INTRODUCTION

This handbook identifies and defines the data found in the Roadway Characteristics Inventory (RCI). This handbook also provides basic guidelines and considerations to assist the RCI data collector. The features and characteristics in RCI reflect the roadway data of interest to the Florida Department of Transportation.

Data in RCI is organized by features and characteristics.

Features are a collection of characteristics. They group similar characteristics together. An example is Feature 215 Median. Within Feature 215, there are three characteristics, MDBARTYP, MEDWIDTH, and RDMEDIAN. All three characteristics deal with medians and are therefore grouped together. Features assign unique aspects to their characteristic(s). For instance, Feature 215’s type is length, therefore all of its characteristics are length also. Whatever the feature’s type is, the characteristic(s) will be also. Similarly, features pass on other attributes like administrative type, classification, owning office, road side, interlocking, and tying. These attributes are fully explained in the RCI User Manual.

Characteristics are the actual data component of RCI and each one is specifically created for a certain purpose. Characteristics issue specifications for data collection. Using Feature 215 as an example again, MEDWIDTH stands for median width. Its measurement unit is in feet. That means all measurements must be collected in feet. There are also minimum and maximum values that must be met in order to code the data into RCI. Other attributes include roadside, offset, offset direction, data type, data length, and number of decimals, anchoring, and multiples. These attributes are fully explained in the RCI User Manual.

Features are assigned to owning offices. Each owning office manages and is responsible for their feature(s). These are the owning offices:

- Office of Maintenance (Maintenance)
- Rail and Motor Carrier Operations Office (Rail)
- Traffic Engineering and Operations Office (Traffic Ops)
- Transportation Statistics Office (TranStat)
- Systems Planning Office (Systems Planning)
- Roadway Design Office (Roadway) *TBD

FEATURE DESCRIPTIONS

**Feature 111 State Road System** – Records the limits of designation of the state road (SR) number, the secondary SR number, or county road (CR) number and secondary CR number on the roadway.

**Feature 112 Federal System** – Records the limits of designation of the federal highway system code, National Highway System (NHS) connector ID, old federal highway system, special systems, Strategic Highway Network (STRAHNET), and Moving Ahead for Progress in the 21st Century Act (MAP-21) on the roadway.

**Feature 113 AASHTO** – Records the limits of designation of the US route number, secondary US route number and interstate route on the roadway.

**Feature 114 Local System** – Records the limits of the local names of along the roadway.

**Feature 115 Special Designations** – Records the Florida scenic highway roadway names with designation and extension information.

**Feature 116 Freight Network** – Records the roadway ID, NHFN codes (subsystem of NHFN roadway network), BMP and EMP for the roadways assigned as a part of National Highway Freight Network.

**Feature 118 HPMS** – Records the data from the sample portion of the annual Highway Performance Monitoring System (HPMS) submittal to the Federal Highway Administration (FHWA).

**Feature 119 HPMS Universe** – Records the data from the universe portion of the annual HPMS submittal to the FHWA.

**Feature 120 TypeRoad** – Records the limits of the route signing along the roadway and if the roadway is divided, undivided, or oneway.