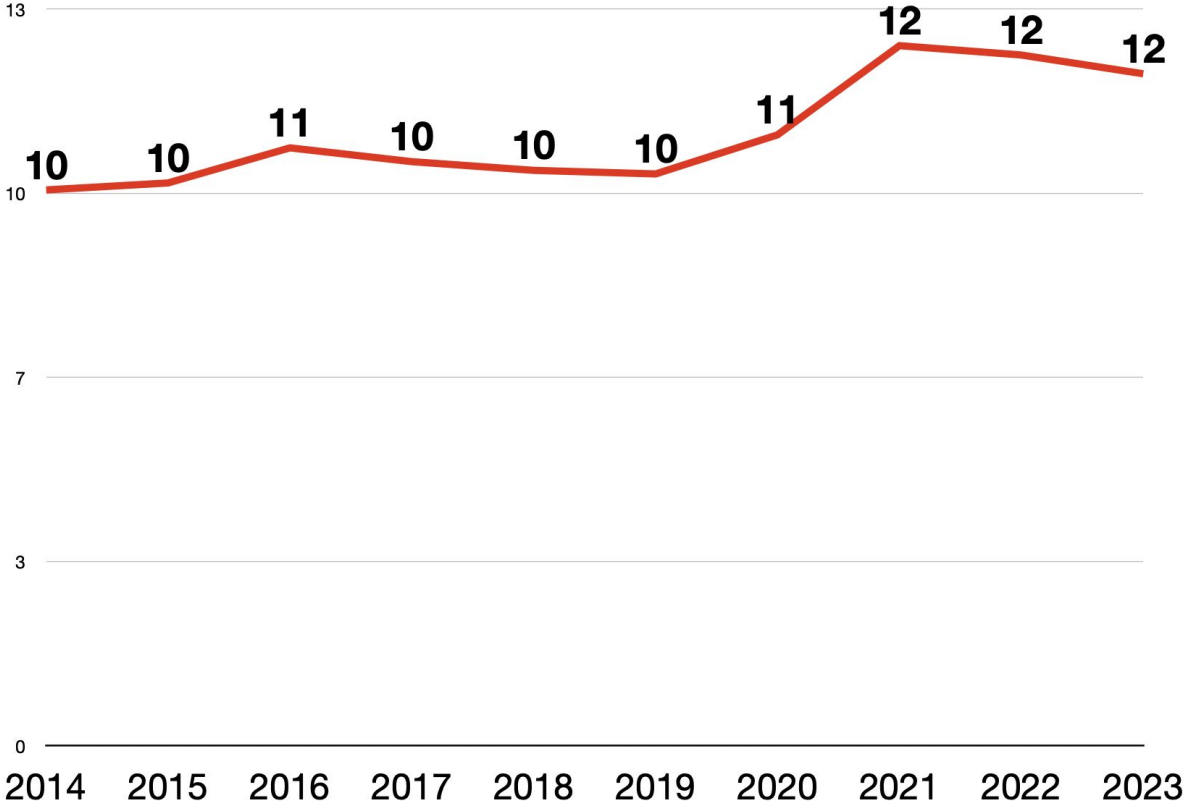




Farm  
& City

# People Killed on an Average Day in the Texas Transportation System



# Safe Streets for Texans

Houston District

Texas Department of Transportation

7600 Washington Ave, Houston, TX 77007

Ned Holmes Auditorium

April 30, 2024

Funded through a TxDOT Safety Grant

(Presentation not pre-approved by TxDOT staff)

