



## Collins Road

Jacksonville, Florida

Shindler Road to Rampart Road, Bridge Over McGirts Creek, Mast Arm Signalization Structures

This project consisted of widening Collins Road to a 4-lane urban section and expanding the existing 2-lane Collins Road Bridge over McGirts Creek to accommodate the widened roadway. Meskel & Associates Engineering staff provided the geotechnical engineering and supervised the field explorations required to investigate subsurface conditions within the proposed roadway and bridge widening areas.

**Estimated Construction Cost:** \$23 Million

**Design Completion Date:** 2006

**Client:** Parsons Brinkerhoff Quade & Douglas / GTI, Inc.

**Contact:** Daniel Hiden, P.E.

### Project Responsibilities Included:

- Performing Standard Penetration Test (SPT) borings to depths of approximately 50 to 80 feet below existing grade near the bridge end bents and from the bridge deck
- Evaluating subsurface conditions using FB-Deep to determine the Davisson pile capacity
- Providing recommendations for pile installation
- Preparing geotechnical reports for the project including Roadway Soils Survey and Structure Reports

