

MDOT_02 Workspace Update

Below is a summary of the MDOT_02 Workspace updates in effect as of 12/2/2014.

Previous monthly Workspace Updates are available at the following links:

Internal: [Listserv Announcements](#)

External: http://www.michigan.gov/mdot/0,4616,7-151-9625_21540_36037_69214---,00.html

Currently Supported CADD Software

MDOT_01 Workspace + Power GEOPAK V8i SS2 - 08.11.07.566 + Windows 7:

- Updates are no longer being made to the MDOT_01 Workspace.
- Projects currently underway in SS2/MDOT_01 should remain in this Workspace.

MDOT_02 Workspace + Power GEOPAK V8i SS3 - 08.11.09.722 + Windows 7:

- The MDOT_02 Workspace is not backward compatible with SS3 Version 08.11.09.493.
- Utilization of SS3/MDOT_02 is optional at this time.
- Consultants who wish to use SS3/MDOT_02 should first obtain consent from their MDOT Project Manager.
- MDOT employees will need to contact MDOT-PowerGEOPAKSupport@michigan.gov to request installation.
- The MDOT_02 Workspace is available for download by consultants at the following link:

http://www.michigan.gov/mdot/0,4616,7-151-9625_21540_36037-259870--,00.html

Consultant installation instructions are located in the "C:\MDOT_02 Workspace\1_Install" folder.

GEOPAK Civil Engineering Suite:

For consultants who choose to install "Geopak Civil Engineering Suite" in place of "Power Geopak", please note that the following combination of software versions is required:

MicroStation V8i (SS3)	08.11.09.608
GEOPAK Civil Engineering Suite V8i (SS3)	08.11.09.722
GEOPAK Civil Engineering Suite V8i (SS2)	08.11.07.615*

* Note that the version of MicroStation SS3 listed above is fully backward compatible with Civil Suite SS2 and this is the only version of MicroStation SS3 that supports both versions of Civil Suite listed above.

Important Update:

We have received a number of requests from consultants using MicroStation / GEOPAK Civil Engineering Suite for assistance in setup of the MDOT_01 and MDOT_02 Workspaces. We have therefore initiated the process of developing installation procedures for both workspaces. Please note that development of the installation procedure is still in progress and the release date has been revised from December 2nd to January 6th.

Note: The following procedure may be used to manually modify the "MDOT_02 / Power GEOPAK SS3" installation process for use with "MDOT_02 / MicroStation SS3 / GEOPAK Civil Engineering Suite SS3":

1. Follow and complete the Power GEOPAK installation procedure.
2. Relocate the "MDOT_02_Local.ucf" and/or "MDOT_02_Server.ucf" files as shown below:
From Here: C:\ProgramData\Bentley\PowerGEOPAK V8i (SELECTseries 3)\WorkSpace\Users
To Here: C:\ProgramData\Bentley\MicroStation V8i (SELECTseries)\WorkSpace\Users

3. Delete the folder named C:\ProgramData\Bentley\PowerGEOPAK V8i (SELECTseries 3) and all subfolders.
4. Delete the custom icons that are specific to Power GEOPAK and use the generic icons that get added during software installation.

Development Guide Wiki Updates:

Changed Section 2.4 to "Guidelines for Plan Preparation", which includes links to sample plan & template files as shown below.

2.4 Guidelines for Plan Preparation

The links listed below are the most current forms and file types. These files were previously found in the Design Advisory 2012-05 or have been created as part of process improvements.

- Road Sample Plans
 1. [MDOT Sample Plans Road](#)
 2. [Plan TOC Road - Template](#)
 3. [RDM Chapter 1](#)
 4. [MDOT Road Sample Plans DGN Files 2014-02-26.zip](#)
- Bridge Sample Plans
 1. [MDOT Bridge Sample Deep Overlay](#)
 2. Deck Replacement
 - [Sheets 1-10](#)
 - [Sheets 11-28](#)
 3. Superstructure Replacement - Spread Box Beams
 - [Sheets 1-13](#)
 - [Sheets 14-17](#)
 - [Sheets 18-37](#)
 4. [Plan TOC Bridge - Template](#)
 5. [BDM Chapter 6](#)

Wiki Link: http://mdotwiki.state.mi.us/design/index.php/Chapter_2_-_Data_Requirements > 2.4 Guidelines for Plan Preparation

Note: The MDOT_Sample_Plans were previously located at the following links and will be removed from these locations:

Internal: <http://inside.michigan.gov/sites/mdot/highways/plan-dev/SitePages/Home.aspx> > MANUALS & GUIDES

External: <http://michigan.gov/mdot/> > DOING BUSINESS > VENDOR/CONSULTANT SERVICES > DESIGN SERVICES > MANUALS & GUIDES > GUIDELINES FOR PLAN PREPARATION, ROAD SAMPLE PLANS (OR) GUIDELINES FOR PLAN PREPARATION, BRIDGE SAMPLE PLANS

Workspace File Update Summary

GEOPAK Drainage

File: MDOT_Drain_Lib.dlb

Location: M:\MDOT_02 Workspace\Projects\MDOT_02\Civil Classic\Drainage

Change: Updated to support additional 2D cells included in the previous monthly workspace update.

