
- Roger Harmon, Secretary**
County Judge, Johnson County
- Tennell Alkins**
Councilmember, City of Dallas
- Richard E. Aubin**
Councilmember, City of Garland
- Sue S. Bauman**
Board Chair, Dallas Area Rapid Transit
- Mohamed "Mo" Bur, P.E.**
Dist. Engineer, TxDOT, Dallas Dist.
- Carol Bush**
County Judge, Ellis County
- Loyl C. Bussell, P.E.**
Dist. Engineer, TxDOT, Fort Worth Dist.
- Rickey D. Callahan**
Councilmember, City of Dallas
- Mike Cantrell**
Commissioner, Dallas County
- George Conley**
Commissioner, Parker County
- David L. Cook**
Mayor, City of Mansfield
- Rudy Durham**
Mayor, City of Lewisville
- Charles Emery**
Chairman, Denton County Transportation Authority
- Kevin Falconer**
Mayor, City of Carrollton
- Rob Franke, P.E.**
Mayor, City of Cedar Hill
- George Fuller**
Mayor, City of McKinney
- Rick Grady**
Councilmember, City of Plano
- Sandy Greyson**
Councilmember, City of Dallas
- Jim Griffin**
Mayor, City of Bedford
- Moji Haddad**
Board Member, North Texas Tollway Authority
- Clay Lewis Jenkins**
County Judge, Dallas County
- Ron Jensen**
Mayor, City of Grand Prairie
- Jungus Jordan**
Councilmember, City of Fort Worth
- Lee M. Kleinman**
Councilmember, City of Dallas
- David Magness**
Commissioner, Rockwall County
- Scott Mahaffey**
Chairman, Trinity Metro
- B. Adam McGough**
Councilmember, City of Dallas
- William Meadows**
Board Chair
Dallas Fort Worth International Airport
- Steve Mitchell**
Councilmember, City of Richardson
- Cary Moon**
Councilmember, City of Fort Worth
- Stan Pickett**
Mayor, City of Mesquite
- John Ryan**
Councilmember, City of Denton
- Will Sowell**
Councilmember, City of Frisco
- Stephen Terrell**
Mayor, City of Allen
- T. Oscar Trevino Jr., P.E.**
Mayor, City of North Richland Hills
- William Tsao, P.E.**
Citizen Representative, City of Dallas
- Dennis Webb**
Councilmember, City of Irving
- Duncan Webb**
Commissioner, Collin County
- B. Glen Whitley**
County Judge, Tarrant County
- Kathryn Wilemon**
Councilmember, City of Arlington
- W. Jeff Williams**
Mayor, City of Arlington
- Ann Zadeh**
Councilmember, City of Fort Worth

DALLAS DISTRICT

PROGRESS

Monthly Report on Dallas District Projects and Topics *** COLLIN CO. | DALLAS CO. | DENTON CO. | ELLIS CO. | KAUFMAN CO. | NAVARRO CO. | ROCKWALL CO.

TxDOT TEAMING UP WITH BICYCLISTS

New interactive survey intended to increase level of engagement

DALLAS — Aiming to make bicycling a more viable transportation option, TxDOT recently presented a regional plan to add nearly 4,000 miles of bicycle trails in North Texas over the next 40 years.

TxDOT's Dallas District partnered with the North Central Texas Council of Governments to hold public hearings in October to discuss transportation projects that would add more cycling trails to the state transportation system. In addition, the outreach effort includes information on programs and policies affecting bicycle use on the state system.

