

Vision Zero Update to PAC



February 3, 2020



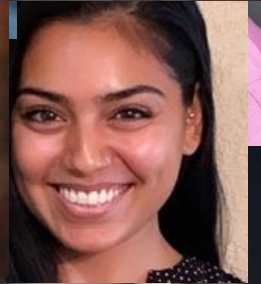
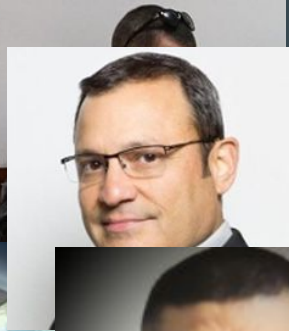
Agenda

1. 2019 data and trends
2. Discussion on recent/current initiatives
3. Get involved

Years of Life Lost

3,107

(2019 Total)



Austin Data

Fatalities by Mode (2019 vs 2018)

	2019		2018	
Mode	# Fatalities	% of Total Fatalities	# Fatalities	% of Total Fatalities
Pedestrian*	36	40%	31	42%
Bicyclist**	3	3%	2	3%
Motor Vehicle	39	44%	32	43%
Motorcycle	11	12%	9	12%
	89		74	

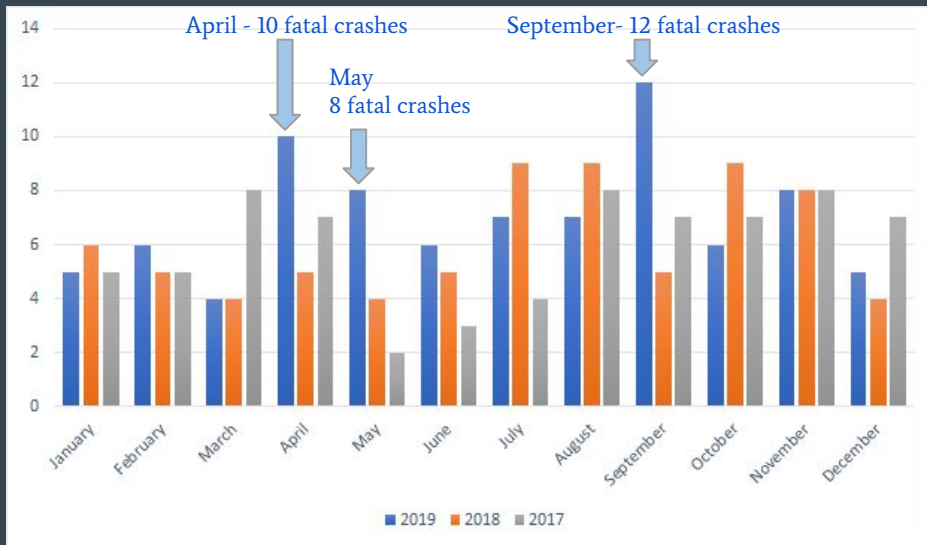
* Includes 1 e-scooter classified as a Pedestrian

** Includes one crash with one fatality in non-APD jurisdiction

Austin Data

Fatal Crashes by Month (2019 vs 2018 vs 2017)

Fatal Crashes by Month



Cumulative Fatal Crashes by Month



Austin Data

Temporal trends

Hour	# fatal crashes	%
12 AM to 4 AM	21	24%
4 AM to 8 AM	14	16%
8 AM to 12 PM	9	10%
12 PM to 4 PM	9	10%
4 PM to 8 PM	9	10%
8 PM to 12 PM	25	29%
	87	100%