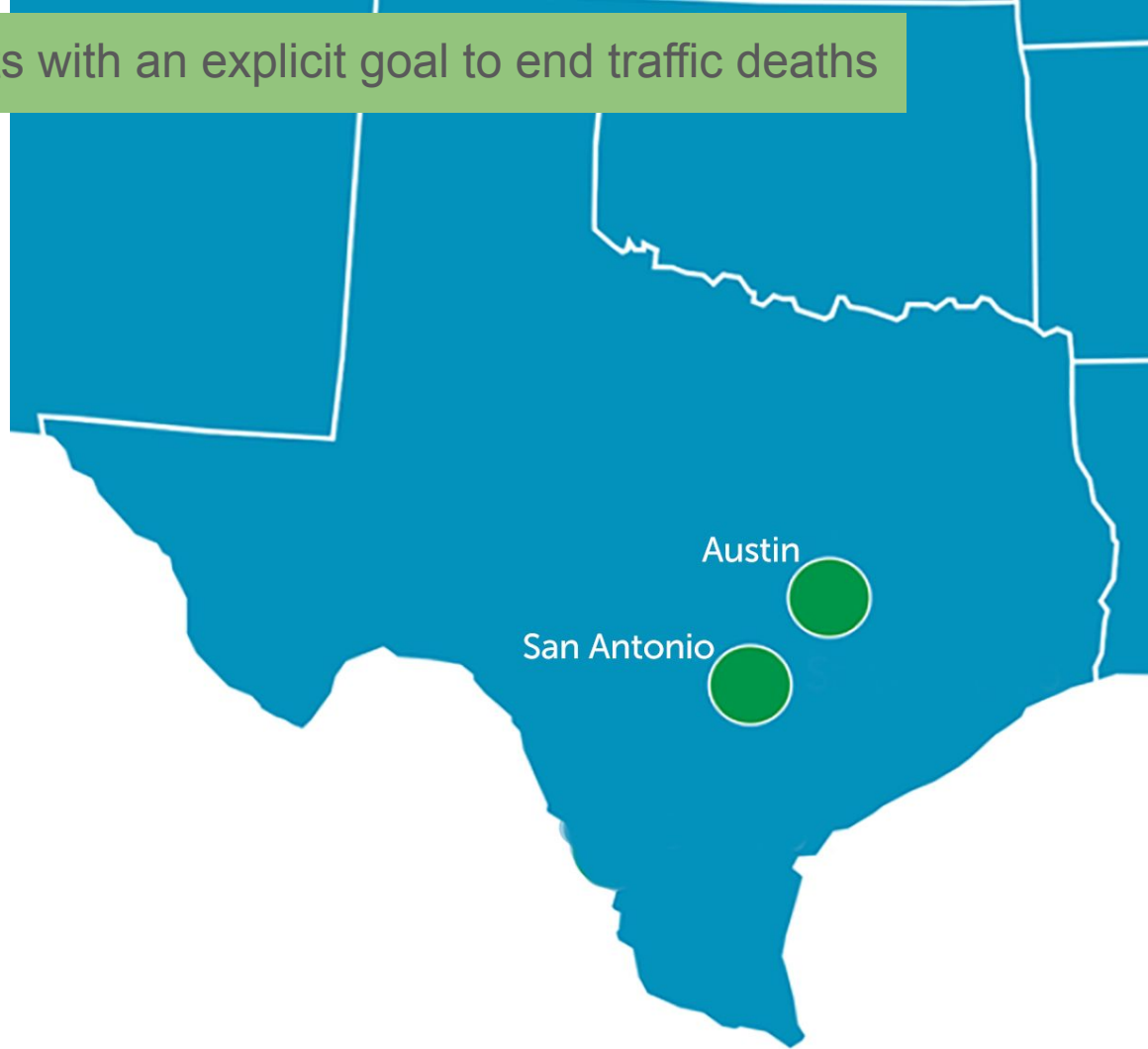


# Texas Governments with an explicit goal to end traffic deaths

2018

## Cities

Austin  
San Antonio



# Texas Governments with an explicit goal to end traffic deaths

## 2024

TxDOT

### Counties

- El Paso County
- Harris County
- Midland County
- Webb County

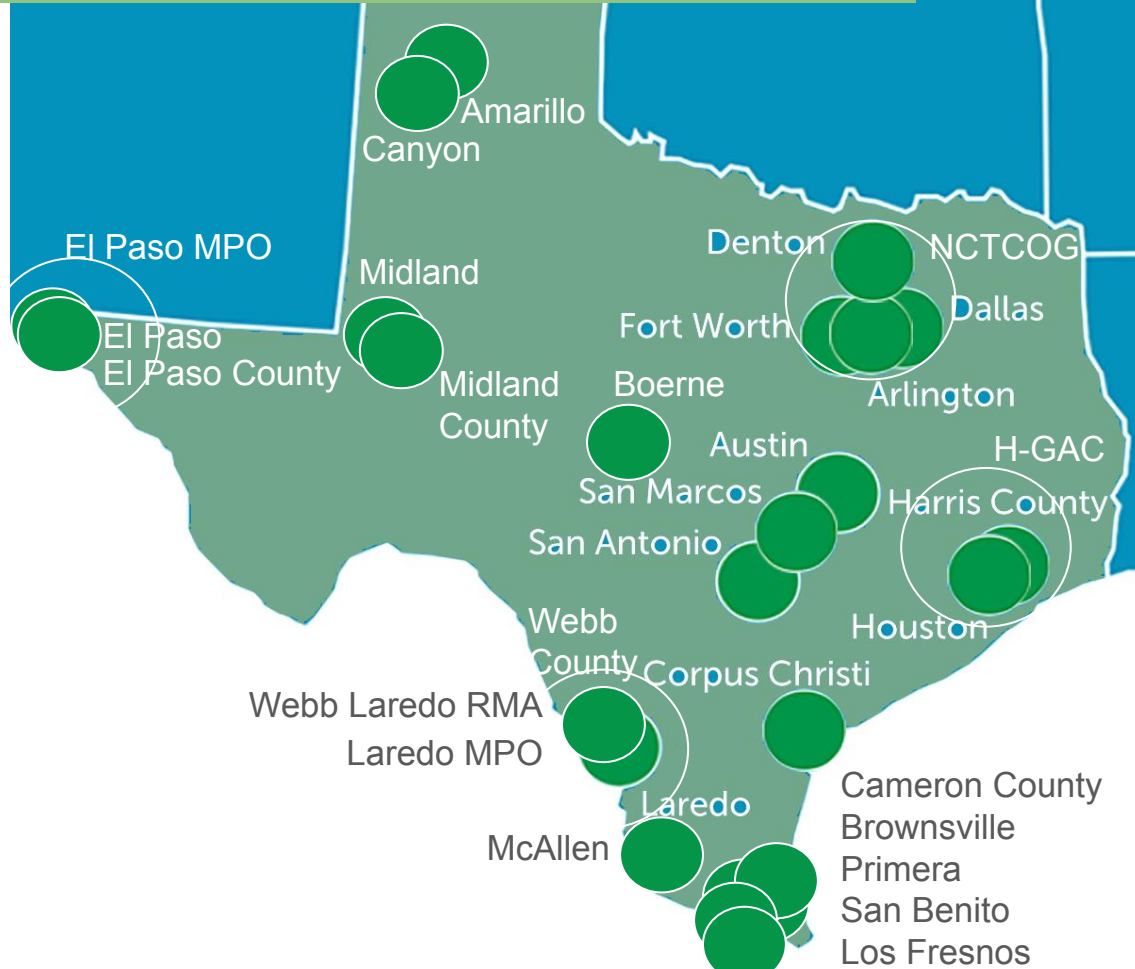
### MPOs

- El Paso MPO
- H-GAC
- Laredo MPO
- NCTCOG

Webb Laredo RMA

### Cities

- Amarillo
- Arlington
- Austin
- Boerne
- Brownsville
- Canyon
- Corpus Christi
- Dallas
- Denton
- El Paso
- Fort Worth
- H-GAC
- Houston
- Laredo
- McAllen
- Midland
- Primera
- San Antonio
- San Benito
- San Marcos



