



Meskel and Associates Engineering, PLLC

GEOGTECHNICAL ■ CONSTRUCTION TESTING



Duval County, Florida

Duval to JAX Heights 230-kV Circuit 954 Transmission System Addition

Estimated Construction Cost

\$3.5M

Design Completion Date

2011

Client

Fred Wilson & Associates, Inc.

Contact

Mr. Ed Wisser, P.E.

This project included the design of approximately 12 miles of JEA transmission line from the FP&L Duval Substation to the JEA Jax Heights Substation in western Jacksonville, Duval County, Florida. MAE's projects tasks included performing Standard Penetration Test (SPT) borings at each proposed spun concrete pole location, muck probing in low-lying areas along the alignment, and preparing soil parameter tables at each boring/pole location for use in design of the structures.

MAE Project Responsibilities Included:

- Field work including 100 SPT borings
- Muck Probing in proposed maintenance roadway low-lying areas
- Corrosion Series and Soil Index Property testing
- Preparation of soil parameters at each boring location for design of the transmission line spun concrete poles