← 6 of the 9 occurred in November or December

Austin Data

Temporal trends

Serious Injury & Fatal Crashes by Hour and Day of Week

Preliminary 2019 Year-End Crashes

	12 AM	1 AM	2 AM	3 AM	4 AM	5 AM	6 AM	7 AM	8 AM	9 AM	10 AM	11 AM	12 PM	1 PM	2 PM	3 PM	4 PM	5 PM	6 PM	7 PM	8 PM	9 PM	10 PM	11 PM	
SUNDAY	9	3	7	6	1	2	2	1	1	3	2	3	4	7	4	2	5	4	3	4	3	5	0	3	84
MONDAY	4	3	4	2	1	2	3	5	2	1	2	6	3	2	4	7	4	2	7	6	2	5	3	4	84
TUESDAY	1	1	3	0	0	2	6	3	8	2	3	3	3	2	4	5	2	1	2	4	5	1	3	3	67
WEDNESDAY	1	3	1	2	2	0	2	7	2	6	7	3	3	1	6	5	6	3	2	7	1	4	5	1	80
THURSDAY	1	4	1	0	1	0	4	7	3	3	3	4	1	5	3	3	4	4	5	5	6	3	3	3	76
FRIDAY	2	2	0	2	0	2	2	2	4	5	7	5	5	2	3	4	3	1	4	4	5	2	2	3	71
SATURDAY	3	6	7	4	2	3	4	4	4	2	1	4	4	5	2	7	5	6	4	3	5	3	11	6	105
	21	22	23	16	7	11	23	29	24	22	25	28	23	24	26	33	29	21	27	33	27	23	27	23	567

Austin Data

Where and when

- 46% of all fatal crashes were on freeways or frontage roads
- 54% of all fatal crashes happened between 8PM to 4AM

Demographics

- 71 (81%) of fatal crash victims were male
- 26 (30%) were aged 21-30

Austin's fatality rate per 100,000 for 2019 is 8.9

- Equal to the five-year average; lower than it was in 2012, 2015

Austin Data

Pedestrian data

Of the 36 pedestrian fatalities:

- 17 were on a freeway or a service road
 - 14 related to IH-35
 - 1 scooter fatality
- 11 were crossing at mid-block/non-intersection (non-freeway related)
- 3 were walking in travel lanes
- 1 was crossing an intersection when traffic signals changed
- 4 - other

Of the 36 pedestrian fatal crashes:

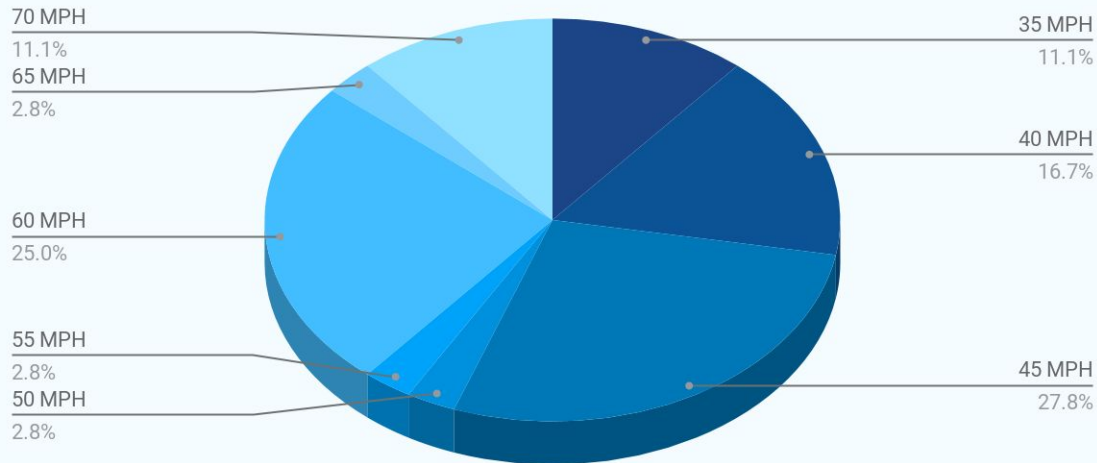
- 27 pedestrians had suspected impairment
- 1 driver had suspected impairment

Austin Data

Pedestrian data

Of the 36 pedestrian fatalities:

Percentages by Posted Speed Limit



Updates on Initiatives

Speeding Increases Risk

$$\text{Kinetic Energy} = \left(\frac{1}{2} * \text{mass}\right) * \text{velocity}^2$$