# Texas Governments with an explicit goal to end traffic deaths

2024

TxDOT

**Counties**

- El Paso County
- Harris County
- Midland County
- Webb County

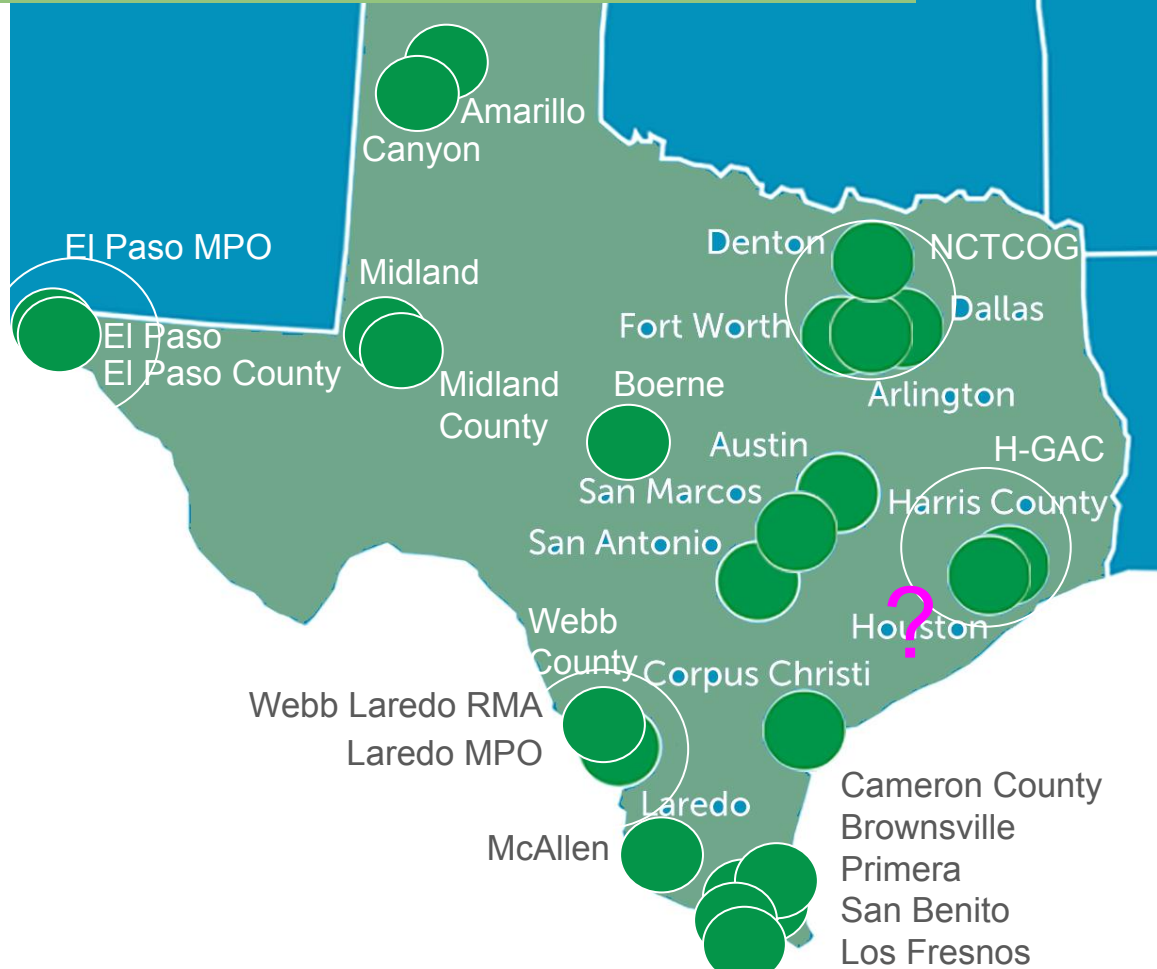
**MPOs**

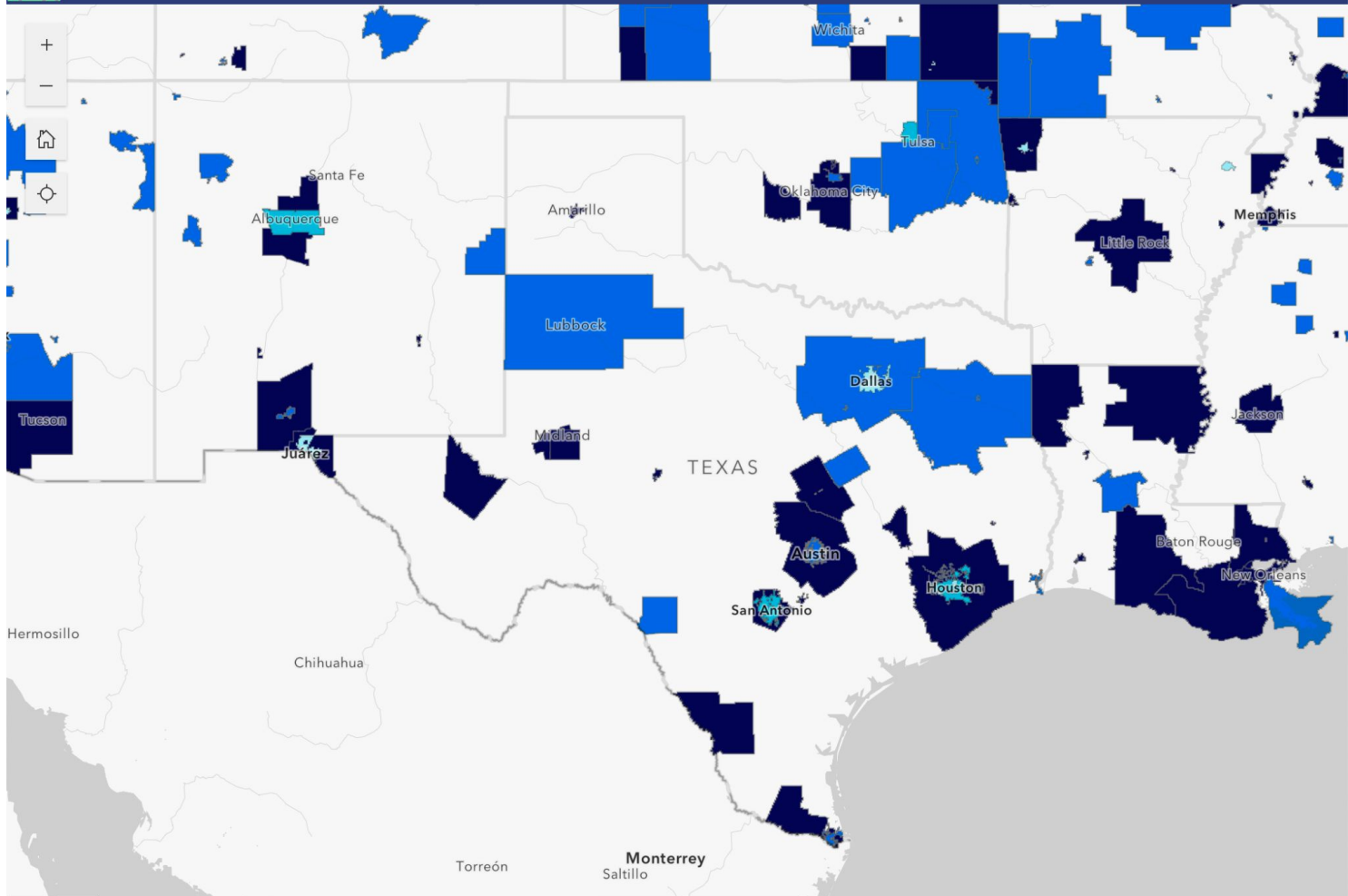
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- H-GAC
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Webb Laredo RMA

