### Material Description and Notes

<table>
<thead>
<tr>
<th>ELEV</th>
<th>DEPTHS</th>
<th>SPT</th>
<th>RQD</th>
<th>REC SAMPLE</th>
<th>ID</th>
<th>HP (ft)</th>
<th>QADR</th>
<th>GRADE %</th>
<th>ATTERBERG</th>
<th>CLAY</th>
<th>CLAY SEAM</th>
<th>HOLE</th>
<th>密封</th>
</tr>
</thead>
<tbody>
<tr>
<td>684.9</td>
<td>Ø TOPSOIL, DRILLERS DESCRIPTION</td>
<td>5</td>
<td>6</td>
<td>19</td>
<td>94</td>
<td>SS-1</td>
<td>3.00</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<tr>
<td>670.6</td>
<td>LIMESTONE, GRAYISH ORANGE AND LIGHT GRAY, HIGHLY WEATHERED, SLIGHTLY STRONG, THICK BEDDED, FOSSILIFEROUS, VUGGY, ARENACEOUS, CONTAINS THIN CLAY SEAMS; ROD 89%, REC 100%.</td>
<td>2</td>
<td>3</td>
<td>10</td>
<td>94</td>
<td>SS-2</td>
<td>1.50</td>
<td>10</td>
<td>11</td>
<td>22</td>
<td>34</td>
<td>18</td>
<td>16</td>
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<tr>
<td>652.9</td>
<td>LIMESTONE, LIGHT GRAY WITH GRAY, MODERATELY WEATHERED, SLIGHTLY TO MODERATELY STRONG, THICK BEDDED, FOSSILIFEROUS, VUGGY, PETROLIUMOUS; ROD 74%, REC 97%.</td>
<td>2</td>
<td>2</td>
<td>15</td>
<td>1.4</td>
<td>SS-3</td>
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<tr>
<td>655.4</td>
<td>SHEET 1/18/2019 1:15:31 PM</td>
<td>2</td>
<td>2</td>
<td>15</td>
<td>1.4</td>
<td>SS-4</td>
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<tr>
<td>657.0</td>
<td>21.1 TO 21.4' THREE 45° FRACTURES</td>
<td>2</td>
<td>2</td>
<td>15</td>
<td>1.4</td>
<td>SS-5</td>
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<tr>
<td>659.6</td>
<td>24.3 TO 26.4' CONTAINS CAVITIES WITH LOSS</td>
<td>2</td>
<td>2</td>
<td>15</td>
<td>1.4</td>
<td>SS-6</td>
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</tbody>
</table>

**Notes:**
- Hole dry before coring.
- Boring plotted from drillers’ GPS.
- Elevation from district CAD.

**Abandonment Methods:**
- Mixed soluble bentonite powders, 15 gal. water.

PROJECT: ADA-125-19.68  
DRILLING FIRM / OPERATOR: ODOT / CAREY  
DRILL RIG: CME 55 TRUCK  
SAMPLED FIRM / LOGGER: ODOT / MCEILISH  
DRILLING METHOD: 3.25" HSA / NG2  
ENERGY RATIO (%) = 91.3  
SAMPLED METHOD: SPT / NG2  
ENERGY RATIO (%) = 91.3  
ELEVATION ID: B-002-0-14  
QUAD: 3672094, -8336805  
LAT / LONG: 36.72094, -83.36805  
START: 9/11/14  
END: 9/11/14  
STATION / OFFSET: 1054+37.875  
ALIGNMENT: CL SR 125  
ACCOUNTING / LOCATION: 14.5 ft.  
PAGE: 1 OF 1

MATERIAL DESCRIPTION AND NOTES

1. VERY LOOSE, BROWN, STONE FRAGMENTS WITH SAND, LITTLE SILT, TRACE TO LITTLE CLAY, CONTAINS DECAYED LEAVES AND STICKS, WET @ 1:23. MEDIUM DENSE, NON-DECAYED LEAVES OR STICKS.

2. MEDIUM DENSE, BROWN, STONE FRAGMENTS, SOME SAND, TRACE SILT, TRACE CLAY, WET.

3. LIMESTONE: YELLOWISH GRAY AND PALE ORANGE WITH BLACK, HIGHLY WEATHERED, SLIGHTLY STRONG, THIN BEDDED, VUGGY, PETROLIFEROUS, FOSSILIZEROUS, ARENACEOUS, BEDDED, FRAGMENTED OPEN, VERY ROUGH, CONTAINS CALCITE; RQD 65%, REC 100%.

4. LIMESTONE: MEDIUM GRAY WITH WHITE, MODERATELY WEATHERED, SLIGHTLY TO MODERATELY STRONG, THIN BEDDED, VUGGY, PETROLIFEROUS, ARENACEOUS, BEDDED, MODERATELY FRAGMENTED, OPEN, VERY ROUGH, CONTAINS CALCITE; RQD 56%, REC 100%.

5. NOTE: CORE

MATERIAL DESCRIPTION AND NOTES

1. SOFT TO MEDIUM STIFF, BROWN, SANDY Silt, Some Clay, Trace Stone Fragments, Moist to Wet.

2. MEDIUM DENSE, BROWN, STONE FRAGMENTS, LITTLE TO SOME SAND, NONE TO TRACE SILT, TRACE CLAY, WET.

3. LIMESTONE: DARK GRAY WITH BLACK, MODERATELY WEATHERED, MODERATELY TO MODERATELY STRONG, THIN BEDDED, FOSSILIZEROUS, PETROLIFEROUS, ARENACEOUS, SLIGHTLY VUGGY, BEDDED, MODERATELY FRAGMENTED, OPEN, VERY ROUGH, RQD 100%, REC 100%, @ 8' 9" TO 10' 7" (264 ft - 306 ft).  

4. LIMESTONE: MEDIUM GRAY WITH WHITE, MODERATELY WEATHERED, MODERATELY TO MODERATELY STRONG, THIN BEDDED, VUGGY, FOSSILIZEROUS, PETROLIFEROUS, ARENACEOUS, BEDDED, MODERATELY FRAGMENTED, OPEN, VERY ROUGH, CONTAINS CALCITE; RQD 65%, REC 100%.

5. NOTE: CORE

NOTES: BORING PLOTTED FROM DRILLERS GPS. ELEVATION FROM DRILLERS FIELD MEASUREMENTS.

NOTES: HOLE DRY BEFORE CORING. HOLE DRILLED THROUGH BRIDGE DECK. STREAM BOTTOM @ 27' BELOW TOP OF DECK.

NOTES: HOLE DRILLED THROUGH BRIDGE DECK, GROUND SURFACE @ 27' BELOW TOP OF DECK.

Abandonment Methods, Materials, Quantities: Poured 80 lb. Bentonite Chips.