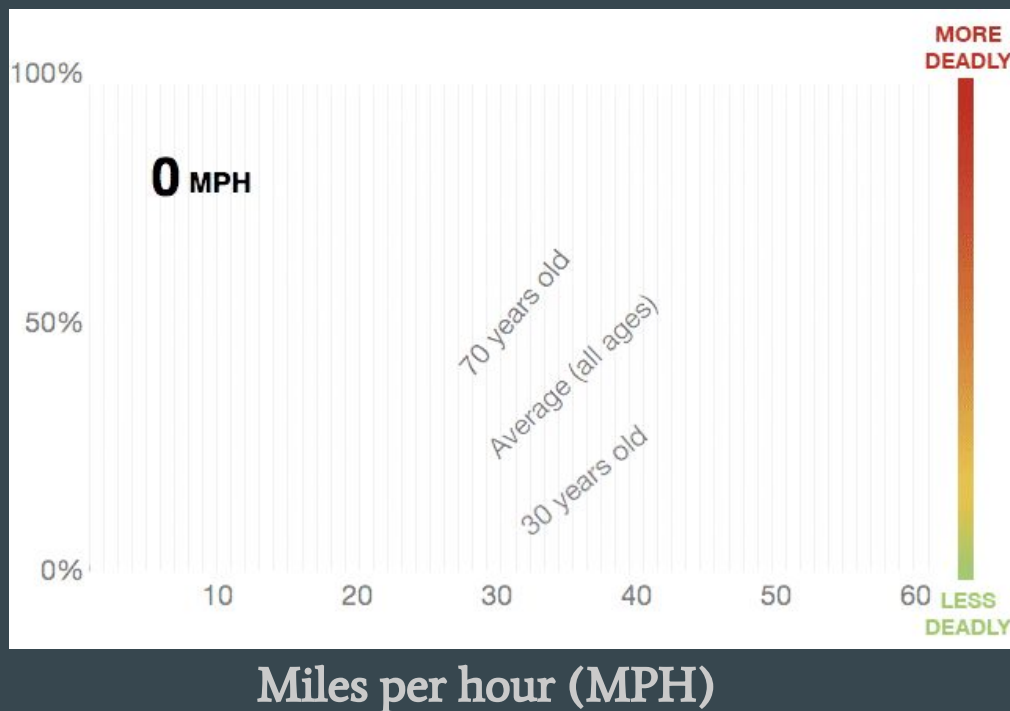


Miles per hour (MPH)

Updates on Initiatives

Speeding Increases Risk

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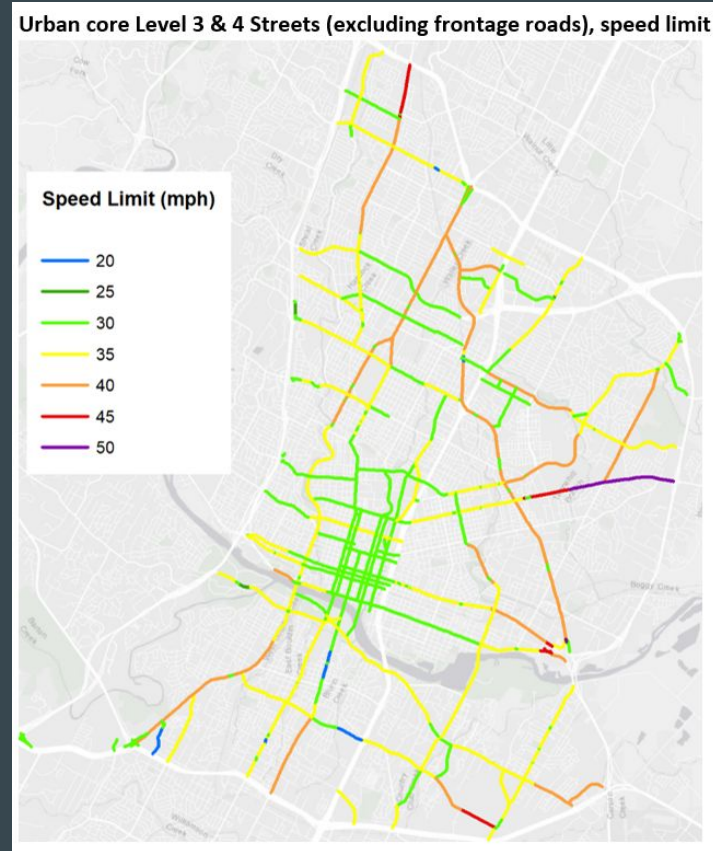
A person's chance of surviving being hit by a car decreases drastically with faster speeds. Graphic: ProPublica. Data: AAA Foundation for Traffic Safety report.

