### Aggregate Materials for WAQTC

**MATERIALS NEEDED**

- 3-4 helpers needed

**Quartering**

- 1 Splitter Sample
- 1 quartering sample

**Moisture needed**

- Use wash samples

**Sieve Analysis**

- 1-20lb coarse sample & 500 grams fine material per attendee

**Fracture needed**

- 2-4 coarse samples

**Sand Equivalent**

- 1000-1500 grams for every 4 attendees

**Complete Sand Equivalent 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

**Moisture needed**

- 1000 gram sample

**Rice Specific Gravity**

- 2-3 2000 grams sample

**Density needed**

- 3-4 core or brickette

**Ignition Burn**

- sieve shaker, wash area and burn baskets

### Embankment Materials for WAQTC

**MATERIALS NEEDED**

- 2-3 helpers needed

**Moisture needed**

- Proctor sample

**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**