

AGGREGATE MATERIALS FOR WAQTC

MATERIALS NEEDED

3-4 helpers needed

Quartering

1 Splitter Sample Mechanical Splitter
1 quartering sample Shovel, broom and dust pan

Moisture needed

Use wash samples Oven or stove

Sieve Analysis

1- 20lb coarse sample & 500 grams fine material per attendee
Coarse and fine sieve shaker

Fracture needed

2-4 coarse samples scale

Sand Equivelant

1000-1500 grams for every 4 attendees
Complete Sand Equivelant Kit with working solution

CONCRETE MATERIALS FOR WAQTC

EQUIPMENT NEEDED

2-3 helpers needed

Temperature Thermometer
Slump Slump cone, tamping rod & plate or sign
Density Air Meter vessel, scale, tamping rod and mallet
Air Meter Complete Air Meter Kit
Molding specimens Molds and appr. Tamping rods

MATERIALS NEEDED

1/2 CU.YD OF CONCRETE
2 BUCKETS OF WATER
2 SLUMP STATIONS
1-2 MOLDING SPECIMEN STATIONS
1-2 AIR METER STATIONS
RAGS, GLOVES, SPONGES, SIGNS AND WHEELBARROW

ASPHALT MATERIALS FOR WAQTC

MATERIALS NEEDED

3-4 helpers needed

Quartering

1 Splitter Sample Quartering pan with paddles
Atleast a 5 lb sample

Moisture needed

1000 gram sample pan and oven

Rice Specific Gravity

2-3 2000 grams sample
Flask, bath, vaccum and towel

Density needed

3-4 core or brickette
Scale, suspension equip., bath and towel

Ignition Burn

sieve shaker, wash area and burn baskets
2-3 burn sample in baskets
1 extracted burn sample for 4 attendees (WASH)
2 samples ready for sieve analysis

EMBANKMENT MATERIALS FOR WAQTC

MATERIALS NEEDED

2-3 helpers needed

Moisture needed

Proctor sample oven and scale

Density - Moisture

proctor material 3lbs per group ex. 15ppl =5 groups

Manual rammer, mold, scale, containers, straight edge and brush

Liquid Limit and Plastic Limit needed

-40m material 50 grams per attendee

liquid Limit device, grooving tool, spatula, containers, rags and paper

Moisture -Density (Nuke Gauge)

1 on hand for performance and practice

Complete Nuclear gauge Kit

Coarse Specific gravity 2-3 coarse samples 3lbs

Scale, suspension equip., bath and towel