FDOT SS4 MR1 Update

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Topics Covered

- System Requirements for MR1
- Updated Manuals
- Upcoming Training
- The **NEW** FDOT YouTube Channel
- Workspace Enhancements
- 3D Drainage Cells and SUDA
- New Civil Cells
- DDB and Pay items changes
- New LDM Tables and documents
- Survey Updates

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System Requirements

FDOT SS4 MR1:

- Microsoft Windows 7

- 32 bit or 64 bit Operating Systems

- Microsoft .NET Framework 3.5

- Microsoft Office 2013

- PowerGEOPAK 08.11.09.845

- -or- MicroStation 08.11.09.714 w/ GEOPAK Suite 08.11.09.845

- **FDOT SS4 MR 1 Download:**
  http://www.dot.state.fl.us/ecso/downloads/software/FDOTSS4CaddSoftware.shtm

Updated Manuals

- Plans Development Manual:
  - http://www.dot.state.fl.us/ecso/downloads/documentation/FDOTPlanDevelopmentWorkflows/FDOTPlanDevelopmentWorkflows.shtm

- **NEW!!** Digital Delivery Manual
  - Will be posted to the Training Manuals page this week!

- Updated CADD Manual
  - Will be released within the next 30 days!

Upcoming Training

- FREE Regional Training in D4:
  - February 23rd and 24th 2016.
  - https://www.eventbrite.com/e/south-florida-regional-cadd-training-february-23-24-2016-tickets-19064817382

- FDOT Design EXPO – Daytona Beach
  - June 13th thru June 15th 2016.
  - http://www.dot.state.fl.us/officeofdesign/Training/DesignExpo/2016/default.shtm

- Spring FLUG – Cocoa Beach
  - June 28th thru July 1st 2016.

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FDOT CADD Office YouTube Channel

- 4 YouTube Channels:
  - Main Channel – FDOT CADD Office: will host all subsequent channels. Also, will display updates and upcoming training.
  - https://www.youtube.com/channel/UCT2GSoQtPEMg7jjUlee67fw
  - Subsequent Channels
    - FDOT CADD Training Channel
    - FDOT CADD Help Channel
    - FDOT Webinars Channel

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Workspace Enhancements

- QC Quick Check
  - Now includes checking for non-compliant features in the 3D model.
  - Does not fix the feature or level. They get highlighted QC Quick dialog.

