Who Needs IDAS?

State and local agencies that have a say in transportation improvement decisions will find IDAS to be a valuable asset; particularly, if they are looking at the feasibility of ITS deployments. IDAS can be readily employed by planners and others who have a good understanding of both planning terminology and the travel demand forecasting process.

How Can You Obtain IDAS?

IDAS runs on Windows NT and Windows 95 and can be purchased through the McTrans Center for Microcomputers in Transportation at the University of Florida.

McTrans (352) 392-0378
Call for information, technical assistance)

Voice Messages: (800) 226-1013
(Leave a message anytime for a return call)

McFAX: (352) 392-3224
(Fax orders, requests or other correspondence)

Email: mctrans@ce.ufl.edu
(Access through the Internet)

Web Site: http://mctrans.ce.ufl.edu

McTrans provides technical support for IDAS at no charge to registered users. Individual, group and agency licenses are available. A comprehensive user manual is shipped with the software.

What about Training?

FHWA offers a 2-day training course through the National Highway Institute that provides comprehensive instruction on how to run IDAS, enter data and interpret results. Training can be requested through your local FHWA Division Office or by touching base with one of the contacts listed below.

Need More Information?

You can visit the IDAS web site by going to the www.its.dot.gov and searching for the link to the IDAS site. Or you can contact one of the IDAS team members below:

IDAS
ITS DEPLOYMENT ANALYSIS SYSTEM

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Planning

IDAS

ITS DEPLOYMENT ANALYSIS SYSTEM

Tool for Integrating ITS into the Planning Process

U.S. Department of Transportation
Federal Highway Administration

What is IDAS?

IDAS, which stands for the ITS Deployment Analysis System, is software developed by the Federal Highway Administration that can be used to perform sketch planning analyses for ITS (Intelligent Transportation System) deployments. Planners and others can use IDAS to calculate relative costs and benefits of ITS investments - which are either alternatives to or enhancements of traditional highway and transit infrastructure investments. IDAS can currently predict relative costs and benefits for more than 60 types of ITS investments.

What Does IDAS Do?

IDAS quantifies the impacts of ITS infrastructure improvements throughout a transportation network. It focuses on how an ITS project or projects effect:

- *the frequency and magnitude of recurring and non-recurring congestion*
- *travel time and throughput on all the links and nodes in the analysis area*
- *public safety*
- *environmental factors such as emissions and noise*
- *energy consumption and overall vehicle operating costs*
- *agency efficiency and system reliability*

IDAS provides a database of representative costs and benefits for a wide variety ITS actions

IDAS facilitates the programming of ITS projects into State and local improvement programs

Benefit-Cost Features

In order to realistically capture benefits and costs, IDAS predicts:

- *traveler responses to ITS alternatives including route diversion, mode shift, temporal diversion, and induced/foregone demand*
- *changes in various categories of travel including trip patterns, trip purposes, geographic corridors, and facility types*
- *lifecycle costs including capital and O&M costs for the public and private sectors on a year-by-year basis*

Other Features

Practitioners will find a number of additional features that enhance ITS planning. For instance, IDAS:

- *works with the output of existing transportation planning models*
- *develops inventories of ITS equipment needed for proposed deployments and identifies cost sharing opportunities*
- *supports sensitivity and risk analysis*
- *evaluates alterations in the staging of improvements or changes to the geographic scope*
- *identifies implementation timeframe and resource requirements*
- *provides documentation for transition into design and implementation*