













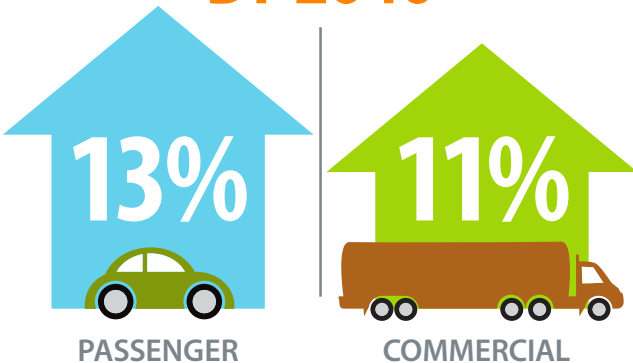
# ALTERNATIVE FUEL VEHICLES (AFVs) TRENDS AND IMPACTS

AFVs could have a positive impact on air quality and cost consumers less at the pump. However, because they are generally more fuel efficient they pay less in fuel tax, and thus could have a negative impact on the state's fuel tax revenues in the long term.

Fuel Type	Air Quality	Fuel Taxes Paid*
<b>Petroleum</b>   		<b>63¢</b> PER 100 MILES
<b>Propane and CNG</b>   		<b>44¢</b> PER 100 MILES
<b>Ethanol/Flex-Fuel</b>   		<b>62¢</b> PER 100 MILES
<b>Electric and Hydrogen</b>   		<b>0¢</b> PER 100 MILES

## PROJECTED AFV MARKET PENETRATION

**BY 2040**



## PROJECTED LOST FUEL TAX REVENUE

**BY 2015**

**\$24M**

**BY 2035**

APPROACHING

**\$200M**


\*Taxes and efficiency standards are representative of large cars as defined by Energy Information Administrations' AEO 2014 National Energy Modeling System.

# Gas Tax Facts

State Transportation and Your Fuel Tax Dollars



## How much do I pay?



Our **state gas tax** is **20¢** per gallon.




Of this, a **nickel** goes to **public education**.




The average driver pays about **\$10** a month in **state fuel taxes**.

After the nickel for public education, the monthly net to the highway fund is **\$7.14**.

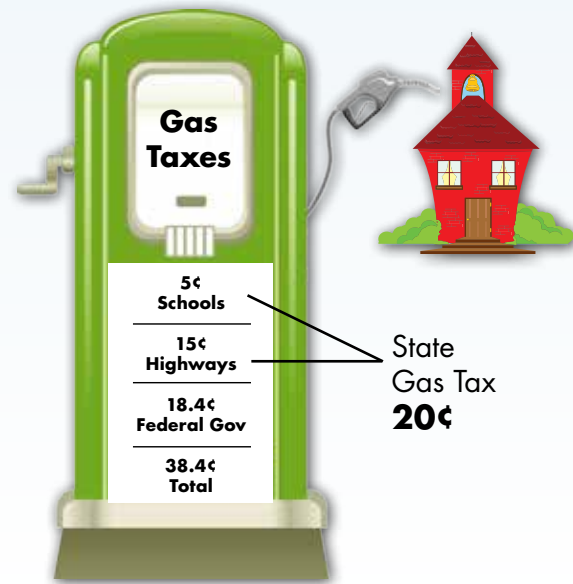
## Monthly state fuel tax examples



**\$9.30**  
2015 Ford F-150 Truck  
21.5 miles per gallon  
1,000 miles driven per month

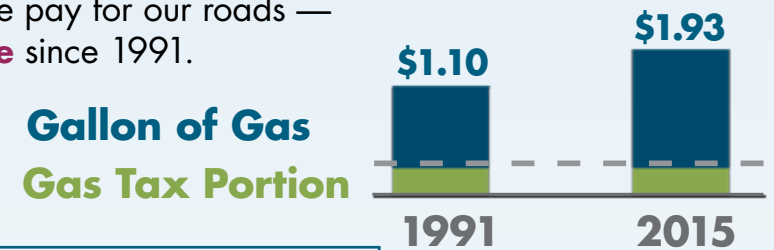


**\$6.15**  
2015 Nissan Altima Sedan  
32.5 miles per gallon  
1,000 miles driven per month



## Did you know?

While **fuel costs have tripled**, the **gas tax** — the primary way we pay for our roads — **has stayed the same** since 1991.

