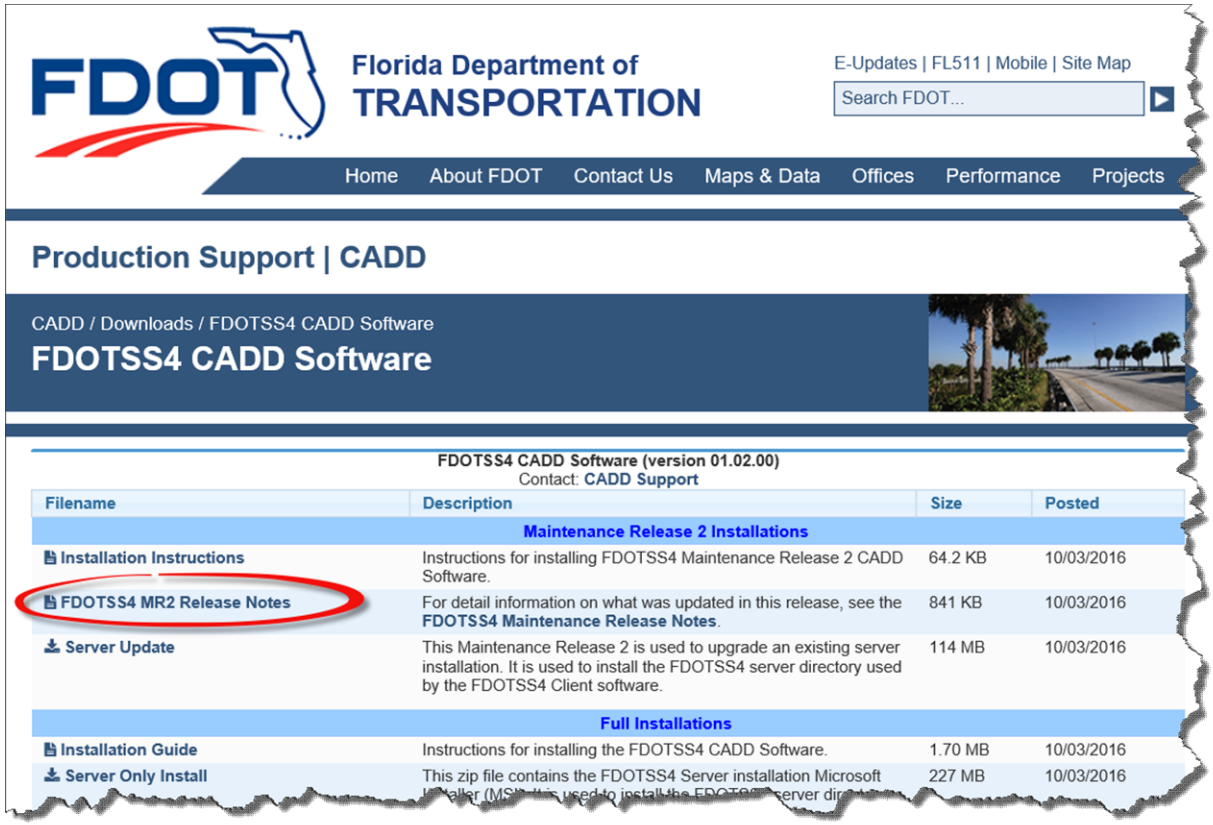
# *FDOTSS4 MR2 Update*

## Maintenance Release 2

# *Learning Objective*

- Overview of new and updated features in FDOTSS4 MR2
  - ✓ More detail available in release notes available with the software downloads:



# *Rebranding*

Engineering \ CADD Systems Office (ECSO) has recently been merged with the Production Support Office. You will now see Production Support Office | CADD or more generically just CADD instead of Engineering \ CADD Systems Office or ECSO.

- ✓ Any reference to ECSO in FDOTSS4 was updated

- ✓ ecso.support@dot.state.fl.us is being replaced by cadd.support@dot.state.fl.us

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# *FDOT Launching New Web Address*

Friday (*October 7th after 7:00 p.m.*), the web address for the department's internet website was changed from www.dot.state.fl.us to www.fdot.gov.

Office web addresses were also be renamed. Use the following link to see a list of the address for a department office:

http://www.dot.state.fl.us/agencyresources/domainchange/websites.shtm.

