Update: January 2020

**ODOT gINT Library**

**Library Data**

- On the Library Data table, *ODOT ELEVATION DATUM*, added an entry for plain “ft” and “NAVD88”.

- On the Library Data table, *ODOT Description Rock Inter Parent* deleted the last line for *Additional Description*. Added the semicolon back into the *Group Separator* column at the end of the line for *Other Descriptors*.

- On the Library Data Table for *ODOT Description Rock Inter Main* added a line for *Additional Description* after *Percentages* and before *Unit RQD* with the following parameters:

<table>
<thead>
<tr>
<th>Description</th>
<th>Override Case</th>
<th>Data Expression</th>
<th>Separator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Additional Description</td>
<td>Upper Case</td>
<td>«LITHOLOGY ROCK.Additional Description&gt;&gt;</td>
<td>,</td>
</tr>
</tbody>
</table>

**Graphs**

- Added the *ODOT CV versus Pressure* Graph Report back into the Library. It had previously been inadvertently deleted. See the Graph Report in the updated Library for the specifics of this report.

On the *ODOT UNCONFINED COMPRESSION* Graph Report, made the following changes:

- For the Text entity for Specimen Height, changed the Associated Text Expression from

  «ListBuildSepRight( mm, «Format(«Calc(«UNCONF COMPR.Height)>>/1)>>,0.000)>>

  to

  «ListBuildSepRight( «Format(«Calc(«UNCONF COMPR.Height)>>/1)>>,0.000)>>
For the Text entity for Specimen Diameter, changed the Associated Text Expression from

\[
\text{<<ListBuildSepRight(} \text{ \ inches,} \text{<<Format(<<Calc(<<UNCONF COMPR.Diameter>>/1)>>,0.00)>>})\]


to

\[
\text{<<ListBuildSepRight(} \text{ \ inches,} \text{<<Format(<<Calc(<<UNCONF COMPR.Diameter>>/25.4)>>,0.00)>>})\]

On the ODOT Standard Graph Block, CLASSIFICATION RESULTS,

```
CLASSIFICATION RESULTS

<table>
<thead>
<tr>
<th>GRADATION (%)</th>
<th>GR</th>
<th>CS</th>
<th>FS</th>
<th>SI</th>
<th>CL</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATTERBERG LIMITS</td>
<td>LL</td>
<td>PL</td>
<td>PI</td>
<td>WC</td>
<td></td>
</tr>
</tbody>
</table>

ODOT CLASS: ....................  HP (tsf): ....................
DESCRIPTION: ........................................
```

made the following changes:

- For the Text entity for gravel, GR, changed the Associated Text Expression from

\[
\text{<<User System Data.Percent Gravel Single>>}
\]

to

\[
\text{<<FirstData(<<User System Data.Percent Gravel Single>>,<<User System Data.Dash for No Lab Specimen Data>>)>>&
\]

- For the Text entity for coarse sand, CR, changed the Associated Text Expression from
For the Text entity for fine sand, FS, changed the Associated Text Expression from

\( <<\text{User System Data.Percent Fine Sand Single>>} \)

to

\( <<\text{FirstData}(<<\text{User System Data.Percent Fine Sand Single>>,<<\text{User System Data.Dash for No Lab Specimen Data>>})>> \)

For the Text entity for silt, SI, changed the Associated Text Expression from

\( <<\text{User System Data.Percent Silt Single>>} \)

to

\( <<\text{FirstData}(<<\text{User System Data.Percent Silt Single>>,<<\text{User System Data.Dash for No Lab Specimen Data>>})>> \)

For the Text entity for clay, CL, changed the Associated Text Expression from

\( <<\text{User System Data.Percent Clay Single>>} \)

to

\( <<\text{FirstData}(<<\text{User System Data.Percent Clay Single>>,<<\text{User System Data.Dash for No Lab Specimen Data>>})>> \)

For the Text entity for Liquid Limit, LL, changed the Associated Text Expression from

\( <<\text{FirstData}(<<\text{Let(Value = <<\text{ATTERBERG.Liquid_Limit>>)>>_\text{User System Data.Atterberg_Calc>>,<<\text{User System Data.Dash for No Lab Specimen Data>>})>>} \)

to

\( <<\text{FirstData}(<<\text{User System Data.Percent Gravel Single>>,<<\text{User System Data.Dash for No Lab Specimen Data>>})>> \)

For the Text entity for Plastic Limit, PL, changed the Associated Text Expression from

\( <<\text{ATTERBERG.Plastic_Limit}} \)

to
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"<<FirstData(<<Let(Value = <<ATTERBERG.Plastic_Limit>>)>>_ 
<<User System Data.Atterberg_Calc>>,<<User System Data.Dash for No Lab Specimen 
Data>>))>>

- For the Text entity for Plastic Index, PI, changed the Associated Text Expression from
  
  "<<Calc(<<ATTERBERG.Liquid_Limit>>-<<ATTERBERG.Plastic_Limit>>))>>
  
  to
  
  "<<FirstData(<<User System Data.PI_Calc_Single>>,<<User System Data.Dash for No Lab 
  Specimen Data>>))>>

- For the Text entity for moisture content, WC, changed the Associated Text Expression from
  
  "<<Format(<<WC DENSITY.Water_Content>>,0)>>
  
  to
  
  "<<FirstData(<<Format(<<User System Data.Rep_Water_Content>>,0)>>,<<User System 
  Data.Dash for No Lab Specimen Data>>))>>

- For the Text entity for ODOT CLASS, changed the Associated Text Expression from
  
  "<<LAB SPECIMEN.Lab Classification>>
  
  to
  
  "<<User System Data.OHDOT Class Single>>

- For the Text entity for hand penetrometer, HP, changed the Associated Text Expression from
  
  "<<LAB SPECIMEN.Hand Penetrometer>>
  
  to
  
  "<<IIf(<<Lab Specimen.Hand Penetrometer>> = "4.5+","4.5+",_
  
  "<<FirstData(<<Format(<<Lab Specimen.Hand Penetrometer>>,0.00)>>,_,
  
  "<<User System Data.Dash for No Lab Specimen Data>>))>>
  
  )>>"

**ODOT gINT Data Template**

On the UNCONF COMPR table changed the units shown in the header block from “in” to “mm” for both the specimen Diameter & Height fields.
You can download the revised gINT Library file and Data Template file from the ODOT Office of Geotechnical Engineering website at:

http://www.dot.state.oh.us/Divisions/Engineering/Geotechnical/Pages/gINTFiles.aspx

The October 2019 update represents the latest version of the gINT Library and Data Template files. The files are subject to change with future updates.