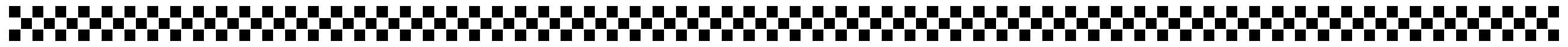
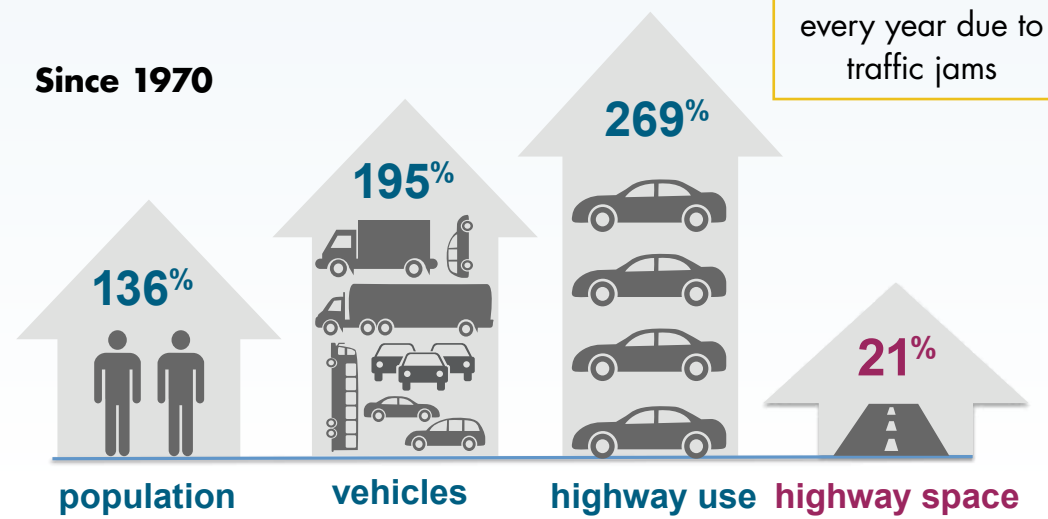


Because of **inflation**, we have less and less money available to pay for roads and bridges.

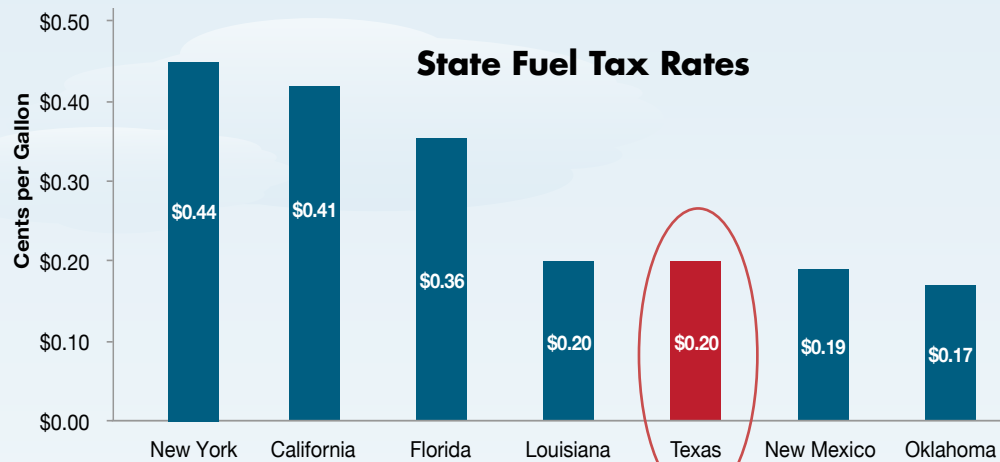
## What is the problem?

The **demand for roadway space** has grown much faster than the **supply** of that space. **It's that simple.**

The average **Texan** loses nearly **\$1,000** and **44 hours** every year due to traffic jams

