JOINT FLORIDA
Model Task Force & Transportation
Data and Analytics Workshop

FSUTMS Metadata Standards

Terry Corkery

FDOT Forecasting and Trends Office

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Recap: Model Download Page Redesign

Improvements needed

- Model area boundary illustration
- Model descriptions

Model Download Interface (new)

Improvements needed

- Model area boundary illustration
- Model descriptions

Model Descriptions

- We Need Consistency
  - Information to help users decide whether to begin the long download process

- Data Committee Metadata Working Group
  - Gary Kramer, Chair
  - Dan Beaty
  - Makarand Gawade
  - Richard Pascoe
  - Patricia Tice

- Dan Macmurphy, Testing
- Denise Bunnewith, Testing

New Model Upload Form

Title *

URL title *
No spaces. Underscores and dashes are allowed.

Model Version Number

Date of Model Completion

Key Differences Compared to Previous Model Version

Base Year (validation year of model)

Horizon Year

Interim Years Available

Model Type
- Four-step
- Activity-based
- N/A

Time of Day
- Daily Only
- Multiple periods
- N/A

New Model Upload Form (cont'd)

Description of Time Periods (if multiple periods)

Software Version Used for Model Development

Estimated Run Time (if extraordinary)

Recommended Hardware (if extraordinary)

Software or OS Requirements (if extraordinary)

Special Installation Instructions

Download Permission

Download requires password from model coordinator

Model Description

Format Source

Model File 01 (file will be password-protected)

Metadata

Recommended Model Documentation

- Base, interim, and all future years of the model
- Sources of input data/parameters used in the model, including processes used to develop the data (e.g., BEBR projections, GIS processes)
  - Population
  - Employment
  - Freight
  - Traffic counts
  - Network data source(s)
  - GIS Based (y/n)
  - True Shape or Estimated
  - Trip Rates
  - VFACTORS File
  - Friction Factor File(s)
  - Transit Coefficients File
  - Mode Choice Constants File
  - Special Generators
  - List
  - Assumptions
  - Data Sources
  - Available Interim Years
  - Network modifications for interim year (y/n)
  - S&E Data availability for interim year (y/n)

Recommended Model Documentation

- Year model was completed and adopted
- Time-of-day options
- Total number of zones
  - Number of internal zones
  - Number of external zones
  - Number of dummy zones
    - Dummy zone ranges (optional)
    - Location of dummy zones in the model (optional)
- Type(s) of software and version used to run and develop the model
- Estimated download time
- Estimated run time
- Recommended computer setup (cores, memory, disk space, etc.)
- Configuration oddities for software (e.g. has to run on C:, needs Win 7, etc.)

Recommended Model Documentation

- List of roadway projects included in the Existing + Committed and Cost-Feasible scenarios
- Any large approved development projects that are not currently/fully constructed
- Type of model (4-Step vs. ABM)
- Trip purposes
- Trucks/Freight inclusion
- File location for selected zone/link routine
- Available subarea modifications not included in approved model
- Developers' notes
- Access and use limitations
  - Who can use this model?
  - When can this model be used?
  - What types of projects can this model be used for?

Recommended Model Documentation

- Credits
  - Who worked on the model and who is the official “publisher”
- Status
  - In progress/complete
  - Updated frequency – gives an idea of when the model might be updated
- Miscellaneous
- Geographical scope
- Base GIS projection
- Survey data
- Spatial resolution (Example: TAZs, parcel, etc?)
- Contact person for technical questions
- Reviews
- FDOT owning office

Metadata "Wiki" Pages

- Metadata list is extensive
  - May never be done if completion of the whole list is mandated
- Therefore, create a wiki-style page, rather than a static metadata file
  - Begin small and add information as a work in progress
  - Will create a continually modified documentation page responsive to user needs
  - More accessible than a file buried in a documents folder in the model data
- Model Coordinator can add information
  - Include model-specific FAQs

Add Metadata Section to Model Pages

FSUTMSOnline.net

Home | MTF/Users' Groups | Training | Model Download | Docs/Data

Home / Model Download / Statewide and Regional Models / Gainesville MPO Model

GAINESVILLE MPO MODEL

Welcome to the weblog for the **Gainesville MPO/Alachua County Model**. We hope you will find the information you need about our model here. For additional information, please email Scott Clem at District 2 FDOT.

Posted Thursday, April 14, 2016

Updated Gainesville MPO/Alachua County Model- 12/2015

Download the updated version (12/2015) of the Gainesville MPO/Alachua County Model validated to Year 2010 conditions.

Read More

MAILING LIST SIGNUP

Your first and last names

Your e-mail

SUBMIT

Quick Links

- FAQs
- Technical Support
- FDOT Home
- TMIP
- Citilabs
- Other Useful Links

Next Steps

- Install new model upload form
  - Do we need a committee vote?
- Work with FIU website administration (Albert Gan, Haifeng Wang)
  - Wiki Metadata page for each model
  - Model-specific FAQs
- Close Coordination during deployment
  - District Modeling Coordinators
  - Model Developers

Florida Transportation Modeling Information Resource

- Incremental improvements to make FSUTMSOnline more useful
  - Mailing list sign-up
  - Announcements
  - Model Task Force and Training registration
  - Data and documentation library
  - Model Download
- Further suggested enhancements? terrence.corkery@dot.state.fl.us