For more information on this project, please review the list of frequently asked questions at http://infonet.dot.state.fl.us/domainchange/questions-staff.pdf

- Links to help files have been updated.
- Shortcuts to web addresses have been updated.

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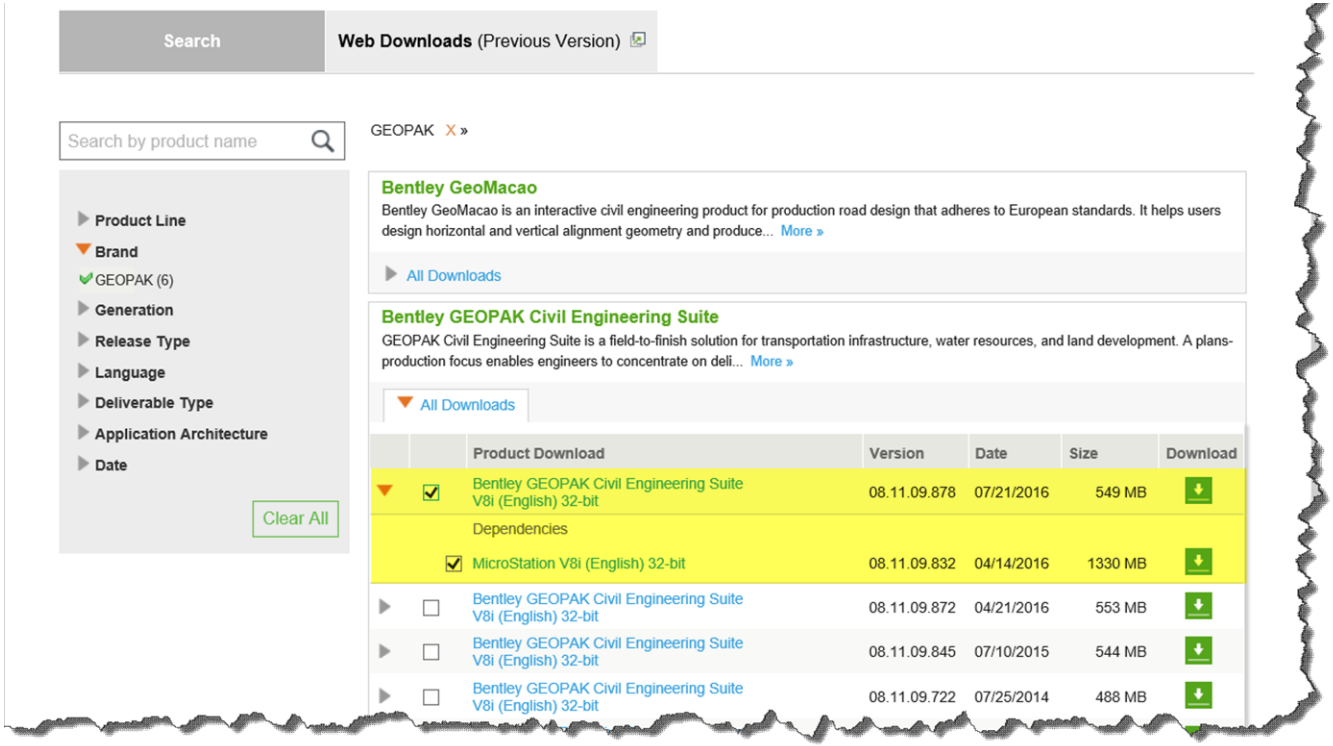
# *System Requirements Updated*

- **System Requirements**
  - ✓ Microsoft Windows 7 or Microsoft Windows 10
  - ✓ 32 bit or 64 bit Operating Systems
  - ✓ Microsoft .NET Framework 3.5
  - ✓ Microsoft Office 2013 (can be configured for Office 2003, 2007 or 2010)
  - ✓ PowerGEOPAK 08.11.09.878
  - ✓ -or-
  - ✓ MicroStation 08.11.09.832
  - ✓ GEOPAK Suite 08.11.09.878

