



In this example the random QC sample fell late in subplot a and test results indicated that voids were below the limits for removal. By specification subplot a should be removed.

By the time the test results were available and corrective action was taken, the contractor had crossed into subplot b. Assuming that mix properties were acceptable at the beginning of subplot a, the actual limits of unacceptable material are indicated by the dashed lines.

If we strictly adhere to the specification, it is likely that acceptable material early in subplot a will be removed. It is also likely that unacceptable material early in subplot b will be left in place.

An adequately documented self-test may be used to zero in on the transitions out of, and back into, acceptable mix. It doesn't matter that the data is approximate, only that it is above the limit for removal.

Random tests are to be replaced by the number of random test locations being removed and replaced regardless of tonnage. For example, if 750 tons replace area covered by 2 random tests, the new tests would be randomly chosen in each 375 ton portion of the replaced mixture.