

**OHD L-5
METHODS OF
SAMPLING BITUMINOUS MATERIAL**

- I. **SCOPE.** These methods apply to the sampling of liquid bituminous materials at the receiving point, project site, or mixing plant.
- II. **PURPOSE.** Random samples of materials that have been approved at source to check uniformity of production and possible contamination by handling and/or storage.
- III. **TIME AND PLACE.**
 - A. **Truck Transports.** At time of unloading.
 - B. **Storage Tanks.** Preferably during circulation at or near working temperature.
 - C. **Mixing Plant.** During circulation at working temperature.
- IV. **SIZE OF SAMPLE.** Approximately $\frac{2}{3}$ quart (650 ml).
- V. **CONTAINERS.** Approximately one quart friction lid cans. (A supply of cans is maintained by the Materials Division for this purpose.)
- VI. **PROTECTION AND PRESERVATION OF SAMPLES.**
 - A. Care shall be taken that the samples are not contaminated with dirt, cleaning solvents, or other extraneous matter and that the sample containers are perfectly clean and dry before filling.
 - B. Immediately after filling, the sample containers shall be tightly closed and properly marked for identification on the container itself or on a shipping tag attached to the container. When necessary to clean outside of container after filling, use only a clean dry rag.
 - C. Samples of emulsions will not be taken during freezing temperatures and shall be packaged to protect from freezing during shipment.
NOTE: These samples shall be taken in one quart (1 Liter) plastic containers.
 - D. Samples shall be shipped or delivered promptly to the Materials Division laboratory. (Any delay in shipment defeats the purpose of the sample.)
- VII. **SAMPLING.**
 - A. **Truck Transports.** Sample to be taken by means of a sampling valve ($\frac{3}{8}$ inch to $\frac{1}{2}$ inch) located in the discharge or unloading line during the unloading of the approximate middle one-third of the load. The first flow through the sampling valve of one or two gallons shall be wasted after which the sample shall be drawn directly into the sample containers.
 - B. **Mixing Plant.** Sample to be taken from a sampling valve located in the return line between the pump and storage tank. The first flow from the sampling valve of one or two gallons to be wasted after which the sample shall be drawn directly into the sample container.

NOTE: This Document has been Replaced

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- C. **Storage Tank.** Sample taken during the circulation of tank contents. Sampling procedure is the same as VII. B.

- D. **Storage Tank.** If circulation is not in operation at the time of sampling, obtain sample by means of weighted bottle or other suitable sample thief. Quickly lower sample thief to near bottom of tank and withdraw at a rate of speed so that the sample thief is not completely filled when removed. Sample thief should be cleaned each time it is used and dipped two or three times in the material being sampled before taking the sample. Immediately after taking, pour sample from sample thief directly into sample containers.