# *Where To Find MicroStation*

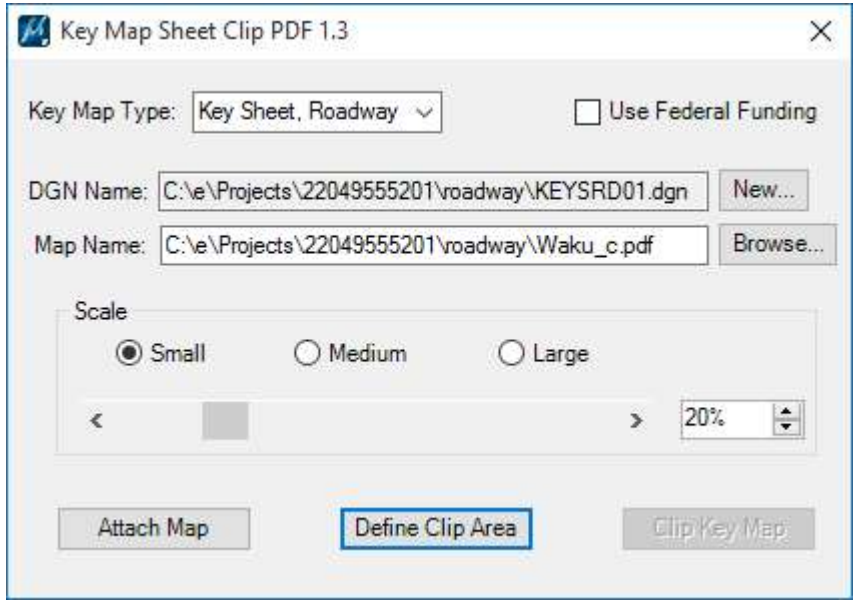
- *The best way access and download MicroStation from Bentley's SELECTServices site is to Search for the 08.11.09.878 version of the BENTLEY GEOPAK Civil Engineering Suite and download it with its dependent version of MicroStation.*



# *New PDF Key Map Clipping Tool*

A new Key Sheet clipping tool is included which attaches PDF versions of a map.

- Makes printing shaded maps easier.
- Adjust scale of clipped area easily.

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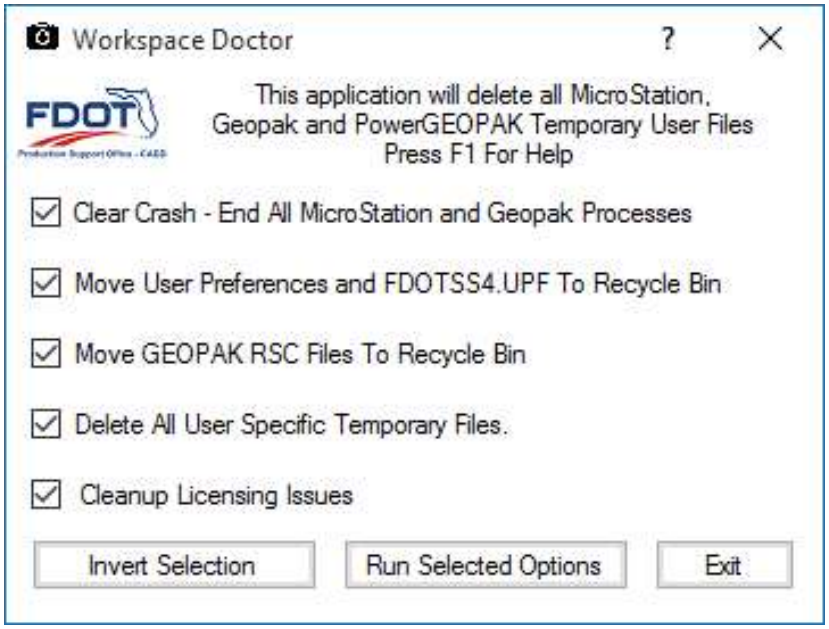
# *Workspace Doctor*

Workspace Doctor is a new application that will help you manage the temporary files used by MicroStation and GEOPAK.

- It can run Clear Crash, to stop orphaned GEOPAK processes or locked up MicroStation sessions.
- It can remove GEOPAK Resource file and MicroStation UPF files .
- It can remove temporary files in user profile.
- It can cleanup licensing issues.

