



InfoQueue

Strong Concepts Newsletter

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TEAPAC2004 (Version 6) Released Marking TEAPAC's 30th Anniversary

TEAPAC2004 – The Ultimate Integrator

Seamlessly Integrates 13 TEAPAC Programs and 14 Programs by Others

After two years in design and development, **TEAPAC2004 (TEAPAC Version 6)** has been released with **major enhancements** to

- its seamless integration capabilities,
- its generic user interface, and
- each of its 13 individual programs.

Unveiled for the first time to delegates at the ITE Annual Meeting in Orlando in August, TEAPAC2004 was formally released September 22, 2004. Read on to see how **Strong Concepts' 30 years of PE/PTOE experience** in traffic and transportation engineering and professional software development are hard at work for the **TEAPAC2004** user.

30 Years of Excellence – TEAPAC Highlights

1974 First version of SIGNAL for 1965 HCM
1976 SITE and TURNS join SIGNAL
1977 NOSTOP simplifies bandwidth analysis
1978 PRETRANSYT integrates with SIGNAL
1982 First PC-based site license issued
1985 SIGNAL85 optimizes 1985 HCM delay
1990 PREPASSR joins PRETRANSYT, et al
1994 PRENETSIM & SIGNAL94 released
1995 WARRANTS joins TEAPAC family
1997 SIGNAL97 implements 1997 HCM
2000 SIGNAL2000 released with HCM2000
2001 TEAPAC2000 & WARRANTS2000
2003 PRESYNCHRO & PRETSPPD released
2004 **TEAPAC2004 released!**

30 Years of Excellence with TEAPAC!

Summary of TEAPAC2004 Enhancements

- »» All TEAPAC2004 programs are now completely seamlessly integrated!
 - One data file carries all data for all programs, with up to 500 intersections per file/analysis!
 - One-click, split-second transfer of control and data from one program to another.
 - Upwards/downwards compatible with prior TEAPAC2000 data files.
- »» Major Upgrades for SITE, WARRANTS and TURNS
 - Seamless, one-click exchange of results (Peak Period Volumes, PHF, Projected Volumes, etc.) to each other, SIGNAL2000, PREPASSR, PRETRANSYT, PRENOSTOP, PRENETSIM, PRESYNCHRO and PRETSPPD.
 - Up to 500 intersections per file/analysis.
- »» SIGNAL2000 and all PRE-processors get new volume sensitivity analysis features.
- »» PRENOSTOP is a new program connecting NOSTOP with the other TEAPAC2004 programs.
- »» Major enhancements to the TEAPAC user interface (Version 6) used by all of the TEAPAC2004 programs.
 - Global Input Option allows any single entry to apply to all intersections.
 - Enhanced menus and buttons in Output window for easier navigation of large outputs.
 - Easier navigation for pan and zoom in View-Network display with bitmap background.
 - Many other enhancements for increased functionality and useability (see Details below).
- »» Downloadable manuals are printable and searchable.

Details at StrongConcepts.com/Updates.htm.

**Free demos for all TEAPAC programs at
www.StrongConcepts.com**

What Is TEAPAC?

TEAPAC is a suite of 13 programs which perform a variety of traffic and transportation engineering analysis & design tasks. In addition to their unprecedented breadth of coverage, hallmark aspects of TEAPAC programs have always been that 1) they share the same user interface, making learning the whole package easy, and 2) they have the ability to share inputs and results with each other, as needed.

The individual modules of **TEAPAC2004** are described briefly below.

SIGNAL2000

True-HCM2000 capacity analysis with comprehensive HCM delay optimization for best phasing, cycle and timings, with export to HCS.

NOSTOP

Simplified arterial bandwidth optimization, including cycle optimization for best progression.

SITE

Calculation of traffic impact volumes of multi-use, multi-site land development scenarios.

WARRANTS

MUTCD 2000/2003 signal and multi-way stop warrant analysis, with 1988 MUTCD option.

URNS

Turning movement count tabulation and peak period analysis, with ability to import count data from many electronic counters.

PRE-Processors

Six preprocessors to create input for and import optimized results from the latest versions of NOSTOP, TS/PP-Draft, PASSER-II, TRANSYT-7F, CORSIM & Synchro/SimTraffic, all based on the common TEAPAC2004 database. PRESYNCHRO also imports an entire Synchro network for use by all the others.

TED

TEAPAC editor for creating automation scripts and/or modifying data files for all TEAPAC programs.

