CADD Workflow for Quantities with Designer Interface



Denise J Broom
FDOT
Engineering CADD Systems Office

Objectives

- Learn the recommended CADD workflow for getting quantities to Web Trns*port (wT).
- Show the new enhancements and features in the new Designer Interface.
- Learn how to generate the Summary of Pay Items
 Report from Webgate Reporting and create the Summary
 of Pay Items sheets in the CADD workspace.



Acronyms Used

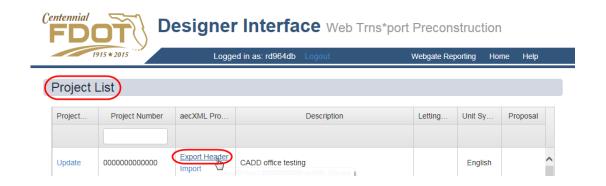
- Designer Interface (DI)
- Web Trns*port (wT)
- Quantity Manager (QM)
- FDOT Takeoff Manager (FTM)

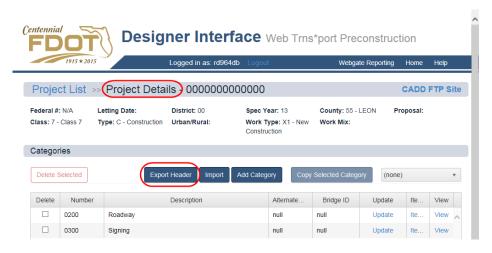


- 1. Export the Project Header information (xml file) from DI
- 2. Import the project header info into QM Project Preferences
- 3. Export the quantities report from QM (xml file)
- 4. Import the quantities to the project in DI



- 1. Export the Project Header information (xml file) from DI
 - This can be done in 2 locations...
 - Project List
 - Project Details
 - (Click Update in the Project column to get to the Project Details)





On either screen, select Export Header.



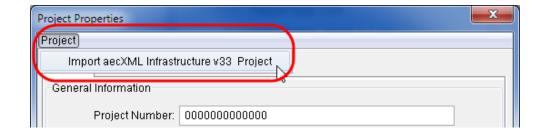
- 1. Export the Project Header information (xml file) from DI
 - Select the drop down option beside the Save option and choose Save As.
 - Save the xml to the project discipline directory (i.e. Roadway).

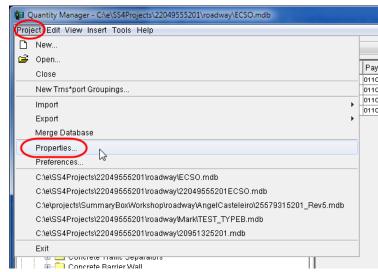
Contact the Service Desk Web Policies & Notices		1
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Do you want to open or save 000000000000xml (770 bytes) from fdotwp1.dot.state.fl.us? Open Save ▼ Cancel	© 100% ▼	



- 1. Export the Project Header information (xml file) from DI
- 2. Import the project header info into QM Project Preferences
 - In QM, select Project > Properties.



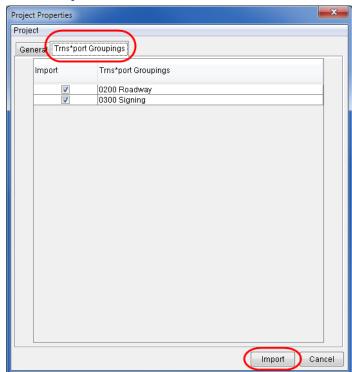






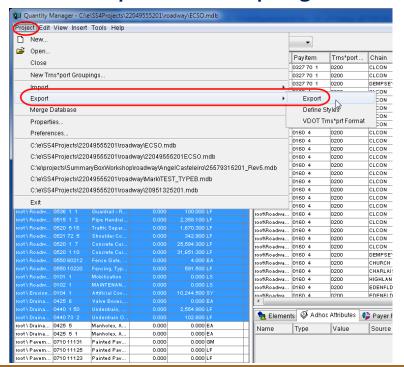
Select the downloaded file select Open.

- 1. Export the Project Header information (xml file) from DI
- 2. Import the project header info into QM Project Preferences
 - The Project Properties dialog opens with a new tab for the Trns*port Groupings.
 - Select the desired options and then click Import.



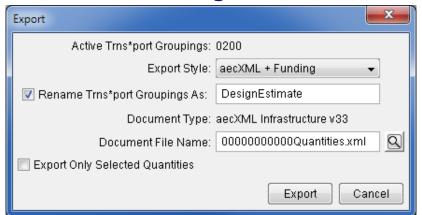


- 1. Export the Project Header information (xml file) from DI
- 2. Import the project header info into QM Project Preferences
- 3. Export the quantities report from QM (xml file)
 - In the Payitem Table view of the Pay Item Pane, select all of the pay items desired to be exported.
 - Make sure the Trns*port Grouping is set correctly.