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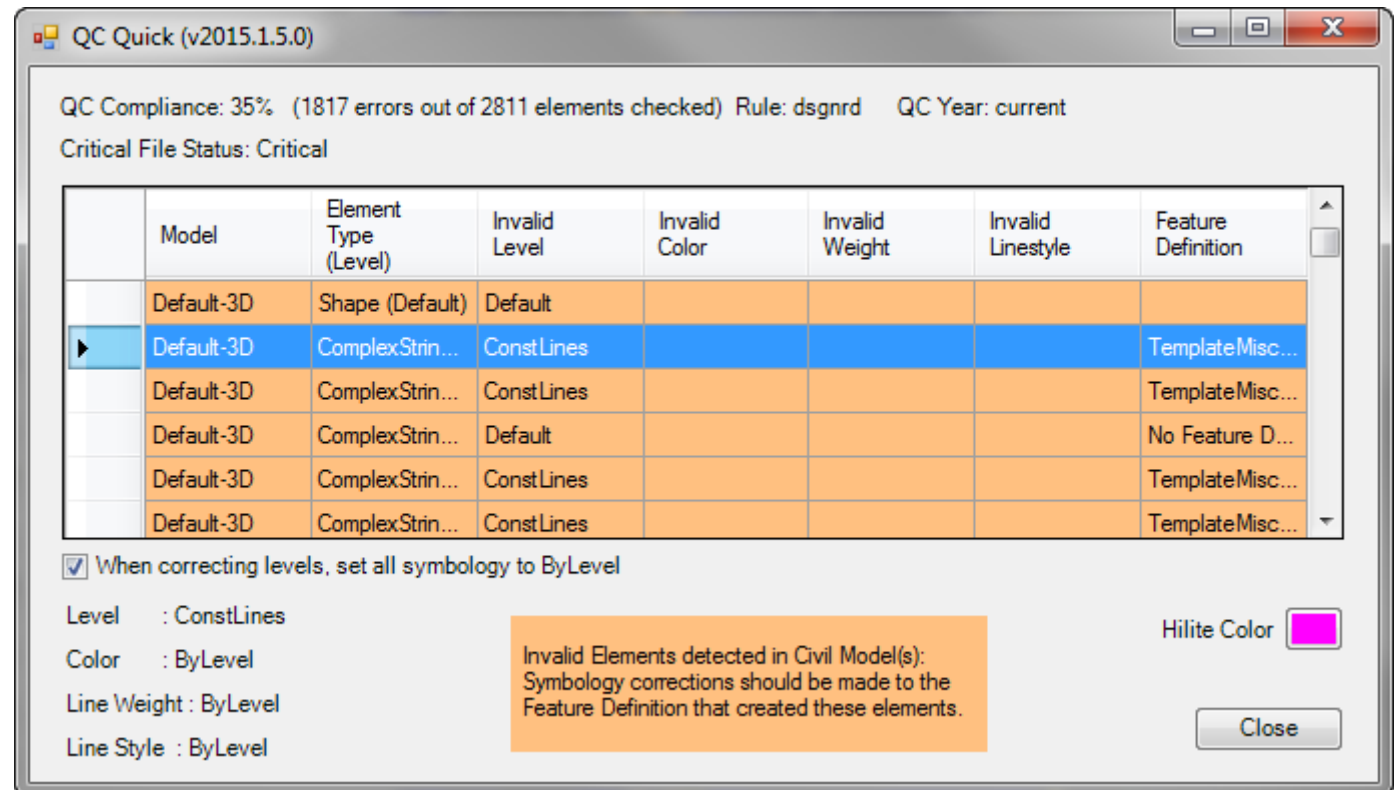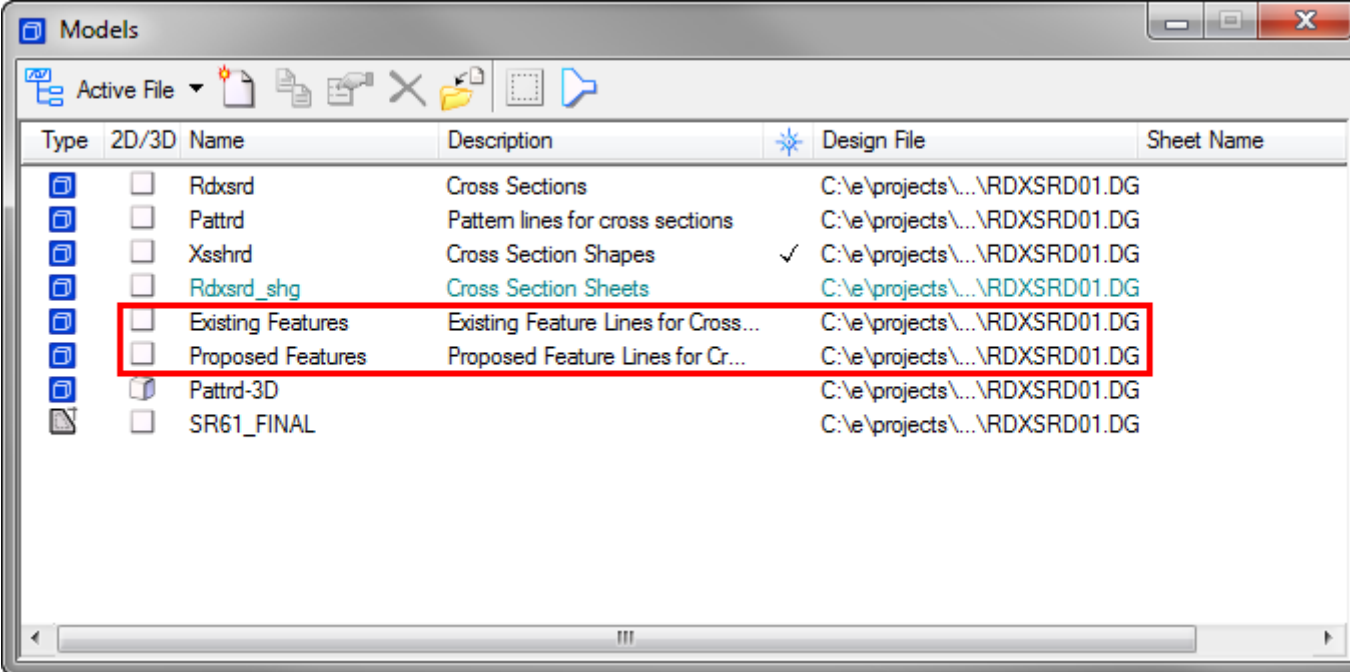
Workspace Enhancements

