Model Task Force: A Look Back

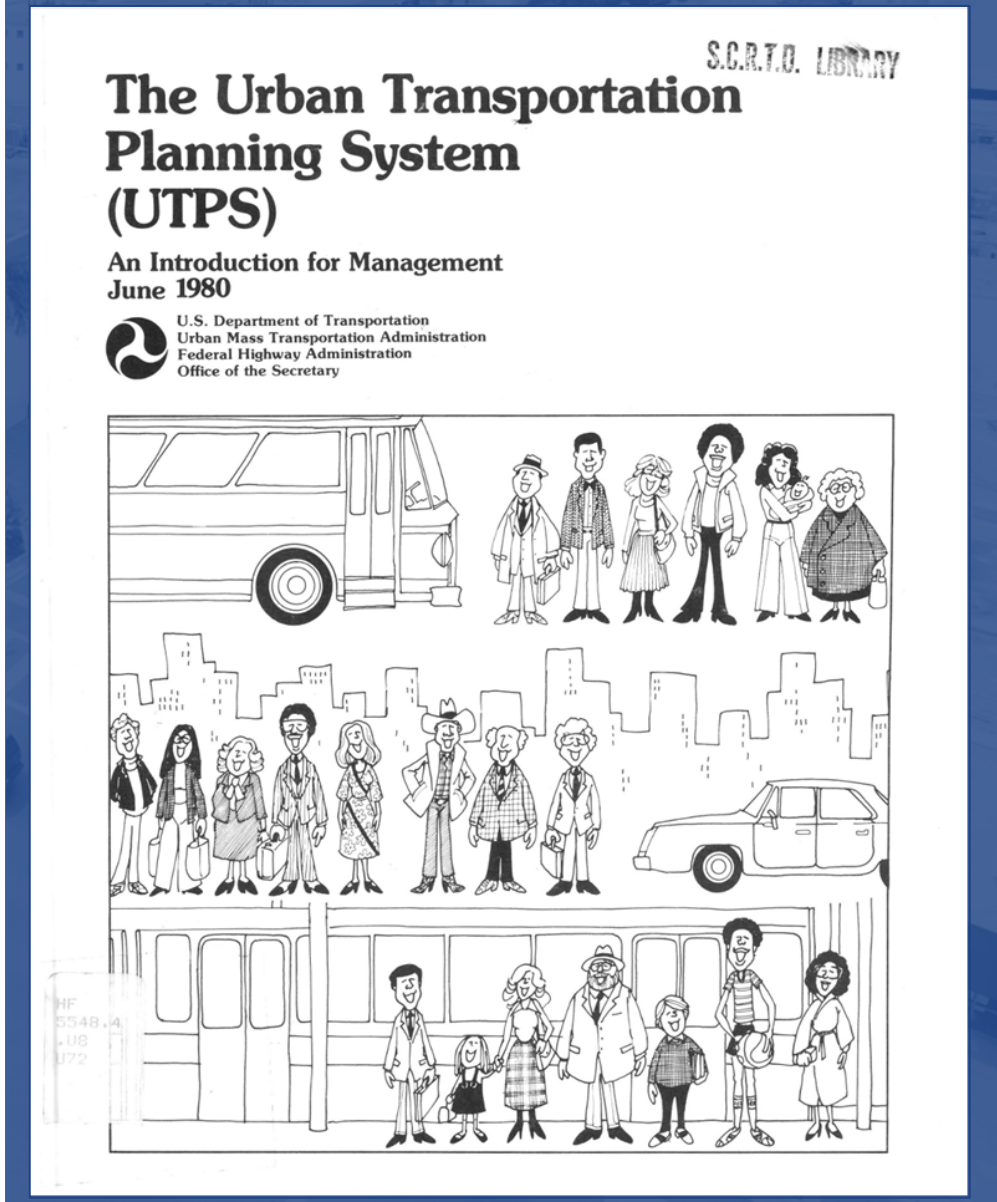
Terry Corkery, FDOT

FLORIDA MODEL TASK FORCE | FDOT

