

Introducing
TEAPAC Complete 2010
Version 8.5

2010
Highway Capacity Manual

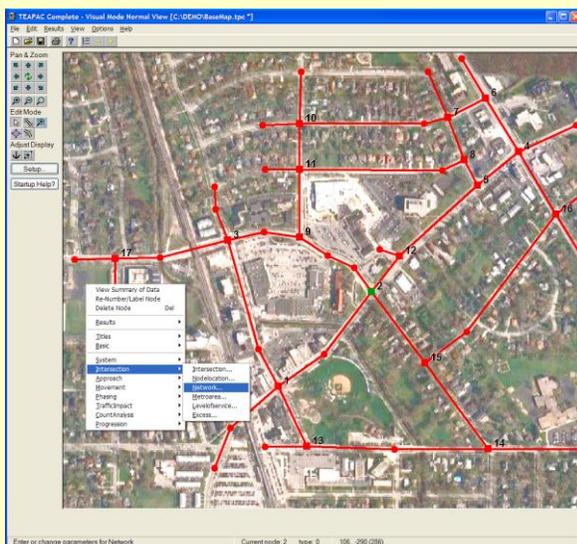
Capacity Analysis and Optimization
for Signalized Intersections

Actuated or Pretimed
Coordinated or Isolated

Fully Integrated with
15 TEAPAC Program Functions
Together in One Program

Low Pricing for
Single User/Computer Licenses

Software Maintenance Plan Eliminates
Update/Upgrade Fees Forever



Visit the main page at StrongConcepts.com for more detailed color screen-shots of TEAPAC Complete 2010

TEAPAC Complete 2010, Version 8.5

TEAPAC Complete 2010 (Version 8.5) has been released, incorporating the actuated methodology of the new 2010 *Highway Capacity Manual* (HCM), as follows -

- **The first commercial software available for HCM 2010.** The 2010 HCM was published by TRB in April, 2011 - Ver 8.50 was released concurrently.
- **Fully functional, HCM-compliant capacity analysis for both HCM 2000 and HCM 2010.** HCM actuated, HCM LOS, HCM delay, HCM queue, HCM satflow, HCM capacity, HCM v/c.
- **The only program that can optimize the HCM delay of individual movements.** Optimize green splits, cycle length and phasing to achieve a target amount of delay for critical movements.
- **Uses the new HCM IQA delay method developed by TEAPAC's author.** Dennis Strong, P.E., PTOE, TRB Committee Member & former chair of HCM Signals Subcommittee.
- **Full modeling of actuated signal behavior with a published Federal method.** Export to TRB's HCM computational engine to verify HCM compliance.
- **TEAPAC Complete 2010 connects all your traffic studies to both HCM versions.** Site Traffic TIA, Traffic Counts, MUTCD Warrants, Progression, HCM 2000, HCM 2010, TRANSYT, CORSIM, Synchro, SimTraffic, VISSIM, PASSER, TruTraffic.
- **Upwards and backwards compatible with all your prior TEAPAC data files.** Inexpensive annual maintenance (included) has free updates and technical support.

All 15 TEAPAC Programs Together in One

TEAPAC Complete (Version 8) was released in 2008, merging all prior TEAPAC programs into a single program and license, with new, **low pricing** for single user/computer licenses.

TEAPAC *Complete* represented an unprecedented leap forward in the seamless execution of the wide variety of traffic and transportation functions supported through the years by TEAPAC. Imagine, just one program and one data file to manage all TEAPAC functions and all external programs, for as many as 500 intersections per file, and as many as 25 scenario conditions each for up to 5 independent scenario issues – that's a mouthful!

Life couldn't be easier when you're using TEAPAC *Complete* 2010 for all of your multi-scenario traffic and transportation analyses. Read on to see examples of how Strong Concepts' **38 years of PE/PTOE experience** in traffic and transportation engineering and professional software development are hard at work for you as the **TEAPAC Complete** user.

All of the functionality of 15 TEAPAC programs is available in a single program, delivered for one low price with a single program license, as follows:

- **HCM-compliant** signalized **capacity analysis** and full **HCM optimization** of splits, cycle and phasing.
- Estimation of projected volumes for **traffic impact studies**, including user-adjustable, automated **on-screen assignments** of site traffic.
- **MUTCD-compliant** signal warrant and multi-way stop **warrant analyses**.
- Complete traffic count analysis, including **peak period determination** and import of count data from a multitude of **electronic traffic counters**.
- Simplified **bandwidth arterial progression** optimization with full-color **time-space diagrams**.
- Full Export Capabilities for well-established third-party programs, such as **HCS, TRANSYT-7F, PASSER-II, CORSIM, VISSIM, Tru-Traffic, TS/PP-Draft & Synchro/SimTraffic**.