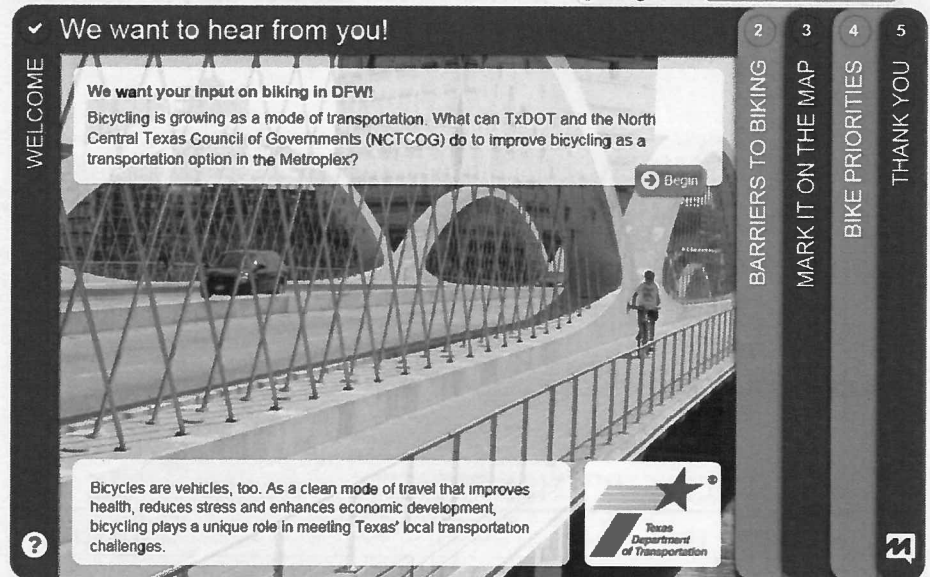
Cyclists are being asked to participate in a new interactive survey — a first for the Dallas District — about issues they face on roadways. The survey asks riders to list some of the most common barriers hampering accessibility, which could include poor pavement conditions, bad driver behavior or not enough bicycle parking.

Riders also are asked how comfortable and safe they feel on different types of trails, including shared-use pedestrian paths, designated bike lanes and wide shoulders along more rural roadways.

Michelle Raglon, TxDOT's lead public information officer in Dallas, said the bicycling community in North Texas is growing fast because it is such an inexpensive and efficient form of transportation.

"Riding a bicycle may help reduce traffic congestion and improve air quality within our community," Raglon said. "Every trans-

DFW Bike Plan



SOURCES: Texas Department of Transportation; North Central Texas Council of Governments.

TxDOT image

A screenshot image of the online survey's home page. Users can take the survey online at this address: <https://dfwbike.metroquest.com/>

portation agency, including TxDOT, has a responsibility to improve conditions and opportunities for bicycling and to integrate bicycling into our transportation systems."

As a matter of policy, TxDOT considers bicyclists in the development of all transportation projects; as part of design, construction and maintenance of state roadways and federally funded transportation projects.

The Dallas District works with local entities to identify bicycle and pedestrian connectivity projects, and to implement and

improve safety and connectivity between current and planned regional transportation networks.

TxDOT is hoping the new interactive survey will help increase communication with cyclists as the state sets its sights on a conceptual network of bike trails that would stretch more than 8,000 miles.

"The bicycle community is an engaged community," Raglon said. "We are confident they will be active participants in helping TxDOT shape the future of cycling in Texas." ■

OCTOBER 2018 LET PROJECTS (SUBJECT TO CHANGE)

CSJ NUMBER	HWY	LIMITS	TYPE OF WORK	EST. (M)	BID (M)	(%)	EST. TOTAL COSTS (M)**	CONTRACTOR	
1	0121-08-019	FM 55	SH 31 to 3rd Street in Blooming Grove	Rehabilitate existing pavement and add shoulders	\$9.51	\$7.34	-22.81	\$8.40	A. K. Gillis & Sons, Inc.
2	2964-06-025	SH 190	North of Lake Ray Hubbard to south of Miller Road	Install noise barrier on frontage roads	\$1.68	\$1.74	3.15	\$2.04	Select Striping LLC
	0047-09-036*	VA	Various roadways in Collin, Dallas, Denton, Ellis, Kaufman, Navarro, and Rockwall Counties	Seal coat, pavement markings, and markers	\$15.09	\$15.17	0.53	\$16.65	Brannan Paving Co., Ltd.
	0918-00-286*	VA	Various locations in the Dallas District	Installation of traffic signals	\$2.50	\$2.29	-8.24	\$3.42	American Lighting And Signalization, LLC
ESTIMATED OCTOBER 2018 TOTALS					\$28.79	\$26.55	-7.79	\$30.51	
DISTRICT FY ACCUMULATIVE LETTINGS					\$43.03	\$40.32	-6.28		
DALLAS DISTRICT FY LETTING VOLUME CAP					\$756.62*				

* Not mapped.

