

Off-Site configuration documentation for Western Federal Lands Highway Division workspaces.

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Last Updated: 10/20/2004

With the V8_Resource.zip file extracted, copy V8_Resource and all it's contents to a location that you select on a server drive. The server drive will need to be accessible to all the workstations running Microstation V8.

Configuring wflhd.cfg

In the folder \V8_Resource\SiteConf is the file wflhd.cfg. In a text editor such as Notepad, open this file go to line 9, it looks like

```
"BENTLEYROOT          = c:/bentley/MSV8/"
```

this is the variable that points to the installed location of Microstation V8 on the workstation. You will need to change the path to match your workstation configuration.

EXAMPLE:

If your workstation has Microstation V8 installed to C:\Program Files\Bentley, then you would change the variable to read

```
BENTLEYROOT = c:/Program Files/Bentley/
```

Note the "/" rather than "\" It must be a forward slash "/" in the path name.

NOTE: If any of the paths you are modifying have a space in it them, the path needs to be encapsulated in quotes - **BENTLEYROOT = "c:/Program Files/Bentley/"**

The next variable in this file is on line 10 and is the SITE_CONFIG variable. It looks like.

```
SITE_CONFIG = F:/V8_Resource/SiteConf/
```

This variable points to the entire site, project, application and user level configuration files as well as the resource file such as font and lstyle. It also points to the Microstation library files. The value of this variable needs to point to the location you copied the folder V8_Resource (the folder and all it's contents that were created after you extracted the V8_Resource.zip file).

EXAMPLE:

If you copied the folder to S:\Project_Support, then the variable would need to be as follows:

SITE_CONFIG = S:/Project_Support/V8_Resource/SiteConf/

Once you have modified the wflhd.cfg file copy it to -
\Program\MicroStation\config\system, folder where you have Microstation installed.

Configuring mslocal.cfg

In a text editor such as Notepad or UltraEdit open the file "mslocal.cfg". It's located in \V8_Resource\SiteConf\English_V8\ and Metric_V8. You will need to modify both. This file is placed temporarily in the

Bentley/Program/Microstation/Config/System folder and points out to the Site.cfg file for Federal Highway. It then removes itself and places the original mslocal.cfg back in its place. This will be explained more when we modify the .bat files.

The line "MSDIR = C:/Bentley/MSV8/Program/Microstation" needs to be changed to reflect your workstation configuration. For example, if you had Microstation installed to

C:\Program Files\Bentley\Program\Microstation\. Then you would change MSDIR = to read

MSDIR = C:/Program Files/Bentley/Program/Microstation/

Make sure to place the trailing forward slash at the end of the path.

Configuring Site.cfg

Site.cfg is the hardest of all the cfg files to understand and modify. Once you understand what it's doing its not to bad.

Open the Site.cfg with a text editor such as Notepad or UltraEdit. Site.cfg is located at \V8_Resource\SiteConf\. The first section labeled "WFLHD Declared

Variables" is where you set most of the paths. I'll list the first four variables and give a description of what they do.

PROJ_DATA – Is the location of your project data

SERVER_RESOURCES – Is the location of the folder V8_Resource

LOCAL_SITE_INFO – is a variable used with notebooks or standalone workstations. This variable will not effect networked workstation configurations. If you would like to prevent it from being assigned a value place the pound sign (#) at the front of the line, this remove it from the assignment list.

SERVER_SITE_INFO – This variable is used for user configuration files (.ucf) User preference files (.upf) and the user interface folder and file locations. This variable point to the users home folder on a network. In the Site.cfg file provided it's set to H:\. If you decide to use this configuration you will need to create the following folders and files on the users Home storage location on your network Replace Username with the name of the person logging into the workstation. You can call the folder names what ever you want just make sure the variables point to them.

H:\Appinfo

 V8_Microstation (Folder)

 UserConf (Folder)

 <UserName>.ucf (Normal empty text file 0 bytes)

 Userinterface (Folder)

 Username (Folder)

All of our configurations are based of the user that is logged in. For example the variable _USTN_USERNAME is assigned the value of USERNAME. USERNAME is the operating system variable of the person logged in at the time. This allows the user to move between machines and take their settings with them. The user name is also assigned to the ucf, upf and the interface folder. For example say the user name of the person logged in was TField, they would have a file of TField.ucf,

TField.UPF and a folder under Interface of TField. These would be generated for each user logging in.

