

PATHFINDER OFFICE

1. **Open Project in Pathfinder Office:**
 - Transfer the data from the data collector to the computer: **Utilities>Data Transfer...**
 - Once the data has been transferred to your computer you can now open the *.ssf file. This is a good time for a quick review of your data; this will also let you know if you're in the correct *.ssf file.
 - Edit the data if you need to.
 - If your data looks correct go ahead and export.
2. **Export Project:**
 - **Utilities -> Export...**
 - Make sure that your *.ssf file is located in the "Selected Files" window. If not click "Browse" to select the proper file.
 - Verify that the "Output Folder" is in **C:\GeoTech\TEMP**.
 - Also change the "Choose an Export Setup" to **Access Export for Mn/DOT**.
 - Choose the coordinates you wish to export in. This can be changed by clicking on the **Properties...** button in the lower right corner of the Export dialog box.
 - Click OK.

ACCESS DATABASE FOR SOILS

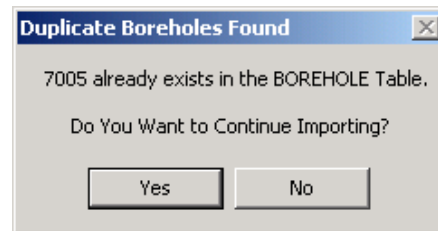
1. SELECTING A NEW DATABASE

The first thing you want to do when starting a new database for a project, is to make a copy of the Soils Borehole Template.mdb file and paste into the project folder. Once the template copy is in the project folder you should then rename the *.mdb file so that it makes sense for the project that you're working on. After changing the name, open the database by double clicking on the *.mdb file

*Note – I suggest using the SP Number to name your database, but that is your option.

2. OPENING AN EXISTING DATABASE

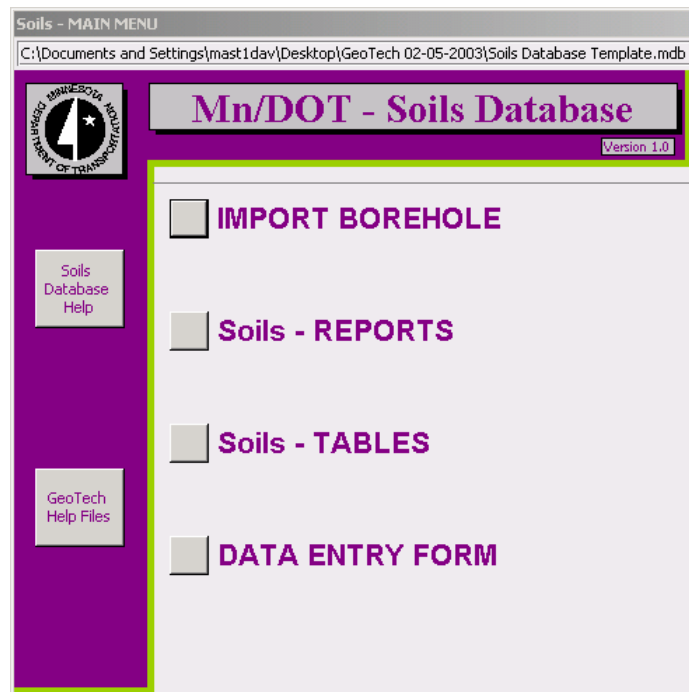
If you already have a database created for a project, go ahead and continue using it. The access database is set up so that the user can continue adding to the database via the IMPORT BOREHOLES button. When importing, the database will check to see if you're about to import any duplicate boreholes. If you are, there will be a dialog box that appears telling you which borehole is duplicated and if you want to continue. There will be NO boreholes imported unless you click "Yes" to continue. If you say "No" to continue the importing process will be stopped.



3. Soils – MAIN MENU

When you open the database you'll see the following window:

This is the Main Menu, and as you can see there are several buttons on the Main Menu for your use. You can import your boreholes from the PRO-XR, create your reports, view your tables, and enter your data through the data entry form all with a single click of the button.



4.

