Districts 4 & 6 Modeling Activities

• Deploy Activity-Based Models
  – SERPM 7
  – TCRPM 4

• Best-Practices on Transit Demand Forecasts
  – Bus on-board surveys and platform survey
  – Blue-tooth speed/travel time
  – Transit Modeling
    • SERPM 6.7
    • Data Driven
District 4 & 6 Modeling Activities (cont.)

- Planning and Modeling Data
  - Speed/Travel Time
  - On-line Regional LEHD
  - Household Travel Surveys
    - Martin
    - Miami-Dade/Broward/Palm Beach

SERPM 7

- Activity Based Model (CT-RAMP/Cube)
- Evolved from SANDAG model
- Has been applied for the 2040 LRTP Updates
- 2010 Base year model available on FSUTMSOnline
- Training Workshops
  - Introductory Workshop: March 14
  - Training Workshop: April 17-18
TC RPM 4

- “ABM-Lite” (CT-RAMP/Cube)
- Evolved from Lake Tahoe Model
- Extensive Data combing
  - Employment:
    - Cross check: InfoGroup/ES-202/County Property Records (sq. footage)
    - Reconcile Proprietors
  - Traffic Counts
    - Estimated 2010 AADTs using five-year (2008-2012) data
- Complete 2010 calibration/validation by Sept. 2014
- Training Workshop in fall, 2014

Best-Practices on Transit Demand Forecasts

- Corridor Transit Planning
  - Transit surveys for seven corridor studies
  - FTA input on survey designs
  - Data driven corridor models
- STOPS evaluation for Corridor BRT
- SFECC/TRCL commuter rail study
  - Extensive validation with recent data
  - FTA input on survey designs
  - Backcasting
  - Pre-Project Development FTA coordination
Planning and Modeling Data

- **HERE** Real Time Traffic Information:
  - Speed and Travel Time Data
  - Temporal and Spatial Data coverage assessment
  - Data Aggregation for Model Validation

- Simplified On-Line Regional LEHD
  - “South Florida Resident-Job Linkage”
Simplified On-line Regionalized LEHD

From Predefined Area: HWI Broward
To Predefined Area: Miami DT

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<th>Year</th>
<th>Total number of jobs</th>
<th>Number of jobs in Goods producing industry (SIC5)</th>
<th>Number of jobs in Goods producing industry (SIC2)</th>
<th>Number of jobs in Transportation and Utilities industry (SIC7)</th>
<th>Number of jobs in Other services industry sectors (SIC9)</th>
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3/31/2014