

DRY PREPARATION OF AGGREGATES / REDUCING FIELD SAMPLES

LS-600 _____.
C702 _____

PROCEDURE

Selection of Method

1. Fine Aggregate:
 - (a) Drier than saturated surface dry, Method A (Splitter)?..... _____
 - (b) Free moisture present, Method B (Quartering)? _____
 - (c) Free moisture present, Method C (Miniature Stockpile)?..... _____
 - (d) Free moisture present, preliminary split of bulk sample using wide chute (37.5 mm or more) splitter to obtain at least 5 kg dried and reduced by means of Method A? _____
2. Coarse Aggregate and Mixtures of Fine and Coarse Aggregate:
 - (a) Method A _____ or Method B _____ used? _____

Note: Method C may not be used.

Method A - Splitting

1. **Splitter equipped with hopper or straight edged pan (feed pan) with width equal to or slightly less than overall width of chutes?** _____
2. Material spread uniformly on feeder? _____
3. Rate of feed slow enough so that sample flows freely through chutes? _____
4. Material in one pan re-split until desired weight is obtained? _____

Method B - Quartering

1. Sample placed on clean, hard and level surface? (See **Note** below) _____
 2. Mixed by turning over 3 times with shovel or by raising canvas and pulling over pile? _____
 3. Conical pile formed? _____
 4. Pile flattened to uniform thickness and diameter? _____
 5. Diameter about 4 to 8 times thickness? _____
 6. Divided into 4 equal portions with shovel or trowel? (See **Note** below) _____
 7. Two diagonally opposite quarters, including all fine material, removed? _____
 8. Cleared space between quarters brushed clean? _____
 9. Process continued until desired sample size is obtained? _____
- Note:** The sample may be placed upon a canvas quartering cloth and a stick or pipe may be placed under the cloth to divide the pile into quarters.

Method C - Miniature Stockpile Sampling (Fine Aggregate Only)

1. Sample placed on clean, hard and level surface? _____
2. Material thoroughly mixed by turning over 3 times? _____
3. Small stockpile formed? _____
4. At least 5 grab samples taken at random with sampling thief, small scoop or spoon? _____

