

MoDOT Box Culvert Quantity Application

Extract the **MoDOT_Box_Culvert_Program.Zip** file to the C:\ drive.

Launching the application is done by selecting the appropriate batch file. These files are located in the following folder C:\MoDOT_Box_Culvert_Quantities.

```
C:\MoDOT_Box_Culvert_Quantities\Single_Box_Culvert_Quantities_LRFD.bat  
C:\MoDOT_Box_Culvert_Quantities\Double_Box_Culvert_Quantities_LRFD.bat  
C:\MoDOT_Box_Culvert_Quantities\Triple_Box_Culvert_Quantities_LRFD.bat
```

After all the input values are entered and submitted the Bar Bill tab will then be available. On Bar Bill tab a Show Barbill button can be selected which will launch MicroStation and generates a bar bill DGN file. The file will be the active DGN file and will be placed within the following folder:

```
C:\MoDOT_Box_Culvert_Quantities\Br-Proj\Barbill
```

The script(s) which launch MicroStation are defined for MicroStation SS2, SS4 and PowerGeopak SS4 on a 32bit or 64bit machine. If you are using another version you will need to modify the script(s) to launch your version. Within the following locations exists those batch files that will need to be modified.

```
C:\MoDOT_Box_Culvert_Quantities\LRFD\ModotS\Bridge\Culvert\Singlebox\SingleBoxCulvertBarbill.bat  
C:\MoDOT_Box_Culvert_Quantities\LRFD\ModotS\Bridge\Culvert\Doublebox\DoubleBoxCulvertBarbill.bat  
C:\MoDOT_Box_Culvert_Quantities\LRFD\ModotS\Bridge\Culvert\Triplebox\TripleBoxCulvertBarbill.bat
```

Here's a view of the **SingleBoxCulvertBarbill.bat** that is launched when the Show Barbill button is selected. The button will launch MicroStation or PowerGeopak to generate a barbill dgn file. Not knowing which version you have installed requires the script to figure out what's on your machine. If it finds the version listed below it will launch that version and continue the process of creating the barbill dgn file.

SingleBoxCulvertBarbill.bat

::Script used by the Box Culvert Program to launch MicroStation and generates a barbill dgn file

```
set MS_SYMBRSRC=C:/MoDOT_Box_Culvert_Quantities/Standard/Symb/i_20/*.rsc  
set SBOXCULVERT_OUTPUT=C:/MoDOT_Box_Culvert_Quantities/Br-Proj/Barbill/  
set SBOXCULVERT_FORMAT=C:/MoDOT_Box_Culvert_Quantities/Standard/Wsmod/Bridge/Seed_i/Singleboxculvert.dgn
```

::You can remove or comment out versions that aren't installed on your machine by using the :: at the beginning of the line.

```
if exist "C:\Program Files (x86)\Bentley\PowerGEOPAK V8i (SELECTSeries 4)\PowerGEOPAK\powergeopak.exe" goto 64bitPGSS4  
if exist "C:\Program Files\Bentley\PowerGEOPAK V8i (SELECTSeries 4)\PowerGEOPAK\powergeopak.exe" goto 32bitPGSS4
```

```
if exist "C:\Program Files (x86)\Bentley\MicroStation V8i (SELECTSeries)\MicroStation\ustation.exe" goto 64bitSS4  
if exist "C:\Program Files\Bentley\MicroStation V8i (SELECTSeries)\MicroStation\ustation.exe" goto 32bitSS4
```

```
goto end
```

```
:64bitPGSS4
```

```
::PowerGeopak SS4 64bit Script Configuration
```

```
"C:\Program Files (x86)\Bentley\PowerGEOPAK V8i (SELECTSeries 4)\PowerGEOPAK\powergeopak.exe" -  
wac:\MoDOT_Box_Culvert_Quantities\standard\V8i_ss4-mdls\boxculvertbarbill.ma single  
goto end
```

:32bitPGSS4

::PowerGeopak SS4 32bit Script Configuration

"C:\Program Files\Bentley\PowerGEOPAK V8i (SELECTseries 4)\PowerGEOPAK\powergeopak.exe" -
waC:\MoDOT_Box_Culvert_Quantities\standard\V8i_ss4-mdls\boxculvertbarbill.ma single
goto end

:64bitSS4

::MicroStaton SS4/SS2 64bit Script Configuration Must Use SS2 MDLs

"C:\Program Files (x86)\Bentley\MicroStation V8i (SELECTseries)\MicroStation\ustation.exe" -wac:\MoDOT_Box_Culvert_Quantities\standard\v8i_ss2-
mdls\boxculvertbarbill.ma single
goto end

:32bitSS4

::MicroStaton SS4/SS2 32bit Script Configuration Must Use SS2 MDLs

"C:\Program Files\Bentley\MicroStation V8i (SELECTseries)\MicroStation\ustation.exe" -wac:\MoDOT_Box_Culvert_Quantities\standard\v8i_ss2-
mdls\boxculvertbarbill.ma single

:end