



ITCTC

ITHACA-TOMPKINS
COUNTY
TRANSPORTATION
COUNCIL

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Ithaca-Tompkins County Transportation Council (ITCTC) Data Resource Guide for Partners



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1. Introduction

The Ithaca-Tompkins County Transportation Council (ITCTC) is the Metropolitan Planning Organization (MPO) for Tompkins County. ITCTC brings together local, state, and regional partners to plan for a safe, efficient, and sustainable multimodal transportation system that meets the needs of people and businesses throughout the county.

Good decisions require good data. Every day, ITCTC collects, analyzes, and shares data to support evidence-based transportation planning and policy. From traffic counts to crash trends, and from trail maps and performance measures, ITCTC provides data and analysis to inform investments and improve mobility.

This Data Resource Guide is designed to help planners, policymakers, and community partners understand and access ITCTC’s data tools, products, and services. It highlights what’s available, how to request assistance, and how partners have successfully used ITCTC data in their own work.

2. ITCTC Data Tools and Products

ITCTC maintains a range of data tools that provide insight into travel patterns, system performance, and safety across Tompkins County. These resources are available to member agencies, consultants, researchers, and the public. Below is an overview of major tools and data products.

Category	Tool / Product	Description	Example Use
Traffic Data	Traffic Count Database	Annual and special vehicle counts at locations across Tompkins County.	Used by Tows for corridor planning and for traffic data maps and tables in the LRTP.
Crash Data	Crash Map and Safety Reports	Crash data sourced from NYSDOT’s CLEAR system, summarized and mapped by ITCTC.	Used by the City of Ithaca to identify high-crash intersections and support Vision Zero goals. The ITCTC uses this data for evaluating performance measures and generating crash reports.
GIS Data Layers	Transportation GIS Files	Geographic data on roadways, trails, transit routes, functional classification, and bicycle facilities.	Shared with the County GIS Division and local planners for integrated planning. These files are the cornerstone of the ITCTC’s transportation map creation in both the LRTP and the TIP.
Mode Share and	Journey-to-Work Summaries	Mode share and commuting trends from the U.S.	The ITCTC uses this data to track commuter trends and inform the goals of the LRTP and the

Commuting Data		Census and regional travel data.	TIP. Partners also commonly request this data.
Trails and Active Transportation	Trails Inventory & Priority Trails Strategy Data	Comprehensive dataset of existing and planned trail facilities.	Used by municipalities and trail groups for grant applications and trail planning. The ITCTC uses this data to support the Tompkins Priority Trails Strategy updates and affiliated maps.
Public-Facing Visuals	Maps, Dashboards, and Reports	Selected datasets presented through maps, charts, and visual summaries.	The Safe Streets/Roads Tompkins project includes a safety data dashboard.

3. Data Services Offered to Partners

In addition to maintaining datasets and publishing them to our website, ITCTC provides custom analytical services to support member agencies, partner organizations, and research collaborators. Services are generally provided at no cost within the scope of ITCTC’s work program.

- Custom Data Requests – traffic counts, crash data, commuting statistics, and other metrics.
- GIS Mapping and Spatial Analysis – custom maps and visualization of multimodal data.
- Data Visualization and Dashboard Design – charts, maps, and visuals for reports or presentations.
- Technical Assistance – interpreting data and developing performance measures.
- Collaborative Research and Analysis – working with universities, agencies, and community partners.

4. Illustrative Examples

1. Crash Mapping for Vision Zero

The City of Ithaca requested assistance identifying crash hotspots to prioritize safety improvements. ITCTC compiled and mapped five years of crash data, helping the city pinpoint critical intersections for design interventions and funding applications.

2. Trail Network Analysis for the Town of Dryden

ITCTC’s trail inventory data helped the Town of Dryden and the Friends of the Dryden Rail Trail plan connections and apply for state funding. ITCTC’s GIS layers and network analysis were used to document potential gaps and future priorities.

3. Data Support for Grant Applications

Local municipalities and nonprofits have used ITCTC data to strengthen grant applications, including transportation alternatives, safety, and trail projects. ITCTC provides regional context and performance metrics that align with state and federal funding priorities.

5. Additional Resources

- New York State DOT – Traffic, crash, and roadway data (www.dot.ny.gov)
- Tompkins County GIS Division – Countywide mapping and data services (www.tompkinscountyny.gov/gis)
- Tompkins Consolidated Area Transit (TCAT) – Transit ridership and route data (www.tcatbus.com)
- U.S. Census Bureau – Commuting and demographic data (data.census.gov)
- ITCTC Long Range Transportation Plan – Regional transportation policy framework, performance metrics.

6. Future

The ITCTC is considering rebuilding internal capacity for Transportation Modeling and Scenario Evaluation. This would allow us to support our partners in testing potential impacts of network or land use changes. This capacity does not currently exist locally within any of our partner agencies.

Interested in having the ITCTC rebuild internal capacity to support transportation demand modeling? Have another idea for how we could support the community and our partners with additional data services? Let us know!