If you want to bypass the operating system username and use the Bentley default user then you will need to modify the following lines:

```
From - SERVER_SITE_INFO      = H:/appinfo/v8_microstation/  
To - # SERVER_SITE_INFO      = H:/appinfo/v8_microstation/
```

```
From - _USTN_USERNAME = $(USERNAME)  
To - _USTN_USERNAME = untitled
```

```
From - _USTN_USER = $(SERVER_SITE_INFO)userconf/  
To - # _USTN_USER = $(SERVER_SITE_INFO)userconf/
```

```
From - _USTN_USERINT= $(SERVER_SITE_INFO)userinterface/  
To - # _USTN_USERINT = $(SERVER_SITE_INFO)userinterface/
```

Configuring GPKvar.cfg

There are two GPKvar.cfg files. One is for Metric and one is for U.S. Customary. They are located in \V8_Resource\SiteConf\Metric_V8 and \V8_Resource\SiteConf\English_V8. Open either one of them in a text editor such as Notepad or Ultraedit.

The first variable is SERVER_VARIABLES and needs to point to the location of \V8_Resource. Make sure that when you are creating the path for the variable you use the "/" forward slash NOT the "\" back slash. For example:

```
SERVER_VARIABLES = F:/V8_Resource/SiteConf/
```

The next variable is optional. It's used in our office for Notebook systems. This allows the Notebook to read from the server when connected to the network or run local when it's not connected to the network. You can remove this line by placing a "#" pound sign in front of the line.

Example:

```
# LOCAL_VARIABLES = C:/Appinfo/V8_Geopak/
```

If you do use this option you will need to copy \V8_Resource\Geopak to C:\Appinfo\ and rename Geopak to V8_Geopak.

Next you will need to modify `GPK_ENGMET_TXTFILE`. This variable needs to point to the installed location of `Geopak\Bin\`, in the provided `GPKvar.cfg` this path is `C:\Bentley\MSV8\Geopak\Bin\`.

Example:

```
GPK_ENGMET_TXTFILE < C:/Bentley/MSV8/Geopak/Bin/engmet.txt
```

You will also need to change `GPK_EDITOR` and `GPK_SUPER_EDITOR` to point to your text editor. We use UltraEdit your editor could be different.

Example:

```
GPK_EDITOR < C:\program files\ultraedit\uedit32.exe
```

```
GPK_SUPER_EDITOR < C:\program files\ultraedit\uedit32.exe
```

Configuring the .bat files

There are two `.bat` files that control the `GPKvar` gets loaded and they also load the `mslocal.cfg`. If you do not run `Geopak` it will not affect `Microstation` if you the `GPKvar` file gets copied over to your machine. There are several lines that will need to be modified in the `.bat` file to match your workstation loads.

Modify Line 14, 22, 32, 33, 44 and 53 to point to the installed location of your workstation load of `Microstation`. Line 14 looks like this in the `.bat` file.

```
cd/D C:\Bentley\MSV8\Program\MicroStation\config\appl
```

Make sure the what ever the path is that follows `\Program\` stays intact after you modify the path. For Example

```
...\Program\Microstation\
```

```
...\Program\Microstation\Config
```

```
...\Program\Microstation\Config\Appl
```

You should be able to make these modifications with a simple find and replace.

Example – Find `C:\Bentley\MSV8` – Replace with `C:\Program Files\Bentley\`. This example would work if `Microstation` were installed in `C:\Program Files\Bentley\`.

Modify Lines 31 to point to the location you copied the V8_Resource folder to on your server.

Make these modifications to both .bat files. The .bat files are located in \V8_Resource\SiteConf\Metric_V8 and \V8_Resource\SiteConf\English_V8. Once you have the .bat files modified simply create two desktop shortcuts to point back to the .bat files. That's it, now double click the shortcuts and you should up and running.

```
*****
*IMPORTANT INFO:
* When you run the .bat file, a DOS window opens. DO NOT manually close this
* window, it's on a 10 second timer and will close automatically. If you close the
* window the bat file will not finish and will cause errors the next time you start
* Microstation.
*****
```

Certified versions:
Geopak 08.05.00.64
Microstation 08.05.00.64.

Geopak 08.05.00.64 will not run correctly with Microstation 08.05.01.25.