District One Regional Model v2.1 - Interim Update

The District One Regional Planning Model (D1RPM) version 2.1 (released on 6.19.23) is a Florida Standard Urban Transportation Model Structure (FSUTMS), four-step, trip-based model. Developed with CUBE/Voyager v6.4.2 transportation planning software. This model includes all of FDOT District One's twelve counties: Charlotte, Collier, Desoto, Glades, Hardee, Hendry, Highlands, Lee, Manatee, Okeechobee, Polk, and Sarasota. A few traffic analysis zones (TAZs) in Osceola County near I-4 are also included.

The D1RPM v2.1 consists of a base year of 2015, existing plus committed (E+C) year of 2024, and forecast year of 2045. Some of the key model changes include:

- Network revisions as requested by MPO/TPOs.
- Revisions associated with various District PD&E studies performed.
- Network revisions associated with updating the E+C year from 2023 to 2024.
- Correction of any errors/discrepancies found.
- Updated ZONEDATA to incorporate missing Mobile Home Park data.
- 2045 ZONEDATA changes as requested by MPO/TPOs.
- Hotel/Motel data revisions.
- Various employment data revisions.
- External station refinements (NE Polk) based on updated CFRPM7 model.

There is more detailed documentation of these and other changes included in the DOC model folder.

- Model Version Number: **2.1**
- Date of Model Completion: **6/15/2023**
- Key Differences Compared to Previous Model Version: **Interim model update -- Update E+C Network from 2023 to 2024. Revisions/corrections to SE data and network for 2015, 2024, and 2045, as documented in the DOC model folder.**
- Base Year (validation year of model): **2015**
- Horizon Year: **2045**
- Model Type: **Four-step**
- Time of Day: **Multiple periods**
- Description of Time Periods (if multiple periods): **AM, MD, PM, NT**
- Software Version Used for Model Development: **Cube version 6.4.2**
- Estimated Run Time (if extraordinary): **5 to 15 hours**

- Special Installation Instructions: **Assigned volumes are in AADT. Links coded with LRTP_KEY=99 are deleted during Network step.**