IMPORT BOREHOLES

Clicking on this button tells the database to go out and import the boreholes that you just exported from PathFinder Office. The database will be looking for the following *.csv files in C:\GeoTech\TEMP:

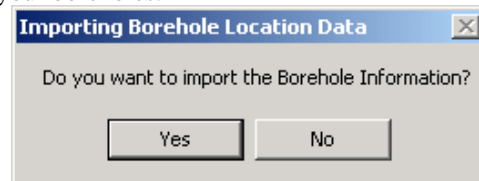
Project Header.csv

Borehole Location.csv

Strata.csv

Water & Refusal.csv – (this will depend on if you had any water or refusal)

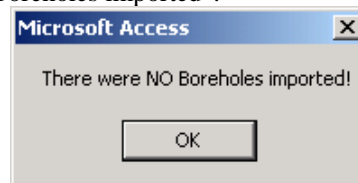
When you click on the IMPORT BOREHOLES button from the Main Menu you will be asked if you want to import your boreholes.



If you click on “Yes” the import process will continue. When finished importing, you’ll get a dialog box stating “Importing Complete”. Otherwise, if you click on “No” the import process is stopped and you’ll get a dialog box stating “There were NO Boreholes imported”.



If “Yes”



If “No”

After the importing is complete, the database will automatically show you the Soils Log Report for review.

*Note – If you need to go in and make manual corrections see DATA ENTRY FORM.

5. Soils – REPORTS

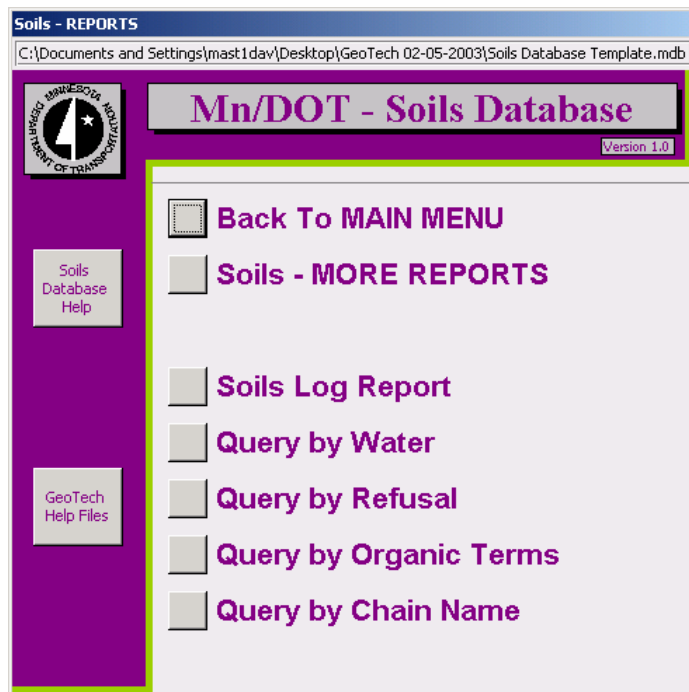
Soils Log Report – All of the boreholes in the database will be displayed on this report.

Query by Water – This report is set up to look for only the boreholes that have water.

Query by Refusal – This report is set up to look for only the boreholes that have refusal.

Query by Organic Terms – This report is set up to look for only the boreholes that have any kind of peat, muck, marl, ts, wood, or anything with a blk color.

Query by Chain Name – This report will ask you for a chain name. After you type your chain name into the dialog box and hit enter, you’ll get a report showing the boreholes that are associated to that chain (alignment) only. If you don’t enter in a chain name and hit enter, you’ll get all of the boreholes (similar to the Soils Log Report).



6. Soils – MORE REPORTS

Waypoints for Existing Boreholes – This file is designed to help take the existing boreholes from the database and load them back into Pathfinder Office via the waypoint file. This will help the user navigate back to the boreholes. The trick to this report is that you'll have to "Save As" to a *.asc file format. After you "Save As", you might have to open the *.asc file to edit the report. You'll need to remove the header info, and you'll have to make sure that each borehole is on one line.

Avg. Thickness Long Report

– This report is set up to give you an average thickness for all material types that are found in the database.

