



GEOTECHNICAL INSTRUMENTATION SERVICES

FOUNDATION TEST GROUP, Inc.

Incorporated in 2002, Foundation Test Group, Inc. is a certified WBE engineering and testing firm. Our engineers and geologists specialize in geotechnical instrumentation, vibration monitoring, preconstruction surveys and their diversified analyses and applications. FTG, Inc. provides geotechnical instrumentation design, installation, monitoring and analysis services on a routine basis.

AREAS OF EXPERTISE

FTG has extensive expertise in the design, installation, monitoring and analysis of the following geotechnical instrumentation:

- Inclinometers (manual and remotes)
- Piezometers
- Strain Gages
- Tilt Meters
- Settlement Plates
- Load Pressure Cells
- Extensometers
- Vibration Monitoring
- Remote Systems
- Load Test Systems
- Geophysical Methods

For more information contact **Jeff Goodwin, P.E.**

jgoodwin@foundationtestgroup.com or call Jeff at **443-463-3173**



PROJECT EXPERIENCE (INSTRUMENTATION):

- **DC Water Division I – Washington, DC (2014-) Corman Construction:** Geotechnical Instrumentation Engineer service. Performed DCRA soil boring permitting. Instrumented and monitored new and existing utilities and shafts. Instrumentation includes, single and multipoint borehole extensometers, manual inclinometers, vibrating wire and standpipe piezometers, strain gage/deformation monitoring, utility monitoring points, settlement monitoring points, and vibration monitoring. Controlled construction sequence based upon interpretation of instrumentation results.
- **Maryland Route 5/Branch Avenue, Prince Georges County, Maryland (2014-) Cherry Hill Construction:** Instrumented and monitored embankment for MD Route 5 Interchange. Instrumentation included settlement plates and inclinometers. Controlled construction sequence based upon interpretation of instrumentation results.
- **DC Water Division E – M Street Tunnel, Washington, DC (2012-2014) Corman Construction:** Instrumented and monitored new tunnel alignment and shafts. Instrumentation included automated robotic Theodolites, multi point borehole extensometers, manual and automated inclinometers, vibrating wire and standpipe piezometers, utility monitoring points, settlement monitoring points, vibration monitoring and pre/post construction surveys. Controlled construction sequence based upon interpretation of instrumentation results.
- **DC Water CSO-019, Washington, DC (2012-2014) Ulliman Schutte Construction:** Instrumented and monitored CSO Excavation. Instrumentation included manual inclinometers, standpipe piezometers, utility monitoring points and settlement monitoring points. Controlled construction sequence based upon interpretation of instrumentation results.
- **Middletown WWTP, New Jersey (2008-2010), PKF Mark III:** Designed test program, instrumented for excavation support in New Jersey. Instrumentation included vibration monitoring, settlement plates, inclinometers, and piezometers. Controlled construction sequence based upon interpretation of instrumentation results
- **New Design WWTP, Maryland (2008-2009), HCEA:** Designed test program, instrumented and analyzed results for excavation support in Maryland. Instrumentation included strain gage monitoring of tank deformation and inclinometers. Controlled construction sequence based upon interpretation of instrumentation results
- **ICC Contract C, Maryland (2008-2010) ICC Contractors:** Instrumented and monitored 2000 lf embankment over out wash soils in Maryland. Embankment included preparation of subgrade and installation of surcharges. Instrumentation included settlement plates, magnetic extensometers, inclinometers, piezometers, etc. Controlled construction sequence based upon interpretation of instrumentation results.
- **New Bald Eagle Road, Prince Georges County, Maryland (2011) FO Day:** Instrumented and monitored 500 lf embankment over soft soils in Maryland. Embankment included preparation of subgrade and installation of surcharges. Instrumentation included settlement plates, inclinometers and piezometers. Controlled construction sequence based upon interpretation of instrumentation results.
- **RT 24 Interchange, Harford County, Maryland (2010-2011) Daisy Construction:** Instrumented and monitored 500 lf retaining walls over soft soils in Maryland. Walls included preparation of subgrade and installation of surcharges. Instrumentation included settlement plates and piezometers. Controlled construction sequence based upon interpretation of instrumentation results.
- **Driscoll Bridge, Garden State Parkway, New Jersey(2003-2004), PKF Mark III:** Designed test program, instrumented and monitored 500 lf light weight fill embankment for Driscoll Bridge approaches, New Jersey. Instrumentation included settlement plates, magnetic extensometers, and piezometers. Controlled construction sequence based upon interpretation of instrumentation results
- **Maryland Route 4/260, Calvert County, Maryland (2002-2003) Fachina Construction:** Designed test program, instrumented and monitored 2000 lf embankment for MD Route 4/260 Interchange, Calvert County, Maryland. Embankment included dynamic compaction preparation of subgrade and installation of surcharges. Instrumentation included settlement plates, magnetic extensometers, inclinometers, piezometers, etc. Controlled construction sequence based upon interpretation of instrumentation results.
- **Maryland Route 5/Branch Avenue, Prince Georges County, Maryland (2006-2008) Cherry Hill Construction:** Instrumented and monitored embankment for MD Route 5 Interchange. Instrumentation included settlement plates and inclinometers. Controlled construction sequence based upon interpretation of instrumentation results.
- **Maryland Route 5, Charles County, Maryland (2005) Cherry Hill Construction:** Instrumented and monitored 2000 lf embankment for MD Route 5 Hughesville Bypass, Charles County, Maryland. Instrumentation included settlement plates and inclinometers. Controlled construction sequence based upon interpretation of instrumentation results.