** Estimated Total Project Costs includes est. PE, ROW, E&C, Indirect Costs and Potential Change Order Costs at the time of bid.

NOVEMBER 2018 PROJECTED LETTING PROJECTS (SUBJECT TO CHANGE)

CSJ NUMBER	HWY	LIMITS	TYPE OF WORK	EST. (M)	
1	0092-13-024	BI 45-F	At Draw and Briar Creek	Replace bridge and approaches	\$10.16
ESTIMATED TOTAL				\$10.16	

*Not mapped.

COMPLETED CONSTRUCTION PROJECTS (FROM OCTOBER 1 – 31, 2018)

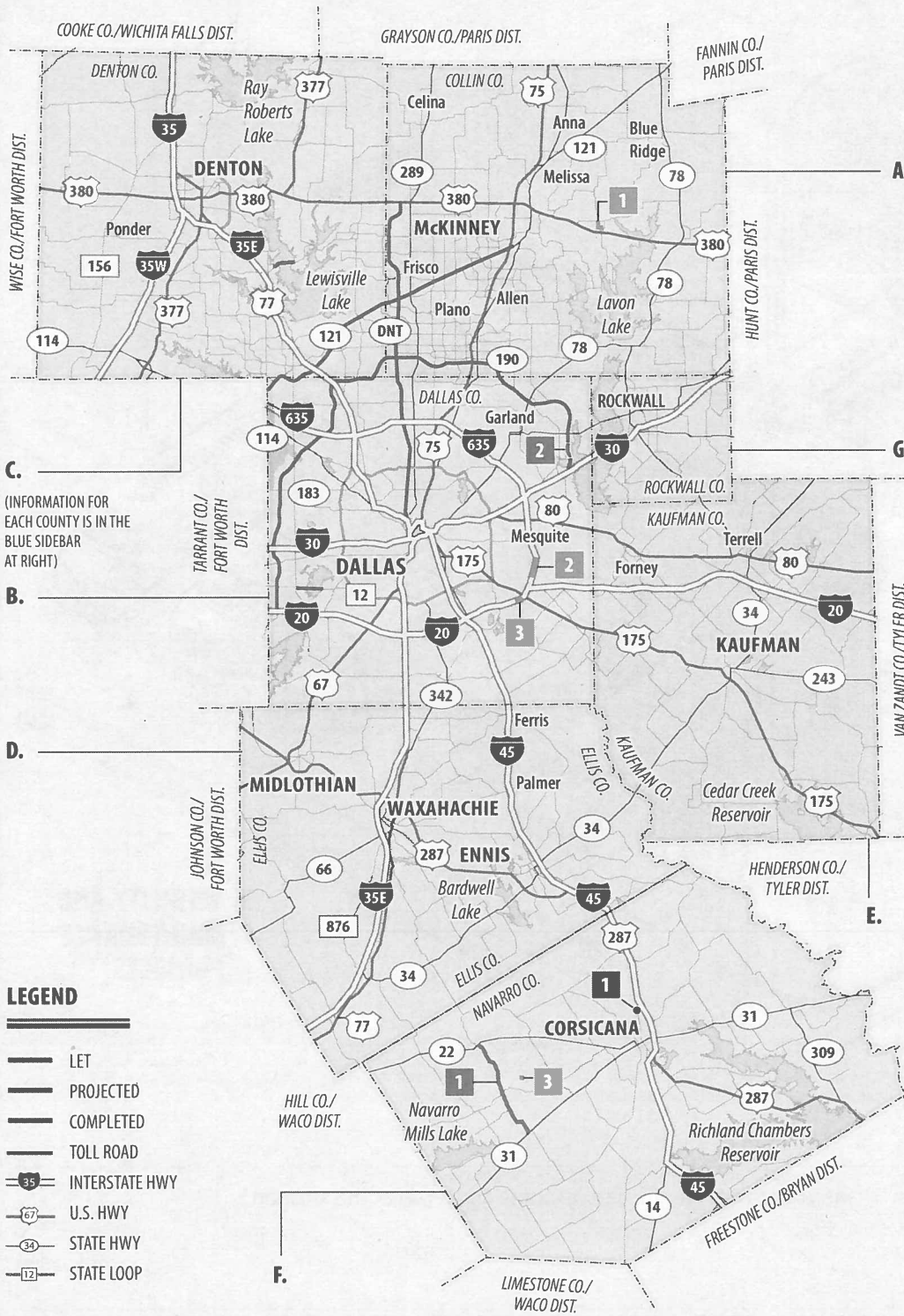
CSJ NUMBER	HWY	LIMITS	TYPE OF WORK	COST (M)	COMPLETION DATE	
1	0387-01-014	FM 75	Main Street to CR 461	Reconstruct existing pavement	\$1.44	10/24/2018
2	2374-02-149	I-635	At Elam Road; At Lake June Road	Landscape enhancement	\$.82	10/22/2018
3	2374-03-077	I-20	West of Haymarket Rd. to West of US 175 in the City of Dallas	Construct FR and ramps connecting I-20	\$7.38	10/08/2018
4	0918-18-126	CR	NW CR 2310 at Rush Creek	Replace bridges and approaches	\$1.12	10/05/2018
ESTIMATED TOTAL				\$10.76		