Source: Seattle SDOT blog

Updates on Initiatives

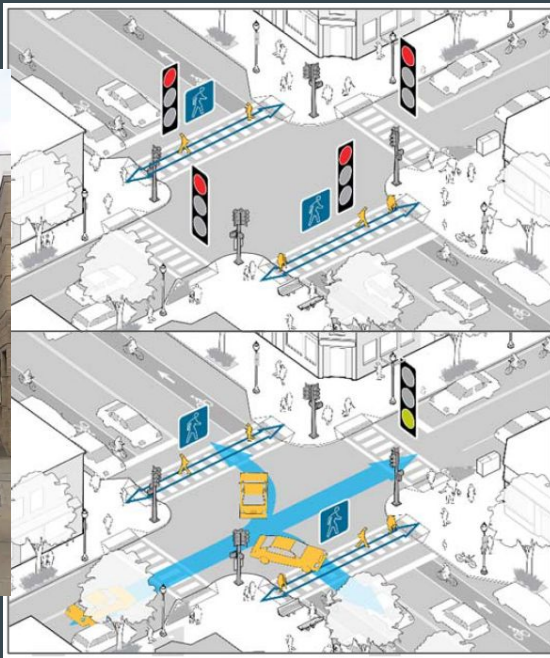
Speed Management:

- Analysis on urban core speed limits, citywide residential streets/collectors
- New program for residential streets/collectors



Updates on Initiatives

Leading Pedestrian Intervals



SFWEEKLY

News Dining Music Culture Film Things To Do Best of SF

NEWS

City Plans Changing Hundreds of Traffic Signals By 2020 To Help Reduce Pedestrian Deaths



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2019 ELECTION

EVENTS

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D

Doubling the Number of Leading Pedestrian Intervals

The City's primary pedestrian safety initiative, installing Leading Pedestrian Intervals (LPIs), which provide the walk signal an extra few seconds before a green light to give pedestrians a head start on drivers trying to occupy their space and possibly maim or slaughter them, will also see a continued ramp-up next year. There are currently close to 125 intersections with LPIs installed, and that will be doubled to 250 under the Seattle Department of Transportation's new goal.



Updates on Initiatives

Downtown Leading Pedestrian Interval Initiative

- Double the number of LPIs in Austin within the most pedestrian-dense environment
 - Phased approach
- Outreach
- Evaluation



Updates on Initiatives

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Texas Transportation Commission Approves State's 10-year Transportation Plan

[Texas Department of Transportation](#) > [Inside TxDOT](#) > [Media Center](#) > [Statewide News & Events](#)

Contact: Media Relations **Phone:** (512) 463-8700 **Date:** Aug. 29, 2019

AUSTIN – The Texas Transportation Commission approved TxDOT's 10-year transportation plan that includes more than \$77 billion dedicated to improving safety, addressing congestion and connectivity, and preserving roadways for Texas drivers.

The 10-year plan, called the [2020 Unified Transportation Program \(UTP\)](#), contains more than \$4 billion for safety improvements, including an extra \$600 million for the next two years to help accelerate even more safety measures in an effort to reduce crashes and eliminate fatalities from our roadways by 2050. Many of these improvements will widen roads; improve median barriers and bridges; upgrade guardrails; provide intersection improvements, such as upgraded traffic signals and signage; and make safety improvements for bicyclists and pedestrians.