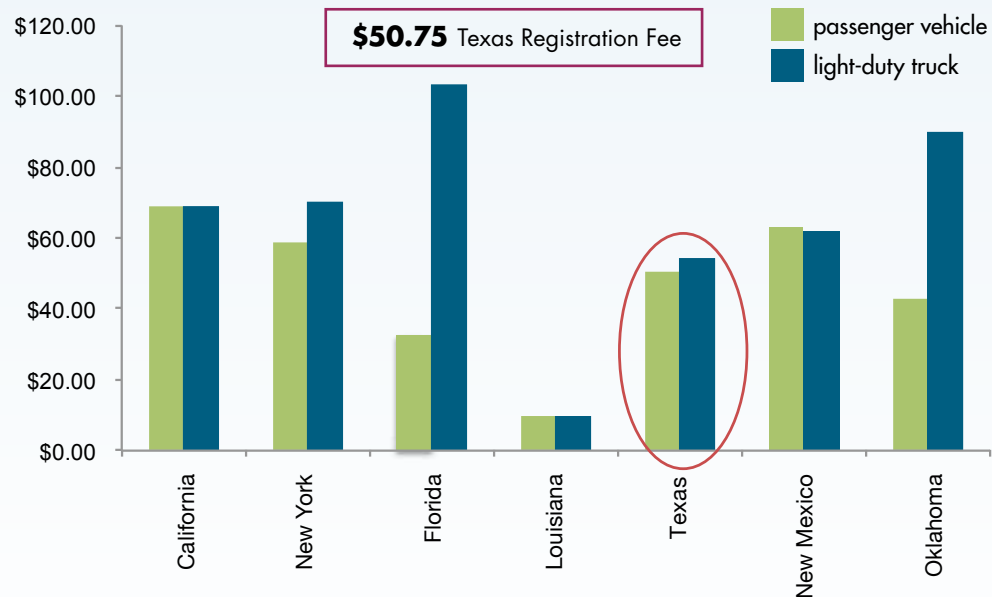


## How does Texas compare to other states?



American Petroleum Institute, State Motor Fuel Taxes, October 2015

## State Vehicle Registration Rates



Source: [https://www.dmv.ca.gov/portal/dmv/detail/pubs/brochures/fast\\_facts/ffvr34](https://www.dmv.ca.gov/portal/dmv/detail/pubs/brochures/fast_facts/ffvr34)  
<http://dmv.ny.gov/registration/registration-fees-use-taxes-and-supplemental-fees-passenger-vehicles>  
<http://www.flhsmv.gov/fees/>  
[http://revenue.louisiana.gov/TaxForms/20164\(8\\_02\).pdf](http://revenue.louisiana.gov/TaxForms/20164(8_02).pdf)  
<http://www.txdmv.gov/motorists/register-your-vehicle>  
<http://www.mvd.newmexico.gov/register-your-vehicle.aspx#/new>  
[https://www.ok.gov/tax/Individuals/Motor\\_Vehicle/Tag\\_Tax\\_Title\\_Fees/index.html](https://www.ok.gov/tax/Individuals/Motor_Vehicle/Tag_Tax_Title_Fees/index.html)

## Where does the state get funding for roads?

### Sources of State Highway Fund Revenue

Estimate 2016

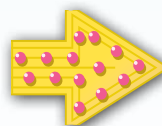
Motor Fuel Lubricants Tax	\$44,500,000
Motor Vehicle Registration Fees	\$1,419,568,000
Special Vehicle Permit Fees	\$101,232,000
Sale of Publications/Advertising	\$6,600,000
Supplies/Equipment/Services—Federal/Other	\$184,434,000
Interest on State Deposits/Investments, General Non Program	\$21,946,000
Motor Fuel Taxes Allocations	\$2,558,220,000
Severance Taxes Allocations (reflect voter approval SJR 1)	\$1,134,668,000
Reimbursements, Loan Repayments, Royalties, Fees, Land Rental/Sale, and Other Sources	\$202,021,000
Federal Sources	\$5,227,988,000
<b>TOTAL</b>	<b>\$10,901,177,000</b>

Source: Texas Comptroller of Public Accounts, Certification Revenue Estimate, 2016-2017, Table A.11

## How does the gas tax compare to other monthly expenses?

Source: Consumer Expenditure Survey, U.S. Bureau of Labor Statistics 2014  
<http://store.mintel.com/pay-tv-and-home-communication-services-us-march-2015>  
<http://www.statisticbrain.com/gym-membership-statistics/>  
[http://www.americanpetproducts.org/press\\_industrytrends.asp](http://www.americanpetproducts.org/press_industrytrends.asp)

Eating Out	\$232
Utilities	\$327
Vehicle Insurance	\$93
Cell Phone Service	\$80
Routine Dog Care	\$91
Gym Membership	\$58
Cable Bundle (internet, television and telephone)	\$141
<b>State Fuel Taxes</b>	<b>\$10</b>
<b>Federal Fuel Taxes</b>	<b>\$9</b>



