# iTRAM 2018 Model Update

FORECASTING, MODELING, & TELEMETRICS TEAM —SYSTEMS PLANNING BUREAU



### iTRAM 2018 Model Update

The Iowa Statewide Travel Demand Model or iTRAM is undergoing an update

Comparison of iTRAM versions:

Version	Completed	Base Year	Future Year	Geographic Scale
2005_Base	2009	2005	2035	Iowa, Buffer, and Regional
2010_Base	2015	2010	2040	
2018_Base	2021 (expected)	2018	2050	



### iTRAM 2018 Model Update

#### Significant model additions:

- Area-type specific parameters: rural, suburban, and urban
- Greater inclusion of freight commodity flow information
- · Time of Day periods
- Post processing options
  - Economic Sensitivity: show the impact of low, medium, and high economic growth
- Trip Length Assessment: categorize traffic types by local versus non-local/pass-thru
- Capacity Threshold Assessment
- High-Cost/Low Volume Assessment

#### Model update reasons:

- Continuing support for statewide planning efforts
- Utilize the latest data and software capabilities
- NCHRP "Right Sizing" guide development



### iTRAM 2018 Model Update

We will continue to support our RPA and MPO partners by

- Supplying freight flow data to/from counties
- Conducting potential development impact scenarios
- Supporting the MPO model with external trip development







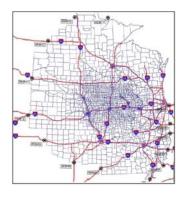


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The update will allow us to increase our support by

- Supplying more realistic freight flows
  - FAF 4 data has been adjusted for the "true origin"
- Integrating the rail and road network models
  - Allows for flow-based assignments rather than the standard QRFM method
  - Better assignment of cross-country lowa related trips
- Be able to measure our system for performance/projects in new ways





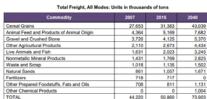


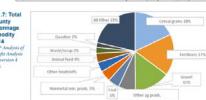
5

### iTRAM 2018 Model Update

Most Common analysis requested from this group

- Commodity Flows by County
  - Multiple modes
  - Domestic and International
  - FAF model base, interim, and future years
  - 43 SCTG commodity codes
  - Tonnages and values
- · Analyses can differ in scale and complexity
  - Examples
  - MIDAS Council of Governments 2019-2309 LRTP
  - DMATS LRTP Amendment, WSP and CPCS Transcom Inc.







6

## iTRAM 2018 Model Update

For Questions and Information, please contact:



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