**Soil Density Technician Assessment & IA Split Sampling**

**Summary Sheet**

Technician Name: Click or tap here to enter text. Technician ID#: Click or tap here to enter text.

Technician Assessor Name: Click or tap here to enter text. Assessment Date: Click or tap to enter a date.

IA Sampling Assessor Name: Click or tap here to enter text. IA Sampling Date: Click or tap to enter a date.

HiCAMS #: Click or tap here to enter text.

**Technician Assessment Results**

|  |  |  |
| --- | --- | --- |
| **Test Procedure** | **Assessment Results** | **Investigation Notes (Required if Un-Acceptable)** |
| Conventional Density | Choose an item. | Click or tap here to enter text. |

**IA Split Sampling Results**

|  |  |  |
| --- | --- | --- |
| **Test Procedure** | **Sampling Results** | **Investigation Notes (Required if Un-Acceptable)** |
| Conventional Density | Choose an item. | Click or tap here to enter text. |

Notes:

Click or tap here to enter text.

**Test Method For Conventional Density (Test 1A)**

**AASHTO**

**NCDOT IA Assessment and Split Sampling**

Technician Name: Click or tap here to enter text. Technician ID#:Click or tap here to enter text.

**Procedure**  **1st Trial** **2nd Trial**

1. Verify equipment meets all requirements per AASHTO Standard.
2. Verify the length of test section was determined and calculations correct.
3. Empty mold and collar reading to 4psi.
4. Place the Volume Meter on plate, scribe around the plate edge and

mark valve location.

1. Verify a flat reading of 4psi.
2. Remove all the material from the test hole and place into a sample pan,

confirm all material is in pan.

1. Determine hole size, allowable measures are: .03200 - .03500 ft3

or 910 – 990 cm3.

1. Verify the hole reading is 4 psi.
2. Verify soil residue for any rock is broken down and/or incorporated into

second layer.

1. If judgement factors are incorporated, apply now.
2. Soil shall be divided into three equal parts.
3. Compact soil into mold on top of 50lb. weight or approved platform.
4. Compact soil into mold in three equal layers and apply 25 blows per layer,

stopping on the third layer at 18 blows and scribe around the inside of

mold, apply the final 7 remaining blows.

1. Verify the mold with soil is reading 4 psi.
2. Determine the % compaction.

Technician Assessor Name: Click or tap here to enter text. Assessment Date: Click or tap to enter a date.

IA Sampling Assessor Name: Click or tap here to enter text. IA Sampling Date: Click or tap to enter a date.

**Technician Assessment Requirements**

|  |
| --- |
| **To successfully complete each step in the above procedure within two trials.** |

**Technician Assessment Results**

|  |  |  |
| --- | --- | --- |
| **Technician Assessment** | **Results** | **Investigation Notes (Required if Un-Acceptable)** |
| Trial 1 | Choose an item. | Click or tap here to enter text. |
| Trial 2 | Choose an item. | Click or tap here to enter text. |

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**IA Split Sampling Requirements**

|  |  |  |  |
| --- | --- | --- | --- |
| **Correlation** | **Acceptable**  **(<= 5.0%)** | **Un-Acceptable**  **(> 5.0%)** | **Investigation Notes**  **(Required if Un-Acceptable)** |

**IA Split Sampling Results**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Technician Results (%)** | **IA Assessor Results (%)** | **Correlation Results** | **Investigation Notes** |
| Trial 1 |  |  | Choose an item. | Click or tap here to enter text. |
| Trial 2 |  |  | Choose an item. | Click or tap here to enter text. |