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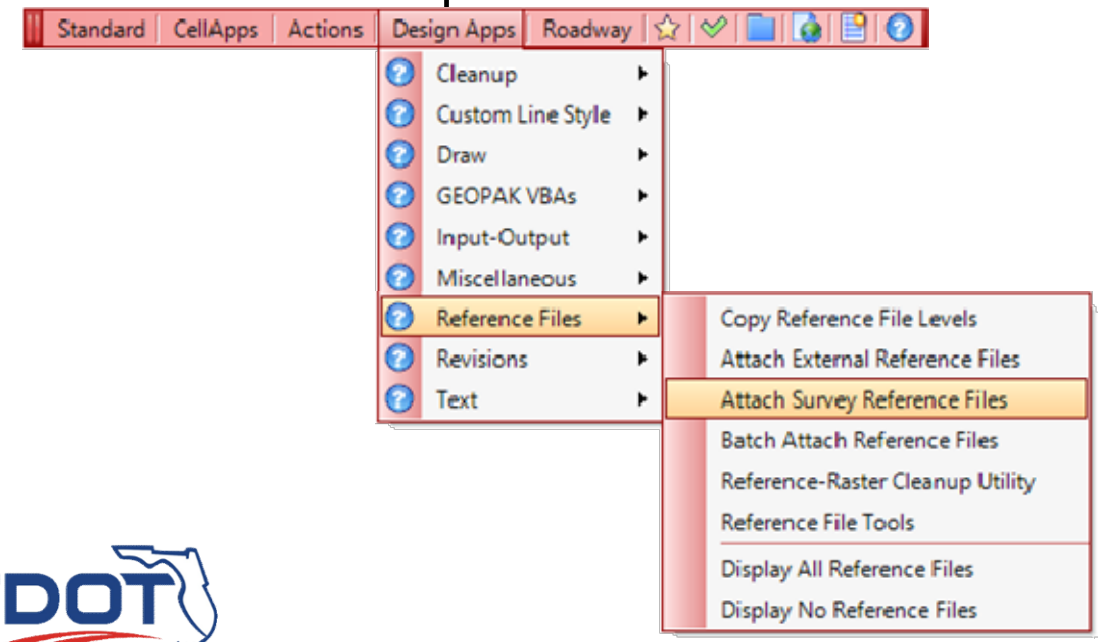
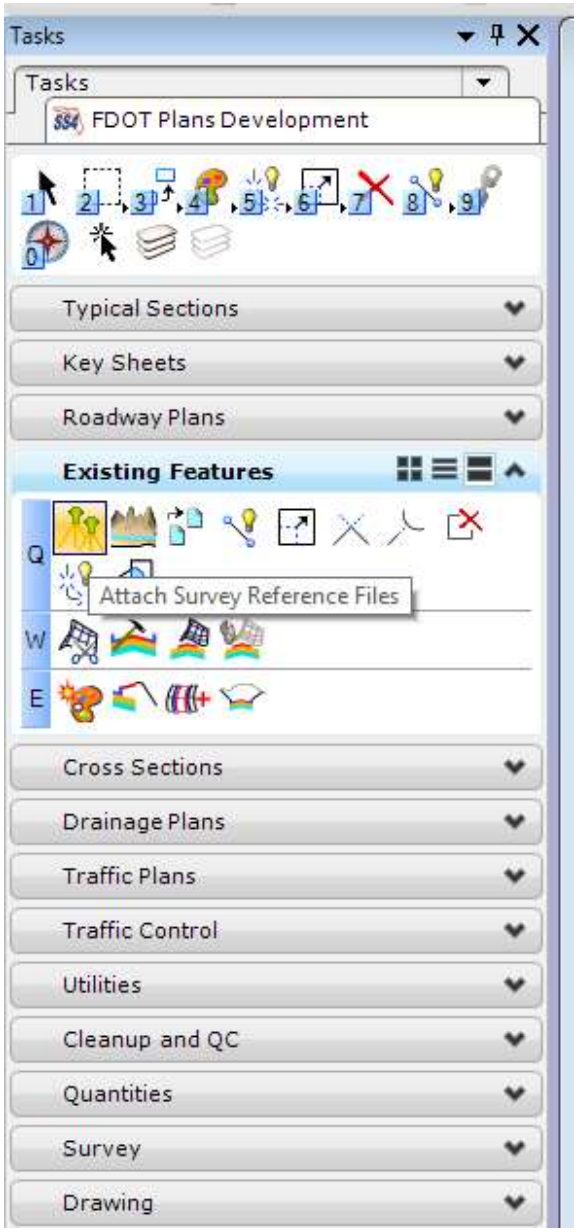
# Attach SURVRD References

- SURVRD files are a single file survey deliverable which contains the existing topo, drainage, utilities and a DTM.
- A VBA was developed to automate the attachment of multiple references to this file so the display and printing can be manages as it was when multiple files were delivered.

