

The logo graphic consists of three overlapping parallelogram shapes. The top one is green, the middle one is blue, and the bottom one is purple. They are arranged in a way that they appear to be part of a larger, abstract shape.

CAMBRIDGE  
SYSTEMATICS

Think  Forward

# FY 2017 Short Term Model Improvements Task Order

*Status Update*

*presented to*

*Travel Forecasting Subcommittee*

*presented by*

*Cambridge Systematics, Inc.*

*Jay Evans and Feng Liu*

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# Task Order 17.2 Short-Term Model Improvements

- Non-Motorized Model Enhancements
- Mode Choice Model Enhancements
- Managed Lane Modeling

# Work Plan

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## ➤ Key Dates

- » January – Data processing and integration
- » February and early March – Model estimation
- » March– Model implementation in Cube
- » April and mid-May – Model calibration and validation

# Model Estimation Data Development

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- Integrating Household Travel Survey Data and Other Data Items
  - » 2007/08 HTS and 2011/12 Geographically Focused HTS
  - » Re-weighting
  - » Reasonableness checking of major socioeconomic variables against ACS and original HTS summaries
  - » Integrating with socioeconomic data at the TAZ and Block level

# Model Estimation Data Development

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- Integrating Transit-On-Board Survey Data and Other Data Items
  - » Surveys for Metrorail, Regional Bus, MARC, and VRE
  - » Re-weighting
  - » Integrating with socioeconomic data at the TAZ and Block level
  - » Integrating with the Household Travel Survey data

# Mode Choice/Managed Lane Model

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## ➤ Key Program Elements

- » Updating transit skimming/assignment procedures
- » VOT segmentation procedures
- » Revising volume delay functions
- » Highway skimming/assignment

# Next Steps

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- Finalize model estimation data
- Conduct model estimation