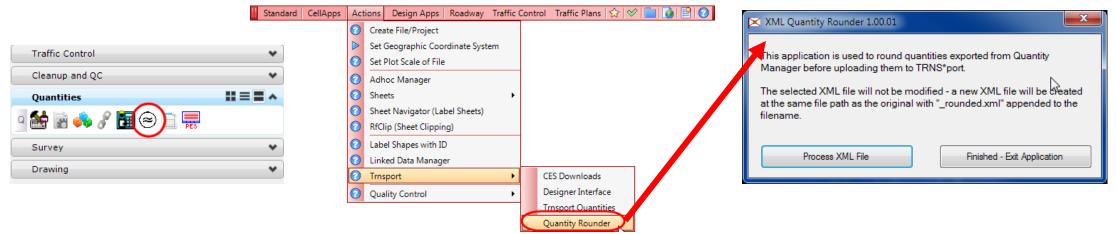
- 1. Export the Project Header information (xml file) from DI
- 2. Import the project header info into QM Project Preferences
- 3. Export the quantities report from QM (xml file)
 - On the Export dialog, select the Export Style, aecXML + Funding
 - Toggle ON the Rename option and leave as the default "DesignEstimate".
 - Type in a name for the xml file generated.
 - · Click Export.





- Click OK on the information dialog about Properties missing. This is normal. The file generated will have all the necessary information.
- Click OK on the Export Complete information dialog.

- 1. Export the Project Header information (xml file) from DI
- 2. Import the project header info into QM Project Preferences
- 3. Export the quantities report from QM (xml file)
 - In MS, open the Quantity Rounder tool.
 - Located on the FDOT Plans Development task menu > Quantities
 - OR on the FDOT Actions Menu under Trnsport



- Click Process XML File.
- Navigate to and select the file exported from QM.
- Click OK on the Created file dialog and then click Finished Exit Application.



- 1. Export the Project Header information (xml file) from DI
- 2. Import the project header info into QM Project Preferences
- 3. Export the quantities report from QM (xml file)
- 4. Import the quantities to the project in DI
 - On either the Project List or Project Details view, click on Import.



- Click on Select Files... and then navigate to the file exported and then rounded from the project directory. (It will have _Rounded appended to the file name.)
- Once selected click on Upload file.



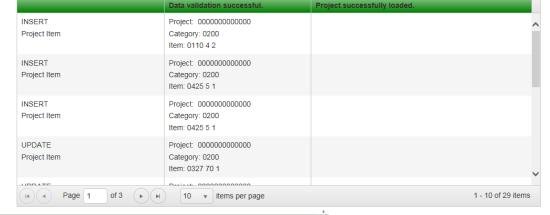
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The results will show up on the screen. This is ALL

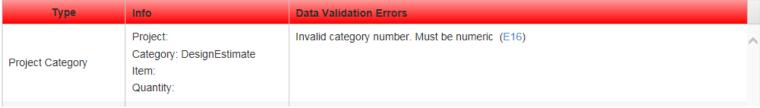
or nothing.

Green - Load Successful

Red - Errors (nothing loaded)





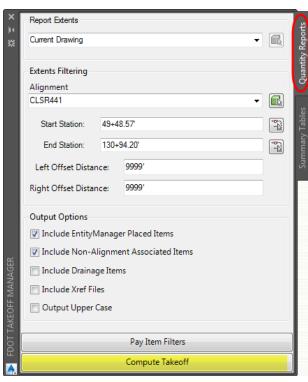


- 1. Export the Project Header information (xml file) from DI
- 2. Export the quantities report from FTM (xml file)
- 3. Import the quantities to the project in DI



- 1. Export the Project Header information (xml file) from DI
- 2. Export the quantities report from FTM (xml file)
 - Open FDOT Takeoff Manager from the FDOT Ribbon
 - Select the Quantity Reports tab
 - Set up the dialog with the required information and desired options
 - Click Compute Takeoff







- 1. Export the Project Header information (xml file) from DI
- 2. Export the quantities report from FTM (xml file)
 - FDOT Takeoff Manager Report Viewer opens
 - Select the Create TRNS*PORT File button

