

About Strong Concepts

Strong Concepts specializes in the development of professional-quality traffic engineering software and training. We are the exclusive developer and direct distributor of TEAPAC software. TEAPAC has established a proven track record within the traffic engineering community, being in constant use and evolution for over thirty years since 1974. This integrated suite of PC-based traffic engineering applications continues to be the most popular package of seamlessly-integrated traffic and transportation software worldwide. Today TEAPAC is in use in all 50 US states and in many countries on 6 continents worldwide. The majority of US state DOTs also make use of TEAPAC in their analysis.

Dennis W. Strong, PE, PTOE, founder and president of Strong Concepts, is a recognized expert in the evaluation and design of traffic signal control systems and related computer software. A Fellow of the Institute of Transportation Engineers, he has a third of a century of design experience in the field of signal system and software projects throughout the US and abroad. He has managed numerous general traffic engineering and traffic signal design projects and has many articles and presentations to his credit. Mr. Strong currently lectures at the University of Central Florida, Louisiana State University, Northwestern University Center for Public Safety (Traffic Institute), and the University of Wisconsin-Madison, among others, and has been lauded as a dynamic, energetic and skilled teacher. He is past chairman of the Signalized Intersection Subcommittee of the TRB Highway Capacity and Quality of Service Committee which authors the Highway Capacity Manual (HCM).

Training and Support

Strong Concepts offers a wide array of training opportunities in support of its TEAPAC software, as well as other related traffic and transportation software, including certified CEU and PDH credits. Its flagship course, "Designing Optimized Traffic Signals and Systems Using Visual TEAPAC, PASSER, TRANSYT and CORSIM" is offered several times each year at locations across the United States and abroad in conjunction with numerous educational institutions such as University of Wisconsin, University of Central Florida, Louisiana State University, Northwestern University (Traffic Institute), University of Nebraska, Arizona State University, University of Tennessee and Korea Advanced Institute of Science and Technology; and for state DOT's like Florida, Wisconsin, Oklahoma, Vermont, New Mexico, Illinois, Arizona, Tennessee and Idaho. The "Advanced TEAPAC Application Techniques" course for power users is offered by special request.

Other special courses and lectures have been provided for public and private agencies on a request basis, including Departments of Transportation, Counties, Cities and Consultants. Over the last 30 years Mr. Strong has presented over 200 training courses and lectures in nearly 100 locations throughout the United States and abroad.

Strong Concepts augments its training and support services with what has become recognized as the best technical support in the business. Prompt, accurate and helpful phone and email support for TEAPAC (and even other related traffic programs) continue to be the hallmark of this excellent support.

"The things I learned will save me many hours of hard work!"

"Very worthwhile and informative. Excellent course."

"One of the best courses I have ever attended."

"The technical support has been outstanding."

"I enjoyed the training session. It was great!"

"I gained knowledge that I will use immediately."

"The wealth of information I got from the workshop was definitely worth it."

"Every time I have called for support I have received a prompt and helpful response."

"This course was very thorough and detailed, and very enjoyable at the same time."



- ✓ Over 30 years of development and use boasts proven functionality
- ✓ True Windows interface brings simplicity and familiarity
- ✓ World-wide acceptance and use, including 6 continents, all 50 states in USA and majority of state DOTs
- ✓ On-screen user guide; context-sensitive help; detailed index
- ✓ Unique visual graphical interface: easiest to understand + most efficient to use = save your time and \$\$\$
- ✓ Easy phasing entry; unsurpassed import/export features
- ✓ Free updates using easy internet downloads

What Can *Visual TEAPAC* Do For You?

First get **SIGNAL2000**

and have the only integrated program that optimizes the phasings and timings of a 2000 Highway Capacity Manual capacity analysis based on HCM delay for up to 500 signals to save you untold amounts of time and money.

Add **PRENOSTOP, PRETSPPD, PREPASSR, PRETRANSYT, PRENETSIM and PRESYNCHRO** and have the only seamlessly-integrated system of programs which use the same data base for up to 500 intersections to run NOSTOP, TS/PP-DRAFT, PASSER-II, TRANSYT-7F, TRAF-NETSIM/CORSIM and SYNCHRO/SIMTRAFFIC for arterials or grids, using SIGNAL2000 data and results, as needed.

Use **SITE**

to perform traditional traffic impact studies, with the benefit of a seamless connection to SIGNAL2000 and the preprocessors to immediately assess and optimize your impacts based on the 2000 HCM and coordinated analysis, including NETSIM/CORSIM's on-screen animation to visualize the results.

Add **NOSTOP**

to get simplified bandwidth progression and cycle optimization at a planning level for the arterials of your impact study, or for arterial timings without the need for volumes.

Use **URNS**

to summarize your traffic counts and export peak period volume data for use by all of the above programs, and read this data directly from electronic count boards like Jamar, TimeMark, NuMetrics, Titan & Timelapse; never enter volumes manually again!

Add **WARRANTS2003**

to do comprehensive 2003 MUTCD signal and multi-way stop warrant studies using the same data files as TURNS above.

Then add **SCENARIO, TED and TUTOR**

for customized, multi-variable, multi-issue scenario management and to automate any of these analyses as needed with TEAPAC script files.

And coming soon, direct integration with other transportation software like **VISSIM** and **PARAMICS** for robust system simulation and animation.

Now you have *Visual TEAPAC* working for you, the most powerful and comprehensive system of integrated traffic software available.

If you would like more information concerning Strong Concepts, our available products or services, please contact us directly...

