



# TRANSPORTATION PUBLIC WORKS

**Autonomous Vehicles**  
**January 10, 2024**



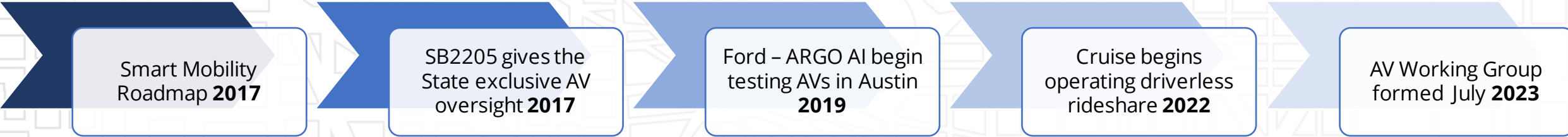
TRANSPORTATION  
PUBLIC WORKS

**Transportation Code Section 545.452** EXCLUSIVE  
REGULATION OF THE OPERATION OF AUTOMATED  
MOTOR VEHICLES AND AUTOMATED DRIVING SYSTEMS.

(b) A political subdivision of this state or a state agency may not impose a franchise or other regulation related to the operation of an automated motor vehicle or automated driving system.

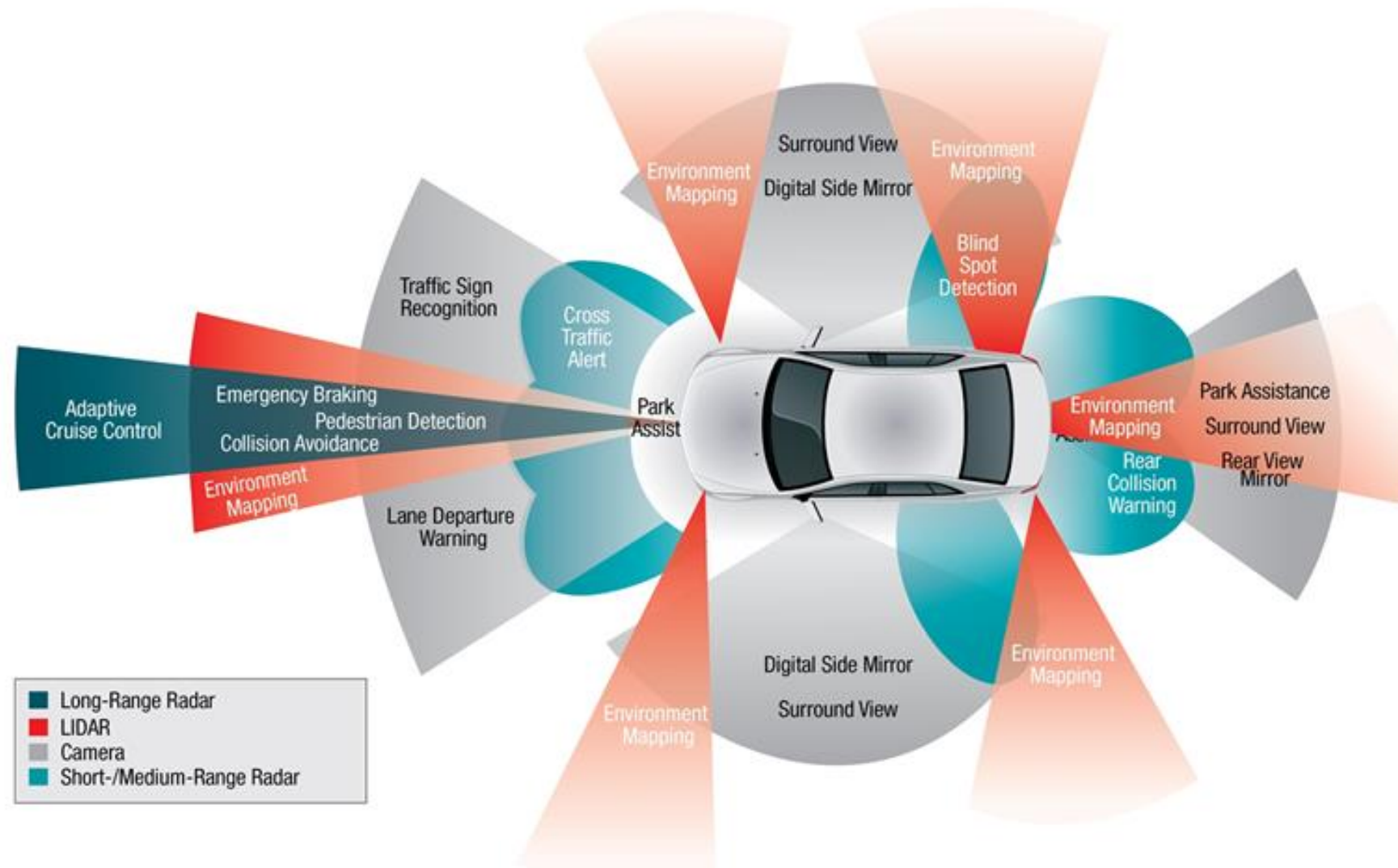
**Bottom Line: As a City, we cannot regulate or permit AVs.**

