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Upcoming Webinar Series Schedule

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HCS 2010 Release 6.90

Facilities Rebuilt
The Facilities module has been completely rebuilt in house using the new architecture to help overcome several limitations in the old module that was developed outside of McTrans.

TWSC Expanded
The Two-Way Stop Control (TWSC) module has been expanded to include Pedestrian Level of Service (LOS) procedures.

Streets Graphical Summary
A new addition to the reports is a graphic that depicts LOS and Queue by size and color for a quick snapshot view of each signalized intersection’s results. A big thank you to Tom Creasey of Stantec (and also the current HCQS committee chair) for this idea!

A MESSAGE FROM BILL SAMPSON

It has been a really active several months toward culminating the development of HCS7 after a couple of years of concentrated effort. We are grateful to TRB for the new material and applaud the HCQS committee for all their effort – especially our own Lily Elefteriadou for leading the way as chair! We are now getting very close to being able to begin applying the updated and new procedures in practice as the HCM 6th Edition and HCS7 are poised for release.

Bill Sampson, Director
HCS7 Status

Awaiting the distribution of the 6th Edition of the Highway Capacity Manual by the Transportation Research Board (TRB), McTrans is moving forward with the development of the Highway Capacity Software (HCS7). Once the HCM is published, we will confirm the final details against the draft version used for our implementation prior to releasing the software – to review changes to some variable definitions and example problems that we understand have changed in the meantime.

Freeways Rebuilt

In HCS7, the Facilities module is appropriately renamed as Freeways since it now incorporates individual segment analyses as options.

This new module will incorporate all segment and facility updates to the procedures, including managed lanes, work zones, truck procedures, mixed-flow model and travel time reliability.
How to Set Up a Training Session

Scheduling a training course is easy and risk free. McTrans can arrange everything, only needing your help with the venue and local promotion, or we can provide the instruction and course materials for your meeting or conference – we are very flexible. We can present live courses in your area or for your organization, or set up a webinar series to cover the material remotely – saving time and travel for all participants. Workbooks are always provided, as are certificates to document PDH credit. Just let us know what you need and we will work with you to make it happen.

Highway Capacity Analysis Webinar Series

Including Detailed Information on HCM 6th Edition and HCS7

This webinar series presents lectures, software demonstrations and application examples on the Highway Capacity Manual (HCM) procedures – including updates coming in the 6th Edition. Step-by-step instructions of the HCM methodologies will be provided for each analytical chapter. The Highway Capacity Software (HCS) implements and automates the HCM procedures. Each lecture will be followed by working example problems and a software demonstration using the HCS7 prototype. A comprehensive workbook is provided to include all slides. Registration is provided in four sections (Streets, Unsignal, Freeways and Highways) with the Overview included with any registration and a discount for the entire series.

The series is organized over two days as follows with all presented from 9:00 AM to 12:00 PM and 1:00 PM to 4:00 PM ET. Detailed course descriptions and registration can be found at mctrans.ce.ufl.edu/training.

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Overview of the new HCM and Comparisons with HCM 2010 Major Changes

- Basic Freeway, Freeway Weaving and Freeway Merge & Diverge Segments (Speed-Flow Curves, Managed Lanes, Weather, Incidents, Calibration, Trucks)
- Freeway Facilities, Multilane Highways and Two-Lane Highways (Travel Time Reliability, ATDM, Managed Lanes, Weather, Incidents, Trucks)
- Unsignalized Intersections including TWSC, AWSC and Roundabouts
- Signalized Intersections (Unsignalized Movements, HV & Grade, Planning)
- Urban Streets Segments and Facilities including Reliability and ATDM (Roundabout Corridors, Sustained Spillback, Lane Blockage, RTOR, LOS)
- Ramp Terminals and Alternative Intersections (DDI, DLT, RCUT, MUT) (Experienced Travel Time, Extra Distance Travel Time, U-Turn Crossovers)
- HCS7 Demonstration of Ongoing HCM6E Implementation Progress.

HCM 6th Edition Webinar Video

The Highway Capacity Manual (HCM) is now being finalized to produce the 6th Edition of the HCM. This ninety-minute video provides an overview of the changes as compared with the current HCM 2010, including some methodological details and a preview of the implementation in the Highway Capacity Software (HCS7) – check our training page for availability at mctrans.ce.ufl.edu/training.