
ATTI – PERFORMANCE CHECKLIST

FIELD TECHNICIAN

AASHTO T272-18 (reference: AASHTO T99) ONE POINT PROCTOR

T272
SEC: 4.3 The Method used **must** match the Method used for the Laboratory Moisture – Density.

T272
SEC: 6.1 The sample size determined by the Test Method.

T99
SEC: 4.3 Sieve the soil over the #4 screen.

T272
SEC: 7.1 Adjust the moisture content to 80 to 100 percent of optimum.

AASHTO T99 METHOD A

T99
SEC: 5.1 Determine the mass of the appropriate mold to the nearest 0.005lbs (the tester can say to the nearest 1 gram). Do not include the extension collar in the weight.

T99
SEC: 5.3 Mold rests firmly on a dense, uniform, rigid, and stable foundation during compaction.

T99
SEC: 5.3 Form a specimen by compacting the prepared soil in the mold assembly in 3 approximate equal layers to give a compacted depth of about 5".

T99
SEC: 5.3 Spread the loose material uniformly in the mold.

T99
SEC: 5.3 Before compacting, lightly tamp the loose material with the rammer until it is not in a loose or fluffy state.

T99
SEC: 5.3 Compact each lift with 25 distributed blows from a height of 12". Following compaction of the first 2 layers, any soil adjacent to the mold walls, extending above the surface, must be trimmed down.

T99
SEC: 5.3.1 After compacting the final lift, remove the extension collar and trim the soil even with the top of the mold, using a straightedge.

T99
SEC: 5.3.1 The compacted specimen and mold are weighed to the nearest 0.005lbs or nearest gram.

T99
SEC: 5.3.1 Determine the wet mass of the sample by subtracting the mold and baseplate empty, from the mold, baseplate, and compacted soil.

T99
SEC: 5.4 Extrude the material from the mold. Slice vertically through the center and remove one of the cut faces for a moisture sample. The sample size shall meet the requirements of the test method.

T99
SEC: 4.3 When the sample has oversized particles use the rock correction procedure.

AASHTO T99 METHOD D (Differences)

T99
SEC: 8.3 Method is performed on material passing the $\frac{3}{4}$ " sieve.

T99
SEC: 11.1 Sample is compacted in a 6" mold.

T99
SEC: 11.1 Sample is compacted with 56 uniformly distributed blows.