

Dollywood Coaster– Lightning Rod Pigeon Forge, TN



Services Provided:

- **Field Density Testing**–
soil, basestone, and
asphalt
- **Construction Testing**–
site preparation testing
foundation observation
field testing of concrete
masonry & structure steel
- **Laboratory Testing**–
standard proctors
concrete compressive
strength

This \$25 million project was completed in 2016. The project consisted of the construction of the world's fastest wooden coaster. ETS provided full time on-site personnel to monitor footing excavations and installation, undercutting of unsuitable soils, placement of compacted fill, reinforcing steel placement, masonry construction, performed concrete testing and structural steel inspections.

ETS also performed the subsurface exploration during the planning phase to determine the suitability of in-place soils for the proposed construction.

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