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Count Takeoff Report									
Pay Item	Description	Object Name	Quantity	Unit	Baseline Alignment	Start Station	End Station	Min Offset	Max Offset
0700 112	Single Post Sign, F&I Ground Mount, 12-20 SF	BlockReference	1	AS	CLSR441	73+20.00	73+20.00	54.00 RT	54.00 RT
		Quantity Total:	1						
0706 3	Retro-Reflective Pavement Markers	BlockReference	1	EA	CLSR441	49+48.57	49+48.57	24.00 LT	24.00 LT
	Retro-Reflective Pavement Markers	BlockReference	1	EA	CLSR441	49+88.57	49+88.57	24.00 LT	24.00 LT
	Retro-Reflective Pavement Markers	BlockReference	1	EA	CLSR441	50+28.57	50+28.57	24.00 LT	24.00 LT
	Retro-Reflective Pavement Markers	BlockReference	1	EA	CLSR441	50+68.57	50+68.57	24.00 LT	24.00 LT
	Retro-Reflective Pavement Markers	BlockReference	1	EA	CLSR441	51+08.57	51+08.57	24.00 LT	24.00 LT



- 1. Export the Project Header information (xml file) from DI
- 2. Export the quantities report from FTM (xml file)
 - Create TRNS*PORT Upload File opens
 - Navigate to the Project Header xml file downloaded from DI
 - Set the Output File Location with a file name
 - Select Create Upload File

Create TRNS*PORT Upload File
TRNS*PORT XML Input File
Exported Project Header XML File
Project Name
Project Number
Description
Default Unit System Spec Book Version
TRNS*PORT XML Output File
Output File Location:
Create Upload File





Manual Entry - Designer Interface

WebGate page can be accessed from FDOT Menu or

Quantities Task Menu





Standard | CellApps |

Actions Design Apps Roadway 😭 <equation-block>

Set Geographic Coordinate System

Create File/Project

Set Plot Scale of File Turn Level Filters On Turn Level Filters Off

Adhoc Manager

 Let's take a look at the new Designer Interface and the enhancements.





Access Webgate Reporting

From DI

From Webgate site

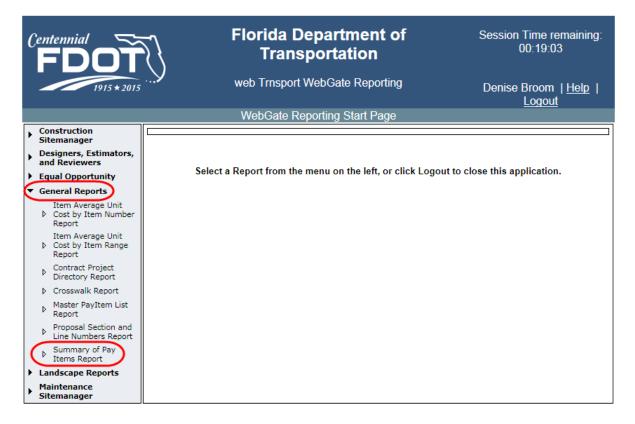
Designer Interface Web Trns*port Preconstruction

Logged in as: rd964db Logout Webgate Reporting Home Help

Project List

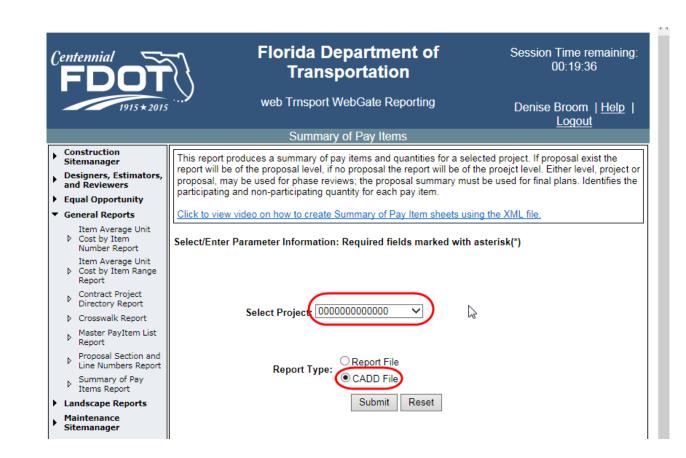
Select General Reports > Summary of Pay Items

Report





- Select the Project
- Select Report Type: CADD File
- Click Submit
- Select the Save As option
 - Rename the file if the Project Header file is named the same as the default.