7. Contact and Acknowledgments

Ithaca-Tompkins County Transportation Council (ITCTC)
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Phone: (607) 274-5570
Website: www.tompkinscountyny.gov/itctc
Email: itctc@tompkins-co.org

We thank our partners at Tompkins County, NYSDOT Region 3, TCAT, Cornell University, and all local municipalities for their collaboration and shared commitment to improving transportation for everyone in Tompkins County.

Making a Request for ITCTC Transportation Data and Maps

The Ithaca-Tompkins County Transportation Council's goal is to make the MPO datasets and map-building services easily accessible to our community partners and members of the public. The ITCTC provides two primary services: transportation and demographic data dissemination, as well as ArcGIS map building and analysis. A few examples of transportation and demographic data include the following...

Transportation

1. Transportation Mode Data
2. Transit Usage Data
3. Traffic Volume Data
4. Traffic Volume Data
5. Vehicle Ownership

Demographic Datasets:

1. Poverty Stats
2. Household Stats
3. Employment Stats
4. Market/Economic Stats
5. Race Stats
6. Language Stats

*Anyone interested in accessing these datasets need to fill out an ITCTC Data Request Form and email it to the ITCTC Transportation Analyst, Jay Lambrix at jlambrix@tompkins-co.org.

The ITCTC also uses ArcGIS Pro to build maps that showcase the geographic makeup of these datasets. Anyone interested in building a map using ITCTC data or their own internal data can fill out an ITCTC Map Request Form and email it to the ITCTC Transportation Analyst, Jay Lambrix at jlambrix@tompkins-co.org.

Replica Data Platform

Overview:

Replica is a useful tool for anyone who wants a snapshot of modal and demographic data in Tompkins County. Replica uses cellphone data to provide *both spring and fall datasets that reflect typical Thursday or Saturday modal flows and demographic makeup*. This data is limited and cannot be used for a day-to-day analysis of demographic or travel trends. However, it is still useful for creating a quick and comprehensive overview of the state of transportation and the population makeup of Tompkins County. A few samples of these datasets include the following...

Modal – Trip Data

- Previous Trip Purpose – the person’s activity before making the trip
- Primary Mode – the main type of transportation mode used during the trip
- Time – start time of the trip
- Transit Routes – the transit route on which a trip took place
- Trip Destination

Demographic – People Data

- Individual Income (Annual)
- Household Income (Annual)
- Language – the main language of the household
- Industry – an individual’s work sector
- Employment Status

For a more detailed overview of the Replica Software Platform, please visit the ITCTC Software Inventory pdf at _____.

Accessing ITCTC Datasets

Please fill out the ITCTC Transportation Data Request Form and email it to Jay Lambrix, the ITCTC Transportation Analyst, at jlambrix@tompkins-co.org.

CLEAR Crash Data Viewer Platform

Overview:

CLEAR is NYSDOT's safety management information system. It is used to query, visualize, and analyze crash data at the state, county, municipal, street, and intersection level. It also allows users to customize a query area to cover any segment of the map that the user wants to evaluate for crash data. These query datasets include some of the following information....

- Crash Type
- Crash Severity
- Road Surface Conditions
- Weather Conditions
- Number of Fatalities, Serious Injuries, or Injuries
- Light Conditions
- Etc....

For a more detailed overview of CLEAR Crash Data Viewer Platform, please visit the ITCTC Software Inventory PDF at _____.

Accessing ITCTC Datasets

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United States Census Bureau Data Viewer

Overview:

Census Data Explorer application in the Census Bureau which allows for searching & downloading primarily American Community Survey (ACS) & Decennial Census (DC) data. It is an excellent source of modal makeup, demographic, & economic data for Tompkins County. These datasets include some of the following information...

- Means of Transportation to Work
- Income Datasets
- Employment Stats
- Vehicle Ownership
- Poverty Stats
- Household and Family Datasets

For a more detailed overview of United States Census Bureau Data Viewer, please visit the ITCTC Software Inventory PDF at _____.

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ArcGIS Pro – Mapping Tool

Overview:

ArcGIS Pro is a desktop geographic information system (GIS) application. The ITCTC uses this mapping tool to build map visuals for the Long-Range Transportation Plan (LRTP), publicly available crash and traffic volume reports, visuals for grant applications, and maps for partner organizations. The ITCTC takes mapping requests from members of the Planning and Policy Committees, as well as other partner organizations, including non-profits and consultant companies. Some examples of these mapping requests include the following....

- Traffic Crash Data and Map Requests
 - Includes a map and the corresponding data Excel spreadsheets
- Traffic Volume Data and Map Requests
 - Includes a map and the corresponding data Excel spreadsheets
- Other Request Types
 - *Note: The ITCTC will take other mapping requests as long as the data is available. Interested parties can fill out the Data Request form listed below if they have an idea for a map that they would like to pursue. If the ITCTC does not have the necessary data, but the applicant does, ITCTC would still be happy to take this data and use it to build a map.

For a more detailed overview of the ArcGIS Pro Mapping Tool, please visit the ITCTC Software Inventory PDF at _____.

Accessing ITCTC Datasets

Please fill out the ITCTC Transportation Map Request Form and email it to Jay Lambrix, the ITCTC Transportation Analyst, at jlambrix@tompkins-co.org.