# Our History With AVs



*As AV demonstrations and discussions are occurring across the nation, City officials are cooperating with other cities, industry, research and government experts to develop best policies and practices for our region.*





## The Tech

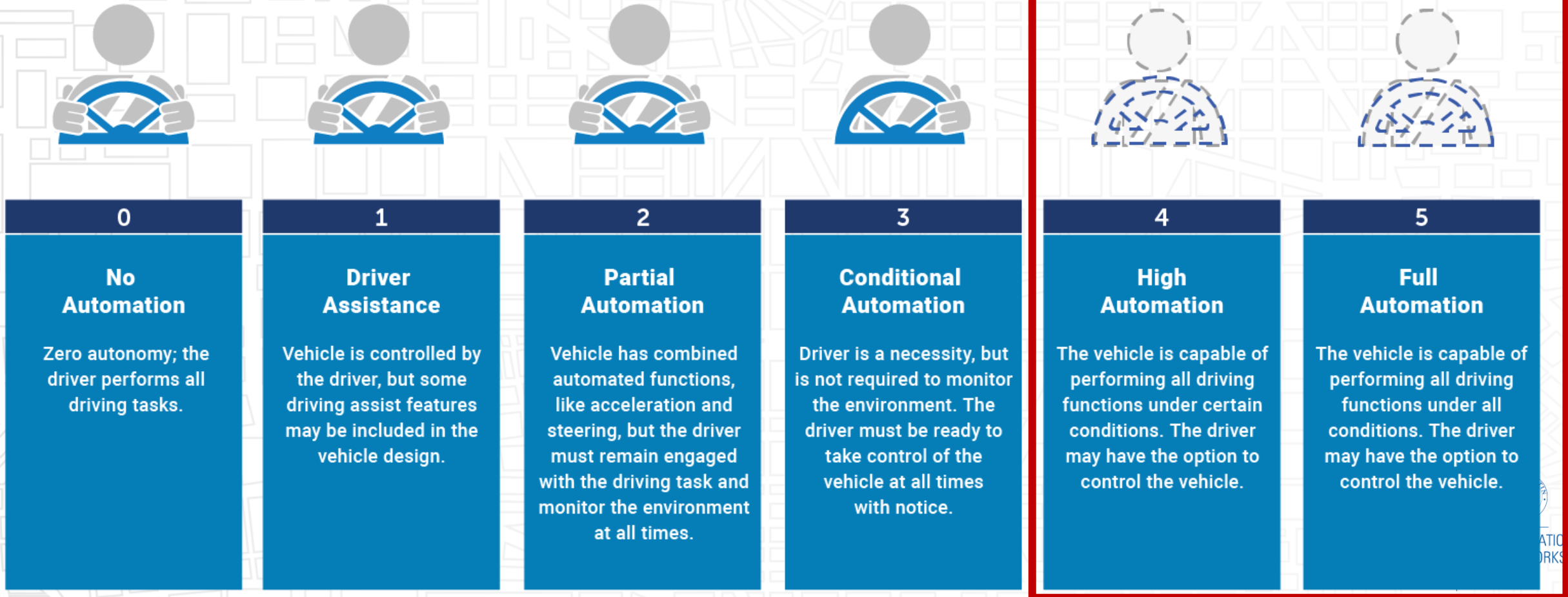
**RADAR** – detect and track moving objects

**LiDAR** – 3D environment map, detects obstacles

**Camera** – detailed information – visuals on traffic signs

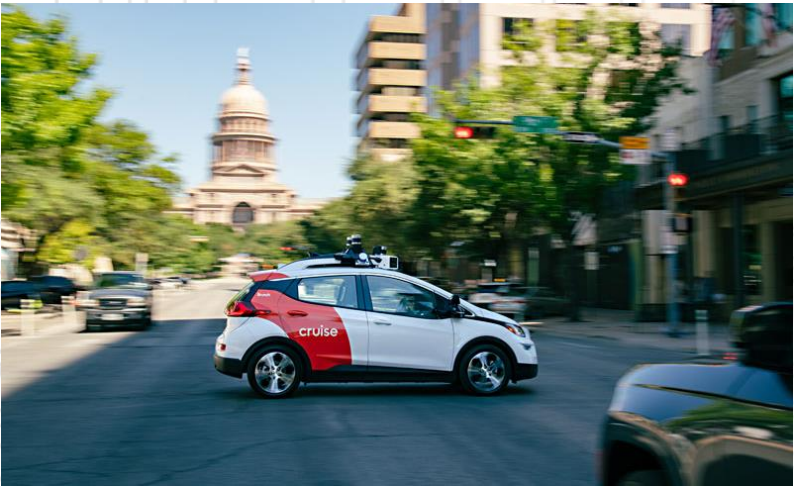
# Automation Levels

SOCIETY OF AUTOMOTIVE ENGINEERS (SAE) AUTOMATION LEVELS



# AV Companies Currently Deployed & Estimated Fleet Size

Company	Number	Status	Model
Cruise	Not currently operating in Austin		
Waymo	25	Includes Test Drivers	Jaguar I-PACE
ADMT (Volkswagen)	10	Includes Test Drivers	VW ID Buzz (European model)
AV Ride	4	Includes Test Drivers	Hyundai Sonata & Ioniq



