



# TEX-221-F

Sampling Aggregate and Limestone Rock Asphalt (LRA)



## Why

To produce a sample that is representative of the material from the stockpiles that will be tested.



## When

- Item 302
- Special Spec. 3076
- Special Spec. 3077
- Special Spec. 3079
- Special Spec. 3080
- Special Spec. 3081
- Special Spec. 3082
- Tex-204-F
- Tex-235-F



## How

### Sample Size

- Obtain samples from completed stockpiles, use Table 1 to determine the minimum sample size.
- Use a splitter or a quartering cloth to reduce the sample size.

### 1. Front-End Loader Procedure

- Determine the minimum number of samples required for approval based on the Department's Guide Schedule
- Sample from a minimum of two sectors
- Clean and level the ground at the sample location to prevent contamination.
- Cut approximately at the ground level to the top edge of the stockpile until a clean face is exposed. The exposed vertical face should be perpendicular to the top edge. Discard the material cut away while exposing the clean face.
- Build a sample pad by cutting into the vertical face at the ground level to the full height of the stockpile in one motion. Lower the bucket as close to the ground as possible and empty the bucket in one motion.
- Use the bucket to strike and level the material to make the sample pad.
- Trace lines on top of the sample pad to outline four evenly sized quarters.
- Place material into clean sample bags or containers, then seal and label.

### 2. Shovel Procedure

- Visually divide the stockpile into equal sectors., aggregate must be sampled from a minimum of two sectors for acceptance. Within each sector from the top third, at the mid-point, and bottom third of the stockpile. Sampling must be performed in no less than these three increments.
- Dig a 1 ft. deep and 3 ft. diameter trench at each sample location. A board may be shoved vertically into the stockpile just above the point of sampling to prevent aggregate rolling down during sampling.
- Do not use the aggregate removed from the trenched area as a part of the sample.
- Sample from innermost part of trench into a clean sample bag or container, then seal and label.