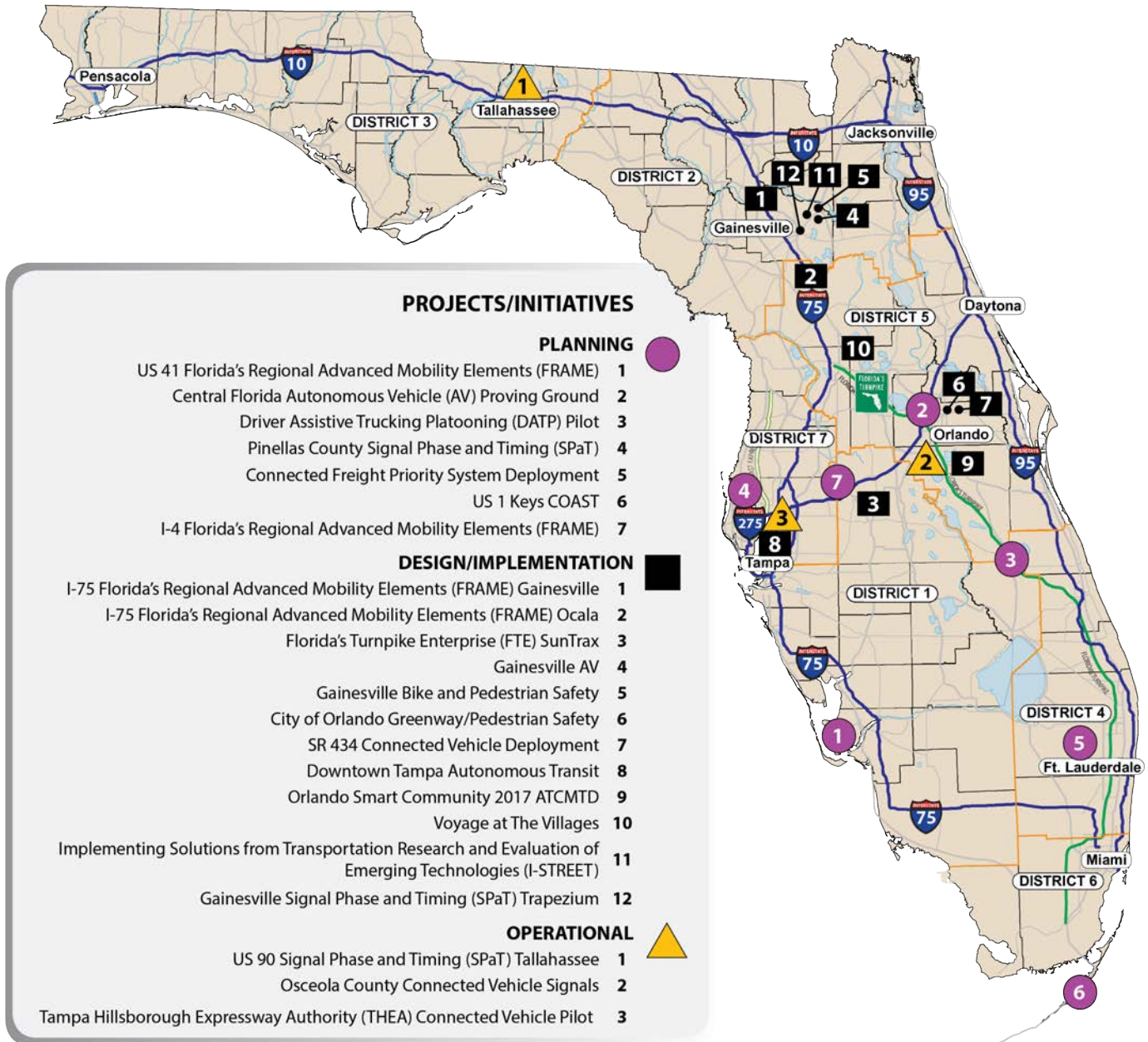


Connected and Automated Vehicles



Source: FDOT Connected Vehicle Initiative



Connected Vehicles (CV) use vehicle-to-vehicle, vehicle-to-infrastructure, and infrastructure-to-vehicle communication to exchange information between vehicles, drivers, the roadside, bicyclists and pedestrians. **Autonomous Vehicles (AV)** are vehicles equipped with advanced sensors and computing abilities to perceive surroundings and activate steering, braking, and acceleration actions without operator input.



The Connected and Automated Vehicles (CAV) Program at the Florida Department of Transportation (FDOT)

is aiming toward aggressive safety improvements with a focus on Vision Zero; significant mobility advancements with a focus on multimodal transportation systems and all road users; and visible economic development achievements with a focus on industry partnerships and technology deployments. FDOT's Central and District Offices, planning and implementation stakeholders, industry entities, and university partners are aggressively supporting the deployment of the CAV Program to achieve near-term and sustainable safety, mobility, and economic development (SME) benefits. FDOT has started planning, designing, and deploying several CAV pilot projects and is also engaging with private-sector companies that are developing, testing, and implementing CAV technologies and applications.

FDOT has developed a CAV Business Plan in order to establish an institutionalized framework and target schedule to aggressively move the CAV Program from research and pilot projects into statewide deployment using expedited planning and outcome-centric SME goals.

2019 - 2020
Early
Implementation



2021 +
Full-Scale
Implementation



94%

of serious crashes are
due to human error

Source: National Highway Traffic Safety Administration



\$1,348

annual cost of
congestion per driver
in the U.S.

Source: INRIX 2018 Global Traffic Scorecard

www.fdot.gov/traffic/ITS/Projects-Deploy/CV/Connected-Vehicles.shtm



SunTrax Facility