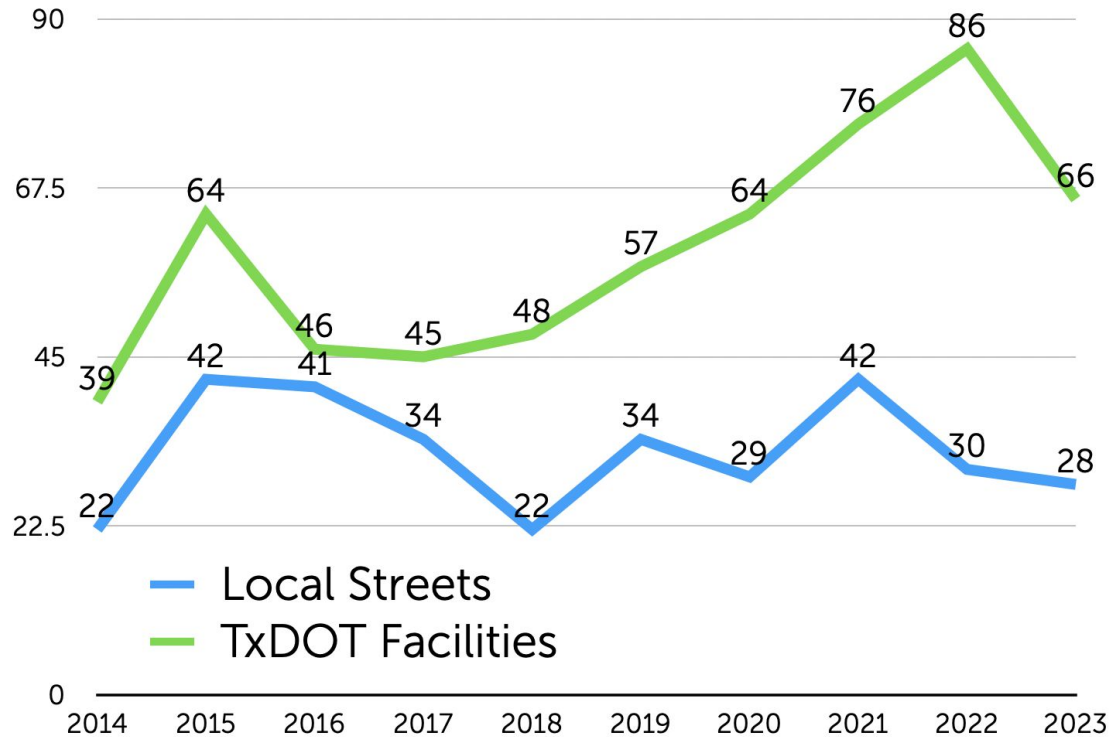
**Cities**

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- Fort Worth
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- McAllen
- Midland
- Primera
- San Antonio
- San Benito
- San Marcos





# People who died in traffic in the City of Austin on TxDOT and Local Roads 2014 - 2023



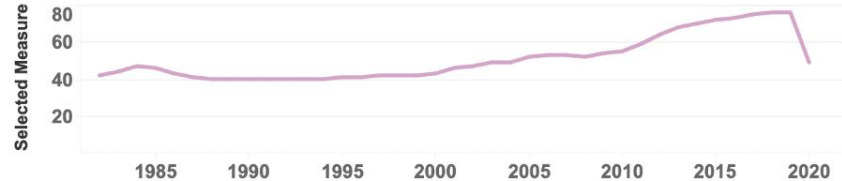


Houston's 2020 delay is **64%** of 2019 delay levels.

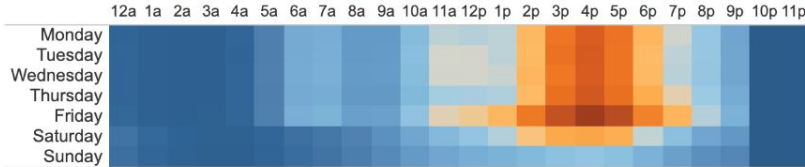
Measure: Delay per Auto Commuter



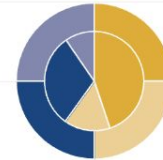
### Delay per Auto Commuter



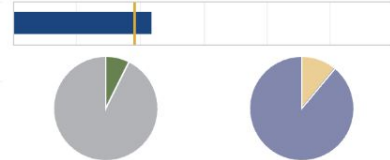
### What Time Did Congestion Happen in 2020?



### Delay Split



### Cost Comparisons



### 2020 Congestion

|                          |                |
|--------------------------|----------------|
| Total Annual Delay:      | 169,765K Hours |
| Delay Rank:              | 4              |
| Annual Delay/Commuter:   | 49 Hours       |
| Delay/Commuter Rank:     | 3              |
| Congested Weekday Hours: |                |

### Economic

|                                |          |
|--------------------------------|----------|
| Annual Congestion Cost:        | \$3,795M |
| Annual Congestion Cost Rank:   | 4        |
| Congestion Cost/Commuter:      | \$1,097  |
| Congestion Cost/Commuter Rank: | 5        |

### Cost Components

|                           |               |
|---------------------------|---------------|
| Value of Time:            | \$20.17/Hour  |
| Commercial Value of Time: | \$55.24/Hour  |
| Avg State Gasoline Cost:  | \$2.05/Gallon |
| Avg State Diesel Cost:    | \$2.51/Gallon |

