

RD&T Technology Facilitation Action Plan

Traffic Software Integrated System (TSIS)

PRODUCT

Description of Product : The Traffic Software Integrated System (TSIS) is a collection of software tools used to conduct operational analysis. It consists of a set of core components and can also be configured to work with software from third-party developers. The core components consist of CORSIM, an animation output processor (TRAFVU) and a graphical input editor.

Intended User:

- FHWA researchers and contractors
- State and local traffic engineers
- University researchers and students

Distribution methods: For FHWA personnel and associated contractors, the software is available at no charge through the Operations RD&T office. For general users, the software is available at a nominal charge through McTrans and PCTTRANS. This charge is used to cover the cost of technical support.

Alternative Formats:

Delivery Dates:

- TSIS 4.32 – October 1999
- TSIS 5.0 Beta 1 – March 1999
- TSIS 5.0 Beta 2 – June 2000
- TSIS 5.0 Final – September 2000

PROGRAM/PRODUCT SUPPORT

CBU Contact(s):

Operations: Ron Giguere and Dan Schierer
ITS JPO: Mike Freitas

Resource Center Contact(s): Emiliano Lopez, Eastern Resource Center

Division Office Contact(s):

Mike Schauer, New York Division
Felipe Luyanda-Andino, Virginia Division

Other Contact(s): Dr. Charles Wallace, University of Florida McTrans Center

OUTREACH

Conference Presentations: Conference Presentations and Booths (ITE, TRB, ITE, AASHTO)

Publications:

Other Outreach Activities: TSIS Website

TRAINING

Materials Needed: NHI Training Course has been developed and is available for TSIS / CORSIM.

Course Update Requirements : An update to the course to cover TSIS 5.0 in needed in FY01. The update will require \$50K and can be done by the TReL staff.

Instructor Requirements: NHI Instructor certification required.

Schedule of Training/Workshop/Briefing: On demand.

Intended Audience: Traffic engineers, ITS professionals

Alternative Formats: Computer Based Training (CBT) is also under development.

PROGRAM INTEGRATION

CBU Contact: Operations: Ron Giguere

Research Contact: Gene McHale, Operations R&D, 202-493-3275

Follow-up Activities: Prior to scheduling and funding new research initiatives, researchers should work with the TSIS contact in RD&T to determine how and if simulation can be used on the program. If new requirements for the simulation are identified, then the changes should be implemented in the software prior to the time it is needed in the research program.

