MoDOT Box Culvert Quantity Program

Extract the MoDOT_Box_Culvert_Program. zip file to the C:\ drive.

Launching the program is done by selecting the appropriate 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 which launches MicroStation is set up for MicroStation SS2 on a 32bit or 64bit machine. If you are using another version you will need to modify the script 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\ModotD\Bridge\Culvert\Doublebox**DoubleBoxCulvertBarbill**.bat
C:\MoDOT_Box_Culvert_Quantities\LRFD\ModotT\Bridge\Culvert\Triplebox**TripleBoxCulvertBarbill.bat**

Here's a view of the SingleBoxCulvertBarbill.bat . In the script there are a few MoDOT standards being defined and two possible locations where to start MicroStation. The MicroStation command is sent to two locations but if the MicroStation location doesn't exist the extra command gets ignored.

SingleBoxCulvertBarbill.bat

::Script used by the Box Culvert Program to launch MicroStation and generate a bar bill 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

::Change the MicroStation location here if you are not using the Selectseries

"C:\Program Files\Bentley\MicroStation V8i (SELECTseries)\MicroStation\Ustation.exe" -waC:\MoDOT_Box_Culvert_Quantities\Standard\v8i_ss2-mdls\Boxculvertbarbill.ma single

"C:\Program Files (x86)\Bentley\MicroStation V8i (SELECTseries)\MicroStation\Ustation.exe" -waC:\MoDOT_Box_Culvert_Quantities\Standard\V8i_ss2-mdls\Boxculvertbarbill.ma single