Early 1970s

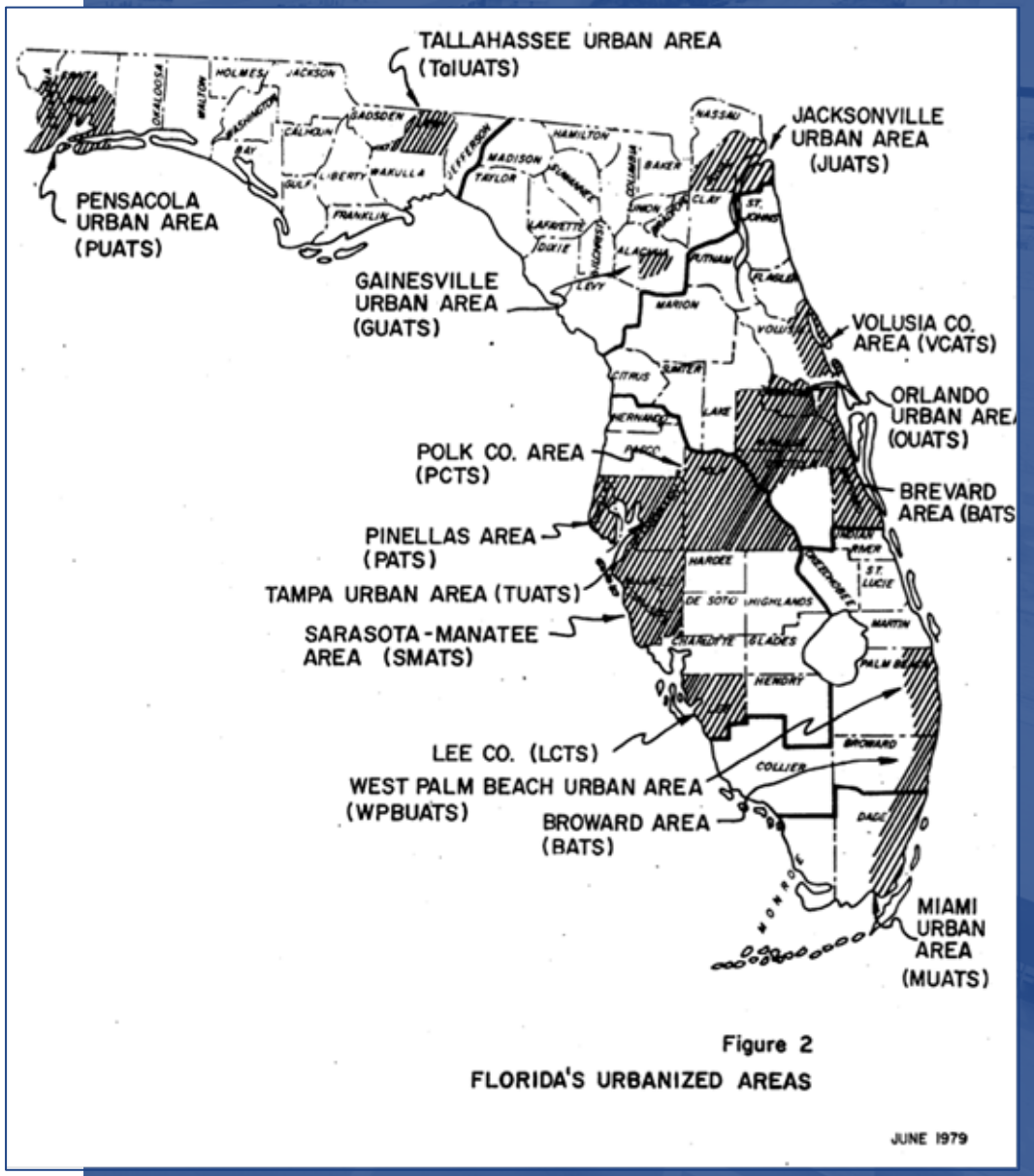
FHWA/UMTA* develop UTPS Computer Package

