

## Freight System Analysis Using TREDIS

TREDIS with vFreight™

TREDIS fueled by Transearch®

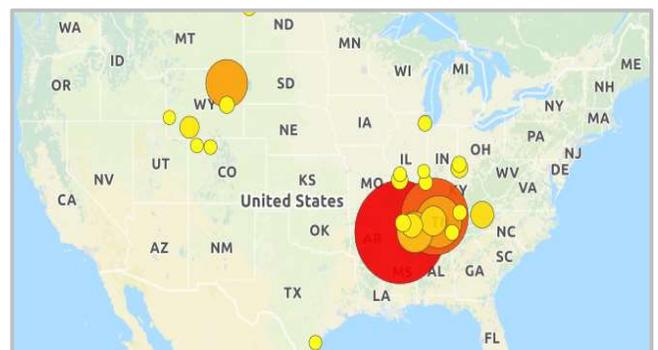
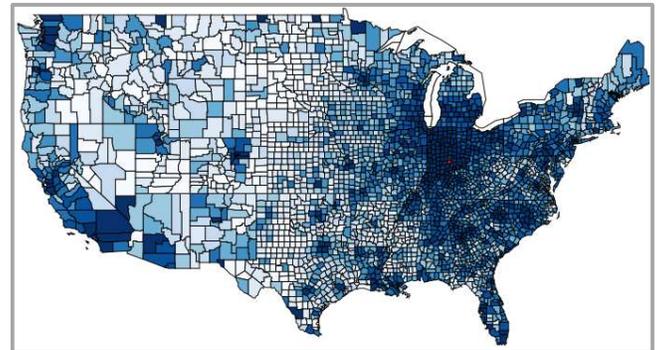
TREDIS® provides freight planners with powerful data analytics to identify freight-dependent industries, link patterns of freight flows to industry sectors and their spatial development, and examine the consequences of freight infrastructure investment for local, regional, and statewide economies. TREDIS provides two optional packages for freight analysis that build on private sources to go beyond FAF data, with coverage of over 400 commodities for 50 states and over 3,000 counties, including seven freight modes and international freight flows by mode and country.

Flow by Mode

Region Name	Single Unit Truck	Truck Plus Trailer	Semi Trailer	Double Trailer	Triple Trailer	Air	Water	Rail
Default Region	127,307	30,751	305,175	33,940	165	403	130,387	152,164
Data Year	Single Unit Truck	Truck Plus Trailer	Semi Trailer	Double Trailer	Triple Trailer	Air	Water	Rail
2015	63,611	15,399	153,684	17,581	82	201	69,794	81,391
Flow Type	Single Unit Truck	Truck Plus Trailer	Semi Trailer	Double Trailer	Triple Trailer	Air	Water	Rail
Inbound Domestic	14,732.116	2,324.189	42,472.078	3,892.842	31.706	15.384	9,848.877	27,628.561
Inbound Foreign	799.638	102.881	1,927.199	24.163	6.836	81.991	45.110	1,673.610
Internal	35,093.125	11,003.264	72,270.195	9,720.654	6.830	0.000	25,621.066	7,847.154
Outbound Domestic	12,329.707	1,910.403	35,011.074	3,923.469	34.995	54.733	34,259.992	42,978.633
Outbound Foreign	655.938	58.302	2,003.266	19.695	1.635	48.830	18.869	1,263.268

### Both Freight Options Enable Planners to:

- Demonstrate the significance of state and regional transportation system investments to your economy.
- Assess impacts of transportation performance improvements on major industry sectors (in terms of jobs, gross regional product, and output).
- Show how improvements in freight delay and reliability can affect supply-chain and logistics costs, including driver and inventory costs.
- Show how freight cost changes affect economic growth and competitiveness.
- Summarize freight impacts and trends at a county, state, national or international level.



## TREDIS Freight: Two Data Source Options

**TREDIS® with vFreight™** measures and visually portrays what is moving into and out of your area, with detail at the county level. It shows the economic value of freight flows to your area and how proposed transportation projects will further affect the economy. Reports allow users to analyze impacts on commodity flows, imports, exports and effects on jobs, income and tax revenues.

**TREDIS® fueled by Transearch®** extends the power of TREDIS even further. It adds corridor and network level analysis to show what is moving into, out of, and passing through your area via specific highway segments, rail corridors and intermodal centers. A special Transearch dataset, provided by IHS Markit, is designed to integrate with TREDIS.

### Both vFreight and Transearch options:

- Identify trade between US counties, and between counties and foreign countries.
- Are consistent with the US Census Foreign Trade Database.
- Provide county-level detail exceeding that available in FAF and resolve pass-through distortions to show true commodity origin/destinations.
- Show economic impacts (jobs, wages, value added and output) associated with proposed transportation infrastructure improvements.
- Utilize interactive visualization tools to generate maps, tables and spreadsheets for reports and presentations.

Available Freight Offerings		Base TREDIS®	with vFreight™	with Transearch®
State & Metro Freight Analysis		V	V	V
County Level Freight Analysis			V	V
Corridor / Network Level Freight Analysis				V
Freight Visualization Package			V	V
Detailed NAFTA Trade Flow Data			V	V
Through Flow Data				V
Commodity	Commodity Classification	SCTG	SCTG	STCC
	Level of Precision	2-Digit	2-Digit	3-Digit
Mode	Truck	V	V	More Detail
	Rail	V	V	More Detail
	Water	V	V	V
	Air	V	V	V
	Pipeline	V	V	

© Copyright 2022, TREDIS Software, division of EBP US, Inc. TREDIS® is a registered trademark of EBP US, Inc.