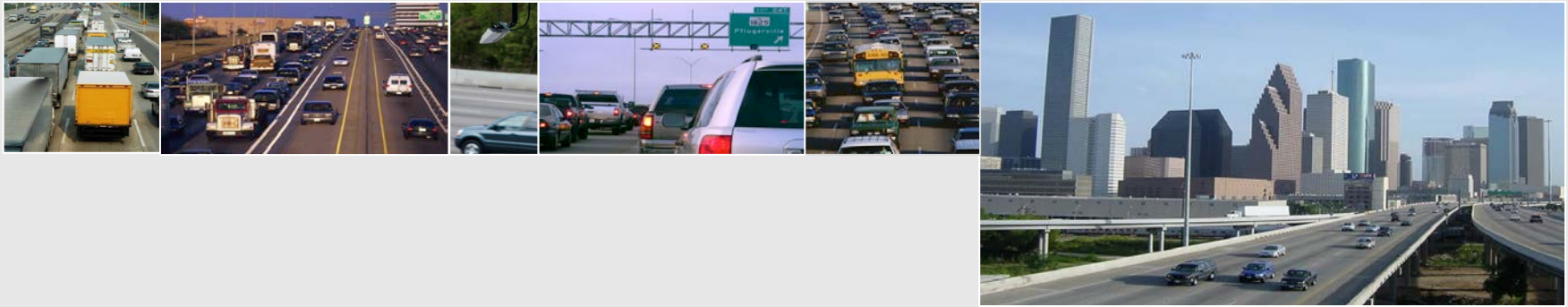
TEXAS DEPARTMENT OF TRANSPORTATION



# EXPANDING DBE/SBE PARTICIPATION IN HEAVY HIGHWAY CONSTRUCTION

Quincy Allen, P.E., TxDOT Houston District Engineer

May 4, 2018

# THE BEGINNING

**April 4, 1917** – Governor James Ferguson signs HB 2, the law creating the Texas Highway Department.

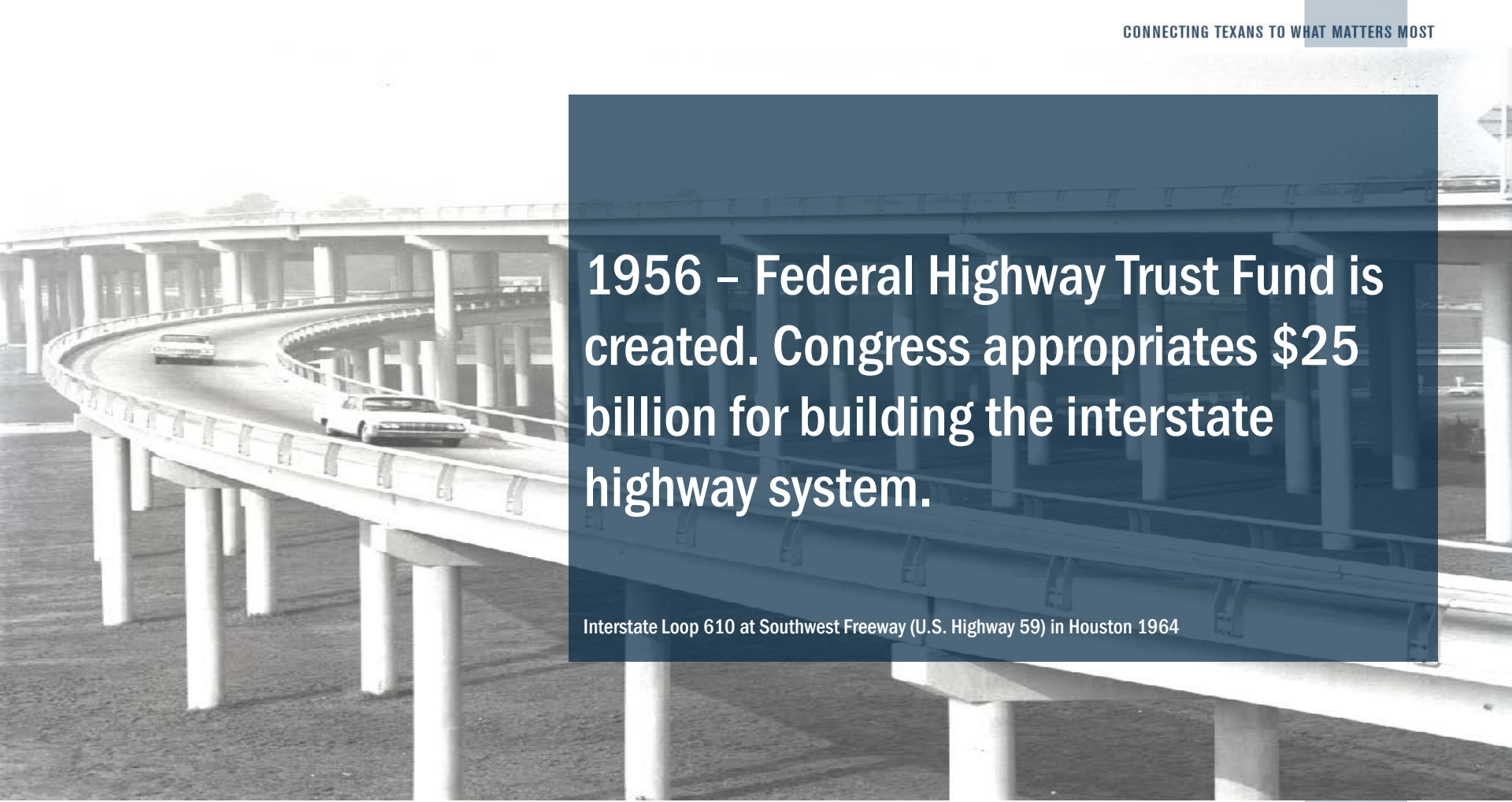
**October 1918** – First highway construction project begins creating a 20-mile road between Falfurrias and Encino, which is now part of US 281.