## What does it cost to build?



**Freeway Interchange**  
\$350 million



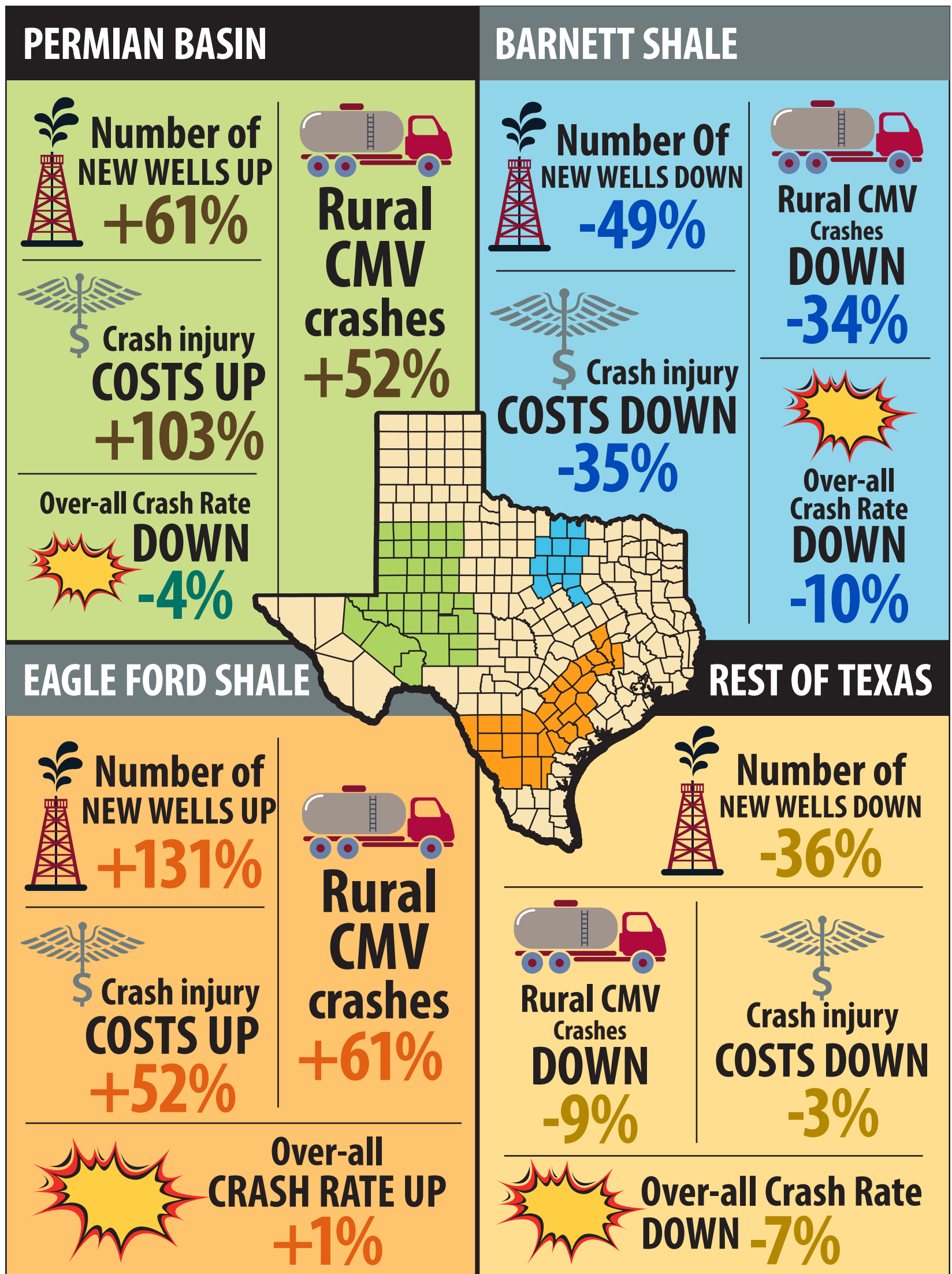
**Overpass**  
\$7 million per lane mile



**Freeway Widening**  
\$8 million per lane mile

# The amount of drilling activity in a region affects vehicle crashes and crash costs.\*

Comparison based on statewide data from 2006-2009 and 2010-2013



\*SOURCES: Texas Railroad Commission, Texas Department of Transportation, and Texas A&M Transportation Institute