- Merge XS tool
  - Allows you to merge cross section models together.
  - FDOT Plans Development > Cross Sections > Merge Cross Sections.
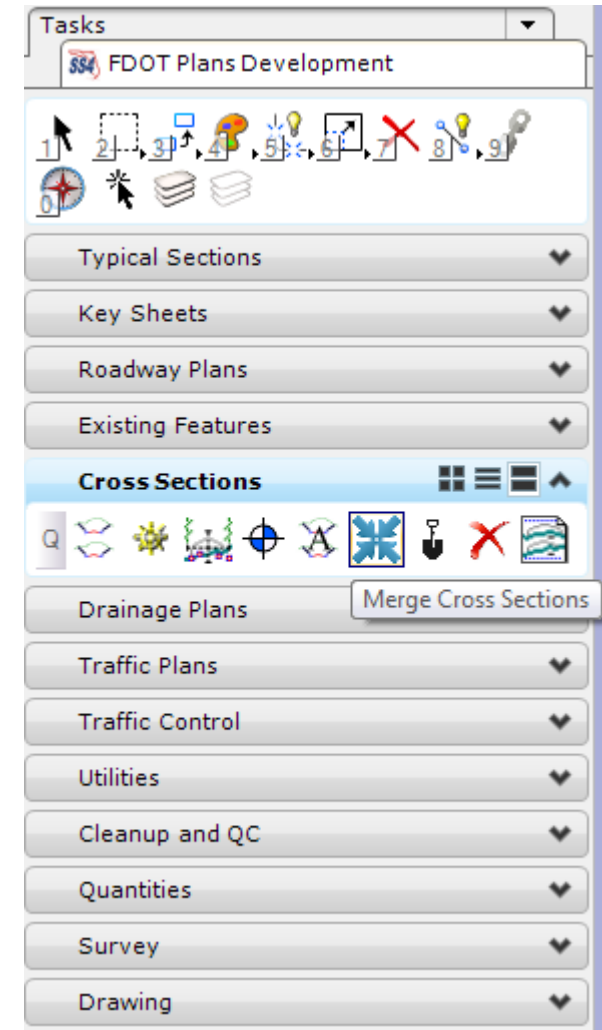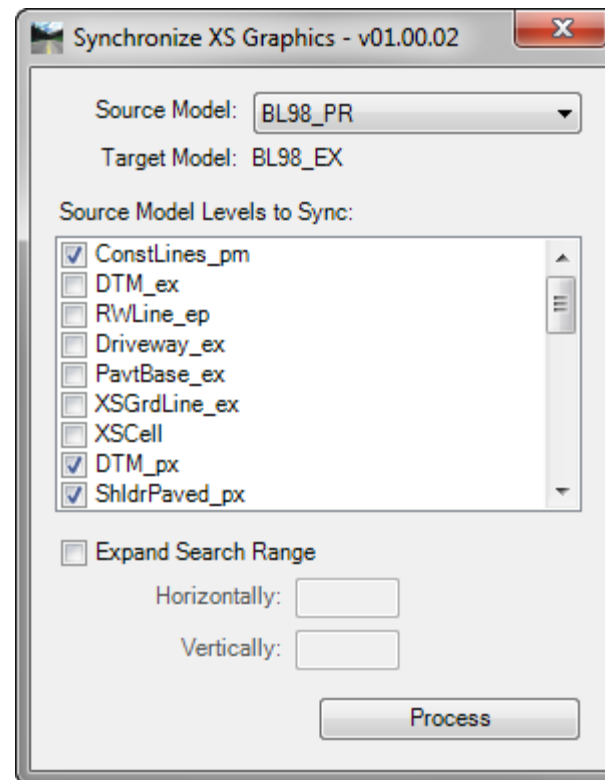
Workspace Enhancements

- XS Models
  - There are 2 new models that are created in the XS file:
    - Existing Features
    - Proposed Features
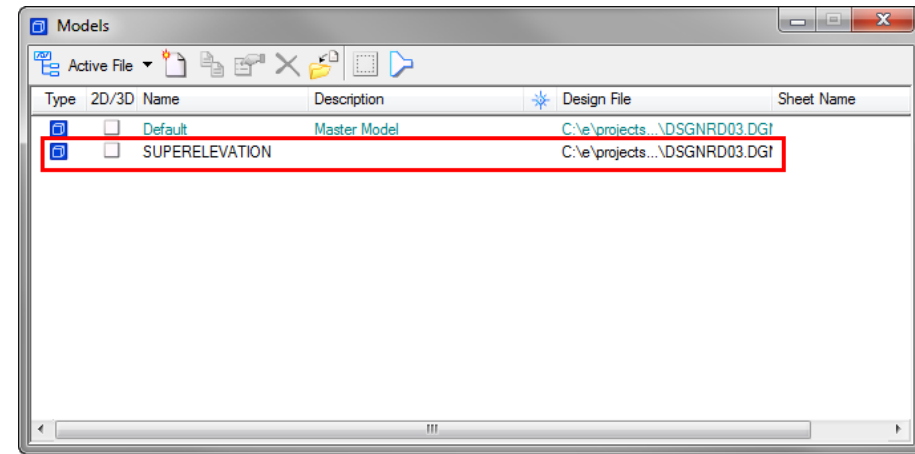
Workspace Enhancements

- Superelevation Tables
  - The eRounding parameter for the superelevation tables now round to the hundredth decimal place.

Superelevation	Name	Station	Curve Set	Cross Slope
left	left - 698+53	698+53.789 R1		-2.000%
left	left - 701+29	701+27.862 R1		-2.000%
left	left - 702+24	702+23.786 R1		0.000%
left	left - 703+19	703+19.709 R1		2.000%
left	left - 706+80	706+80.862 R1		9.530%
left	left - 712+15	712+13.907 R1		9.530%
left	left - 715+76	715+75.060 R1		2.000%
left	left - 716+71	716+70.983 R1		0.000%
left	left - 717+66	717+66.907 R1		-2.000%
left	left - 726+42	726+41.488 R1		-2.000%

