

# **Autonomous Vehicles in the City of Austin**

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## **Autonomous Vehicle Operation Phases**

### Mapping

- The vehicle is driven by a person across the intended area of operations, collecting data.
- Compiled into a detailed map.

### Testing

- The vehicle drives itself in AV mode.
- A safety driver may be present in tests as a precaution.

### Deployment

Vehicle
 accepts
 commercial
 passengers
 and operates
 on the
 roadway, fully
 autonomous.



### **AV Safety Working Group Communication**











Austin-Bergstrom International Airport



#### Transportation and Public Works Department

SPORTATION P.O. BI

P.O. Box 1088 Austin, TX 78767 512-974-1150

#### Howdy and Welcome to Austin!

#### State of Texas AV Regulations

In **Texas**, cities **CANNOT** regulate or permit autonomous vehicles (see <u>Texas Transportation Code</u> <u>545.452</u> for more information).

#### Working with the City of Austin

- Provide a vehicle and expert to a public safety site and review vehicle specifications, law enforcement engagement plan, answer questions from first responders.
- Please provide enough vehicle specifications for public safety to rely on if they must move, cut the vehicle, or perform fire suppression actions on vehicle. All information is subject to the Public Information Act, but the City will do its best to protect information marked "confidential."
- 24/7 Contact information for emergencies and a point of contact for the AV Working Group to resolve specific issues.
- Point of contact and method to establish exclusion zones that prevent AVs from entering the area for planned events and emergencies.
- AVs cannot block the ingress and egress from fire stations, police stations, EMS stations or medical centers. We will provide you with a list and map, please ensure vehicles do not stop in those areas.
- Provide a Law Enforcement Engagement Plan.
- An AV can be cited if it is violating traffic laws.
- The City requests that AV companies share any collision or incident reports so that we can
  better reduce risk.

The City is NOT LIABLE for any damage to autonomous vehicles that occurs as part of clearing the right of way.

#### **Good Neighbor & Community Expectations**

- Operate safely, obey traffic laws, and ensure the safety of pedestrians and property.
- Do not impede traffic, block entrances or exits, ignore traffic instructions, or go into nonvehicle zones, including bicycle lanes.
- · Provide any specific towing instructions.
- · Be responsive to incidents, City communications, and resident issues.

Have Questions? Want to connect?

Email: COAAVWorkingGroup@austintexas.gov



## **Preparedness & Training**

Companies offer trainings for Fire, EMS, and Police first responders, including:

- Engaging with the vehicle such as switching it to 'manual mode'.
- Electric and battery system safety concerns.
- Towing, moving, and use of life-saving equipment (e.g., jaws of life).
- Contacting remote assistance.





#### Geofences

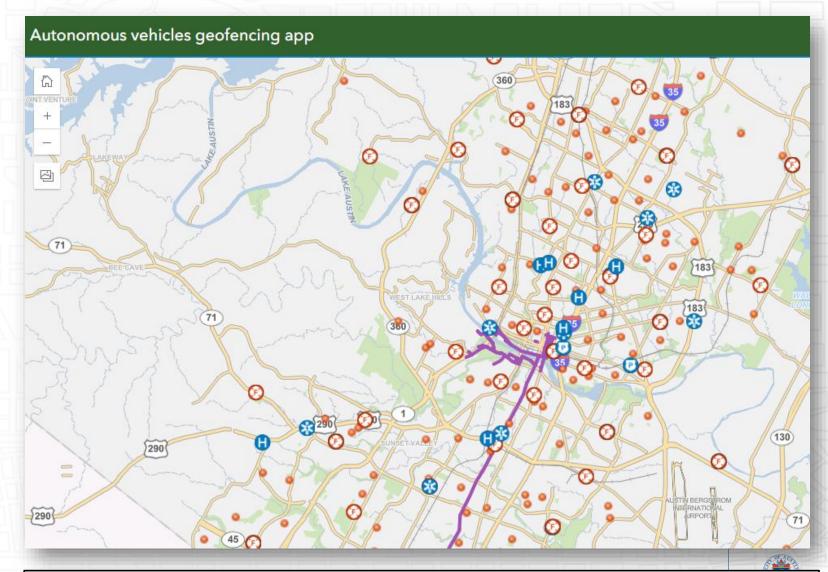
# **Critical Infrastructure & Events**

- Hospitals
- Fire Stations
- EMS Stations
- Police Stations
- Special Events
- Schools & School Zones

#### **Emergencies**

An email is **automatically** sent from our Computer-Aided Dispatch system.