## 2020 Cost of traffic crashes in the Houston area

|  | 2021 NSC estimated economic cost per traffic crash incident | 2021 NSC estimated comprehensive cost per traffic crash incident | People Impacted by [year city/county/area] traffic crashes | 2020 estimated economic costs | 2020 estimated comprehensive costs |
|--|---|--|--|-------------------------------|------------------------------------|
| <b>Total Cost</b>                                      |   |  |  | <b>\$5,920,917,224</b>        | <b>\$27,639,652,244</b>            |
| Fatalities (Fatal Injury)                              | \$1,778,000   | \$12,474,000   | 694  | \$1,387,556,534               | \$9,734,747,022                    |
| Suspected Serious Injuries                             | \$155,000   | \$1,016,000  | 3,307  | \$576,401,833                 | \$3,778,221,044                    |
| Non-incapacitating injuries (Suspected minor injuries) | \$40,000  | \$221,000  | 13,539   | \$608,984,220                 | \$3,364,637,816                    |
| Possible injuries                                      | \$24,000  | \$120,000  | 34,112   | \$920,614,656                 | \$4,603,073,280                    |
| No injury observed (not injured or unknown)            | \$6,700   | \$17,000   | 322,181  | \$2,427,359,981               | \$6,158,973,087                    |
| Economic Cost Estimate Using NSC Per Death Basis       |   | \$11,880,000   | 694  | \$8,244,720,000               |                                    |
| Total number of people in involved in a crash          |   |  | 373,833  |                               |                                    |

