

Neighborhood Traffic Calming Program

Munson Avenue – College Station, TX



Kimley»Horn

Zoom Guidelines

- All participants begin as muted
- Ask questions in the chat box throughout presentation or at the end
- If you'd like to speak, use the "raise hand" button
- Open discussion and questions scheduled for the end



Meeting Overview

What is Traffic Calming?

Neighborhood Data

Traffic Calming Toolbox

Next Steps

Open Discussion



Fun Poll Question

What has been your favorite hobby of 2020?

- Taking walks / exercising
- Baking / cooking
- Reading books
- Watching TV/movies



What is Traffic Calming?

- Combination of mainly physical measures that:
 - Reduce the negative effects of motor vehicle use
 - Alter driver behavior
 - Improve conditions for non-motorized street users

[As defined by the Institute of Traffic Engineers (ITE)]

- Objective is ***to reduce the speed and volume of traffic*** to acceptable levels for increasing the safety of the roadway



Poll Question #1

How important is traffic calming on your street?

- Very important
- Moderately important
- Not important



Poll Question #2

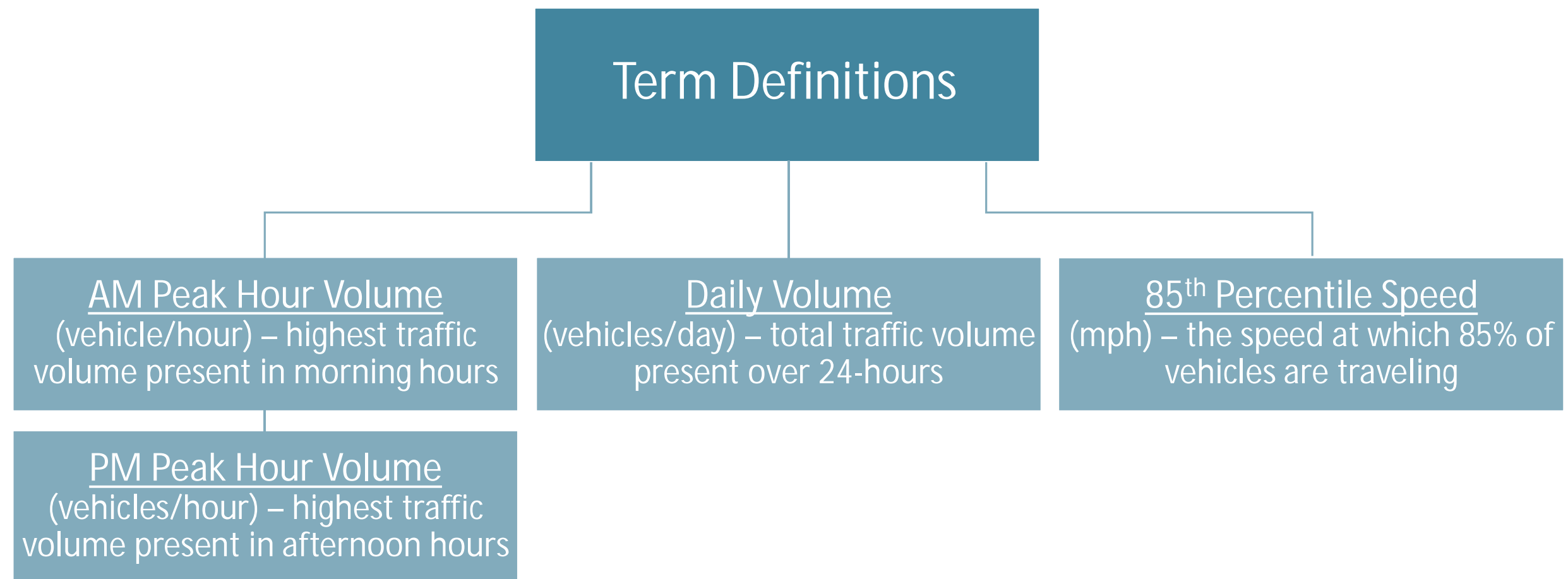
What is the biggest issue on your street?