Data current as of 11/30/23



# AV Safety Working Group



Even though the City cannot regulate AVs, the City has been proactive by establishing the AV Safety Working Group to:

- Prepare and train for incidents
- Collect data and standardize documentation
- Facilitate Communication



# AV Safety Working Group

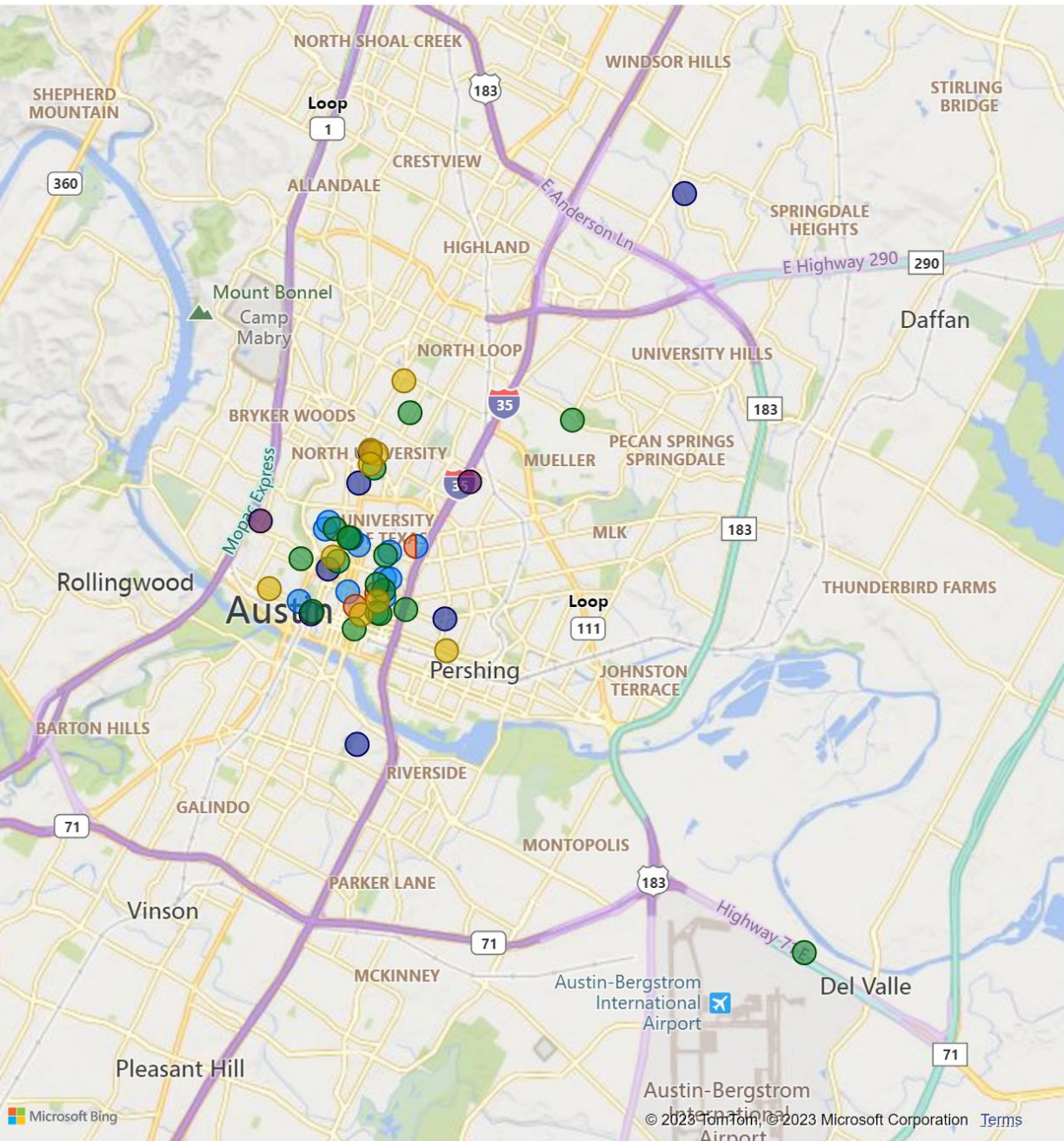
- Creates a single group to communicate about incidents, communicate with AV companies, create procedures, and share data.
- Develop expectations around AV deployment and communication.
- Bring in all public safety departments for trainings and include Texas DPS and UT Police.
- Gather data and analyze it to determine “hot spots” and frequent issues. Communicate with AV companies to identify remedies.





Location and Issue

**Issue**   ● Blocking Traffic   ● Collision   ● Ignore APD Direction   ● Near Miss   ● Nuisance   ● Safety Concern



Count of Feedback by Type and Issue