TUTOR

Tutorial program and manual for learning advanced aspects of all TEAPAC programs.

Visit www.StrongConcepts.com for more details about what each program does.

Our internet distribution usually delivers licenses & upgrades **to your desktop the same day** an order is received.
Call and start using TEAPAC2004 today!

The amazing thing about TEAPAC2004 is that all of these functions are integrated via a common user interface and a common data file structure -- one data file can be used by ANY of these programs for an analysis that covers as many as 500 intersections of an area-wide study. The common user interface means that once you've learned the mechanics of one program, you've learned them all. The common data file means that you enter your data once only, then use that data with whatever programs need it.

Further, many programs generate results which then become inputs to many other programs, and all these results are saved in the same data file for use by the other programs. For example, projected traffic from SITE is needed by SIGNAL2000 for capacity analysis, signal optimization and mitigation design; TURNS peak-period counts are needed by SITE as background traffic, SIGNAL2000 for capacity analysis of existing conditions, and any of the PRE-Processors for assessment of network operations, etc.

Check out the flowchart on the last page of this newsletter for more examples. Better yet, check out the **animated PowerPoint slide show** illustrating this information sharing on the main page at www.StrongConcepts.com.

Any way you slice it, TEAPAC2004 offers unprecedented efficiencies for conducting a wide variety of valid analyses with a minimum amount of hassle and maximum reliability.

What's So Special About TEAPAC2004?

TEAPAC is unique in the traffic and transportation industry for a number of reasons.

- The developer of TEAPAC, Dennis Strong, is a professional engineer (PE) and professional traffic operations engineer (PTOE) who has conducted many studies over 30 years with all of these programs. This means as users ourselves, we believe we know what your issues and needs are, and try to accommodate these needs in the software.
- We invented traffic data integration, and as such, have developed the means to accomplish this on the widest-possible

scale. You may see some software out there with copycat features on a much smaller scale, but nothing that scratches the surface of the comprehensive coverage of TEAPAC2004. This saves you untold amounts of time, money and mistakes in the computer work you depend on.

- Our users tell us we have the best software support in the industry. We believe them. We only write software for activities we know and understand, and we support them the way we'd want them supported for ourselves. When you call or email for technical support, you're talking to the author, a respected expert and lecturer in the industry and past chairman of the HCM signals subcommittee. We know how to help – period.
- TEAPAC invented the concept of site licenses for PC-based traffic software (in 1982), and despite the pressures to convert to per-computer licenses, we continue to offer the most affordable and manageable way to license PC-based traffic software.
- We've been doing this for 30 years. We're very good at it.

Combined, these unique characteristics make TEAPAC2004 the obvious choice for your traffic and transportation engineering analyses, if you want the best in accuracy, efficiency, relevance and support. **This makes your job easier!**

ITE Meeting Visitors Win Big

Many visitors to the Strong Concepts booth at the recent ITE Meeting and Exhibit in Orlando saw the first public display of TEAPAC2004, and entered our annual drawing for free TEAPAC software. This year's winners were:

Austin, Tsutsumi & Assoc., Honolulu, HI
Bergmann Associates, Rochester, NY

Visitors who learned the secret password "**30 Years**" from our earlier email notification (described at the right) also received a great free gift at the exhibit.

Sign up now for future notifications and special offers, including notices of breaking industry news and info regarding software releases.

Courses Feature TEAPAC2004

Our highly acclaimed course "**Designing Optimized Traffic Signals and Systems Using TEAPAC, PASSER, TRANSYT and CORSIM**" focuses on specific solutions to signal timing and simulation problems from **isolated** intersections and **arterials** to **diamond** interchanges and **grid** systems. Hands-on work problems using each of the programs provide the user with real experience applying these solutions with the only software system that integrates all of these programs into a single system of software.

New Orleans, Louisiana Oct. 27-29, 2004
Louisiana State University (225) 578-6325

Seattle-Tacoma, Washington Dec. 13-15, 2004
University of Wisconsin (800) 462-0876

Orlando, Florida Feb. 9-11, 2005
University of Central Florida (407) 882-0260

Evanston, Illinois Apr. 18-21, 2005
Northwestern Traffic Institute (800) 323-4011

The TEAPAC2004 programs used include **SIGNAL2000**, **NOSTOP**, **PRENOSTOP**, **PRETSPPD**, **PREPASSR**, **PRETRANSYT** and **PRENETSIM**. The latest version of all software is used in the course, including **PASSER II-02 Ver 2.0**, **TRANSYT-7F Rel 10** and **TRAF-NETSIM/CORSIM Ver 5.1**.