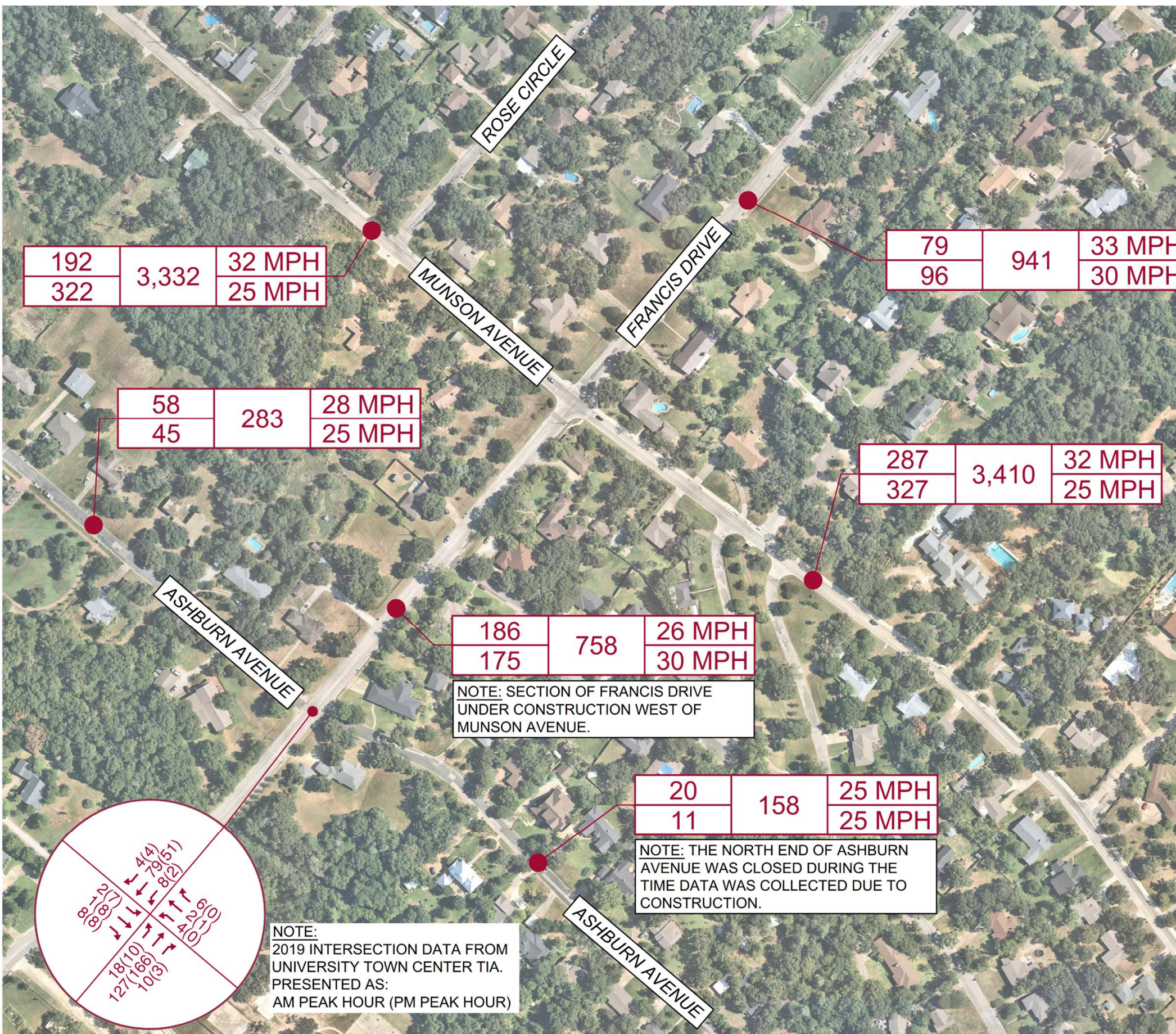
- Speeding
- Too many cars
- Inadequate sidewalks or bike lanes



Neighborhood Data

- 24-hour traffic counts and speed data collected





Munson Avenue

DATA LEGEND		
AM PEAK HOUR VOLUME (VEH/HOUR)	DAILY VOLUME (VEH/DAY)	85TH PERCENTILE SPEED
PM PEAK HOUR VOLUME (VEH/HOUR)		POSTED SPEED

*NOTE: IF SPEED LIMIT IS NOT POSTED, IT IS ASSUMED TO BE 25 MPH.