**Comprehensive Cost**

**\$27.6 Billion**

**Economic Cost**

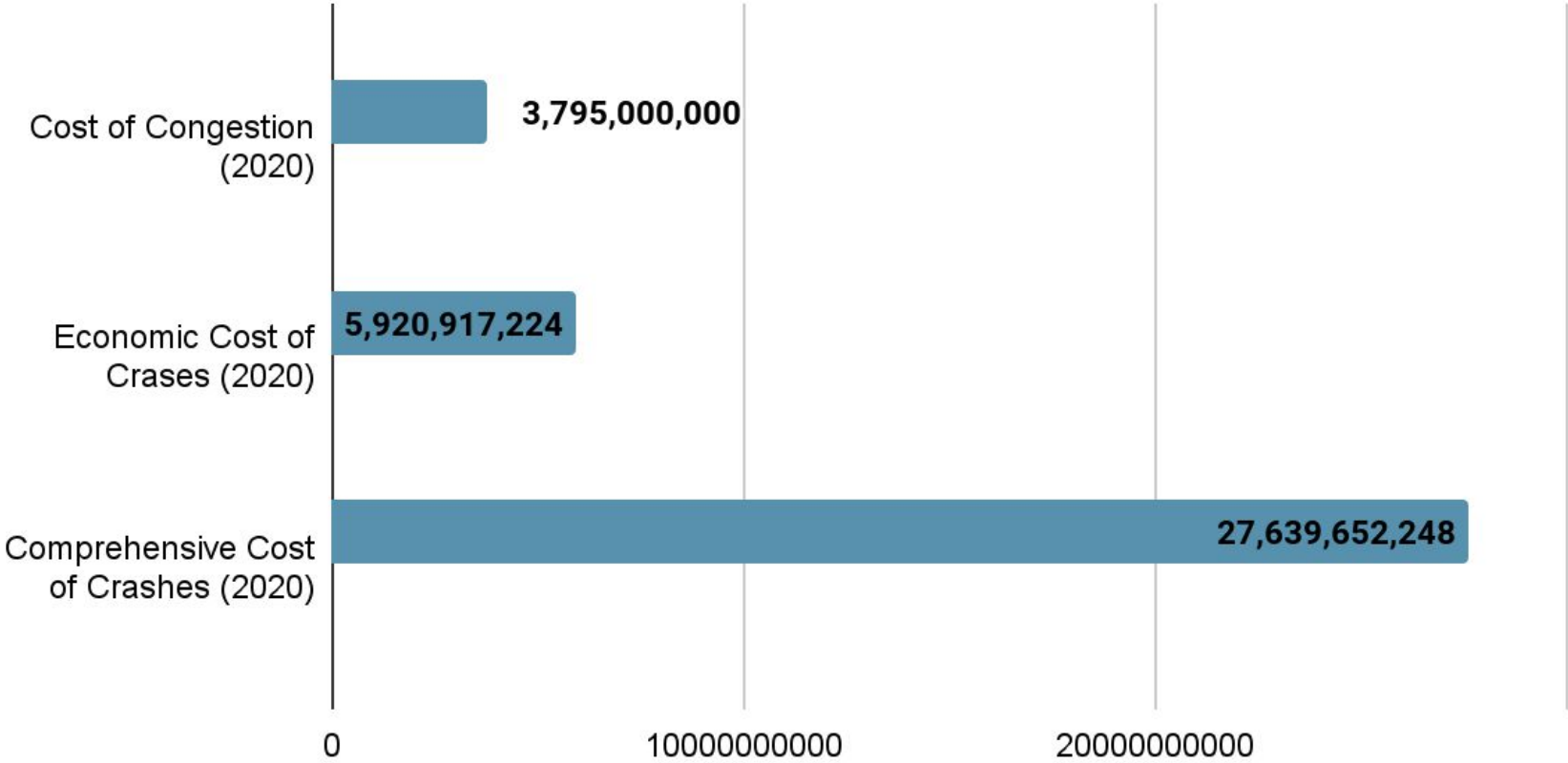
**\$5.9 Billion**

**National Safety Council Guide to Calculating Costs of Motor-Vehicle Injuries:**

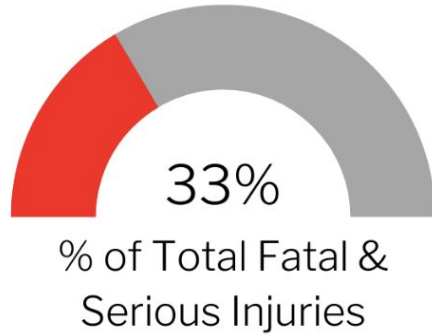
<https://injuryfacts.nsc.org/all-injuries/costs/guide-to-calculating-costs/data-details/>

**Traffic crash data should be retrieved from TXDOT's Public CRIS Query system:**

# Estimated Cost of Crashes and Congestion for the People of the Houston Area



# Our Speeding Problem



Safer  
Speeds

Texas Strategic Highway Safety Plan  
2022 - 2027