*Urban Mass Transportation Administration



1976

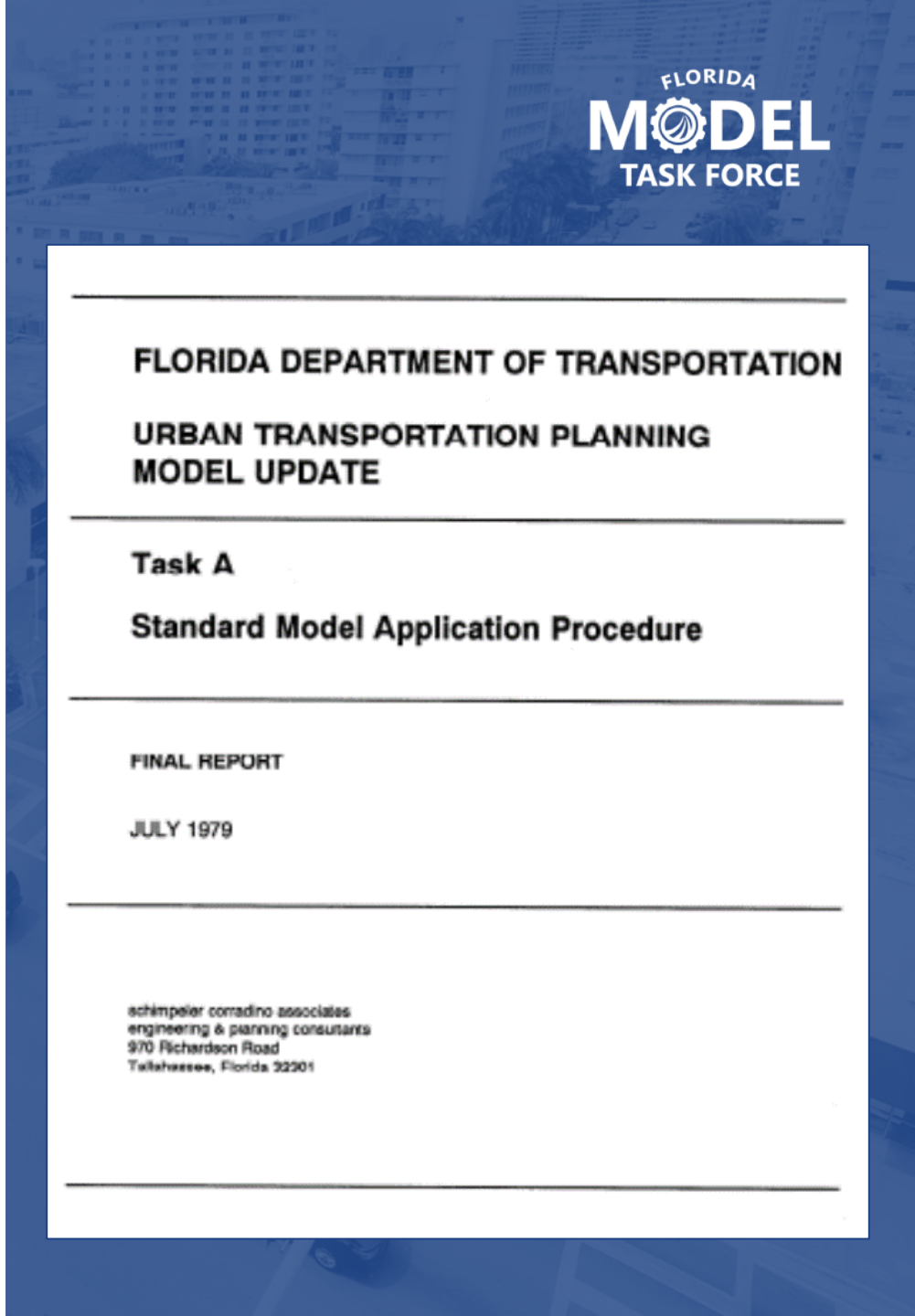
Florida has 15 MPOs, all with separate models



Source: FDOT Model Update Task A, by Ken Kaltenbach, Schimpeler Corradino Associates

Late 1970's

- UTPS mainframe-based software
  - » All models housed in FDOT Central Office
- Original Model Task Force established
  - » Representation from MPOs, Transit Agencies, and FDOT
  - » **Creation of FSUTMS** for mainframe computers