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Updates on Initiatives

Increased Enforcement for FY20



CITY OF AUSTIN

FOR IMMEDIATE RELEASE
Release Date: Dec. 12, 2019
Contact: Contact: Public Information Office 512-974-5017 [Email](#)

HOLIDAY NO REFUSAL INITIATIVE DEC. 12 - JAN. 4

The Austin Police Department (APD) will be conducting a No Refusal Initiative from December 12, 2019 through January 4, 2020, in conjunction with normal weekend no refusal initiative. This initiative will be operational from 10 p.m. - 5 a.m. daily.


This initiative is an effort to enforce DWI laws, keep the public safe by encouraging drivers to make responsible decisions, and to apply for blood search warrants on suspects who refuse to provide a breath or blood specimen as required by law.

The holiday season is often associated with parties and gatherings in which alcohol is present. APD and the City of Austin Transportation Department are continuously focused on preventing lives from being lost on the streets, highways and waterways of Austin. We are dedicated to making roadways and waterways of Austin safe for residents and visitors through education and enforcement.


There is no excuse to drink and drive! Plan a [safe ride home](#).



2019: 1,800+ DWI arrests



[WATCH LIVE](#)
On Air 1155PM



APD's no refusal initiative begins for 2019 holiday season

APD kicks off 'No Refusal Initiative' for the 2019 holiday season

The initiative will be active from 10 p.m. to 5 a.m. daily through Jan. 4.

Author: Terrellyn Moffett (KVUE)
Published: 11:22 AM CST December 13, 2019
Updated: 11:22 AM CST December 13, 2019

AUSTIN, Texas — In an effort to enforce DWI laws, the [Austin Police Department](#) has officially kicked off its "No Refusal Initiative" this holiday season. The department said this time of year is often associated with parties and gatherings with alcohol.



Austin police to enforce No Refusal through January

By Elizabeth Evans | Published 5 days ago | Austin | FOX 7 Austin

AUSTIN, Texas - The Austin Police Department will be enforcing a No Refusal Initiative from now until January.

Latest News



Updates on Initiatives

Increased Enforcement for FY20

austin 3-1-1 SM

Services Home Request Service Status Ch

R Request a City Service

1 s **1 Select Service Type**

PI Please provide as much information as possible
All fields marked with a * are mandatory

Service Type: Bicycle Issues
Service Location: 301 W 2ND ST, AUSTIN, TX 78701

Service Information

What is the

**PARKING IN
A BIKE LANE
CAN BE
DEADLY.**

Keeping bike
lanes clear
makes our
streets safer
for all.



cricket LTE 10:27 AM 89%

Cancel Choose Service

PARKING ENFORCEMENT

Parking Violation

Cancel What is the Issue? Done

PROPERTY & C

ADA Violation

cricket LTE 10:28 AM 89%

< Parking Violation Submit

Add Photo

Use this service request to report a parking violation.

