What are the ODOT gINT reports used for?

NOTE: Make sure you have the most current copy of our gINT File Template and Library off of our web site at: http://www.dot.state.oh.us/Divisions/ProdMgt/Geotechnical/Pages/gINTFiles.aspx.

Summary:

When the gINT Software package was delivered to ODOT, we contracted with gINT Software to modify the standard features of the gINT library and project database, and to create a certain number of new report forms which were not included in the original gINT Software package, in order to meet the needs of ODOT. Subsequent to this, developers at ODOT have created several additional new reports. Several existing reports (not currently used by ODOT) have been left in the ODOT gINT library, pending future review, and evaluation of their usefulness to the needs of ODOT.

Specific Directions:

The following ODOT gINT reports are approved to be used for ODOT projects:

Logs, STANDARD ODOT SOIL BORING LOG (8.5 X 11)
This is the standard ODOT boring log sized for an 8½”x11” (Letter-sized) sheet of paper, suitable for binding in a Report of Geotechnical Exploration, Findings, and Recommendations, per Specifications for Geotechnical Explorations (SGE) Section 705 (Geotechnical report), or for insertion into sheets for a Structure Foundation Exploration (SFE) or GeoHazard Exploration for borings of around 30 feet or less in depth.

Logs, STANDARD ODOT SOIL BORING LOG (11 X 17)
This is the standard ODOT boring log sized for an 11”x17” sheet of paper, suitable for binding in a Geotechnical report, per SGE Section 705, or for insertion into sheets for a SFE or GeoHazard Exploration for borings of greater than 30 feet in depth.

Text Tables, GEOPAK REPORT
This report creates a comma delimited file for generating borehole data in MicroStation Geopak.

Text Tables, SUMMARY OF SOIL TEST DATA
This report creates a text table that can be exported to a Microsoft Excel spreadsheet, which can then be inserted into the cover sheet or following sheets of a Soil Profile, per SGE Section 702, as a Summary of Soil Test Data, with slight modifications: the Explor. ID, Station, Offset, Lat/North, and Long/East fields are repeated for every sample in each boring, but should only appear once per boring; these should also be reconfigured into four lines of data to the left of each boring in the Summary of Soil Test Data. The Lat/North and Long/East fields contain either latitude-longitude or northing-easting boring location data, and should be renamed appropriately. See SGE Appendix D for an example of the correct formatting of the Summary of Soil Test Data in a Soil Profile.

Text Tables, WET NON-PLASTIC
This report creates a text table formatted in the same way as the SUMMARY OF SOIL TEST DATA report. Each line of this report identifies a sample from the Summary of Soil Test Data which satisfies the requirements of SGE Section 702.6.3.i, and should have the open circle with a horizontal line placed next to the soil sample in the Graphical Boring Logs.
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**Text Tables, WET PLASTIC**
This report creates a text table formatted in the same way as the SUMMARY OF SOIL TEST DATA report. Each line of this report identifies a sample from the Summary of Soil Test Data which satisfies the requirements of SGE Section 702.6.3.h, and should have the solid black circle placed next to the soil sample in the Graphical Boring Logs.

**Text Tables, WET VISUAL NON-PLASTIC**
This report creates a text table formatted in the same way as the SUMMARY OF SOIL TEST DATA report. Each line of this report identifies a sample from the Summary of Soil Test Data (which has ONLY been VISUALLY classified) which is estimated to satisfy the requirements of SGE Section 702.6.3.i. The report does this by comparing the water contents of the visually classified samples which may be non-plastic (A-1-a, A-1-b, A-2-4, A-3, A-3a, A-4a, or A-4b), with requirements of SGE Section 702.6.3.i. There may be some overlap in this report with the WET VISUAL PLASTIC report for visually classified A-1-a, A-1-b, A-3a, A-2-4, A-4a, and A-4b samples, which could be either plastic or non-plastic. The user will have to use engineering judgment to determine if the visually classified samples are similar to other mechanically classified samples, and decide whether the samples should be considered plastic or non-plastic for the purposes of satisfying the requirements of SGE Section 702.6.3.h and 702.6.3.i.

**Text Tables, WET VISUAL PLASTIC**
This report creates a text table formatted in the same way as the SUMMARY OF SOIL TEST DATA report. Each line of this report identifies a sample from the Summary of Soil Test Data (which has ONLY been VISUALLY classified) which is estimated to satisfy the requirements of SGE Section 702.6.3.h. The report does this by comparing the water contents of the visually classified samples which may be plastic with the AVERAGE LL of similar samples across the project, to estimate if the visually classified samples satisfy the requirements of SGE Section 702.6.3.h. There may be some overlap in this report with the WET VISUAL NON-PLASTIC report for visually classified A-1-a, A-1-b, A-3a, A-2-4, A-4a, and A-4b samples, which could be either plastic or non-plastic. The user will have to use engineering judgment to determine if the visually classified samples are similar to other mechanically classified samples, and decide whether the samples should be considered plastic or non-plastic for the purposes of satisfying the requirements of SGE Section 702.6.3.h and 702.6.3.i.

**Text Docs, SOIL PROFILE LEGEND**
This report creates a text table that can be exported to a Microsoft Excel spreadsheet, which automatically sums up the visually and mechanically classified samples in a gINT project file for inclusion in the Legend on the cover sheet of a Soil Profile report per SGE Section 702.3.2.c (this same Legend is used on the cover sheets of Structure Foundation Exploration and GeoHazard Exploration reports). The report also calculates the average group index per ODOT Soil Class.

**Other gINT Reports**
No other reports in the ODOT gINT library should be included as part of Geotechnical deliverables for ODOT projects, although consultant users are free to use these report forms for their own purposes. See also the Frequently Asked Question “**Why do some of the reports in the ODOT gINT library include USCS Classifications?**” for more information about the existing unapproved reports.