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Workspace Enhancements

- "Super Model" or Superelevation Model
  - There is now a superelevation model that gets created when you create a DSGNRD file using the create file tool.
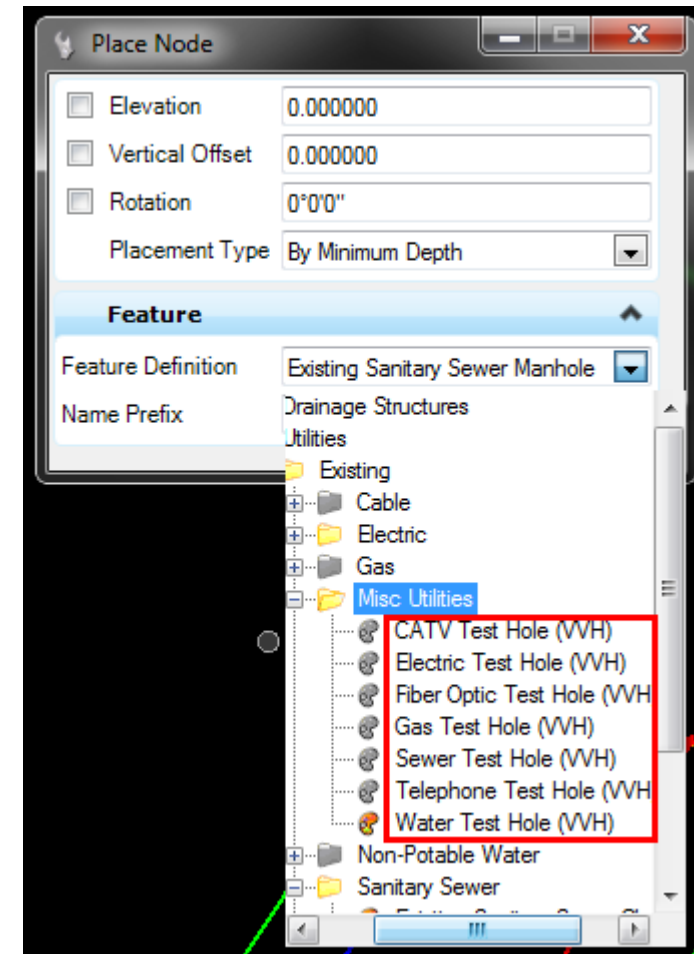

- Vertical Alignments
  - Vertical alignments now use K values instead of minimum curve lengths.