Avg. Thickness Summary

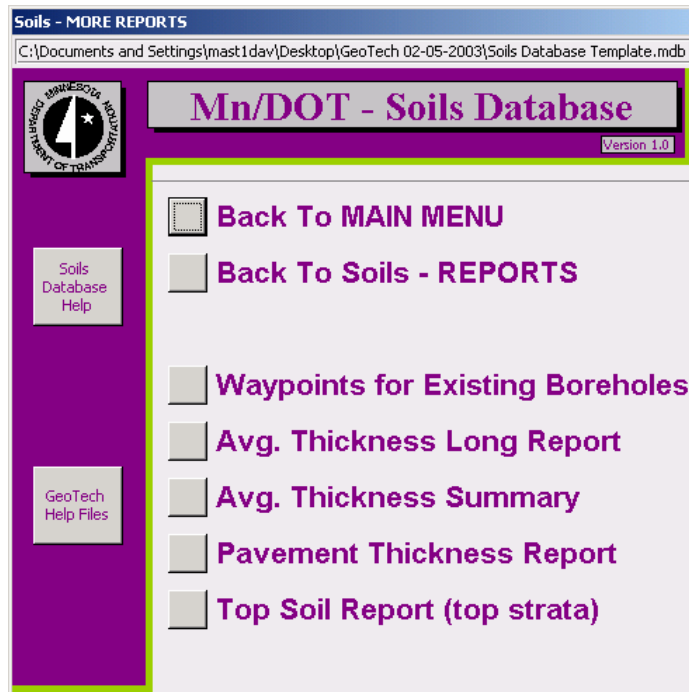
This compact report is set up to give you an average thickness for all material types that are found in the database.

Pavement Thickness Report

This report is set up to give you an average thickness for all pavement types (CONC or BIT) that are found in the database.

Top Soils Report (top strata)

– This report is set up to give you an average thickness for the topsoil (ts) that is found in the database. This report will only use the topsoil that is in the **first strata** of a borehole.



*Note – All average thickness reports are NOT based on a weighted average.

7. Soils – TABLES

Open BOREHOLE Table

This table contains the location information for your boreholes, along with the information that you entered into the **Project Header**, **Borehole Location**, and **Water & Refusal** features of the data dictionary.

Open MATERIAL Table

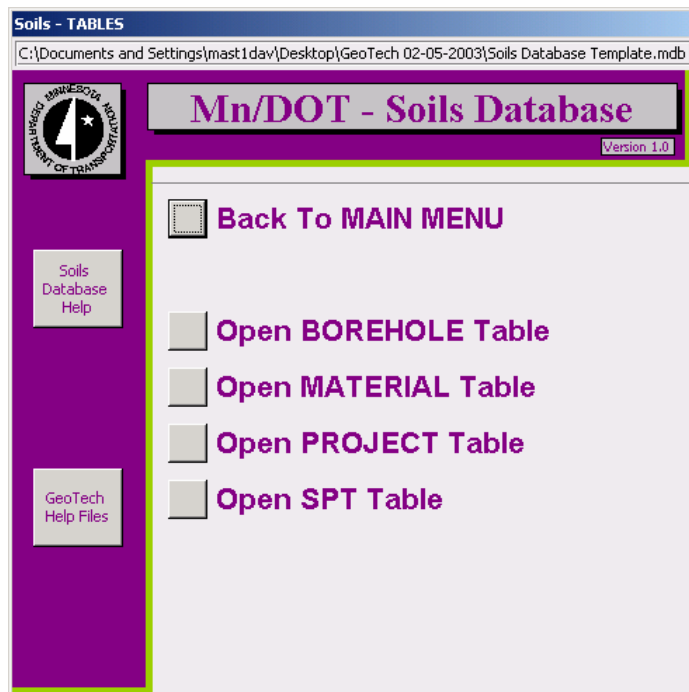
This table contains all of your strata information that you would have entered into the **Strata** feature of the data dictionary.

Open PROJECT Table

This table can be misleading. This table contains the CAD information (*.gpk and *.tin files).

Open SPT Table

This table contains the SPT information. This is only for those districts that might use foundation boreholes on their CAD files.



8. DATA ENTRY FORM

This form is designed to help you EDIT and/or HAND ENTER data into the database. Just type in the information that you want to store or change and the database will update your tables when you close out of Data Entry Form. Also, in the Material Name box there is a drop down list for all of the different material types available.

BOREHOLE

Mn/DOT Soil's Entry Form

Previous Next New

PROJECT:

County

CLOSE

Borehole # X Coordinate

STATION Y Coordinate

OFFSET Elevation

Chain Name Refusal Depth

Soils Crew 0 Hr Water Depth

Done Date 24 Hr Water Depth

Description

MATERIAL DATA

Material Name	Material Description	Strata Depth