Poll Question #3

Based on the data presented, does your perception of the biggest issue on your street change?

- Yes
- No



Traffic Calming Toolbox

VISUAL

Speed
Feedback
Signs

Striping

HORIZONTAL

Traffic Circle

Chokers, Curb
extensions, or
bulb-outs

Lateral Shift

Raised Center
Median

Chicane

VERTICAL

Speed Humps

Closures

VISUAL





Speed Feedback Signs

- Alert drivers that they are speeding and create a sense of being monitored
- Sign feedback may be:
 - the driver's actual speed
 - a message such as "slow down"
 - activation of some warning device



Striping

- Can help reduce the driver's perceived width of the roadway
- Striping alternatives can consist of adding:
 - Centerline stripe
 - Edge lines
 - Striped median
 - Striped choker or chicane
 - Psycho-perceptive striping



Photo courtesy of VDOT

Striping

- Example of psycho-perceptive striping



HORIZONTAL





Traffic Circle

- Raised islands constructed at intersections
- Typically landscaped with ground cover, bushes, and trees
- Require drivers to slow at a speed that allows them to comfortably maneuver around them



Raised Center Median

- Constructed along the center of the street
- Typically landscaped with ground cover, bushes, and trees or paved with decorative pavers
- Create narrowed lanes and encourage motorists to slow through the narrow section



Chokers, Curb extensions, or Bulb-outs

- Street physically narrowed to expand sidewalks and landscaped areas at strategic locations
- Provide shorter pedestrian crossing distances
- Provide protection at the beginning of a parking lane



Chicane

- Series of two or more staggered curb extensions on alternating sides of the roadway
- Usually landscaped with ground cover, bushes, and trees
- Horizontal deflection encourages motorists to slow down
- Small raised island may be added



Lateral Shift

- A realignment of an otherwise straight street that causes travel lanes to shift in at least one direction
- Chicane is a form of a lateral shift

VERTICAL





Speed Humps

- An elongated mound in the roadway pavement surface extending across the travel way at a right angle to the traffic flow
- Encourages the motorist to slow down both upstream, downstream and over the hump
- Not permitted on specified emergency routes



Closures

- Half or full road closures can be considered
- Done by installing physical barriers that either cut off one or both directions of traffic
- Full-street closures usually leave open space for pedestrians and bicyclists
- Sometimes called cul-de-sacs, dead-ends, or mini-parks

Poll Question #4

Based on the toolbox, what type of traffic calming measure do you think is appropriate for your neighborhood?

- Visual
- Horizontal
- Vertical



Next Steps

Finalize the working group

- 5-15 residents
- Volunteers: David Brochu, Van Nao, Suzanne Droleskey, Gary Halter, Susan Allen, Kevin Brightwell, Daniel Menchaca, Hilary Keblis, Sean Mcguire, etc.