The cover features a photograph of a road with bluebonnets in the foreground and a car in the distance. A blue box on the right contains the title and dates. At the bottom, there are logos for the Texas Department of Transportation, Save a Life, Center for Transportation Safety, and Texas A&M Transportation Institute.

# Streets



- Creating wealth
- Low speed
- High accessibility
- Complex design
- Highly adaptive

&

# Roads



- Moving goods and people
- High speed
- Low accessibility
- Simple design
- Not adaptive

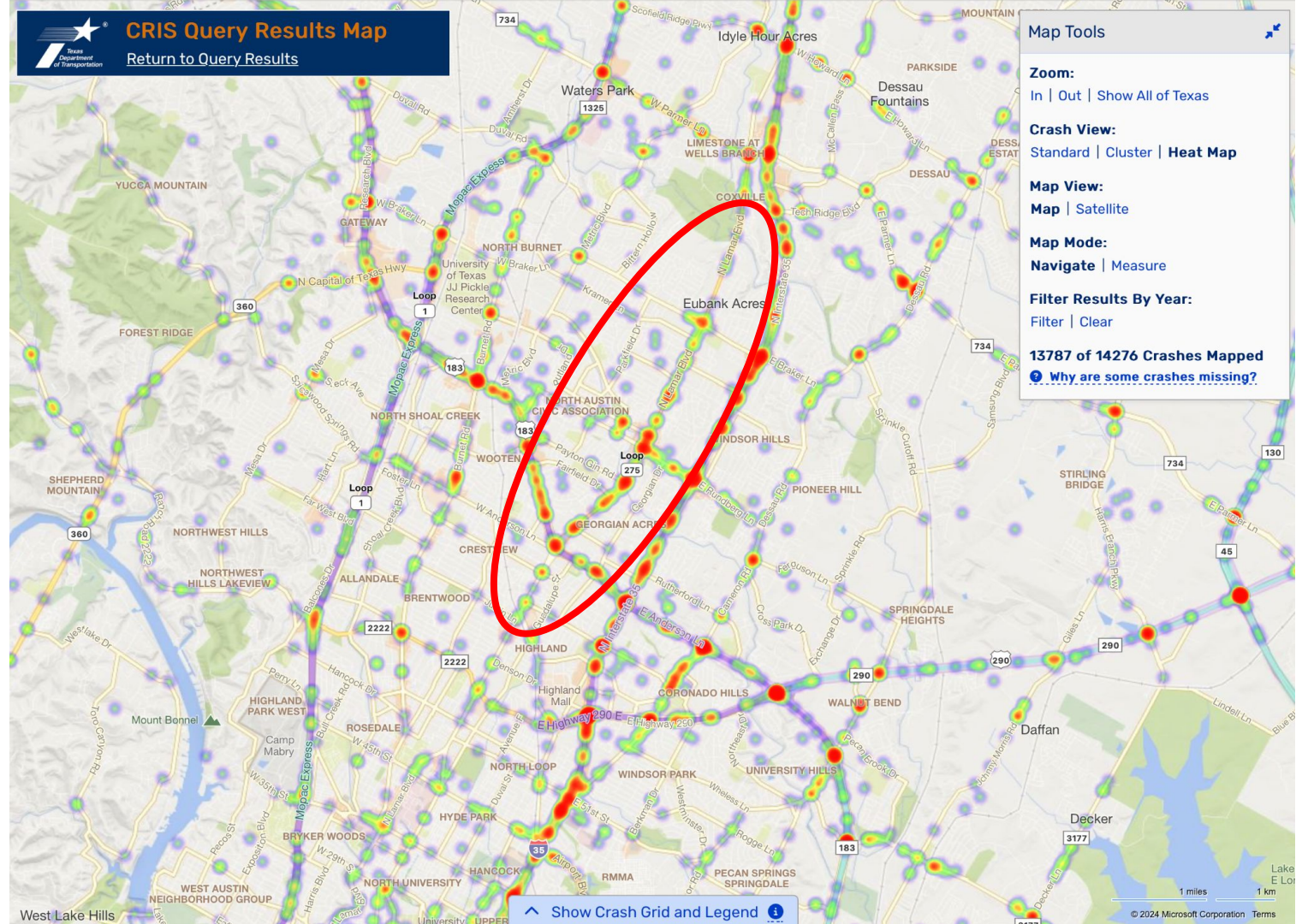


Safer  
Roads



# CRIS Query Results Map

[Return to Query Results](#)