FSUTMS

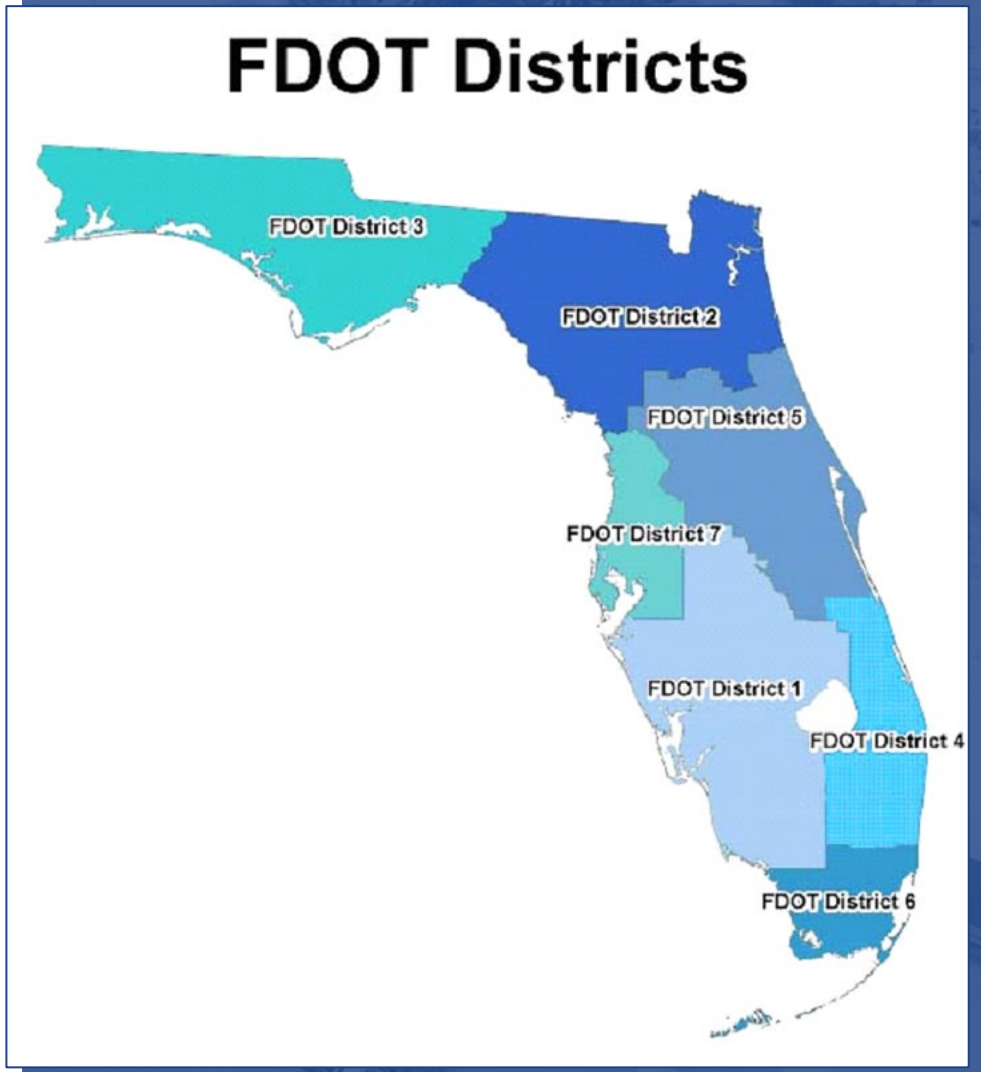
- Florida's Standardized UTPS Process
- Florida Standard Urban Transportation Model Structure
  - » Agreement on which options to use within UTPS
    - o Allowed sharing data and modeling expertise in all MPOs
  - » Developed GEN module
    - o Florida-specific Trip Generation model
  - » Creation of FSUTMS-Mainframe
    - o All Florida modelers used FDOT Burns Building mainframe computer

