

Explore 5 tools and features in McTrans software to support your traffic impact analysis and other transportation modeling and economic analysis studies.

See below:

- O-D Modeling in TSIS-CORSIM
- Work Zone planning and analysis with HCS Freeways
- Work Zone impacts on urban arterial operations with HCS Streets

Other Tools

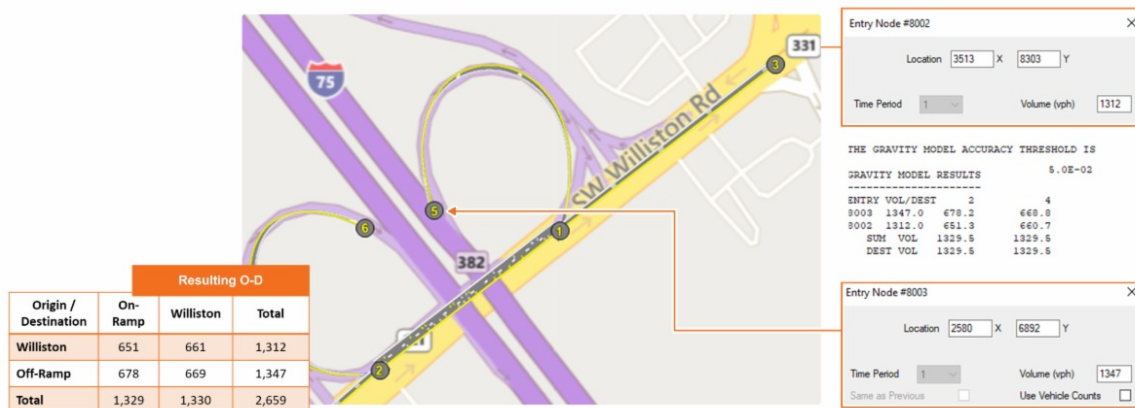
- Crash Cost by Crash Severity Reporting in HSS

Quantify the cost of crashes and monetize the benefits associated with crash reduction improvements for your benefit-cost analysis. [Read More](#)

- Growth Factor Tool to create forecast scenarios in TSIS-CORSIM

Apply a percent increase to entry demand and turning volumes, easily creating scenarios to simulate future demand [Read More](#)

O-D Modeling in TSIS-CORSIM



TSIS-CORSIM generates Origin-Destination (OD) matrices for a network with freeway elements with a Gravity Distribution Model, starting from seed entry volumes inputted by the user. This allows the user to access the impacts of added demand on critical components of the transportation system, such as the weaving segment of the partial cloverleaf shown in the example.

[Read More](#)

TIPS AND HINTS

Modeling Work Zones in HCS

Need to evaluate the impacts of your work zones? Look no further! Perform your work zone analysis in HCS and get the two key MOEs you need for your project:

1. Queue lengths
2. Delay
3. Speeds

Read more about how you can use these additional measures while still benefiting from all other HCM/HCS traditional metrics



[Freeways - Read More](#)



[Urban Streets - Read More](#)

McTrans Presence at Professional Conferences

Our team had an amazing time at the [TexITE Spring Meeting](#) in Corpus Christi, TX, the [ITE Northeastern District Annual Meeting](#) in Ithaca, NY, and the [ASCE International Conference on Transportation & Development](#) in Seattle, WA. We had the opportunity to talk with attendees, including many of our clients, and share our products and solutions for mobility, safety planning, and engineering. Thank you to the local committees, ITE, and ASCE for organizing these events.



Mr. Christian Breau
Dr. Gustavo de Andrade
Mr. Vishal Khanapure



Dr. Fabio Sasahara
Dr. Behzad Aghdashi



Dr. Yafeng Yin
Dr. Ziqi Song
Dr. Karla Rodrigues



Dr. Scott Washburn, Dr. Nithin Agarwal,
Dr. Lily Elefteriadou, Dr. Wei Sun,
Dr. Karla Rodrigues, Dr. Behzad Aghdashi

Next Events in 2022

Are you attending any of these events?

Make sure to visit our booth and talk to our experts!

We look forward to meeting you, talking about our latest products and services, and hearing your questions and opinions.

- ITE Mountain District Annual Meeting (June 8-10, Boise, ID)
- ITE Great Lakes Annual Meeting (June 20-22, Duluth, MN)
- ITE Western District Annual Meeting (June 26-29, Palm Springs, CA)
- ITS Florida Transpo (July 17-20, Bonita Springs, FL)
- ITE Annual Meeting (July 31 – Aug 3, New Orleans, LA)
- ITS World Congress (September 18-22, Los Angeles, CA)

New Employee Spotlight

Welcome, Ehsan Amini!

Assistant Engineer



From the day I chose transportation engineering as my carrier and started my master's degree in transportation planning at Tehran Polytechnic University till today, I have been blessed with the working opportunities and being mentored by several experts in this field. My first advisor and mentor in this field was Dr. Masoud Tabibi, whom I learned a lot from him about transportation engineering, working on group projects, and even my personal life.

In 2018 I was lucky to start my Ph.D. program under the supervision of Dr. Lily Elefteriadou, who is more than an advisor, but a mentor as well. That was an excellent opportunity to get involved in several projects related to connected and automated vehicles, traffic theory, and the Highway Capacity Manual (HCM). This experience helped me get more comfortable working on multidisciplinary projects and obtain a deeper understanding of traffic engineering and traffic theory.

After graduation, I got the opportunity to join McTrans center as a senior engineer and partially work as a post-doc researcher at UF continuing my research with Dr. Lily. I am sure working in the professional and friendly atmosphere we have in McTrans, would help me to be prepared for my long-term career goal.



UPCOMING VIRTUAL TRAINING

What's New in the 7th Edition of HCM?

Applicable for **1.5 PDHs**

July 12, 2022	12 - 1:30 PM ET
Aug 23, 2022	3 - 4:30 PM ET

Highway Safety Analysis

Applicable for **8 PDHs**

Aug 30 - 31, 2022	1 - 5 PM ET
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Highway Capacity Analysis

Applicable for **12 PDHs**

Jun 28 - 30, 2022	1 - 5 PM ET
Aug 16 - 18, 2022	1 - 5 PM ET

Transportation Equity Certificate ^{NEW}

Applicable for **16 PDHs**

Transportation Equity Fundamentals I

Jun 15 & 16, 2022	1 - 5:30PM ET
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Transportation Equity Fundamentals II

July 21 & 22, 2022	1 - 5:30PM ET
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Ready to register?

Visit us at mctrans.ce.ufl.edu/training/.

Have questions or want to learn more?

Send us an email at mctrans@ce.ufl.edu.

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