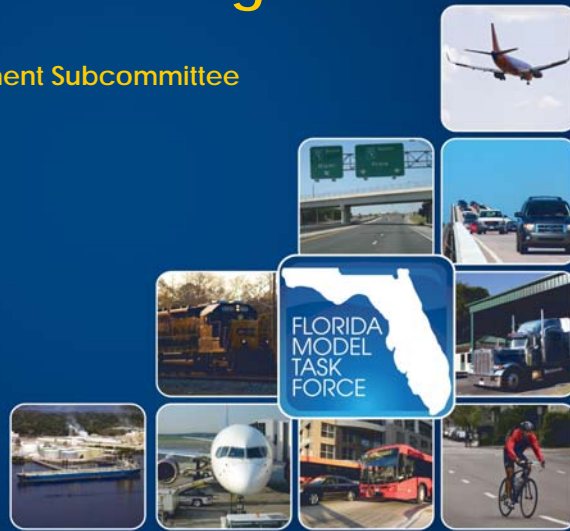


Use of DTA in Support of Transportation Planning in Florida

presented to
Advanced Traffic Assignment Subcommittee

presented by
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Project Tasks

- Review state-of-the-art and practice in DTA modeling
- Identify the needs of the Florida demand modeling community
- Develop processes to allow DTA Tool assessment
- Develop tools to support effective and efficient use
- Document the project effort, results, conclusions, and recommendations



DTA Issues



- DTA is maturing and can play a major role in demand and performance forecasting
- For successful implementations of DTA, a number of issues have to be addressed
 - Lack of data
 - Lack of experience
 - Calibration and validation
 - Excessive computational time
 - Complexity of the process
 - Need for training
 - Cost of software



Agency Recommendations



- DTA is maturing and can play a major role in demand and performance forecasting
- In the near future, the focus of DTA in Florida should be on small regional networks, subarea networks, and corridor studies. It is recommended that DTA be used in conjunction with, rather than a replacement of static assignment
 - Utilization of analytical-based DTA may also be considered for larger regional networks. The benefits of replacing static assignment with analytical-based DTA for a large network may be investigated



Agency Recommendations



- Case Studies: Support case study applications that demonstrate the benefits of DTA
- DTA Library - Reviews and documents applications of DTA within Florida, identifying the types of application, the results obtained, and user experience
- Capacity Building/Training - Provide training on DTA and the benefits of using DTA in place of static assignment.
- DTA experts may be invited to present to the modeling community in persons or through the web



Other Findings and Recommendations



- Continue monitoring the on-going tool enhancements, lessons learned, experiences with these tools, and application to large networks
- Other findings and recommendations included in the final report
 - Recommendations to users
 - Recommendations to developers
 - Recommendations for researchers