A TRAVEL DEMAND MODEL FOR THE STATE OF FLORIDA

FSUTMS

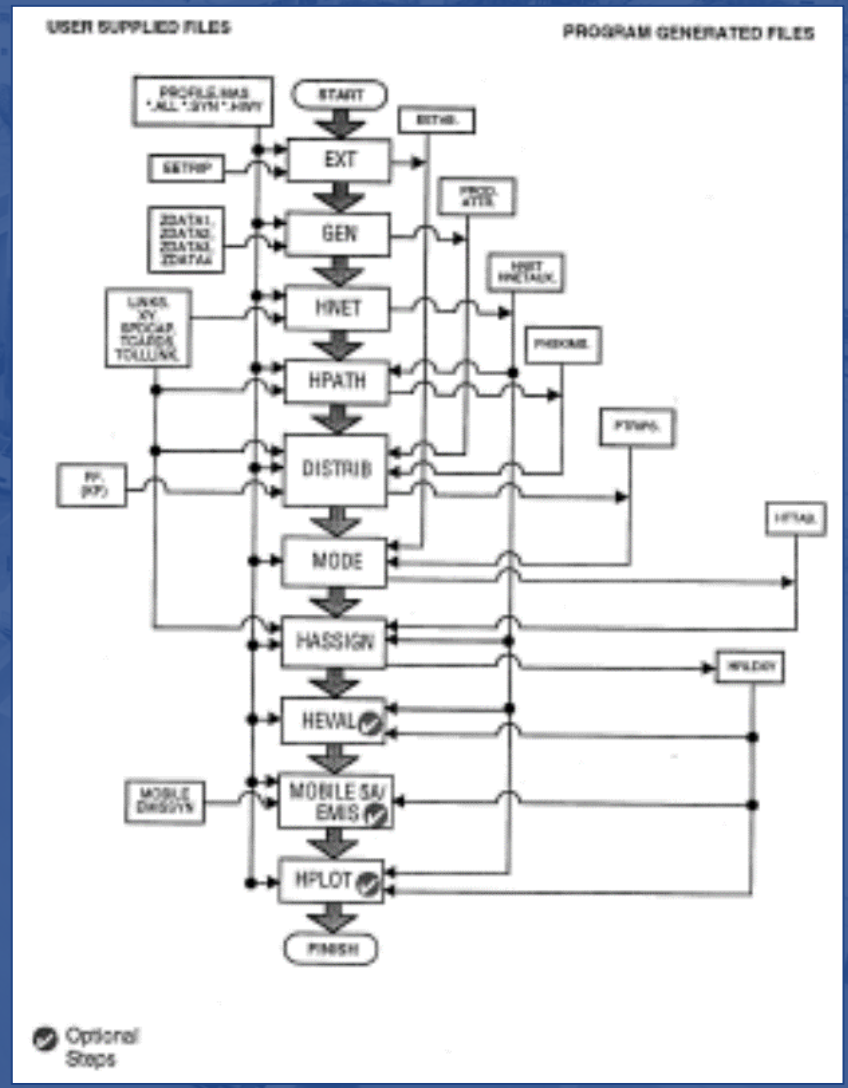
Mid to late 1980's

- FDOT Decentralization, Planning Office Reorganized
- Model Task Force inactive
- Microcomputers become widely available
  - » Some MPOs develop in-house models with MinUTP, Tranplan, and other PC-based software
- FDOT creates "Micro-FSUTMS" powered by TRANPLAN