Location >

Description >

What is the Issue? Bike Lane >

If Other, please describe >



Updates on Initiatives

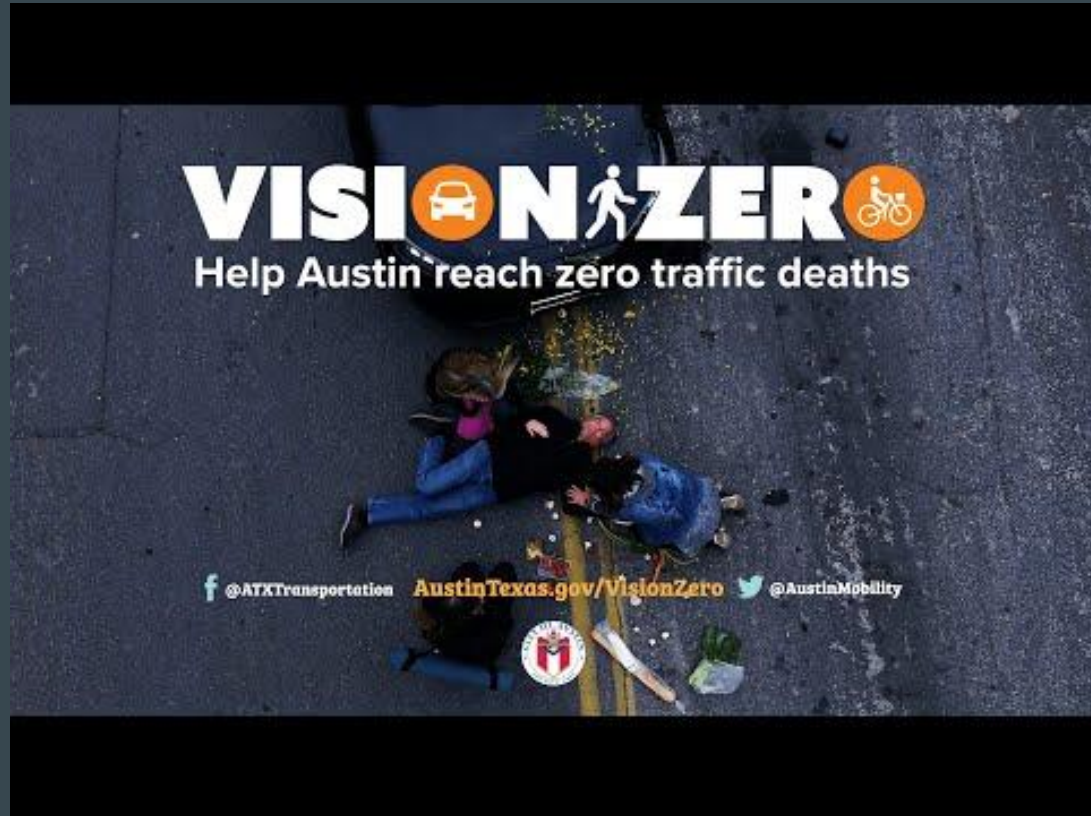
ATXN Videos on
four key behaviors:

Speeding

Failure to Yield

Impaired Driving

Distracted Driving



Updates on Initiatives

Fatality Review Board Progress

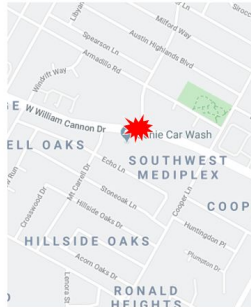
David Tienda

23 year old
Hispanic
Male

Fatal Crash #66

Crash information

Date	10/13/2019 (died 10/16/19)
Time	16:38
Location	1000 W. William Cannon Dr. (Wm. Cannon and Emerald Forest)
Units involved	Car / Pedestrian



David Tienda



CR-3 Narrative (summary):

- UNIT 1 WAS TRAVELING WEST ALONG THE 900 BLOCK OF WEST.
- UNIT 1 OBSERVED THE SIGNAL AND PROCEEDED TO ACCELERATE DOWN.
- UNIT 2 WAS CROSSING FROM T WILLIAM CANNON DRIVE AND NORTHEAST CORNER OF WILLIAM CANNON DRIVE.
- AS UNIT 2, WHO TRAVELS BY M PROCEEDED TO CROSS THE STR AND LEFT LANES WERE FORCED 2 CROSS.
- UNIT 1'S VIEW WAS BLOCKED BY MIDDLE AND LEFT LANES AS HE MPH'S, THROUGH THE INTERSE
- UNIT 1 STRUCK UNIT 2.

Other information

CR-3 contributing factors

Alcohol involved

Posted speed limit 40 mph

David Tienda

Fatal Crash #66



Map link

[1000 W. William Cannon Dr.
\(Wm. Cannon and Emerald Forest\)](#)

Who controls street?

City

High Injury Network?

Yes

Planned projects?

