

Project Readiness Matrix

Technology/System	Readiness of Keys COAST Implementation
Statewide ITS Architecture (SITSA)	SITSA currently being upgraded for ARC-IT: <a href="http://www.consystem.com/florida/default.htm">http://www.consystem.com/florida/default.htm</a>
District 6 Regional ITS Architecture	District 6 Regional ITS Architecture (RITSA) will be upgraded subsequently after SITSA upgrade. Current RITSA is at: <a href="http://www.consystem.com/florida/d46/web/index.htm">http://www.consystem.com/florida/d46/web/index.htm</a>
Concept of Operations DRAFT	First DRAFT is complete. See supporting documentation. <a href="https://sunguide.info/connected-vehicles/2019-infra-grant/">https://sunguide.info/connected-vehicles/2019-infra-grant/</a>
Project Systems Engineering and Management Plan (PSEMP) DRAFT	First DRAFT is complete. See supporting documentation. <a href="https://sunguide.info/connected-vehicles/2019-infra-grant/">https://sunguide.info/connected-vehicles/2019-infra-grant/</a>
Field Review and Dedicated Short-Range Communications (DSRC) Line of Sight Analysis	Complete. See supporting documentation. <a href="https://sunguide.info/connected-vehicles/2019-infra-grant/">https://sunguide.info/connected-vehicles/2019-infra-grant/</a>
Stakeholder Coordination	Significantly complete. See section 3. Project Parties Matrix.
Traffic Signal Controller Upgrades	Significantly complete. McCain Central System Software (Transparity) upgrade complete.
RTMC Upgrades	Storage Area Network (SAN) upgrade and additional server addition is underway for CAV and ATSPM data.
Lane Detection	CCTV on mast arms. Existing pavement detection on side streets and all critical movements. Adding additional mainline detectors as part of COAST project for ATSPM.
Communications Backup	Currently all project 50 elements are connected with existing cellular communications. Deployment of Statewide ITS Communications Network (SICN) backhaul along Florida Keys is ongoing.
ITS Deployment	Existing ITS technology and corridor is remotely monitored at the District 6 SunGuide Center RTMC.
Traffic Signal Operations and Maintenance	FDOT owns and maintains the traffic signals and other traffic control elements in the project corridor.
SunGuide Central System Software	FDOT SunGuide system is fully implemented and has CV Module inbuilt. <a href="https://www.fdot.gov/traffic/its/projects-arch/sunguide.shtm">https://www.fdot.gov/traffic/its/projects-arch/sunguide.shtm</a>
RTMC Operations	RTMC at District 6 SunGuide Center is 24x7x365. The RTMC staff is fully trained in the arterial operations as well as a standard operating procedure (SOP) is being developed to manage and operate arterial corridor with ATSPM and CV data.
Environmental Permits and Readiness	The project qualifies for NEPA Categorical Exclusion 1. See letter from the District EMO office in the supporting documentation.
CAV Procurement Process	FDOT used various innovative processes to procure CAV projects and will bring in best practices from these projects to be used in COAST project. One such process is after shortlist, preform field demonstration of the application requested in the project.
Lessons Learned from other Pilot Projects	The project will apply lessons learned from various pilot projects from the state including the USDOT's Tampa Hillsborough Expressway Authority (THEA) CV Pilot. Statewide CV projects can be found here: <a href="https://www.fdot.gov/traffic/its/projects-deploy/cv/connected-vehicles.shtm">https://www.fdot.gov/traffic/its/projects-deploy/cv/connected-vehicles.shtm</a>