

Q&A for . . .

Automated Quantities – Ch 1

Introduction

May 4, 2016

Q: Where can I find the recording, power point and questions & answers for this webinar?

A: All the current 2016 Florida Department of Transportation (FDOT) Engineering/CADD Systems Office (ECSO) webinars are now posted onto a new YouTube website:

<https://www.youtube.com/channel/UCT2GSoQtPEMg7jiUlee67fw>

Many of the prior recordings of training webinars will also be accessible from this YouTube website.

**** Please take the time to Subscribe and watch the introductory video. (free of charge)****



A: All webinar recordings along with any Presentation and Q&A documents, can still be accessed from the ECSO *Posted Webinar* website as well:

<http://www.dot.state.fl.us/ecso/downloads/GoToMeetingTraining/PostedWebinars.shtm>

Q: Where can I find the FDOT CADD Training Manuals?

A: The ECSO CADD Training Manuals, along with their associated training data sets, can be downloaded from the ECSO website: <http://www.dot.state.fl.us/ecso/main/FDOTCaddTraining.shtm>

A: ECSO is striving to record all CADD Training Manuals thru training webinars and have them accessible from our YouTube website as well: <https://www.youtube.com/channel/UCT2GSoQtPEMg7jiUlee67fw>

Q: How can I get on the list for email alerts for future ECSO CADD Webinars or Notifications?

A: The [FDOT Contact Management](#) is available for participants to sign up for email alerts as the webinars are scheduled and notifications are released. Just check the “CADD” options under each applicable section. Select here for a [“How to use FDOT Contact Management”](#) help document or an [“FDOT Contact Mailer”](#) webinar.

A: ECSO’s current *Scheduled Webinars* can be accessed for registration at:

<http://www.dot.state.fl.us/ecso/downloads/GoToMeetingTraining/ScheduledWebinars.shtm>

Q: Where can I connect to the on-line FDOT CADD Support Forum?

A: http://communities.bentley.com/communities/user_communities/fdot_cadd_support/

Q: How can I connect with a CADD Support representative?

A: ECSO welcomes all your offers of presentations and suggestions of topics to assist your needs. Feel free to contact this office with any comments, suggestions and questions via our support email:

ecso.support@dot.state.fl.us

A: The FDOT [CADD Manual](#) and [Customer Support Guide](#) documents may also be of assistance.

Q: Is it acceptable to name the file QTDSRD_Mainline.dgn in case you have multiple side roads?

A: Yes it is acceptable, especially when you have a large project with multiple people working on the quantities at one time. Breaking down the file into segments allows for better management of workload. If only 1 person is working on the quantities, then this is not necessary and the standard naming convention would apply, QTDSRD01.dgn.

Note: Make sure to maintain the first 6 characters of the file name in order for the file to be correctly check by the QC software.

Q: The other drawback to multiple models, is changing something, i.e. for plans update; there seems to be a potential nightmare with 20 different models?

A: There are always pros and cons to any workflow used to accomplish our tasks in design and plans updates always require thought to insure that all quantities, pay items, sheets, notes, etc. are taken into account and modified for the changes made. What is more important here is the down flow customer, Construction.

Q: Please explain the difference between asphalt lifts and assigning attributes to shapes to get good tons quantity for 2" of asphalt.

A: Lift is the adhoc attribute assigned to a shape to define the thickness of asphalt as it is defined in the pavement design. It does not have any bearing on the number of lifts the contractor may use to place the total amount of asphalt needed. In the example given, the adhoc, Lift, would be defined as 2 when creating the shape. That number is then used in the formula for calculating the tonnage for the given area. Adhocs and their uses are covered in Chapter 3.

Q: Can you demonstrate how to calculate multiple pay items at once into the mdb?

A: Multiple pay items can be calculated at the same time using either categories instead of individual items or by using collection sets. This will be covered in Chapter 2 and 4.

Q: When you import your quantities into AASHTOWare (Trns*port) directly from QM, are all of the quantities erased and replaced with whatever is in QM (Removes all Group 200 Pay items and replaces with whatever is in QM) or does it append/replace only what is in QM?

A: It will only add or replace the items from the import xml file. This is covered in Chapter 7 of the manual. This is not a part of the webinar series but has been recorded in the webinar CADD Workflow for Quantities with Designer Interface found on the CADD Office Posted Webinars site or from the Help options in Designer Interface and Webgate Reporting.

Q: Can duplicate shapes and/or keeping original lines for a shape border result in shape quantity errors?

A: Duplicate shapes can result in incorrect quantities being produced and sometimes issues with certain tools. It is best to delete duplicate elements from a file to avoid these problems. Keeping the original lines when creating a shape should not cause any errors. Creation of shapes is covered in Chapter 4.

Q: Will you be looking into calculating overbuild in the upcoming weeks?

A: We have added this topic to a list of potential webinars that our office reviews periodically throughout the year. This webinar series will touch on documenting these quantities but does not specifically cover calculating these quantities.