



RETREAT AGENDA

TRANSPORTATION DATA MANAGEMENT CRTPA REPORTING AND DASHBOARD

STATEMENT OF ISSUE

The CRTPA employs the Urban SDK Transportation Data Management platform to gather, analyze, and visualize traffic conditions and reporting. Through systematic data collection and analytics the platform provides vital safety information, supports policy initiatives and facilitates efficient decision-making. Key features developed for the CRTPA Region include a customized [public-facing dashboard](#), regular reporting on traffic conditions and customized reports on key segments of major corridors and school zones.

BACKGROUND

Data analytics is an important tool in transportation planning. Mapping tools and transportation-specific data can visually and objectively convey trends. CRTPA has employed the Urban SDK software using a GIS platform to collect, verify, and analyze safety and speeding data.

The CRTPA's customized dashboard provides data on the following metrics:

- Crash Data - generalized information including location for the most recent full year of data (currently 2024) for each county and the Capital Region.
- Speed Data - for the following select, high volume corridors:
 - **Thomasville Road:** US27/N Monroe Street to Metropolitan Blvd.
 - **Thomasville Road:** Metropolitan Blvd. to Bradfordville Road
 - **Apalachee Parkway:** US27/Monroe Street to Capital Circle SE
 - **US27/N Monroe Street:** Tennessee Street to I-10
 - **US27/S Monroe Street:** Tennessee Street to Orange Avenue
 - **US90/Tennessee Street:** US27/N Monroe Street to Magnolia Drive
 - **US90/Mahan Drive:** US27/Magnolia Drive to Capital Circle NE

Through automated reporting, data is collected on average speed, traffic volumes and travel time reliability. Additionally, data on crash locations and types from Signal 4 is imported and also reported on the CRTPA Dashboard. This information provides the CRTPA, and local agency and law enforcement partners with information to make efficient and data-driven decisions.

The Tallahassee Police Department and the Leon County Sheriff's Office utilize the platform to follow up on neighborhood complaints regarding speeding and monitor peak speed violation times and locations. At times, these complaints prove to be more of a perception problem and at other times there is basis for concern and remediation. Through the use of the platform law enforcement efficiently gather data to respond to citizens' complaints and effectively allocate officers to areas where speed enforcement is critical.

Customized mobility analytics and data visualization is a key feature of the software platform. The Urban SDK platform offers an on-demand repository of data that can be accessed and visually presented. Staff can create, share, and save custom reports.