Workspace Enhancements

- Multiple test holes for utilities
  - There are now test holes for each type of utility (i.e. water, sewer, gas...)
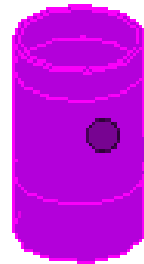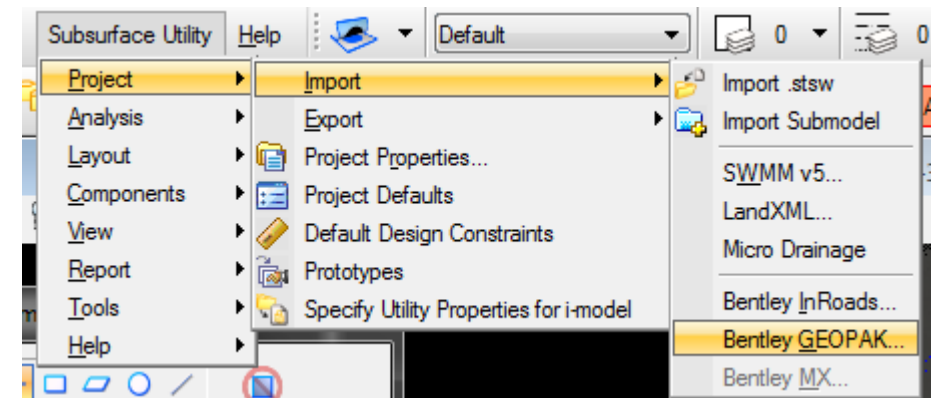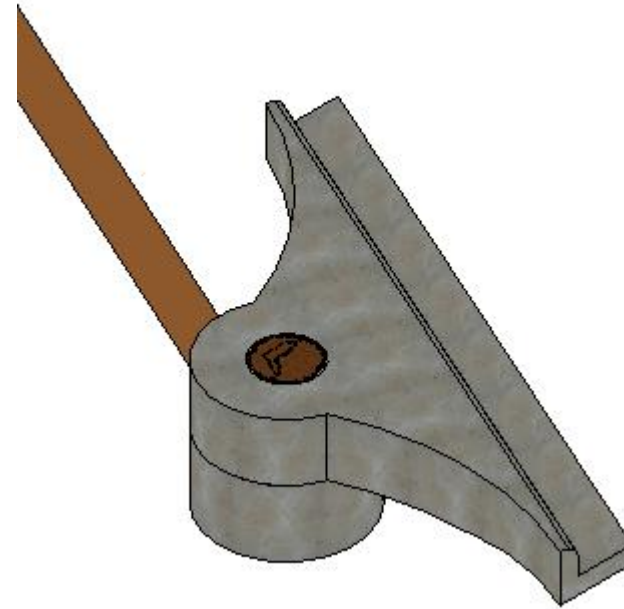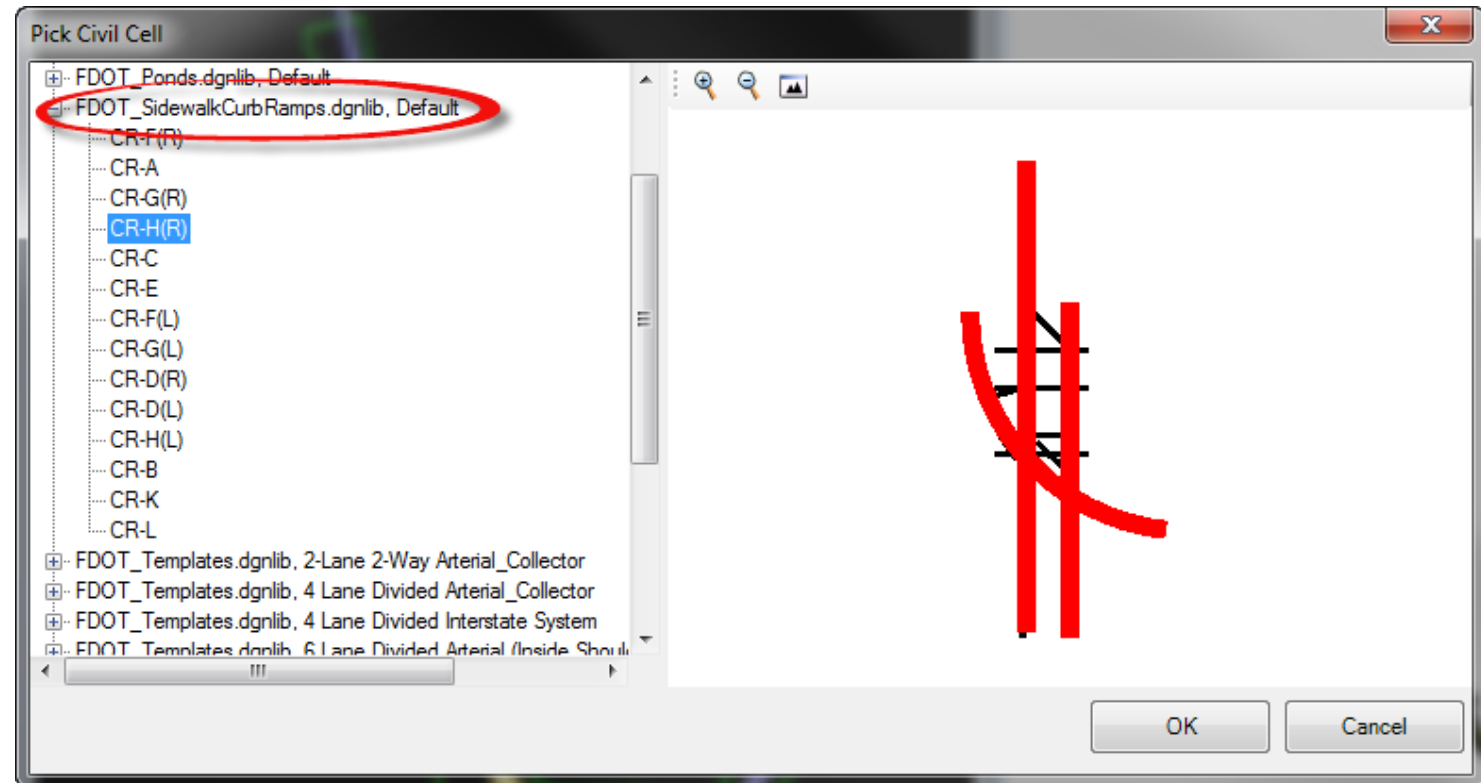
3D Drainage and SUDA

- 3D Drainage is now available!

- Existing GDF files can be imported into a 3D model.

- SUDA can be used to create drainage projects.

- Training will be coming soon!

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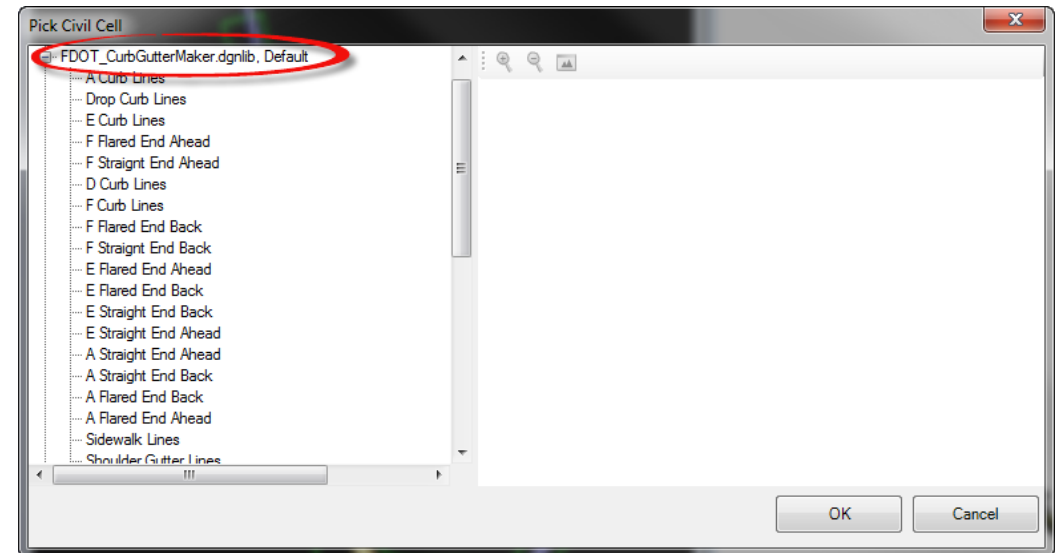
New Civil Cells