**1919** – There are 148,000 miles of recorded roads in Texas, but most are made of dirt and clay.

The Old San Antonio Road was part of a Federal Aid Project in 1921.

TxDOT. Then and Now

A Century of Service



# 1956 – Federal Highway Trust Fund is created. Congress appropriates $25 billion for building the interstate highway system.

Interstate Loop 610 at Southwest Freeway (U.S. Highway 59) in Houston 1964

# THE PRESENT

- More than 80,000 miles of state-maintained roads
- 53,875 bridges (nearly 26,000 more than any other state)
- 6,101 traffic signals

Today, as many as 17 million drivers* may travel Texas roadways each day, making congestion relief a priority.

texasclearlanes.com

*Texas Dept. of Public Safety

# Currently, TxDOT is working on the largest project plan in its history.

Hwy 288 south of Hwy 90 in Houston

Mission: Through collaboration and leadership, we deliver a safe, reliable and integrated transportation system that enables the movement of people and goods.

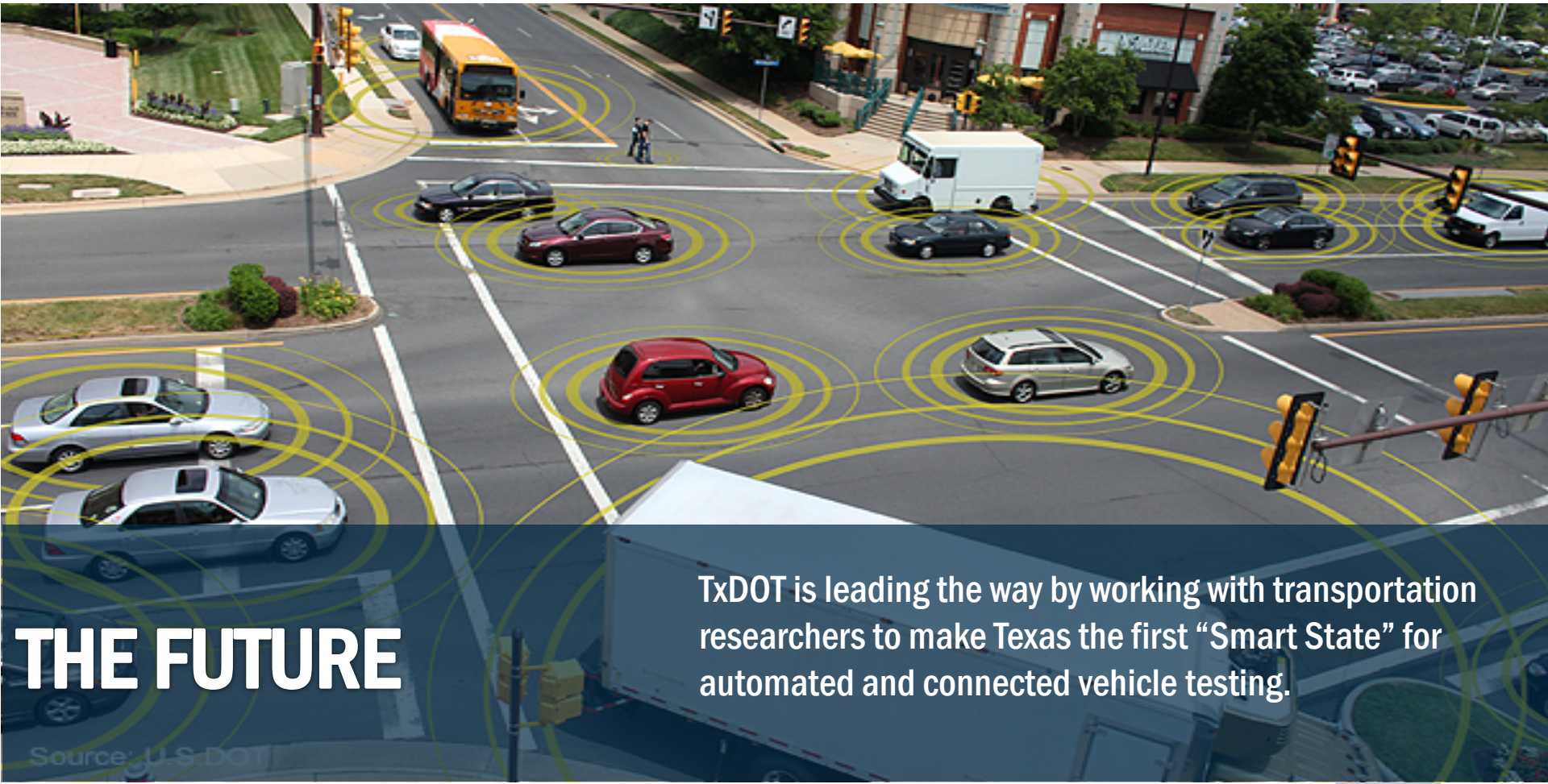
LBJ Express in Dallas

# Transportation and Commerce

Texas' freight system in 2014:

- Moved more than 1 billion tons (52%) of goods by truck.
- Moved over 397 million tons by rail.
- By 2040, Texas is projected to increase freight movement by 88% or 2 billion to 3.8 billion tons.

I-35E south of LBJ Freeway in Dallas
Highlighted lanes are LBJ Express




# THE FUTURE

TxDOT is leading the way by working with transportation researchers to make Texas the first "Smart State" for automated and connected vehicle testing.

# THE HOUSTON DISTRICT

# THE GREATER HOUSTON REGION

Region's population expected to grow by 66% to 10 million over next 25 years.

The 4th largest economy in America and has earned its reputation as the "energy capital" of the world.

Home to world's busiest seaport areas; freight trade hub is set for booming future. Expansion of Panama Canal will increase cargo coming into local ports.

*Tagline and stats from the Greater Houston Partnership – www.houston.org*