Meeting #1

- Establish responsibilities of working group
- Review and discuss traffic data, toolbox measures, feedback
- Identify potential solutions

Meeting #2

- Review preliminary design options

Meeting #3

- Host an open house to receive feedback on concept
- Approval of preferred concept

Open Discussion / Questions

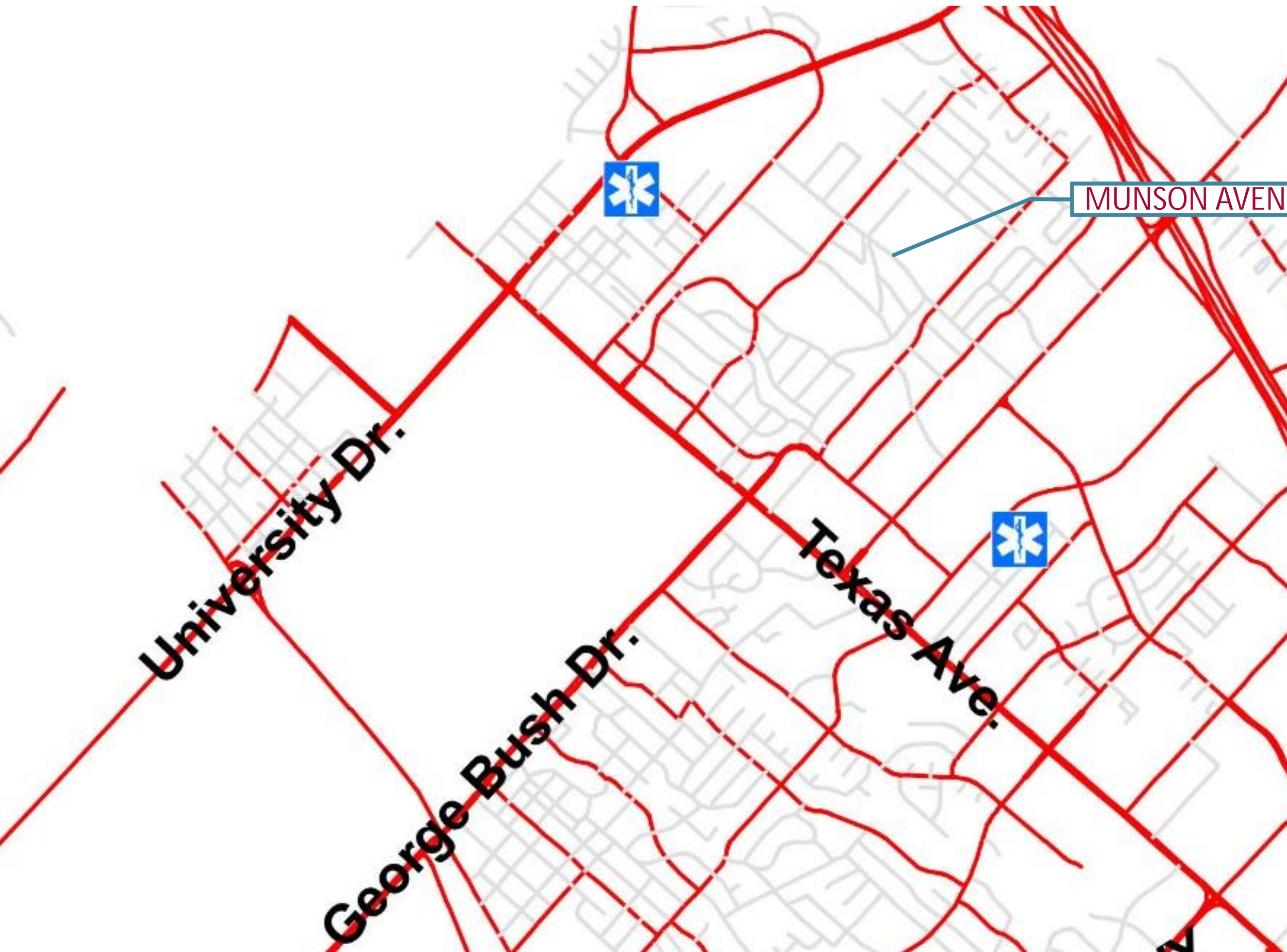
