

## LeConte Events Center Pigeon Forge, Tennessee



### Services Provided:

- **Subsurface Exploration**— soil test borings geotechnical engineering
- **Construction Testing**— site preparation testing foundation observation field testing of concrete masonry & structure steel
- **Laboratory Testing**— standard proctors moisture content Atterberg limits concrete compressive strength

Located in Pigeon Forge, this 30+ million project consisted of construction of a 240,000 sf convention facility with structural steel frame, pre-cast concrete walls and concrete slabs on grade. The exhibit hall has a 300 feet clear-span steel truss roof structure. ETS was retained by the City of Pigeon Forge to provide subsurface exploration which included both soil test borings and observation trenches. Our team worked with the project architect and structural engineer in determining the appropriate foundation system for the structure.

During construction ETS provided both full-time and part-time engineers and construction engineering and inspection technicians to observe foundation construction, reinforcing steel placement, concrete placement and steel erection, as well as lab support for testing of soils and concrete.

*Client - City of Pigeon Forge and Merit Construction*



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