- Full **Import** Capabilities for a complete network created in **Synchro** Ver 5, 6, 7 or 8.
- Revolutionary TEAPAC **multi-variable, multi-scenario data management** for all applications above.
- **Seamless exchange of inputs and results** between all combined applications, such as peak period volumes, projected traffic volumes, optimized signal timings, computed saturation flow rates. etc.
- **One downloadable manual** (and one on-screen help system) covers the entire breadth of TEAPAC applications, with full index and improved graphics and output examples.

Check out the flowchart on page 4 for more details, or the **animated PowerPoint slide shows** at www.StrongConcepts.com. TEAPAC *Complete* 2010 offers unprecedented efficiencies for conducting a wide variety of analyses with a minimum amount of hassle and maximum reliability.

Low Pricing for Single User/Computer

The base TEAPAC Complete license is a single user/computer license, not a site license, so the **base price for TEAPAC Complete Ver 8 is very affordable, starting as low as \$995** for the entire TEAPAC system. Discounts are available for multi-copy licenses, including site licenses and agency licenses. **Upgrade pricing** is available for recent TEAPAC licenses, with credit given for recent license and update fees.

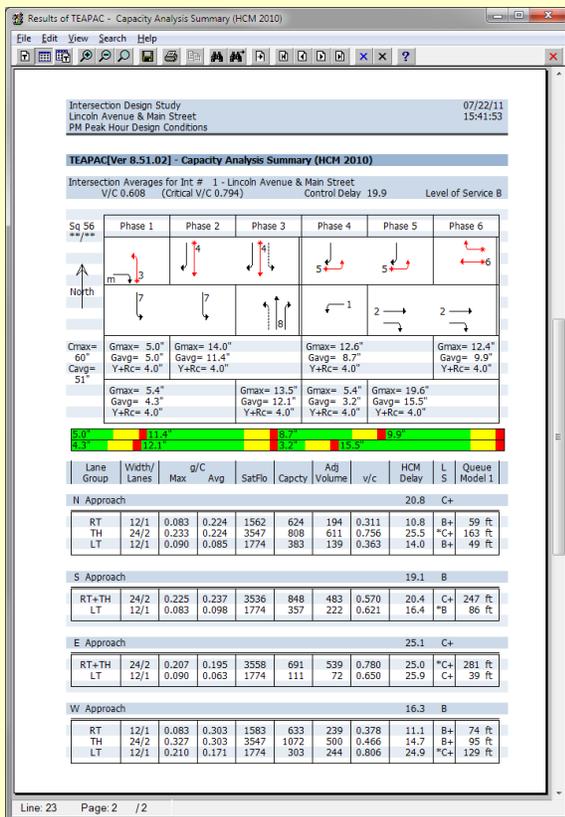
Software Maintenance Plan Eliminates Update/Upgrade Fees Forever

New licenses (and upgrades from prior versions) include maintenance for the next 12 months, which **includes free downloads of any and all updates and upgrades** posted during the maintenance period. This means low and predictable pricing for future maintenance periods - no more guesswork to budget for future updates or upgrades.

Our Internet distribution delivers licenses & upgrades **to your desktop the same day** an order is received. Call and start using TEAPAC *Complete* 2010 **today!**

Familiar Visual TEAPAC Interface and Upwards Compatibility

- »» **Graphical front-end** allows network creation and editing directly on-screen (see example screen shot on page 1).
 - Drag-and-drop manipulation of network.
 - Bitmap background for ease of creating network and visualizing results (aerial photo, map, plan drawings, etc.)
 - Right-click access to all data entry dialogs, as well as analysis results dialogs.
- »» **Enhanced graphical reports** make results easier to read and nicer to look at.
 - Full use of color and graphics drawing for arrows, phasing diagrams, permitted movements, time-space diagrams, intersection diagrams, cycle optimization graphs, daily count variation graphics, etc.
 - Printable on any color or black-and-white printer supported by Windows; pastable as .bmp bitmap into any other application.
- »» **On-screen TIA Assignments** on the graphical network display.
- »» **Upwards and downwards compatible** with prior TEAPAC data files.



Example Graphical Output from TEAPAC Complete 2010

What Is TEAPAC's Scenario Management?

TEAPAC Complete 2010 has a built-in function that can create multi-scenario data files either from scratch or from data files of earlier versions of TEAPAC. Users can:

- ♦ select from pre-defined typical scenario structures like multiple volume conditions or multiple timing plans,
- ♦ create completely unique scenario conditions for their analyses, or
- ♦ customize a pre-defined scenario structure to meet their specific needs.

The primary advantage of using SCENARIO is that all the scenario data is saved without dangers of duplicated data which often occur when scenarios are managed by the typical use of File-SaveAs.