- Complete Set of Curb Cut Ramp Civil Cells
  - FDOT_SidewalkCurbRamps.dgnlib

New Civil Cells

- "Curb & Gutter Maker" Civil Cell
  - Workflow to replace Curb and Gutter Maker tool.
  - FDOT_CurbGutterMaker.dgnlib
  - Youtube Help Video:
    https://www.youtube.com/watch?v=2lvDqn46F80&list=PLavISlrHb34FuJ-hqf-dvin3llpDZRtR5

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DDB and Pay Item Changes

- Permanent Pavement Markings
  - DDB item can now calculate paint and thermoplastic simultaneously from 1 MicroStation element.

- A 50' Type A Loop has been added for signals

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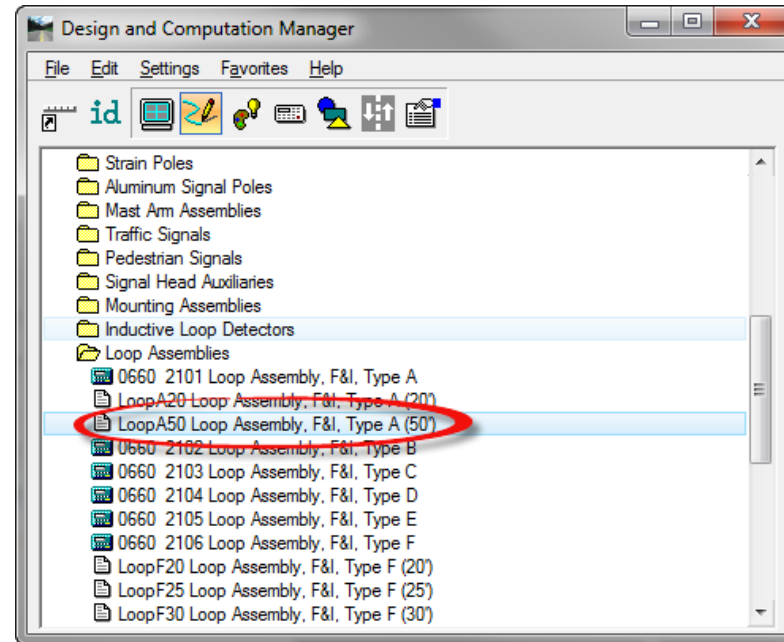
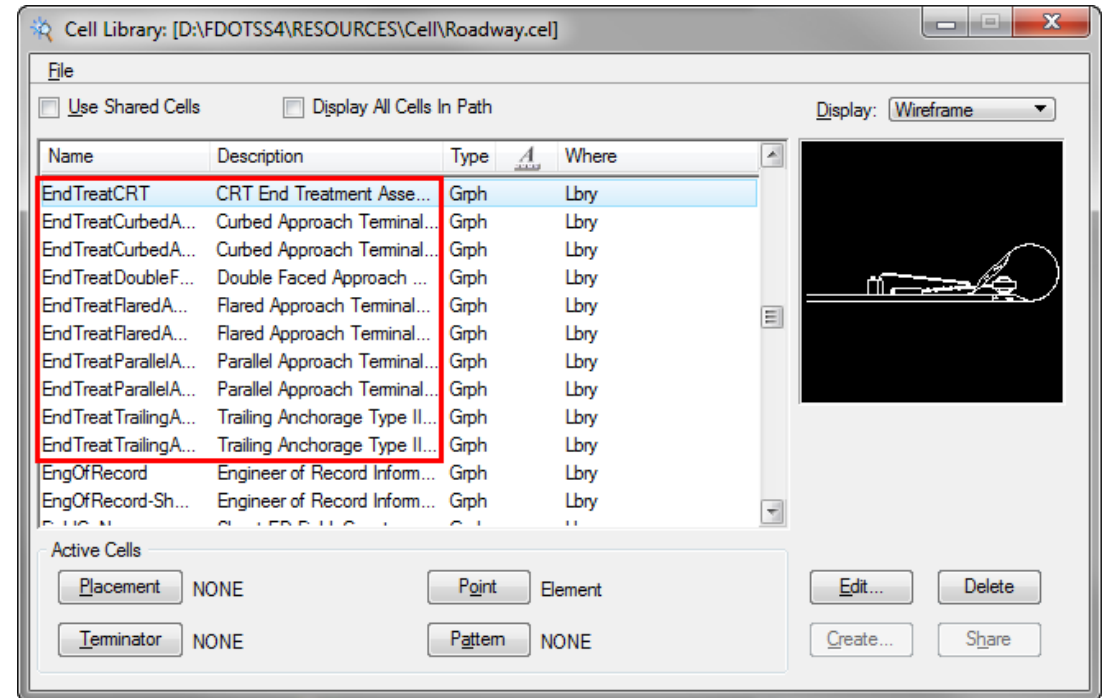# DDB and Pay Item Changes

- New Guardrail Items
  - Guardrail End Anchorage standard has been changed.
  - End Anchorages will now be called End Treatments.
  - New cells have been created to reflect the changes.
  - Old cells are still available.
  - New standard will not take effect until 2017.
  - A bulletin with the new standard will be released by the end of this month.

