Lab 6 Data for Homework

ASTM D-6926

Mass of aggregate = 1100 g
Target asphalt content (given) = 6.50 %
Mass of asphalt cement added (target) = 76.5 g
Mass of asphalt cement added (actual) = 76.5 g
Actual asphalt content = 6.50 %

ASTM D-3549

Height of pat (Measurement 1) = 2.68 in
Height of pat (Measurement 2) = 2.68 in
Height of pat (Measurement 3) = 2.69 in
Height of pat (Measurement 4) = 2.68 in
Average height of pat = 2.68 in

ASTM D-2726

Air-dry mass of asphalt pat in air (A) = 1121.6 g
Mass of basket plus asphalt pat suspended in water = 599.1 g
Mass of basket suspended in water (or “0” if tare was set) = 0.0 g
Mass asphalt pat suspended in water (C) = 599.1 g
Mass of SSD asphalt pat in air (B) = 1129.0 g
Mass of water displaced by the asphalt pat (B–C) = 529.9 g