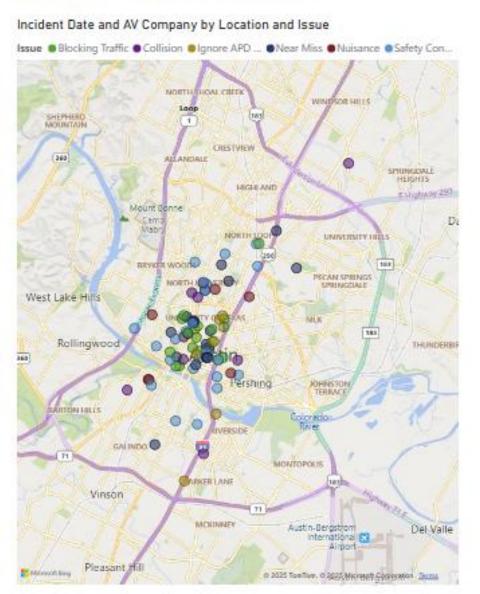
Our expectation is an exclusion zone of 1,000 feet for one hour.



From -AFD -1Alarm /BOXL- Structure Fire | RAP -00-2202 @2425 E Riverside Dr , AUSTIN | XStreets:WILLOW CREEK DR TO RIVERSIDE TRN/E RIVERSIDE | On -AT FCOM S | Time:20:08:38 | Inc#23163009 | For -FTAC201,BAT04,ENG06,ENG22,ENG07,LAD22 Lat: 30235340 Lon: 97724702

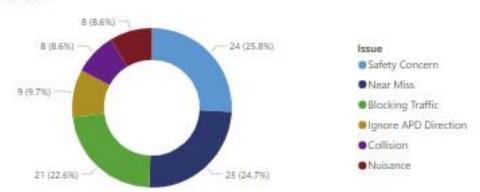
### **Our Communication to the Public**

#### **Documented Incidents**





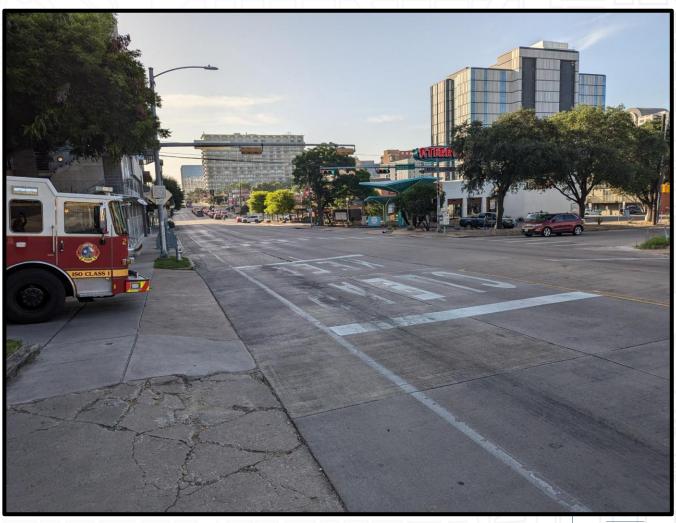
#### Incidents by Type





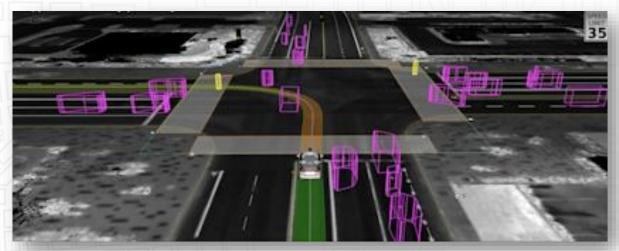
# **Infrastructure Improvements**





### **Communication from AV Companies**

- Updates on operational status (fleet size, ODD, speed)
- Clarification for laws and processes
- Issues with infrastructure that the City can mitigate
- Public Safety Training
- Published Statistics

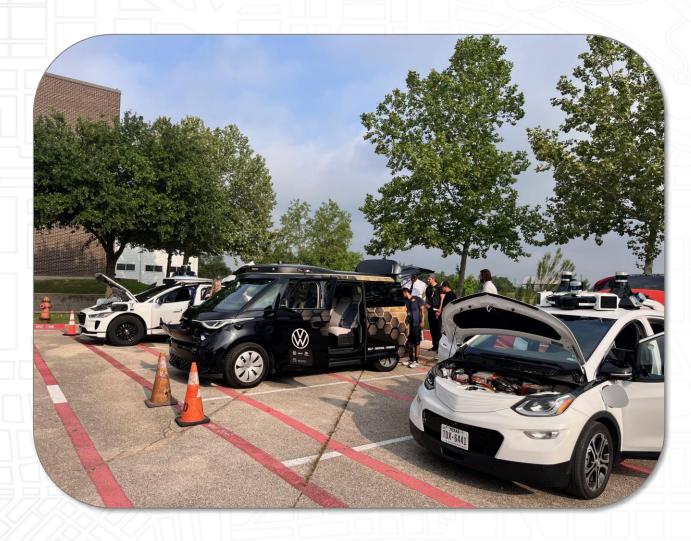




Courtesy of Waymo



## Thank you!



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Check out our website and dashboard!

