

ENVIRONMENTAL IMPACT STATEMENT AND RELATED REPORTS FOR DESIGN SECTION ENGINEERING SERVICES IL-53/IL-120 TRI-COUNTY ACCESS

CLIENT:

Jacobs Engineering

CONTACT:

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CONTRACT:

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PROJECT PURPOSE:

- Construct a Functional Equivalent of the CMAP Regional Travel Demand Model
- Modify Travel Demand Model to Include Multiple Project Alternatives
- Evaluate Tradeoffs and Impacts of Alternatives on Future State Conditions
- Refine Model and Alternatives to Address Stakeholder Concerns

DAMA Consultants, Inc., worked with Jacobs Engineering to develop a TransCAD travel demand model of existing and future conditions in areas in and around Lake County, Illinois. The project used existing estimates and GIS network layers provided by the CMAP EMME 4.2 Regional Travel Demand Model and extended this model to add additional routes and corridors, demographic estimates, and geographic and jurisdictional details.

DAMA implemented several of the modifications in TransCAD and helped Jacobs to verify the results and validate the results with the existing CMAP EMME 4.2 model. DAMA added details to the EMME 4.2 network including the different route alternatives for the IL-53/IL-120 tollway extensions and projected changes to support the different routing alternatives and proposed no-build options.

Project tasks also included developing presentation boards for the alternatives and estimating the traffic impacts of each alternative route and the no-build alternatives.

DAMA's work helped county and regional agencies to understand the impacts of this project and to identify opportunities to manage future traffic demand that did not require the tollway extension.