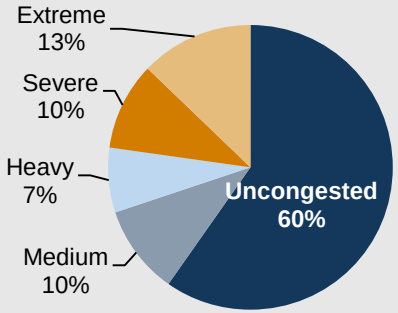
# HOUSTON DISTRICT

- Plans, designs, builds, operates and maintains the state transportation system in **six** counties: Brazoria, Fort Bend, Galveston, Harris, Montgomery and Waller.
- Encompasses **5,856** square miles.
- Serves approximately **5.8 million** people.
- Approximately **5.1 million** registered vehicles.
- Current FTE count is appropriately **1,200**.
- **Seven** area offices and **nine** maintenance sections.
- Operation of the **Galveston/Port Bolivar Ferry** Service

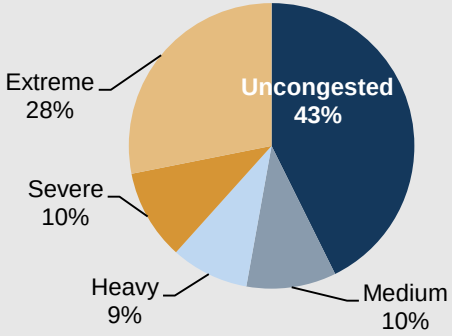
# Congestion Growth in Texas

## Levels of congestion on freeways and major roads

**2008**
475 Million VMT/Yr




**2035**
840 Million VMT/Yr




- Each year, congestion costs Texans:
  - 472 million extra hours of travel time
  - $10.1 billion in delay and fuel costs
  - $2.1 billion in truck freight moving costs
- Texas cities have highest levels of congestion in nation:
  - # 6 – Houston
  - # 13 – Dallas/Fort Worth
  - #17 – Austin
- By 2035, Texas will add 5 million new residents

*Source: Texas Transportation Institute's "2012 Urban Mobility Report"*

# HOUSTON DISTRICT FUN FACTS*

- HOU maintains and operates a total of 10,567 lane miles of pavement.
  - Cover the distance from Los Angeles to New York and back, twice. [2462 miles each way]

- Motorists in our region drive approximately 173 million miles per day.
  - Motorists in the HOU drive enough miles to get to sun and back every day. *(Sun = 93 million mi from earth)*

- Of that 173 million, there are more than 10 million vehicle miles of daily truck traffic on the Houston District system.
  - The HOU carries enough daily truck traffic to go all the way around the earth 401 times. *(circumference of the earth = 24,900 miles)*

*Updated per demographics available for FY 2015

# TXDOT’S FUTURE IS CHANGING

# Houston District Resources & Questions

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*Follow us on Twitter: @TxDOTHoustonPIO*