"First in Integrated Traffic Software"
30 Years

Strong Concepts

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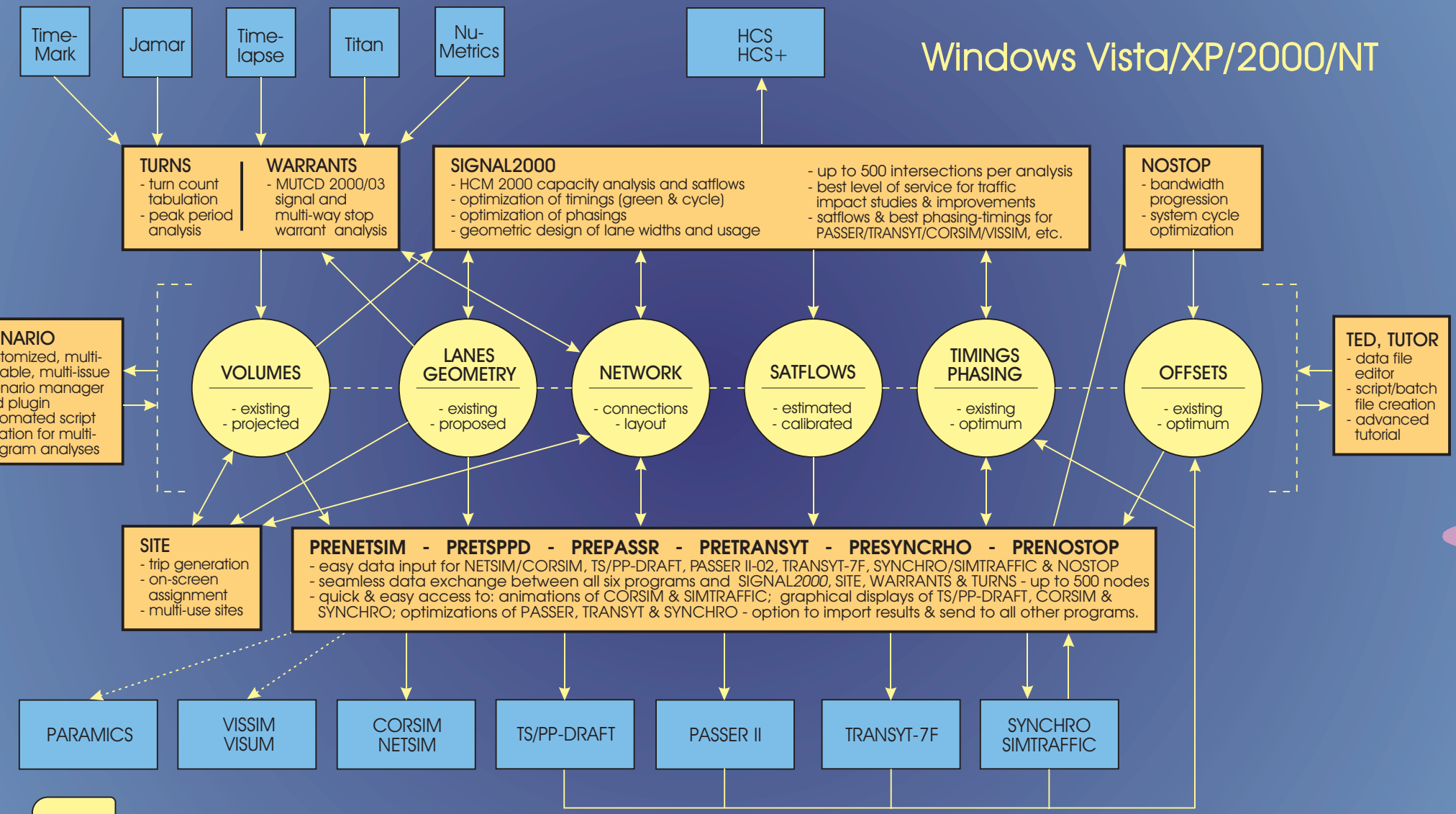
"We applied TEAPAC timing plans with great public satisfaction. TEAPAC results were closest to field observations, and long queues disappeared as a result."
Florida DOT

"The TEAPAC concept of integrated traffic software is AWESOME. It has changed my entire process of problem solving."
Fisher Associates, P.C.

"We would have paid \$10,000 per year to have someone do what I learned in the Advanced Workshop."
Boulder, Colorado

Visual TEAPAC Integrated System of Traffic Software

Windows Vista/XP/2000/NT



"The day we opened the detour, it worked beautifully, exactly like the models showed, thanks to TEAPAC."
Cathedral City, California

"My heartfelt thanks for TEAPAC which helps us make driving easier for our citizens."
Wilmington, North Carolina

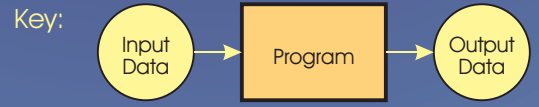
"We used TEAPAC to retime a major corridor and it was a huge success."
Grand Junction, Colorado

"TEAPAC has become the most powerful engineering tool that I use today!"
Charlotte Engineering and Surveying, Inc.

"I have been extremely pleased using TEAPAC to develop coordination plans for closed-loop systems. It's use has saved me and my clients time and money."
TranSystems Corporation



Strong Concepts
"First in Integrated Traffic Software"
30 Years



"The TEAPAC workshops offered excellent procedures and solutions that will help me be more effective."
Waterloo, Ontario

"I strongly recommend TEAPAC. Over the years we've implemented many practical and efficient TEAPAC signal timing plans which greatly reduced delays."
DeKalb, Illinois