

SAMPLING BITUMINOUS MIXTURE FROM THE TRUCK BED

(Note: This procedure may be used when approved by the Engineer and where applicable; some equipment, i.e. truck styles, are not suited for truck bed sampling. Whenever mix properties fail to meet requirements or are out of comparison tolerances, sampling must be from behind the paver until the mix is corrected.)

- 1) Determine the number of production tests required as per 2350.5C3 or 2360.4D.
- 2) Use random numbers to identify the "tons to be sampled". In reality this number is only used to identify the truckload from which the sample is taken.

Example: random number x lot or subplot size = tons to be sampled

$$\begin{aligned}0.75 \times 500 &= 375 \text{ or} \\0.46 \times 1000 &= 460\end{aligned}$$

Subsequent lots would be equal to random number x lot size + start tonnage for that lot.

$$0.54 \times 1000 + 2000 = 2540$$

- 3) Keep a running total of hot mix production for each mix. This will enable a continuous determination of truckloads that will require sampling.
- 4) When taking the sample obtain at least three approximately equal increments. Select at random from the unit being sampled, and combine to form a field sample whose quantity equals or exceeds the minimum required.
- 5) Mark the weigh ticket with "Load to be sampled" for all truckloads that require sampling.
- 6) All samples obtained from the truck bed **must be monitored** by agency personnel and noted on the test summary sheet as "Truck Bed Sample".