See TEAPAC, Win Discounts, at ITE Exhibit



Strong Concepts will be demonstrating TEAPAC Complete 2010 and answering questions at the ITE Product Exhibit as part

of the 2011 ITE Annual Meeting in St. Louis. The meeting is Aug 13-16, and the Exhibit will be open Sunday and Monday, August 14-15.

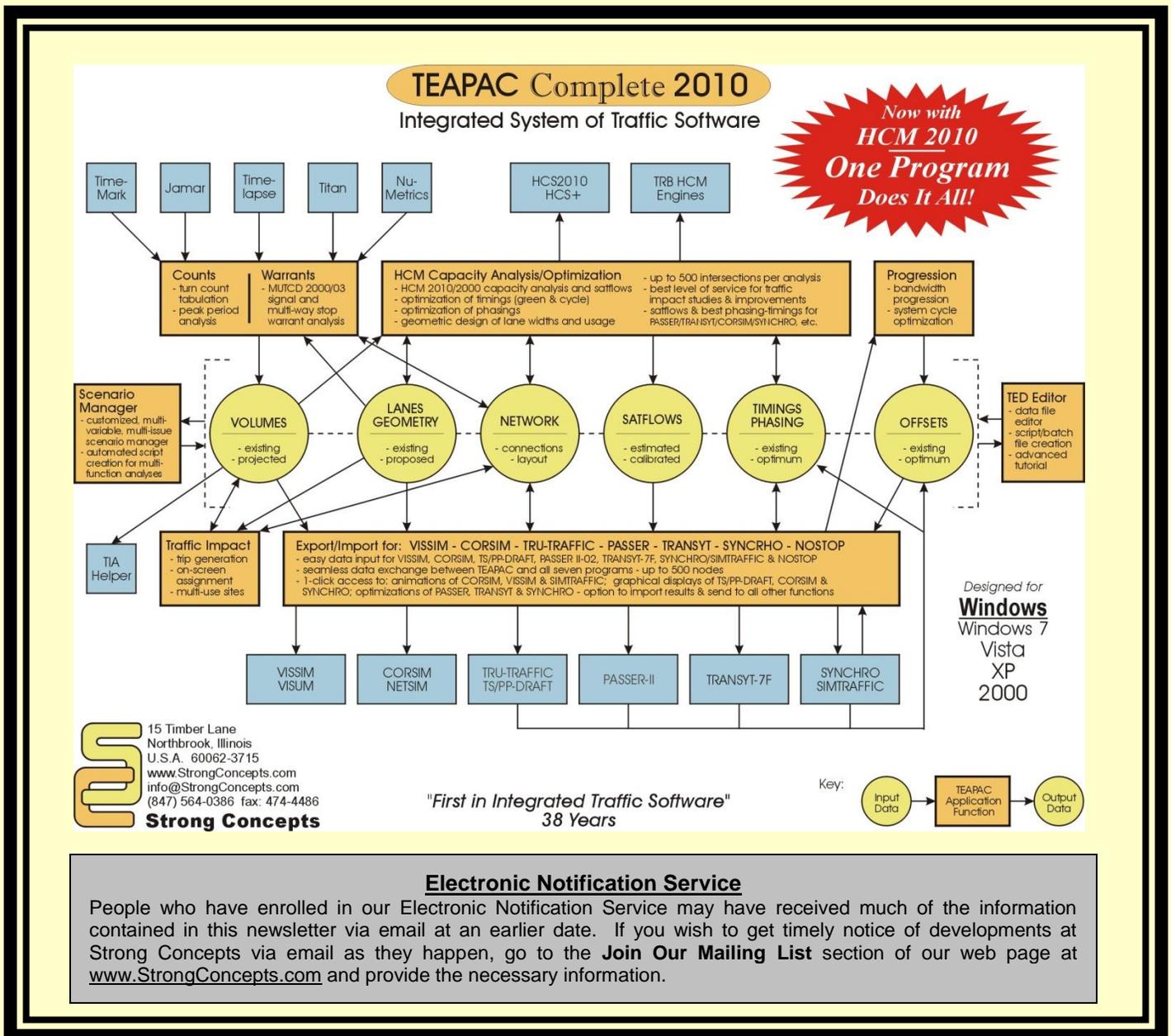
Given the plethora of confusion and potential mis-information that can exist regarding the details of today's traffic software, Strong Concepts will have a fun and informative **Reality Game** at our booth (#514) where participants can win TEAPAC 20% discount coupons and be enrolled in a drawing for 40% discounts which will be held each day. The idea of the game will be to identify what has been heard and what is reality on subjects like HCM-compliance, optimization, integration and efficiency tools.



If you want to bone up on your traffic software reality facts, you can view a PowerPoint show with all the answers posted at our web page, www.StrongConcepts.com. The link can be found in the right hand margin at the top of the main page. **Come join the fun in St. Louis!**

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 38 Years

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