Public infrastructure components like roads, water mains, bridges, and transmission towers all need a strong foundation. ASTM standards help engineers make good decisions about the stability of the ground under critical infrastructure — reducing costs and ensuring safety.

**What are the load requirements for the piers under that new bridge?**
Standard D1143/D1143M helps determine load deflection behavior.

**Is the earth below the planned road solid enough for paving?**
D6938 helps measure compacted soil subgrade density.

**Before digging, how do engineers find out what’s hidden underground?**
The equipment used in D6432 helps investigate subsurface conditions.

**How stable is the land under that new transmission tower?**
D2166/D2166M provides critical soil strength data.

Drilling and sampling according to ASTM standards helps field technicians make sure that soil, rock, and groundwater are stable enough to support a proposed structure.

In the lab, ASTM tests describe properties like soil compaction, density, texture, particle size, and more.