ATTERBERG LIMIT TEST

Tested on & by		Boring No	
Project Name		Sample No	
Location		Sample depth	

Natural Water Content					
Container No.					
Wt. of Container					
Wt. of Container + Wet Soil					
Wt. of Container + Dry Soil					
Wt. of Water, W_w					
Wt. of Dry Soil, W_s					
Water Content (%)					

Liquid Limit Test (W_L)					
Number of blows					
Container No					
Wt. of Container, (gm)					
Wt. of Container + Wet Soil, (gm)					
Wt. of Container + Dry Soil, (gm)					
Wt. of Water, W_w , (gm)					
Wt. Dry Soil, W_s, (gm)					
Water Content (%)					
Liquid Limit, W_L (%)-From graph, for 25 blows					

Plastic Limit Test (W_P)					
Container No					
Wt. of Container, (gm)					
Wt. of Container + Wet Soil, (gm)					
Wt. of Container + Dry Soil, (gm)					
Wt. of Water, W_w, (gm)					
Wt. Dry Soil, W_s, (gm)					
Water Content (%)					
Plastic Limit Test (W_P), Average Water Content (%)					

Shrinkage Limit Test (W_S)			
Observation No			
Shrinkage Dish No			
Wt. of Shrinkage Dish, (gm)			
Wt. of Shrinkage Dish + Wet Soil,(gm)			
Wt. of Dish Shrinkage + Dry Soil			
Wt. of Wet Soil Pat, W_i ,(gm)			
Wt. of Dry Soil Pat, W_f ,(gm)			
Volume of wet Soil pat, V_i (inner volume of Shrinkage Dish)			
Volume of dry Soil pat, V_f (Volume of displaced water in cylinder)			
Shrinkage Limit, W_S = $(W_i - W_f)*100/ W_f – (V_i - V_f)*100*\Upsilon_w / W_f$			

Sign. Of Teacher