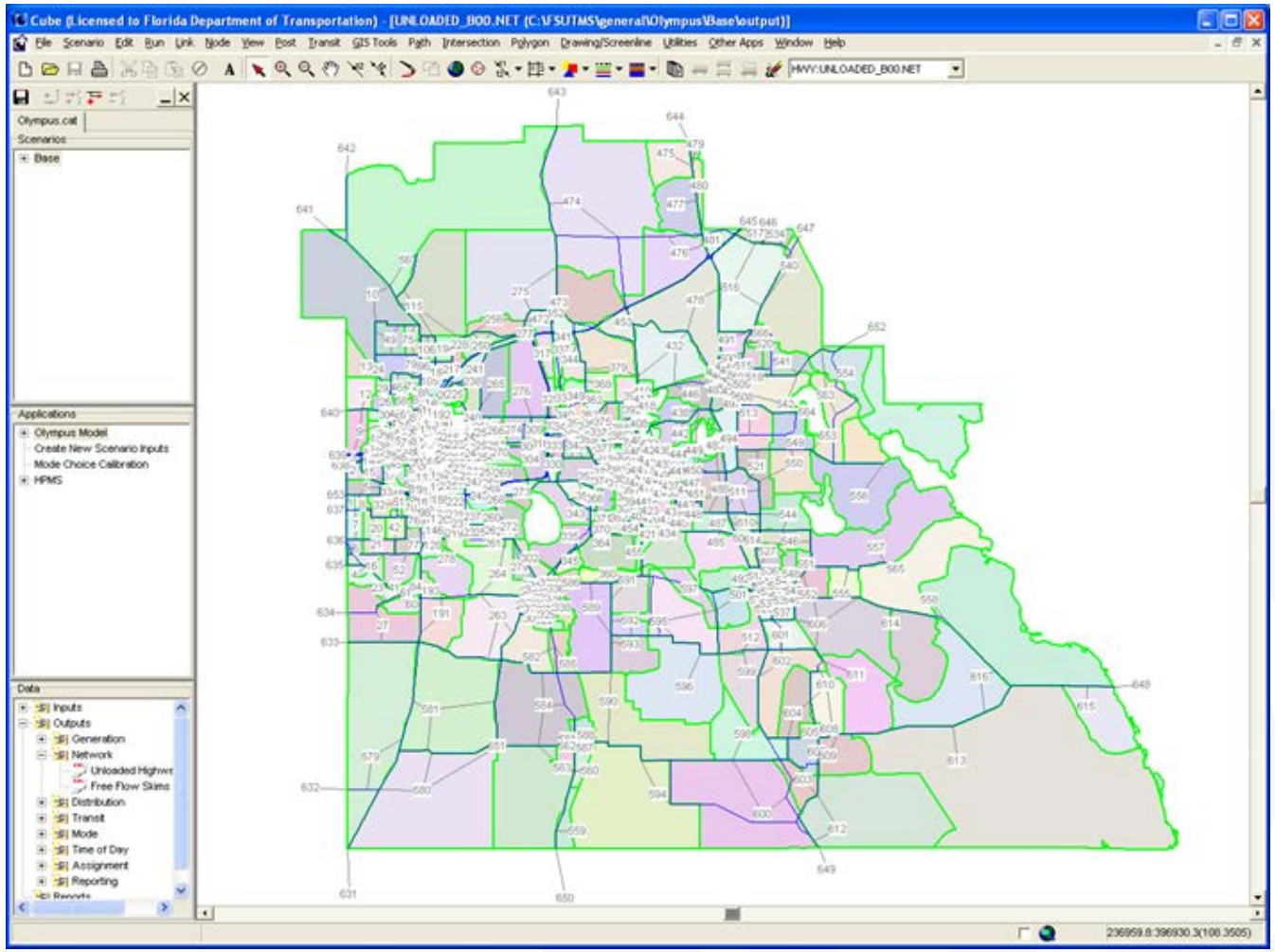
1990’s

- **Early 1994: New Model Task Force established to discuss standardization issues**
- RS-6000 mini-computers for larger models
- 32-bit Windows operating system enhances PC-based software



Late 1990's to Early 2000's

- Blue-Ribbon Panel and Model Evaluation Study Committee
  - » Studied alternative software engines to run the next generation of FSUTMS models
- TransCAD, Cube Voyager and New FSUTMS Standards



Today's Challenges

- Fragmenting Standardization
  - » Activity-based and Four-step models
  - » Differing software platforms
- Increased computer processing power
- New approaches to planning
  - » Predictive Analytics
  - » Artificial Intelligence
  - » Dashboards / Quick-to-Deploy tools
- FSUTMS NextGen

Model Task Force Accomplishments

FLORIDA MODEL TASK FORCE

HAPPY 30-YEAR ANNIVERSARY

FDOT