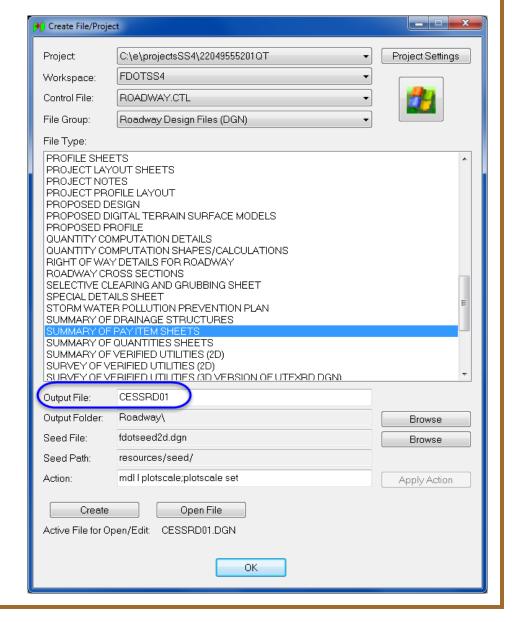
Cancel



Do you want to open or save **0000000000000.xml** from **fdotwp1.dot.state.fl.us**?

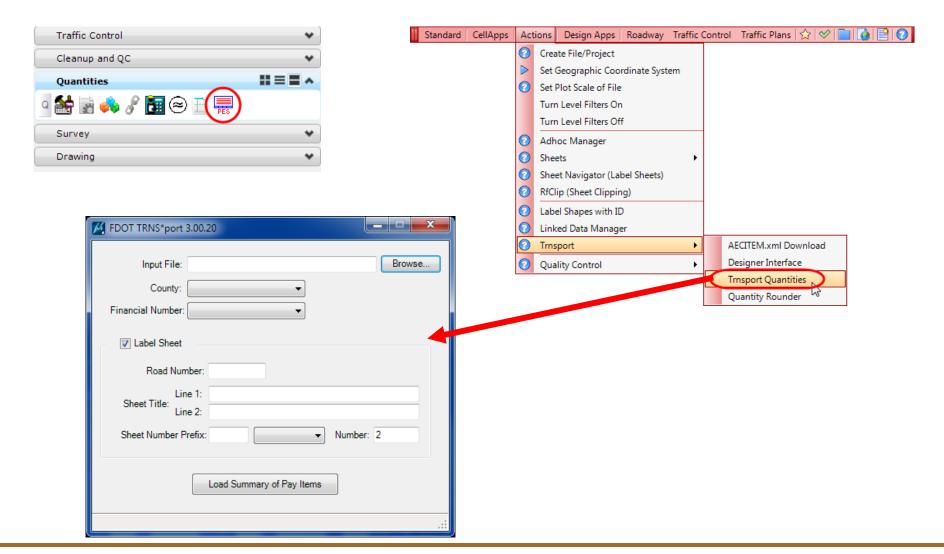
Open Save

- Summary of Pay Items sheets
 - Standard File Name CESSRD





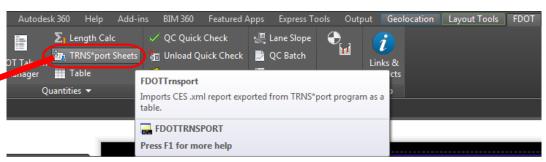
In MS, open the FDOT TRNS*port tool





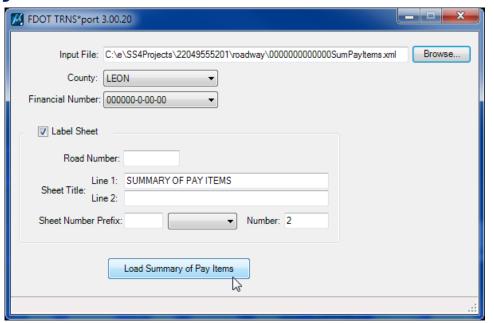
 In Civil 3D, select TRNS*port Sheets from the FDOT Ribbon.

▲ FDOT TRNS*port	3.00.22
Input File:	Browse
County:	•
Financial Number:	
Template Layout:	
Add Sheets I	to Sheet Set
Shee: Set DST:	Browse
Sheet Subset:	
Sheet Title:	
	Starting Sheet Number: 1
	Load Summary of Pay Items
	.::





- Select the Browse button and navigate to the saved Summary of Pay Items report xml file.
- County and Financial Number are pulled in from the XML file.
- Label Sheet is toggled on by default.
 - Optional
- Click Load Summary of Pay Items.
 - Always uses scale of 1.







Questions???

Thank-you for joining today's session.

Need some HELP? Contact me...

(850) 414-4751

E-mail: Denise.Broom@dot.state.fl.us

OR: ecso.support@dot.state.fl.us

http://www.dot.state.fl.us/ecso

FDOT CADD Support Forum On-line