New LDM Tables and Documents
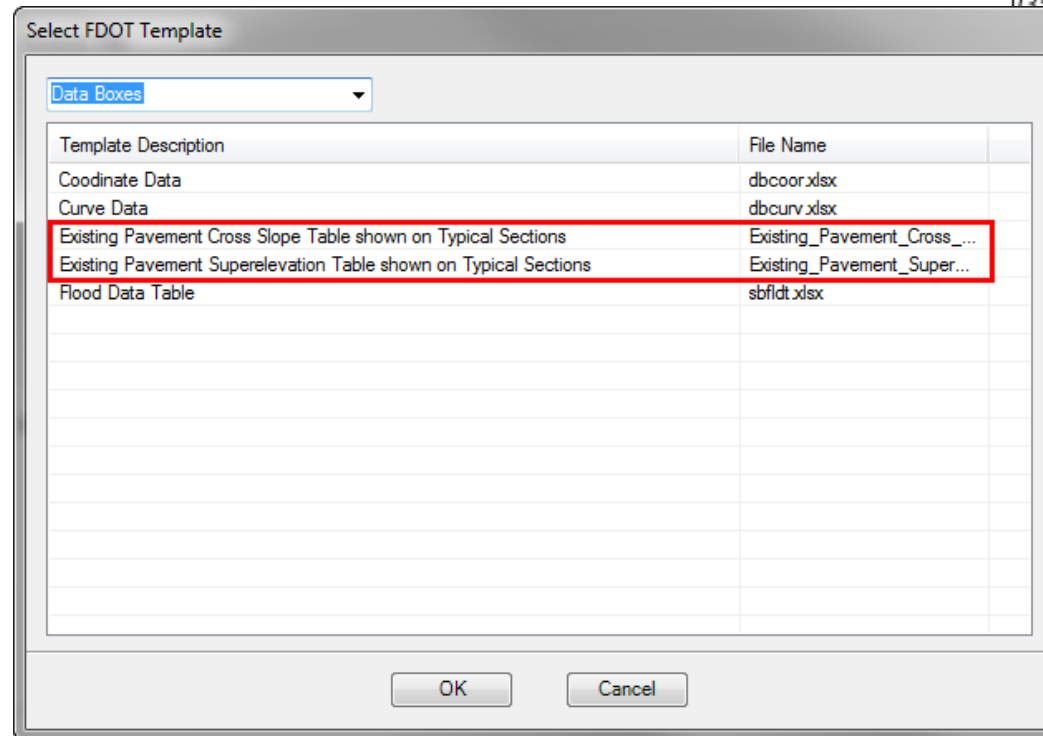
- New Summary Boxes:
  - Traffic Monitoring Site

New LDM Tables and Documents

- New Word Documents:
  - 2 new documents for electronic signatures on keysheets and signature sheets.
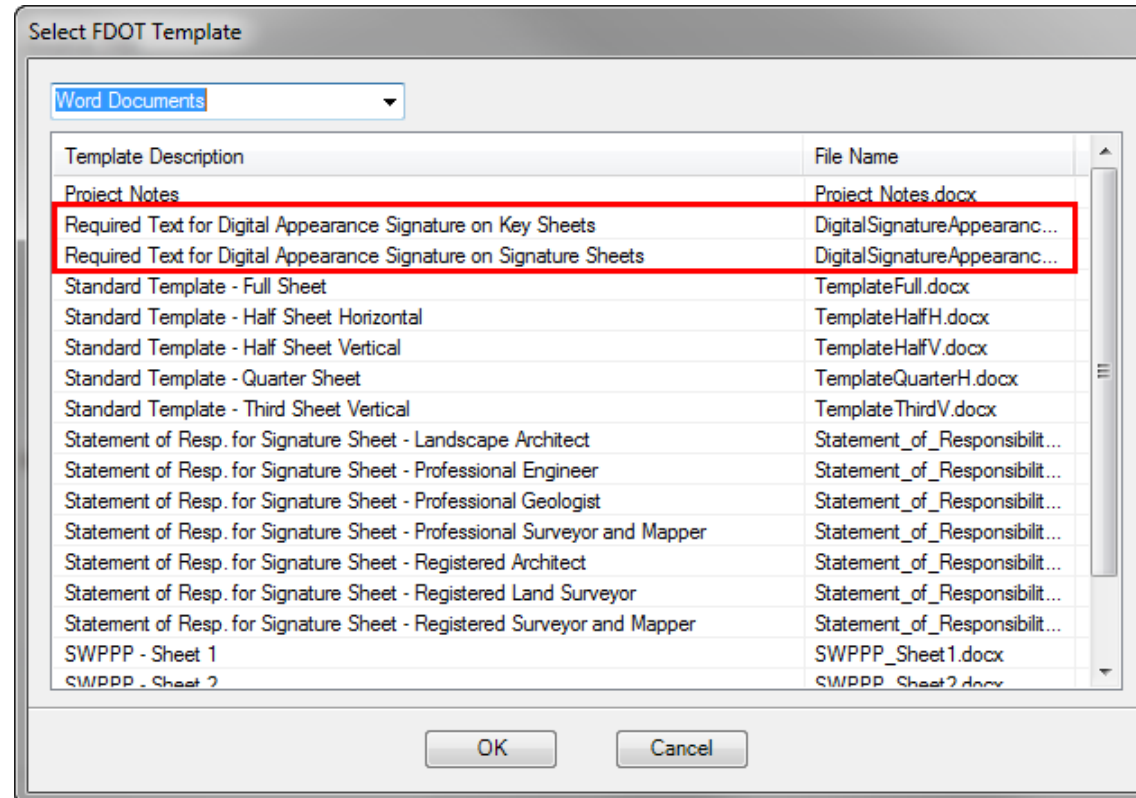
New LDM Tables and Documents