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# CADD Standards

- New Levels
  - ✓ DrainMisc_pm Drainage Items (Proposed Model) (Miscellaneous)
  - ✓ PipeCulvert_ex Pipe Culvert in Cross Sections (Existing Cross Section)
  - ✓ ConcreteRemoval for area computations for concrete removal (sidewalks/driveways, curb elements, ditch pavement, slope pavement, and concrete rigid pavement)
  - ✓ BLSurvey_px and CLConst_px added

- Civil Features
  - ✓ Updated features to allow 3D model to pass QC and for Cross Section cell features to plot on *_px levels
  - ✓ Added colors for construction lines
  - ✓ Added component and surface features for Pavement Asphalt FC
  - ✓ Revised the Feature Name prefix for RW , Fence, and Wetland lines to be use for labeling on cross sections
  - ✓ Updated Traffic Plans Feature library to match DDB
  - ✓ Added existing Drainage Structures for SUE

# *CADD Standards Continued*

- Level Changes
  - ✓ Correct drainage levels color to 10
  - ✓ Made corrections to some descriptions
  - ✓ Made ConstLines_pm non-plotting
  - ✓ New linestyle for TreeProtection level
- Rule Files adjusted
- Sheet Navigator updated for Structures file name changes
- Removed obsolete filenames (AMGMRD, CORRRD, & RDTMRD) and created a new filename MODLRD for Proposed Design Model

# *Survey Levels and Features*

Created new Survey Levels & Feature Codes and added to Rules - TOPORD & SURVRD:

| Feature Code | Level | |
|---|---|---|
| PAVBRK | PavtBreak_ep | Identifies a change in pavement slope |
| STAL | PavemkSTL_ep | Straight \ Left Arrow |
| STAR | PavemkSTR_ep | Straight \ Right Arrow |
| TAL | PavemkTL_ep | Left Arrow |
| TAR | PavemkTR_ep | Right Arrow |
| Umisc | UtilMisc_ep | Miscellaneous Utility |

# *LDM Updates*

## Bug Fixes

- Addressed issues with symbols not coming in correctly in Excel links

## Templates

- Added Drainage map notes from the PPM, Vol. 2, Chapter 5.
- Renamed Summary of Clearing and Grubbing & Removal Items as directed in the PPM & Program Management Bulletin 16-06 for the Selective Clearing & Grubbing.
- Summary of Pavement - Added new asphalt & friction course pay items per Program Management Bulletin 16-03 and Roadway Design Bulletin 16-05.
- Summary of Side drain and MES - Added pay items for the pipe and MES's to the summary boxes
- Summary of Guardrail – Updated for special posts

# DDB Updates

- Pavement Markings
  - ✓ Modified descriptions for consistency
  - ✓ Preformed Thermoplastic
    - Corrections for Paint Quantities
    - Added Arrows and Messages for Use on Concrete
- Litter Removal/Mowing
  - ✓ Now uses 2 different levels
- Asphalt/Friction Course
  - ✓ Items added to adhere to Roadway Design Bulletin 16-05
- Clearing & Grubbing – Roadway Design Bulletin 16-10
  - ✓ Added Selective Clearing & Grubbing Items
  - ✓ Added new Tree Barrier
  - ✓ Added new Removal of Existing Concrete Items
- Drainage
  - ✓ Added SortBy Adhoc to items that include Sod Quantities
    - Fixes sorting issue with LDM Summary Box Automation
- Minor Corrections

# *Template Library Updates*

- Set all trigger lines and switches to be excluded from triangulation.
- Added “Superelevation Shoulder Rollover Transitions“ template to “Examples for Training” folder
- Added Variable Milling/Overbuild Cross Slope Correction Templates
- Added 2 Urban Driveway Templates developed for alternative design methods on projects
- Changed the Guardrail top out block point feature to use 3D_pm line
- Added a Surface Template for SOD areas

# *Contact Info*

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