2016 Bond Corridor

VISION ZERO

VISION ZERO



Updates on Initiatives

Fatality Review Board Progress



Updates on Initiatives

Fatality Review Board Progress



Updates on Initiatives

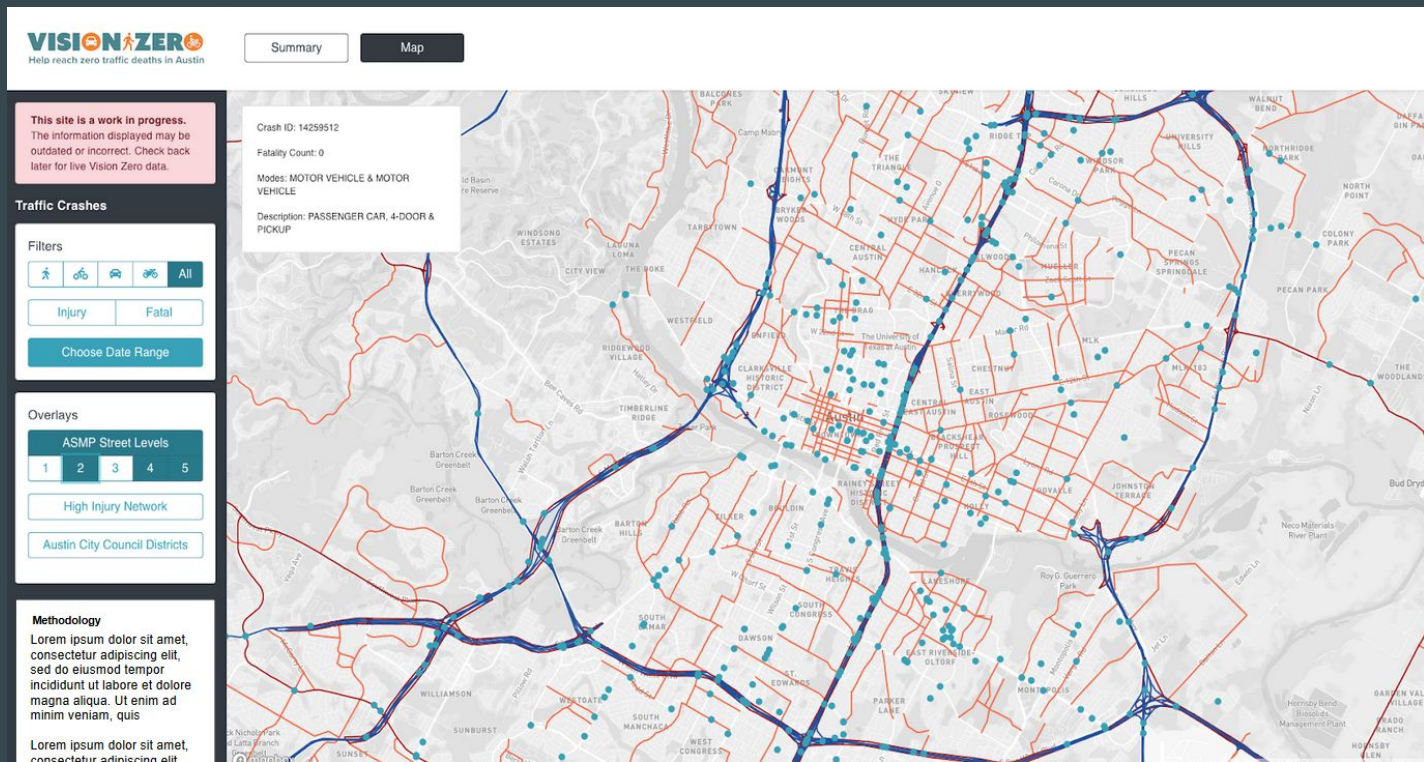
Crash Data and Analysis

- In-house database
- Geospatial file
- Comprehensive cost scale
- 2018 VZ Bond, Speed Management Program
- Focus segments
- Future infrastructure (including PHBs)

Updates on Initiatives

Vision Zero Viewer and Dashboard

-DRAFT-



Get Involved

LPI Survey - Qualitative Evaluation

- Surveying begins next week (Feb. 10-16) and we need volunteers
- Flexible times - sign up for the morning, lunch, or evening

Future street teams for VZ-related initiatives

- Daylight savings time
- Safe Ride Home promotion
- CapMetro initiatives

Promote awareness of VZ/safety culture - organizations/associations/social media/direct conversations

Please email david.gray@austintexas.gov if you are interested.

Questions / Comments

Lewis Leff

Transportation Safety Officer
Austin Transportation Department

Lewis.Leff@austintexas.gov