CHAPTER 1

EXECUTIVE SUMMARY

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The Florida Department of Transportation's (FDOT) Roadway Characteristics Inventory (RCI) Handbook has been developed as a guide for personnel responsible for performing business functions that maintain the strategic development and planning of transportation data for the Department and the system of record commonly referred to as RCI. This resource describes how the RCI supports the business data requirements and users of the system, documents the processes for establishing and managing the location of roadway assets and multimodal travel ways, describes how to collect data and the related features and characteristics of those roadway assets and multimodal travel ways, lists the data governance of RCI features and characteristics data collection, and provides the data quality management processes that maintain the integrity of the data management system. The Transportation Data and Analytics (TDA) Office is responsible for the maintenance of this handbook and coordinates changes with other offices. This handbook is used by the FDOT personnel in the District and Central Offices who perform data collection in the field and in the office.

The transportation data collected and stored in the RCI system is integrated into FDOT enterprise systems, which are used for state accountability purposes, transportation funding, project programming and prioritization, strategic planning, network analysis, data analysis, performance and condition reports, and state and federal reporting with the intent to ensure the FDOT provides reliable, organized, accurate, and timely data for data distribution to internal and external users.

Keywords: *FDOT, RCI, Highway Performance Monitoring System (HPMS), Roadways, Functional Classification, Straight Line Diagram (SLD), Quality Management, Transportation Technology, Multimodal, Designations, Linear Referencing System (LRS), Office of Operational Technology (OOT), Building Information Management (BIM), Reliable Organized Accurate Data Sharing (ROADS)*