

Software Updates

HCS+TM

HCS+ version 5.5 (within HCS+T7F) is scheduled for a Fall 2009 release as a downloadable patch. This version follows the previous release of HCS+ version 5.4 in December 2008.

DAITA: Version 5.5 adds significant functionality and features to the DAITA turning movement count module within HCS+. DAITA can now count and import to HCS+Signals pedestrian, bicycle, heavy vehicle and right-turn-on-red data. Improvements were also made to the collection of unmet queue data and its translation to turning movement demand values for each period, which also can be directly imported to HCS+Signals.

The ability to combine data files has been created, allowing multiple personnel to collect data at one intersection for combining into one file before importing into HCS+Signals. This will facilitate the analysis of a large, congesting signalized intersection where all needed data cannot be collected by one person.

Data: Version 5.5 also provides for data file interchanging between the Signals and the Unsignal Two-Way Stop Control (TWSC) module to facilitate comparisons between signalized and stop-control intersection operations.

2010 HCM: Work on HCS+ to implement the updated procedures coming in the 2010 Highway Capacity Manual (HCM) continues. The Weaving and Roundabouts modules implementing those completely overhauled procedures are mostly complete, with modifications to the computations in Two-Lane and Freeways are also substantially done. Our goal is release the HCS+ upgrade to coincide with 2010 HCM publication

TRC Roundabout Workshop August 18 - Orlando, Florida

An Overview of Modern Roundabouts (*Ken Sides, City of Clearwater, FL*)
Design of Roundabouts (*Michael Wallwork, Alternate Street Design, P.A.*)
Roundabouts and Their Implementation in the US (*Mark Doctor, FHWA*)
Luncheon Speaker: *Dan Burden, Glattig Jackson Kercher Anglin, Inc.*)
Roundabouts in the 2010 Highway Capacity Manual and in the FHWA Roundabout Guide (*Lee Rodegerdts, Kittelson and Associates, Inc.*)
Modeling in SIDRA INTERSECTION (*Rahmi Akcelik, Akcelik and Associates*)
Modeling Roundabouts Using CORSIM (*Aaron Elias, University of Florida*)
Designing Roundabouts with TORUS (*Milton Carrasco, Transoft Solutions*)

http://trc.ce.ufl.edu/Roundabouts_Workshop_2009.html

TSIS-CORSIMTM

TSIS 6.2 is now targeted for release in Fall 2009. This new version will automatically be mailed to those with a current support subscription. Version 6.2 offers the following changes:

Signal Pre-emption for Actuated Controllers. The previous version of CORSIM could only handle pre-emption for pre-timed controllers. Sample input files for both pre-timed and actuated signal pre-emption are now automatically installed to the "TSIS Projects" folder.

Traffic Assignment (TA) for Actuated Controllers. The previous version of CORSIM could only handle TA for pre-timed controllers.

Two-Lane Rural Highways with Passing and No-Passing Zones. Added the ability to pass a vehicle by temporarily moving into the opposing traffic stream on a two-lane highway. A new input field was added to Record Type (RT) 20, and brand-new RTs 154 and 155 were added. TRAFVU 6.2 has been modified to animate two-lane highways. TSIS Next 6.2 has been modified to enter input data for two-lane highways. Sample input files for two-lane highways are now automatically installed to the "TSIS Projects" folder.

Vehicle Type Origin-Destination (O-D) Volumes in FRESIM. The previous version allowed vehicle type multipliers for standard off-ramp volumes (RT 25), but automatically applied O-D volumes to all vehicle types (RT 74). CORSIM 6.2 now offers RT 75 for coding unique O-D volumes for each vehicle type. RT 74 is still available for cases in which O-D volumes are the same for each vehicle type. TSIS Next has been modified to enter vehicle type O-D volumes.

Laneage Drawing in TSIS Next. TSIS Next now draws straight (no curvature, yet) laneage on the map, somewhat similar to TRAFVU. This feature is a "work in progress", and does not handle lane drawing as well as TRAFVU. An icon is available for switching between lane drawing mode (like TRAFVU) and the default link-node diagram mode (like TRAFED).

Minor Improvements. Corrected lane-selection logic for buses in NETSIM; improved some of the input error checking logic; corrected certain vehicle movement logic near FRESIM off-ramps; corrected behavior of NETSIM permissive left-turns or right-turns opposed by a diagonal movement; corrected several output processor MOEs; fixed problems in some of the TSIS Next input dialogs;

Update Watch

Package	Version	Status	Target	Distribution
HCS+	5.5	Target	September	HCS+T7F Patch Download
TRANSYT-7F	11.3	Complete	Available	HCS+T7F Patch Download
TSIS-CORSIM	6.2	Target	September	Sent to Registered Users
DYNASMART-P	1.3.0	Complete	Available	Sent to Registered Users
IDAS	2.3	Complete	Available	Sent to Registered Users
QuickZone	2.0	Complete	Available	Sent to Registered Users
TNM	2.5	Complete	Available	Sent to Registered Users

Calendar

Training

TRC Roundabout Workshop Highway Capacity Analysis	August 18, 2009	Orlando, FL
	October 21-22, 2009	Long Island, NY
	December 1-2, 2009	TBD

Conferences

ITE Annual Meeting TRB Annual Meeting	August 9-12, 2009	San Antonio, TX
	January 10-14, 2010	Washington, DC

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