1408 CULVERT & MISCELLANEOUS CORES

These are Central Lab, Concrete & Metals Lab tests performed in accordance with AASHTO T 280.

Five-hour boil absorption, steel size and placement, and height or wall thickness in the case of culvert cores.

Compression tests on culvert cores are only performed on special request.

1409 CONCRETE DRAIN TILE

These are Central Lab, Concrete & Metals Lab tests performed in accordance with AASHTO T 280.

Dimensions are recorded and a 3-edge bearing crushing strength is performed.

1410 PAVEMENT CORES

These are Central Lab, Concrete & Metals Lab tests performed in accordance with AASHTO T 22.

Core height or pavement thickness, steel placement and compressive strength.

1411 CONCRETE PAVEMENT BEAMS

This test is run in the field and occasionally in the District Labs and is performed in accordance with AASHTO T 97.

Only the third point loading method is used. The procedure is administered by the C.O., Concrete Office.

1412 LINEAR TRAVERSE

This test is a microscopical determination of the air void content of hardened concrete. The test is run in the Central Lab, Aggregate Lab in accordance with ASTM C 457 (Mn/DOT modified).

1413 FLY ASH

These are Central Lab, Cement Lab tests.

Specific gravity, fineness and % passing 45μm (#325) sieve are run on fly ash. Pozzolonic activity and shrinkage are run on a mixture of fly ash, cement and graded standard silica sand and this is compared to a mixture of cement and graded silica sand. These tests are run for project acceptance.

Tests are run in accordance with the following:

ASTM C 109 ASTM C 593