



ILLINOIS STATEWIDE CONGESTION ANALYSIS STUDY



CLIENT:
Illinois Department of Transportation
May 2014 to May 2016

CONTACT:
Karen Shoup, AIA, LEED AP
Bureau Chief, Urban Program Planning
IDOT Office of Planning and Programming

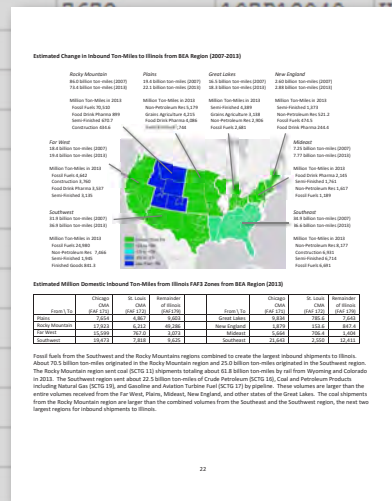
CONTRACT:
PTB 168, Item 29
Prime Contract: \$1.49 million

- PROJECT PURPOSE:**
- Evaluate Economic and Demographic Drivers of Travel Demand
 - Assess Performance Measurements Using Multiple Sources of Data
 - Analyze and Model Alternatives to Mitigate Congestion

DAMA conducted multi-year and multi-modal evaluations of economic trade and demographic changes using historical data and forecasts provided by the Illinois Department of Employment Security (IDES), the Illinois Department of Public Health, the Illinois Secretary of State, IDOT, Metropolitan Planning Organizations (MPOs), the Bureau of Labor Statistics (BLS), the Federal Highway Administration (FHWA), the Surface Transportation Board (STB), the U.S. Army Corps of Engineers (USACE), the Federal Aviation Administration (FAA), and the U.S. Census Bureau.

Data from different agencies were standardized to match similar geographies and measurements and were used to validate estimates and forecasts across time and identify changes in mode choice, shipment volumes, sources and destinations, and adaptations to changes in network capacity, capability, and connections. Demographic data provided county and IDOT District level views of how demand drivers changed and how they are forecasted to change. Multi-year trends were used to identify how conditions have changed over time and how those conditions are informed by or are affecting stakeholder decisions.

The Illinois Statewide Congestion Analysis Project addressed multi-modal performance across several corridors in different development contexts. Project tasks included characterizing population and employment conditions, VMT and vehicle registration trends, freight flows, mode choice, commodity flow volumes, and freight corridor performance.



Region	2007 Ton-Miles	2013 Ton-Miles	% Change
Rocky Mountain	14.4	14.8	3%
Great Lakes	16.1	16.5	3%
North Atlantic	16.1	16.5	3%
South Atlantic	16.1	16.5	3%
West	16.1	16.5	3%
Midwest	16.1	16.5	3%
Southwest	16.1	16.5	3%

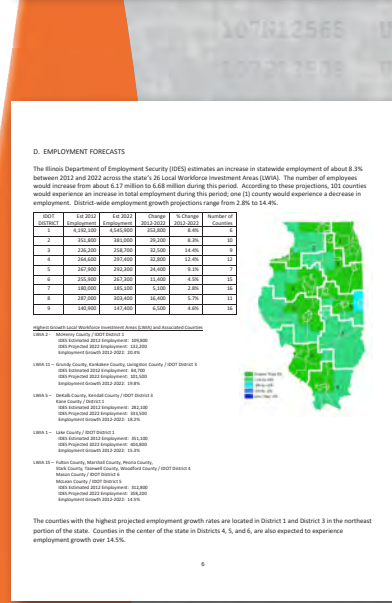
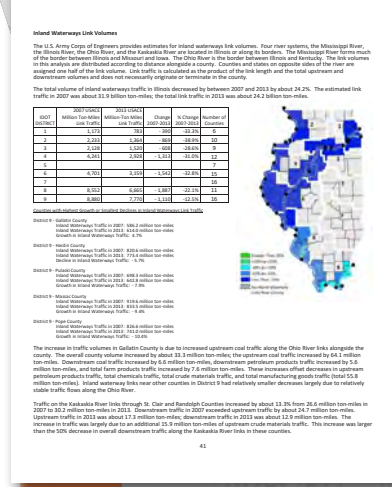


IMAGE SOURCE: ESRI, Inc., and Others. "Basemap: World Imagery." ArcMap 10.3 PC Software. Retrieved 30 October 2015.