SOURCE: Texas Department of Transportation.

TxDOT graphic

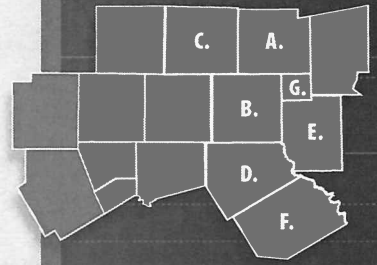
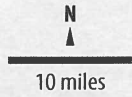
DALLAS DISTRICT PROJECTS MAP

Colored and numbered boxes correspond with the charts on page 2 and show projects that have let in October, are projected to let in November, or have recently been completed.



- LEGEND**
- LET
 - PROJECTED
 - COMPLETED
 - TOLL ROAD
 - INTERSTATE HWY
 - U.S. HWY
 - STATE HWY
 - STATE LOOP

SOURCE: TxDOT research.
*POPULATION ESTIMATE: NCTCOG.



2018 DALLAS DISTRICT ESTIMATE TOTALS

VEHICLE REGISTRATION | 4,016,333
*POPULATION ESTIMATE | 4,793,900
LANE MILES | 10,624.968

A. | COLLIN COUNTY
VEHICLE REGISTRATION: 783,712
*POPULATION ESTIMATE: 969,730
LANE MILES: 1,445.857

B. | DALLAS COUNTY
VEHICLE REGISTRATION: 2,141,401
*POPULATION ESTIMATE: 2,529,150
LANE MILES: 3,359.795

C. | DENTON COUNTY
VEHICLE REGISTRATION: 655,273
*POPULATION ESTIMATE: 844,260
LANE MILES: 1,548.110

D. | ELLIS COUNTY
VEHICLE REGISTRATION: 174,366
*POPULATION ESTIMATE: 183,360
LANE MILES: 1,526.164

E. | KAUFMAN COUNTY
VEHICLE REGISTRATION: 119,998
