Activity-based Modeling in Florida:
What is happening now?

presented to
Model Advancement Committee

presented by
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Date: March 6, 2012
ABM Implementations (1)

Jacksonville & Tampa Models [RSG]

DaySim – CUBE

Get the models ready for the LRTP starting in 2013

Jacksonville
Data processing is 60% done
Estimation will start within the next 2-3 months
Initial calibration will be ready by late summer

Tampa-
Data processing is 80% done
Estimation will start within the next 2-3 months
Initial calibration will be ready by fall/winter.
ABM Implementations (2)

SERPM Model [PB]

CT-RAMP – CUBE

Kickoff: August 2011

Expected Operational Date: End of 2012

Currently Transferring the San Diego ABM parameters

To be Calibrated / Partially re-estimated to/with travel patterns from NHTS data
ABM Research

- UF & USF

Can the 2009 NHTS data support the development of ABMs for different regions in Florida?

What type of models can be developed using the available data?

How can we standardize procedures for activity-based modeling in the state?

Not focused on any one metro region / Not focused on any one family of ABM
ABM Research

- Reviewed three operational ABM Families: DAYSIM, CT-RAMP, CEMDAP
- Reviewed literature on model transferability
- Cleaned and Processed the NHTS Add-on Data to Construct & Characterize Tours
- Data Issues and Approaches for Building an ABM for a non-major-metro area
  - The Polk County effort
ABM Training

Introduction to Activity-Based Modeling

- 1.5 Day course
- Taught by faculty & consultants
- Intended to help practitioners understand any ABM
- Not a hands-on training of a specific model

Jacksonville (Feb 22-23)  Over 30 attendees

Miami (March 21-22)

Tampa (April 18-19)
Agenda for Today

- **Part I (Pinjari / Srinivasan)**
  - Summary of NHTS data processing efforts
  - Using NHTS data for ABM development in non-major-metro areas: the Polk County Example

- **Part II (Bhat / Pendyala)**
  - New(er) ABM Features: The SCAG Experience
  - Common and emergent modeling practice: Thoughts for Florida’s future with ABMs
Announcement

4th TRB Conference on Innovations in Travel Modeling
April 30 – May 2
Hyatt Regency, Tampa, FL.

Over 40 presentations covering all modes
Three workshops (SHRP II, Freight, and NHTS User Forum)

Invited Speakers include:

Robert Romig (Administrator, Intermodal Systems Development, FDOT), Opening session, April 30

Ananth Prasad (Secretary, FDOT), Luncheon Speaker, May 2