### Material Description and Notes

**0" TOPSOIL (DRILLERS DESCRIPTION)**
- Stiff, brown, silt and clay, some sand, office stone fragments, damp to moist

**50" MEDIUM DENSE, BROWN STONE FRAGMENTS WITH SAND, TRACE SILT, TRACE CLAY, MOIST**
- Limestone: Grayish orange with light gray, highly weathered, slightly strong, thick bedded, fossiliferous, vuggy, arenaceous, contains thin clay seams; RQD 71%, REC 100%.
  - @ 10.1' TO 10.4'; Qu = 2,694 PSI
  - @ 10.6' TO 10.9'; Qu = 1,716 PSI
  - @ 14.8' TO 15.1'; Qu = 2,156 PSI

**LIMESTONE: LIGHT GRAY WITH DARK YELLOWISH BROWN, MODERATELY WEATHERED, SLIGHTLY TO MODERATELY STRONG, THICK BEDDED, FOSSILIFEROUS, VUGGY, PETROLIFEROUS, ARENACEOUS; RQD 94%, REC 100%.
  - @ 10.6' TO 10.9'; Qu = 1,716 PSI
  - @ 14.8' TO 15.1'; Qu = 2,156 PSI

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### Table

<table>
<thead>
<tr>
<th>DEPTHS</th>
<th>SPT / RQD</th>
<th>N&lt;sub&gt;s&lt;/sub&gt;</th>
<th>REC (%)</th>
<th>MATERIAL DESCRIPTION</th>
<th>AND NOTES</th>
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</thead>
<tbody>
<tr>
<td>682.4</td>
<td>24 80 SS-1</td>
<td>2.00</td>
<td>-</td>
<td>TOPSOIL (DRILLERS DESCRIPTION)</td>
<td>STIFF, BROWN, SILT AND CLAY, SOME SAND, OFFICE STONE FRAGMENTS, DAMP TO MOIST</td>
</tr>
<tr>
<td>685.9</td>
<td>19 100 SS-2</td>
<td>1.00</td>
<td>-</td>
<td>MEDIUM DENSE, BROWN STONE FRAGMENTS WITH SAND, TRACE SILT, TRACE CLAY, MOIST</td>
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<tr>
<td>684.4</td>
<td>24 100 SS-3A</td>
<td>2.00</td>
<td>19 13 15 28 31 17 14 19</td>
<td>LIMESTONE: GRAYISH ORANGE WITH LIGHT GRAY, HIGHLY WEATHERED, SLIGHTLY STRONG, THICK BEDDED, FOSSILIFEROUS, VUGGY, ARENACEOUS, CONTAINS THIN CLAY SEAMS; RQD 71%, REC 100%</td>
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<tr>
<td>671.4</td>
<td>83 100 SS-3B</td>
<td>2.00</td>
<td>-</td>
<td>LIMESTONE: LIGHT GRAY WITH DARK YELLOWISH BROWN, MODERATELY WEATHERED, SLIGHTLY TO MODERATELY STRONG, THICK BEDDED, FOSSILIFEROUS, VUGGY, PETROLIFEROUS, ARENACEOUS; RQD 94%, REC 100%</td>
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</tr>
</tbody>
</table>

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### Notes
- Hole dry before coring.
- Boring plotted from drillers GPS.
- Elevation from district CADD files.
- Abandonment methods, materials, quantities: Mixed 50 lb. bentonite powder, 15 gal. water.

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**Project: ADA-125-19-6E**
- **Drilling Firm / Operator:** ODOT / PROCTOR
  - **Starting:** 9/24/14 **Ending:** 9/25/14
  - **Sampling Method:** SPT / NQ2
  - **Drilling Method:** 3.25" HSA / NQ2
  - **Hammer:** CME Automatic
  - **Drill Rig:** CME 850R Tracked
  - **Calibration Date:** 5/10/13
  - **Energy Ratio (%):** 88.4
  - **Energy Ratio (%):** 88.4
  - **Type:** Bridge Replacement
  - **PID:** 843236
  - **Elevation:** 692.9 (MSL)
  - **Location:** CL SR 125
  - **Latitude:** 40.772716; **Longitude:** -83.365800
  - **Notes:** Hole dry before coring. Boring plotted from drillers GPS. Elevation from district CADD files.