- New Tables:
  - Existing Pavt. Cross Slope Table
  - Existing Pavt. Elevation Table


STA. 130+77.00 TO STA. 157+00.00

*EXISTING PAVEMENT CROSS SLOPES		
STATION	ROADWAY	
	LT	RT
131+00	0.014	0.014
132+00	0.014	0.014
133+00	0.013	0.013
134+00	0.013	0.012
135+00	0.013	0.013
00	0.013	0.013
00	0.012	0.013
00	0.012	0.013
00	0.013	0.014
00	0.012	0.013
00	0.013	0.011
00	0.014	0.011
00	0.015	0.011
00	0.015	0.011

*EXISTING PAVEMENT CROSS SLOPES		
STATION	ROADWAY	
	LT	RT
145+00	0.014	0.010
146+00	0.013	0.010
147+00	0.012	0.010
148+00	0.013	0.012
149+00	0.013	0.012
150+00	0.014	0.012
151+00	0.016	0.012
152+00	0.013	0.012
153+00	0.014	0.012
154+00	0.016	0.012
155+00	0.013	0.012
156+00	0.013	0.012
157+00	0.014	0.012

EXHIBIT TYP-8A
Date: 1/1/14

SHEET 2 OF 2

Select FDOT Template

Data Boxes ▼

Template Description	File Name
Coodinate Data	dbcoor.xlsx
Curve Data	dbcurv.xlsx
Existing Pavement Cross Slope Table shown on Typical Sections	Existing_Pavement_Cross_...
Existing Pavement Superelevation Table shown on Typical Sections	Existing_Pavement_Super...
Flood Data Table	sbfldt.xlsx

OK   Cancel

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Survey Updates

- Survey Files now have right-click menus menus:
  - DREXRD
  - SURVRD, SURVRW
  - TOPORD, TOPORW
  - UTEXRD
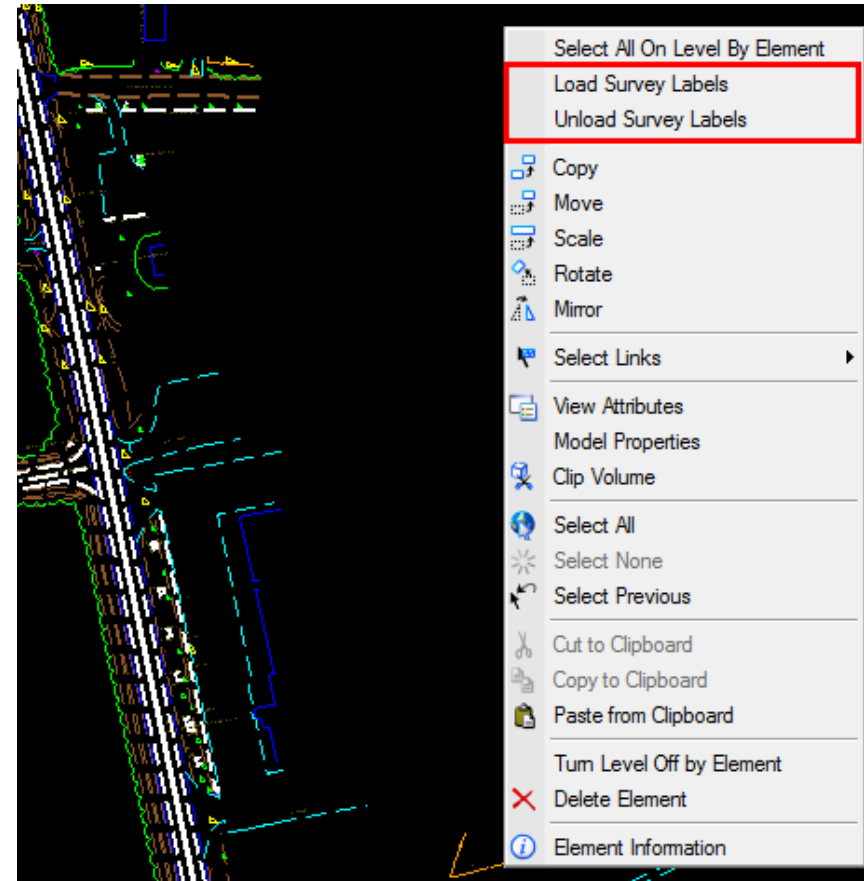
Questions?

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