File: CutDown.mvba
Location: M:\MDOT_02 Workspace\Projects\MDOT_02\Apps\VBA\Drainage Reports
Change: Deleted file, which was used temporarily for development purposes.

File: MDOT_DrainTab.mvba
Location: M:\MDOT_02 Workspace\Projects\MDOT_02\Apps\VBA\Drainage Reports
Change: Added warning dialog to update network computations.

File: Dr_Drain_2D.cel
Location: M:\MDOT_02 Workspace\Projects\MDOT_02\Elements\Cells
Change: Deleted construction elements from a majority of cells. Changed "solids working area" to 1 Mile for SUE import.

File: All design seed files.
Location: M:\MDOT_02 Workspace\Projects\MDOT_02\Seed Files\Design
Change: Changed the Solids working unit setting from 0.189394 to 1 mile, in order to work around a bug involving extrusion of 3D drainage structures when importing drainage design information from GEOPAK Drainage into SUE. This setting is located at Settings > Design File > Working Units > Advanced Settings > Edit > Solids.

SUE / SUDA

Progress Update: The planned completion date of December 2nd for SUE (Subsurface Utility Engineering) has been postponed, due to unanticipated technical issues which we are currently working with Bentley to resolve.

Structures

File: DimensionStyles_MDOT.dgnlib
Location: M:\MDOT_02 Workspace\Projects\MDOT_02\Elements\Styles\Text and Dimension Styles
Change: Turned off the Extension Line setting "Join When Text Outside" for the inch based dimension styles.

File: Bridgenotes.dat
Location: M:\MDOT_02 Workspace\Projects\MDOT_02\Apps\VBA\data
Change: Changes to Bridge Notes per the 2014 November Bridge Manual updates.

File: St_Conc_Beams.cel
Location: M:\MDOT_02 Workspace\Projects\MDOT_02\Elements\Cells\
Change: Added prestressed beam sheet templates.

File: St_Slab.cel
Location: M:\MDOT_02 Workspace\Projects\MDOT_02\Elements\Cells\
Change: Added expansion joint sheet templates.

File: St_Symbols.cel
Location: M:\MDOT_02 Workspace\Projects\MDOT_02\Elements\Cells\
Change: Changes to note 8.02.G per design manual updates.

File: St_Tables.cel
Location: M:\MDOT_02 Workspace\Projects\MDOT_02\Elements\Cells\
Change: Changed titles in some cells to Pr_x_2.0_Mask.

Custom Line Styles

File: Features_General_MDOT.dgnlib
Location: M:\MDOT_02 Workspace\Projects\MDOT_02\Civil Standards\General\Features
Change: Updates to custom line styles, including storm sewer, sanitary sewer, combined sewer, tree line, pavement markings, telephone, gas, & electrical.

File: Custom_Line_Styles_MDOT.rsc
Location: M:\MDOT_02 Workspace\Projects\MDOT_02\Elements\Styles\Custom Line Styles
Change: Updates to custom line styles, including storm sewer, sanitary sewer, combined sewer, tree line, pavement markings, telephone, gas, & electrical.

Interface

File: Interface_PwrGpkSS3_MDOT.dgnlib
Location: M:\MDOT_02 Workspace\Interfaces\MicroStation\mdot_02
Change: Removed duplicate levels.

File: Interface_PwrGpkSS3_MDOT.dgnlib
Location: M:\MDOT_02 Workspace\Interfaces\PowerGEOPAK\mdot_02
Change: Removed duplicate levels.

Survey

File: Features_General_MDOT.dgnlib
Location: M:\MDOT_02 Workspace\Projects\MDOT_02\Civil Standards\General\Features
Change: Reset "Import Coordinate Records" from Always to Never at Project Explorer > Civil Standards > Project Settings > Survey > MDOT > Properties > Points.

Legend Sheet

Development of an MDOT_02 Legend Sheet is still in progress and will be included in the January Monthly Workspace Update.

MDOT Technical Support

Technical support is available through the following email addresses:

Design Surveys:	MDOT-Survey_Support@michigan.gov
Bridge Design:	MDOT-BridgeDesignSupport@michigan.gov
Workspace Installation and Drawing Tools:	MDOT-CADDSupport@michigan.gov
Geometry Tools and Corridor Modeling:	MDOT-PowerGEOPAKSupport@michigan.gov
Geopak Drainage & Subsurface Utilities:	MDOT-Drainage-Utility@michigan.gov
Reference Information Documents (RID):	MDOT-RIDSupport@michigan.gov
Printing and Software Installation:	MDOT-SupportServices@michigan.gov
ProjectWise - General (MDOT staff only):	MDOT-ProjectWise@michigan.gov
ProjectWise - Letting:	MDOT-ePROPOSAL@michigan.gov

ProjectWise - Consultant:

MDOT-ProjectWiseConsultant@michigan.gov

ProjectWise - Construction:

MDOT-ProjectWiseCONST@michigan.gov