*POPULATION ESTIMATE: 119,670
LANE MILES: 1,205.854

F. | NAVARRO COUNTY
VEHICLE REGISTRATION: 52,268
*POPULATION ESTIMATE: 49,740
LANE MILES: 1,192.820

G. | ROCKWALL COUNTY
VEHICLE REGISTRATION: 89,315
*POPULATION ESTIMATE: 97,990
LANE MILES: 346.368

1. FUNDING SOURCES



Motor Fuel Taxes



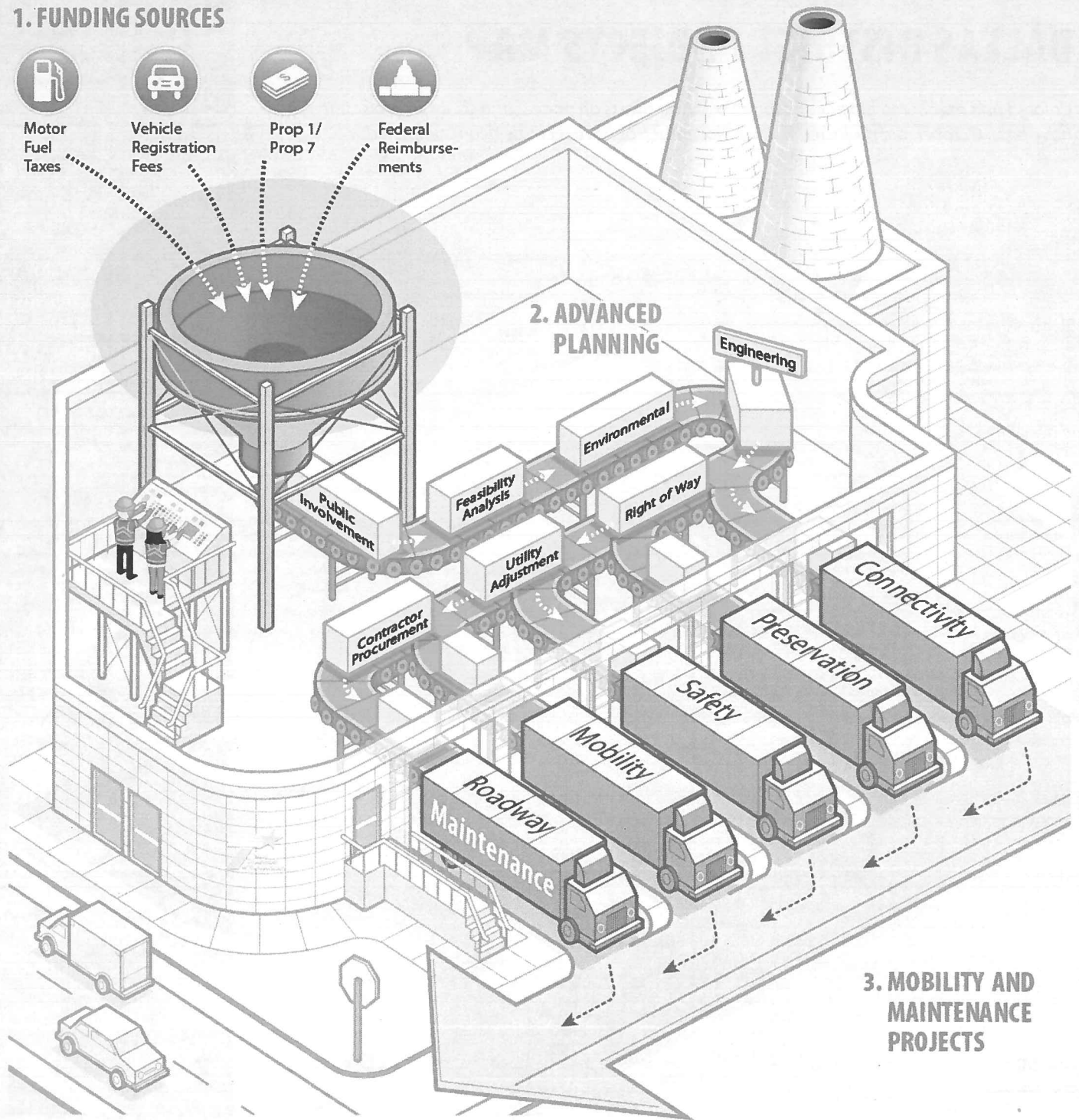
Vehicle Registration Fees



Prop 1/
Prop 7



Federal Reimbursements



SOURCE: Texas Department of Transportation

DEAN HOLLINGSWORTH/TxDOT Information Specialist



Chris B. of Dallas: "Thank you so much for the fast response and repair at this location."

SOURCE: Texas Department of Transportation.

TxDOT graphic

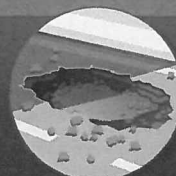
DALLAS DISTRICT | PROGRESS



TEXAS DEPARTMENT OF
TRANSPORTATION
4777 E. Highway 80
Mesquite, TX
75150-6643

FOR MORE INFORMATION:

214-320-4480
dalinfo@txdot.gov
www.txdot.gov



REPORT A POTHOLE:

Visit www.txdot.gov/contact-us/form.html?form=Report_a_Pothole or call 800.452.9292. Progress report can be downloaded at <http://www.txdot.gov/inside-txdot/district/dallas/progress.html>