Dennis Strong, author of TEAPAC and past chairman of the HCM signalized intersection subcommittee, is the primary instructor for all of these courses. Learn how to use the latest signal analysis software **effectively** and **efficiently**, and keep up on your continuing education requirements at the same time (2+ CEU & 20+ PDH per course).

Call us or check our web page for course outlines and on-line registration, as well as future offerings. Call now to reserve your spot.

Electronic Notification Service

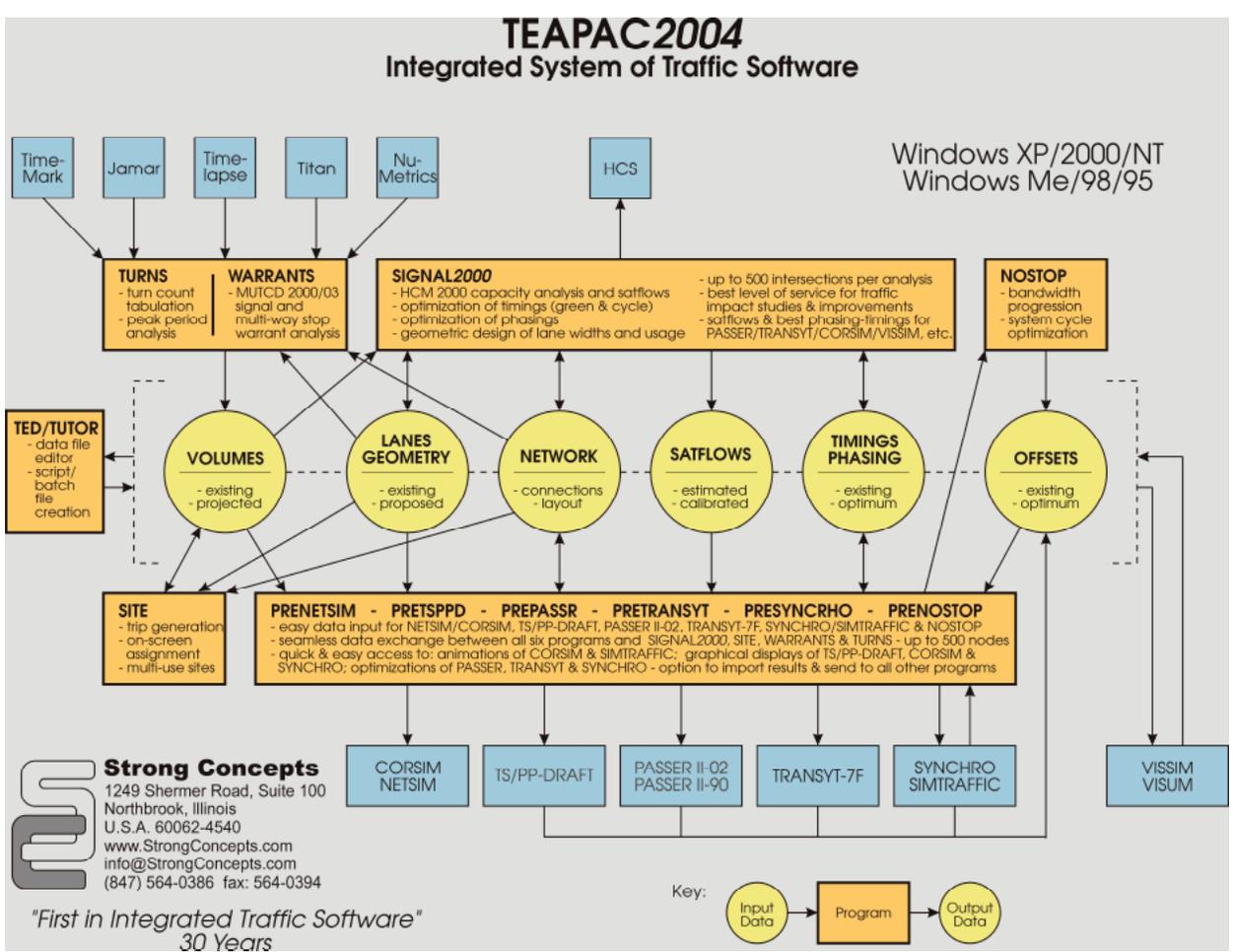
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Strong Concepts
 1249 Shermer Road, Suite 100
 Northbrook, Illinois U.S.A. 60062-4540

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