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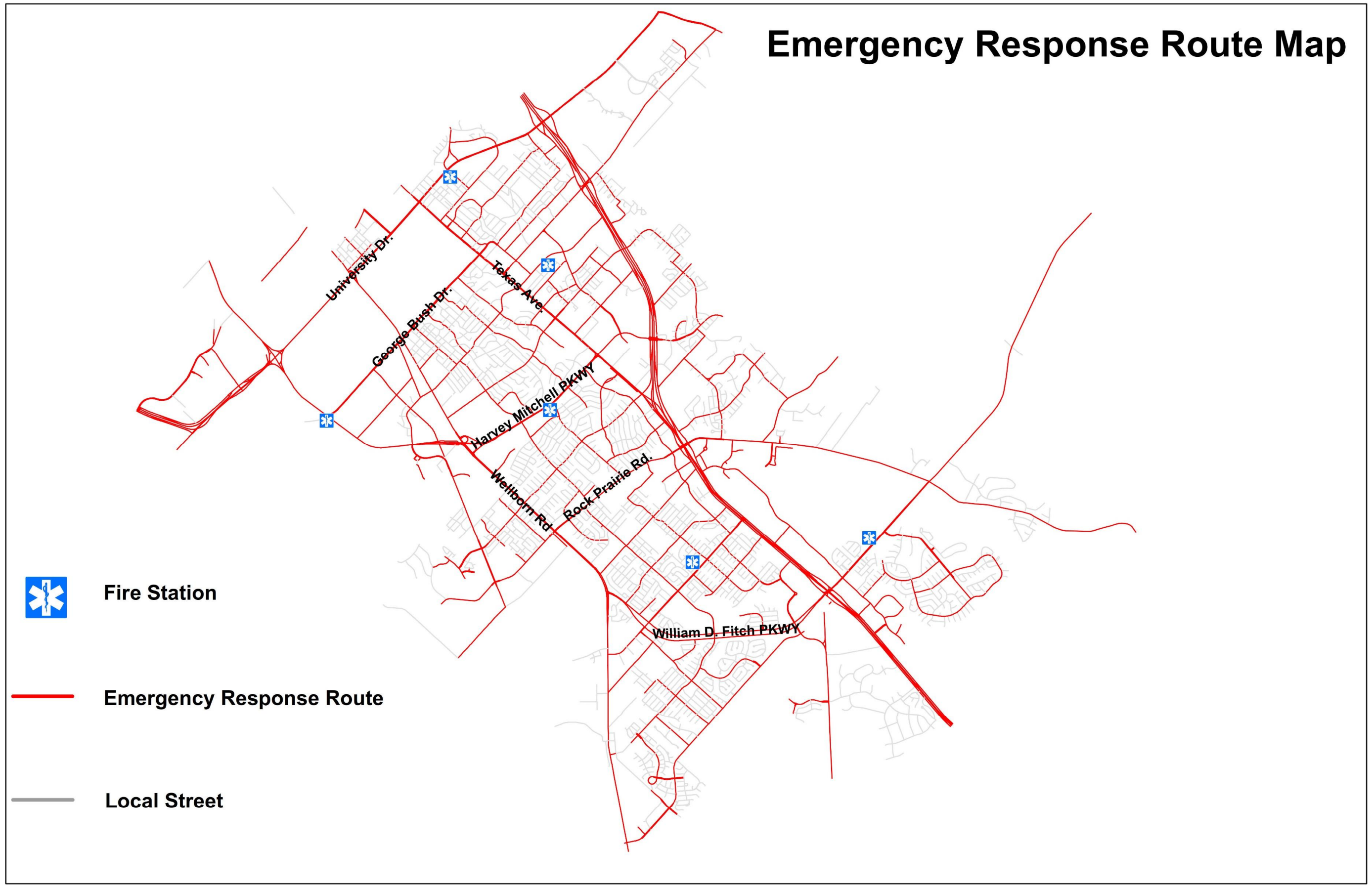
Jeff Whitacre, P.E. – Kimley-Horn

Allison Adams, P.E. – Kimley-Horn





Emergency Response Route Map



Fire Station



Emergency Response Route



Local Street

University Dr.

George Bush Dr.

Texas Ave.

Harvey Mitchell PKWY

Wellborn Rd.

Rock Prairie Rd.

William D. Fitch PKWY