

# MOBILE ASPHALT TECHNOLOGY CENTER PROGRAM

## WHAT TO ANTICIPATE WHEN THE ASPHALT TESTING TRAILER ARRIVES FOR AN ON-SITE VISIT

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### SETUP LOCATION

The testing trailer is a semi-trailer measuring 8.5 ft. wide by 53 ft. long with a 5 ft. by 15 ft. expansion. When fully set up the MATC requires an area of approximately 20 ft. wide by 53 ft. Including the length of the tractor, the rig is about 72 ft. long. After setup, the tractor is usually uncoupled and moved from under the trailer kingpin. It is desirable to have a secure location near the production plant that is flat and level. The trailer requires a hard, level surface, capable of supporting the 75,000 lbs. load from the four outrigger support legs (18,750 lb. per support).

### ELECTRICAL POWER

The electrical requirements for the mobile lab require a 208 - 240-volt AC, single phase, 200-amp service. The trailer has 150 ft. of 1/0 AWG outdoor wrapped cable with an additional pigtail attachment for connecting to a power box or transformer. The 4-wire pigtails, which have a coupled connection on one end and bare wire on the opposite end, can be sent in advance for attachment to a power source by an electrician.

### POTABLE WATER

The mobile lab has a self-contained potable water supply system with a 150 gal. tank and an on-demand pump. When possible, a regular garden hose connection is used to bypass the tank. If no potable water is immediately available near the trailer site, then water can be brought in daily in a tank truck or other containers. Average daily potable water consumption during HMA production testing is 100 gal.

### STORAGE AREA

The trailer travels with support equipment and supplies packaged and stacked in the interior aisles. For the lab to operate, some of this equipment, supplies, and transport packaging must be stored outside the trailer. It can be placed on pallets under tarps if a more secure and weatherproof area is not available.

## SAMPLING STAND

We prefer to utilize the same sampling location as the state DOT. Sometimes asphalt mixture sampling is from the back of a truck at the production plant, especially when sample sizes are large. If this is the case, a sturdy elevated sampling stand is desirable for safety and convenience.

## RESTROOM

Restroom facilities are required for four laboratory staff.

## PROJECT INFORMATION

The more information that can be obtained about the project the better. This includes copies of the approved Job Mix Formula, job specifications and plans, material (aggregate and binder tests) history, significant state test procedures, location maps, personnel and contact lists, traffic, underlying layers and subgrade, etc. Specific information about the plant and lay down will be obtained during the site visit.



**MATC**  
MOBILE ASPHALT TECHNOLOGY CENTER