Traffic Impact Analysis

Fast track the steps in your traffic impact assessment analysis

TRANSOFT SOLUTIONS

OTISS PRO

Online Traffic Impact Study Software

Whether you're at work, at home, or anywhere in between, OTISS® Pro is available anywhere on the internet.

It's simple and lets you organize and analyze almost all traffic impact-related work. From trip generation to export your turning movement counts, OTISS Pro has it all.

Boost your productivity
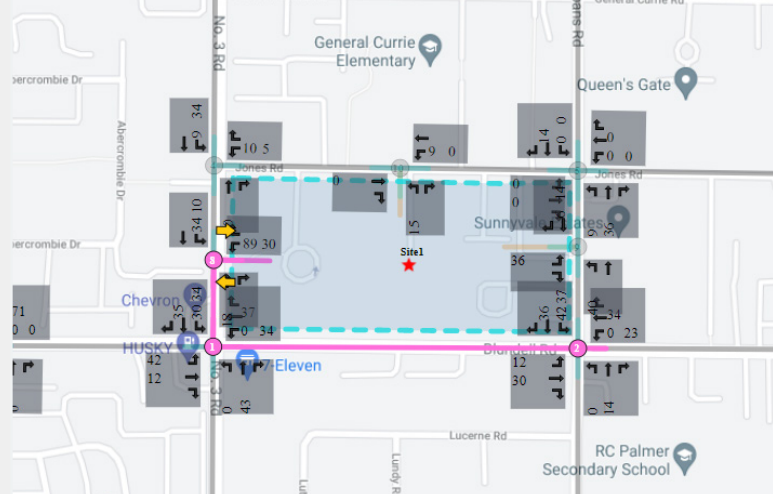
Fast track the steps you need for your Traffic Impact Assessments (TIA). With the new OTISS Pro you can quantify the traffic impact and evaluate intersection turning movement volumes on a proposed development project.

Whether you're working on a simple or a complex project, OTISS Pro can help with the essentials of your analysis process, including trip generation, trip distribution, trip assignment and turning movement volumes.

Your workflow becomes a breeze compared to using spreadsheets to analyze data.

Quickly conduct project analysis

For each of your traffic impact studies, OTISS Pro can determine site-generated traffic via trip generation, distribution, and assignment. Once the site driveways and traffic movement have been configured, traffic volumes can then be set at the intersection. Using the best practices from ITE, OTISS Pro assists with the final volumes at each driveway access.

Trip generation with various data sets

OTISS Pro always provides the latest version of ITE's Trip Generation Manual, as well as access to the previous versions. Add in data that you've collected or additional trip generation data from other sources with the private data sets. OTISS Pro computes the average rate, linear, and logarithmic equation as well as directional distribution along with R2 and standard deviation. If the local data is set to an existing ITE land use code, the local data will overlay onto the ITE graph. It is an excellent way to standardize how data is analyzed and shared internally.

Once the vehicle trips are estimated for each land use, you can perform trip adjustments and reductions using the Multi-modal Adjustment and Reductions sections located below the Trip Generation section. The program lets you switch between reductions for internal capture, pass-by trips, diverted trips or applying extra reduction.

Furthermore, view your trip summary online, or export the report easily into an excel format.

OTISS Pro is developed in collaboration with

ite
A Community of Transportation Professionals

ESTIMATION OF INTERNAL VEHICLE TRIPS.

You have completed the process of estimating Internal Vehicle Trips. You can always go back to previous steps to make any adjustments. Once you are done , click on 'Done' to complete the Internal Capture analysis.

At Land Use	From/To Land Use	Internal Person Trips From/To Land Uses		Internal Person Trips From/To Land Uses	Internal Person Trips at Land Uses		Vehicle Occupancy		Internal Vehicle Trips at Land Use	
		Entry	Exit		Entry	Exit	Entry	Exit	Entry	Exit
820	9310	0	0		33	46	1	1	33	46
	710	8	9							
	932	25	39							
9310	820	0	0		0	0	1	1	0	0
	710	0	0							
	932	0	0							
710	820	9	8		40	26	1	1	40	26
	9310	0	0							
	932	31	18							
932	820	39	25		57	56	1	1	57	56
	9310	0	0							
	710	18	31							

Internal Vehicle Trips

Network configuration

Set up your transportation network around the development site with existing traffic data. Define streets and intersections, input existing traffic volumes, and choose horizon years and growth factors to establish your existing and background traffic volumes.

Trip distribution and assignment

Assign and distribute site generated trips to each driveway by defining the percentage manually or automatically distribute evenly.

Create and visualize multiple routes to represent origin and destination of the trips on the network, with automated pass-by trip assignment and more.

Turning movement volumes (TMV)

Display turning movements for a variety of scenarios: existing, background, site generated, pass-by and build-out traffic. Flip through these with a quick mouse click.

Generate and export reports

Export all or just selected report data to.xls or .csv. Our Synchro® integration allows easy import with the lane configuration, intersection types and the different estimated turning movement counts per scenario such as existing, background and post-development.

Why Choose OTISS Pro for your Traffic Project Needs?

Online collaboration

Conveniently share projects online with all your stakeholders. OTISS Pro functions as a collaboration tool for standardizing the review process of trip generation data.

On-demand access

As a SaaS (Software as a Service) application, OTISS Pro provides you with the flexibility to work on your projects from virtually any computer workstation or mobile device with an internet connection.

Cut the learning curve

The intuitive user interface in OTISS Pro guides you every step of the way in your traffic studies. Smart features reduce the time spent preparing for new, or evaluating existing, projects.

Reduce human error

Since OTISS Pro is a cloud-based software, the latest version is stored securely online ensuring that everyone works on the latest version, minimizing the margin for error.
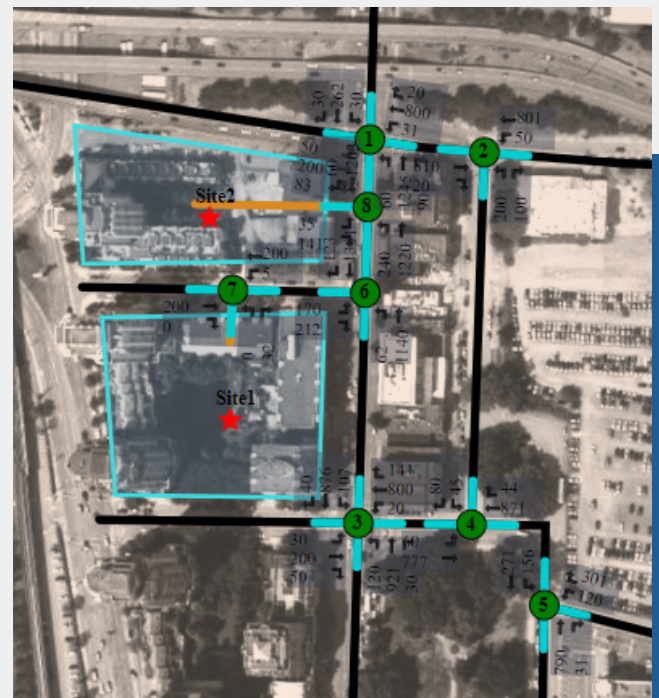
Supported Browsers
& System Requirements

For details on supported browsers and system requirements, please visit the product compatibility section using the QR code below.