

ICDM-Veta Workshop

Intelligent Construction Data Management with Veta Software

IICTG 2017 Conference

Great Hall, Renaissance Minneapolis Hotel, Minneapolis, MN USA

1:00 PM to 5:00 PM, Tuesday, September 26th, 2017

Agenda

Time	Topics
1:00 PM – 2:00 PM	Session 1 – Basics of Intelligent Compaction (IC) and Paver-Mounted Thermal Profiles (PMTP) <ul style="list-style-type: none">• How IC and PMTP works• Basic data viewing and analysis (INDOT asphalt IC data example) Session 2A – Advanced IC Analysis Import IC example data files
2:00 PM – 2:15 PM	Break
2:15 PM – 3:45 PM	Session 2A – Advanced IC Analysis Download IC data in Advance – see details below. <ul style="list-style-type: none">• Advanced data analysis (MnDOT IC data example)• AASHTO IC and PMTP Naming Convention
3:45 PM – 4:00 PM	Break
4:00 PM – 5:00 PM	Session 2B – Advanced PMTP Analysis Download PMTP data in Advance – see details below. <ul style="list-style-type: none">• Advanced data analysis (MnDOT PMTP data example)• Sneak preview of Veta 5.0 (Direct Data Download to Veta from the Cloud)

Workshop Trainers/Assistants

Dr. George Chang, Transtec Group

Ms. Rebecca Embacher, MnDOT

Mr. Curt Turgeon, MnDOT

Mr. Mike Johnson, MnDOT

Mr. Jim Schneider, MnDOT

Mr. Randy Tilseth, MnDOT

Eyoab Zegeye, American Engineering Testing

Instructions for Software Download and Installation

This workshop is a computer-hands-on-centric training. Attendees are encouraged to bring their own laptop computers. Please follow the instructions to download and install the Veta software and example files prior to the workshop.

Software

Veta 4.3.21 Workshop will be used for this workshop.

Please download the Veta Workshop software from the following weblink (if the clicking doesn't work, copy the URL and paste to your web browser):

(<http://www.intelligentcompaction.com/downloads/software/Veta-4.3.21-Workshop.msi>)

Installation

Requirements

- Veta 4.3 is supported on **64-bit versions of Windows 7 SP1 or later**. Microsoft .NET 4.6.2 is required. If in doubt, please contact your IT people.
- Veta will run with 4 GB of RAM, but we recommend at least 8 GB.

Installation Guide

- Previous versions of the same family will be automatically uninstalled. For example, 4.3 will uninstall previous 4.3 versions, but will not uninstall 4.2. The two versions can co-exist side-by-side.
- You must have sufficient privileges to install applications on your computer. If you receive an error message during the installation, ask your administrator to install the software for you. If your administrator is also unable to install the software, then please contact us.
- To uninstall the software, go to Programs and Features in the Windows Control Panel. ***** If you have installed the regular build of Veta 4.3.21 installed, please uninstall it. Then, reinstall the Veta 4.3.21 Workshop version. *****

Example files

1. The "MODOT asphalt IC-PMTP data example" is included in the Veta workshop software installation. After the Veta installation, this example can be located in:

"C:\Users\Public\Documents\Veta 4.3 Samples\Trimble-MOBA-MO-HMA"

A PDF file is also included under the above folder for detailed instructions.

2. The "MnDOT IC data example" and "MnDOT PMTP data example" are included in a zip file that can be downloaded from the following weblink (if the clicking doesn't work, copy the URL and paste to your web browser):

(<http://www.dot.state.mn.us/materials/amt/icdocs/examplecasestudies/2017/IICTG%20Workshop%202017.zip>)

***** DOWNLOAD IC DATA IN ADVANCE ***** Due to the size of the above download (440MB), please download the files at your earliest convenience when accessing to highspeed internet. Check the file size after the download to ensure the download is successful.

After download, unzip the file to your computer's desktop, shown as "IICTG Workshop 2017". The unzipped file would include three subfolders: IC (IC example files), PMTP (PMTP example files), and Print Handouts for use in Workshop (handouts for IC and PMTP hands-on exercises). Please bring your own hard copies of the handouts.

Documents and References

Due to limited time during the workshop, we'll have to skip a lot of details of IC and PMTP technologies. Therefore, please refer to the following documents:

- [FHWA-Transportation Pooled Fund: Intelligent Compaction Final Report](#)
- [FHWA Intelligent Compaction and Asphalt In-Place Study Final Report](#)
- [MnDOT IC Data Guidelines for Viewing and Export](#)
- [FHWA Tech Brief: IC Pre-mapping](#)
- [FHWA Tech Brief: Color-coded IC Maps](#)
- [FHWA Tech Brief: IC Specifications](#)
- [Transition from Veta 4.1 to Veta 4.3](#)

Contact Information

Workshop Facility

Patte Hahn, hahnp@egr.msu.edu, +1 (517) 303-9637

Workshop Contents

George Chang, GKChang@TheTranstecGroup.com, +1 (512) 659-1231

Veta Software Install and Sample Files

IC Support, ICSupport@TheTranstecGroup.com