**Map Tools**

**Zoom:**  
[In](#) | [Out](#) | [Show All of Texas](#)

**Crash View:**  
[Standard](#) | [Cluster](#) | [Heat Map](#)

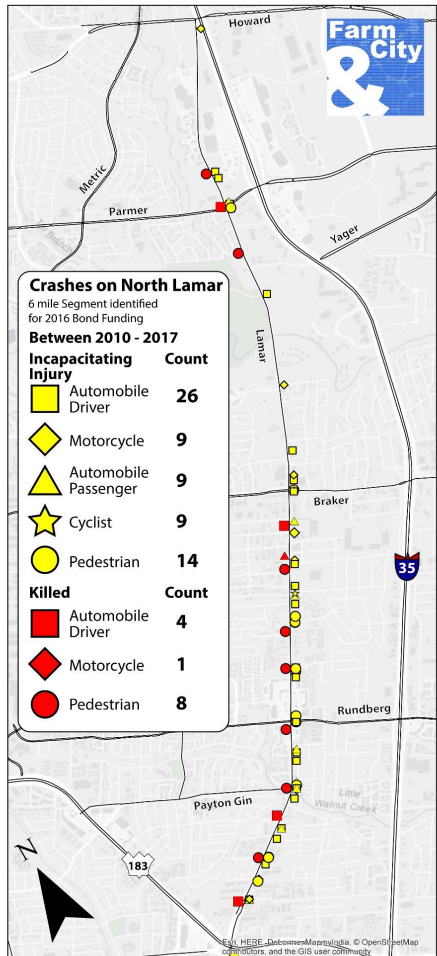
**Map View:**  
[Map](#) | [Satellite](#)

**Map Mode:**  
[Navigate](#) | [Measure](#)

**Filter Results By Year:**  
[Filter](#) | [Clear](#)

**13787 of 14276 Crashes Mapped**  
[Why are some crashes missing?](#)

[Show Crash Grid and Legend](#)



Created by Andrew Mayer





RAM  
4x4  
KYP-7183

BIB  
EXPOS  
THE PUM  
ECO CLE  
Just Ull





5555  
HALF PRICE BOOKS RECORDS MAGAZINES

GOODWILL

AUSTIN WEISLACKER

JOHN LEASE

855.444.2873

GYM

10

5555  
LAKAT BUSINESS PARK  
BIG TIRES  
EXPO SALON

COMMERCIAL





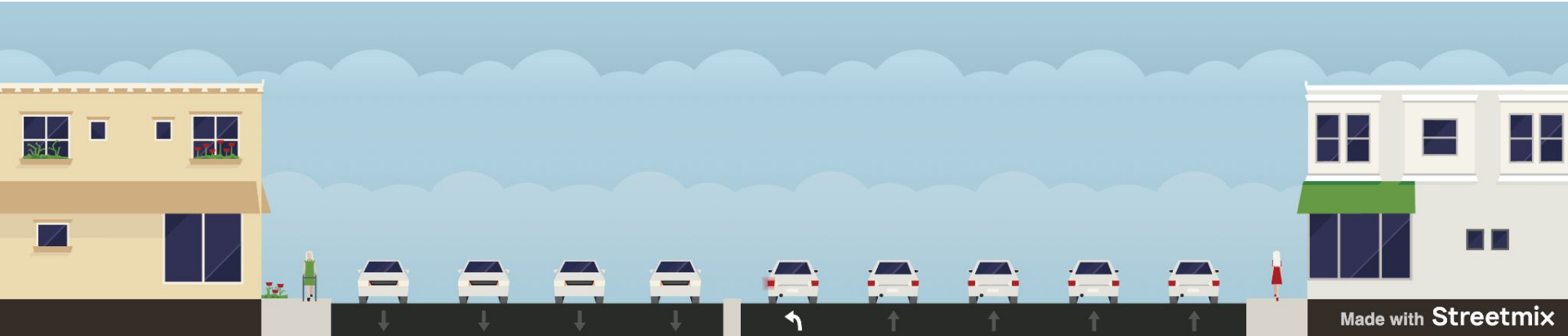
NEW  
HOT HONEY  
SAUCE



AHEAD



# Westheimer Rd - Current Cross Section



# Westheimer Rd - Street Cross Section





Jay Blazek Crossley

[jay@FarmAndCity.org](mailto:jay@FarmAndCity.org)