



**4. SUBCONTRACTORS/  
JOINT VENTURES**



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In addition to our own expertise, we have partnered with geotechnical engineers, traffic engineers, surveyors, mappers, and SUE, experts firms to deliver the best solutions for Lake County. Below, please find a listing of our partners and their respective roles for this contract.

Firm	Role
Ardaman and Associates, Inc.	Geotechnical Services
Aspireon Consulting Group, Inc. (WBE/DBE)	Traffic Signals Analysis and Design Services
Halff Associates, Inc.	Surveying and Mapping Services
Precise Locating Group, Inc.	Utilities Locating Services
Peggy Malone & Associates, Inc.	Traffic Counts Services
Protean Design Group, Inc. (DBE)	Transportation Studies/Concurrency Reviews/Engineering Plans/Traffic Studies and Design/Intersection Design

**Ardaman and Associates, Inc.** was founded in 1959 by Dr. M.E. Ardaman, and the company has continually provided engineering services in the ensuing years. The company originated in Orlando but expanded over the years to meet the needs of our clients. Their corporate headquarters remains in Orlando, and they have 13 offices throughout Florida and Louisiana.

In 2002, the Company merged with Tetra Tech Inc., national infrastructure, and environmental engineering company, and is a wholly owned subsidiary of that firm. Ardaman maintains the level of integrity and technical excellence that has become synonymous with the company's name. Ardaman employs a staff of nearly 400 professional engineers, scientists, technicians, drilling personnel, technical assistants, and support staff.

They firmly believe that the growth and reputation of their company are the direct results of the individual efforts and commitment of all their employees. Their future success depends on continuing this commitment to safety, technical excellence, and professionalism.

Ardaman offers a broad range of professional engineering services, including geotechnical engineering, construction materials testing and inspection, hydrogeology and surface water hydrology, soil/groundwater contamination assessments/remediation, building inspection, industrial waste engineering, and facilities engineering.

**Aspireon Consulting Group, Inc.** is a client focused traffic engineering firm located in Oviedo, Florida. They pride themselves on delivering outstanding engineering work with the highest standards of responsiveness. Their projects include planning, design and construction. This range of experience results in cost effective and constructible solutions that can be funded and will work in the "real world." Their clients include public agencies, private developers and contractors.

Aspireon offers a broad range of professional engineering services, including traffic studies, traffic signal design, signal system retiming, ITS analysis and design, traffic counts, signing and pavement marking, traffic control plans, ADA compliance, and FDOT pushbutton projects.

**Halff Associates, Inc.**, founded in 1950, is an employee-owned full-service engineering and architecture firm headquartered in Richardson, Texas. The firm provides services throughout the Southwest and Southeast from 26 offices in Texas, Oklahoma, Louisiana, and Florida. The firm's staff of 1,000 includes engineers, architects, planners, scientists, and surveyors.

John McGlohorn is a Licensed Professional Surveyor and Mapper with 33 years of experience in all areas of survey work who will lead the Halff team. Mr. McGlohorn possesses a wide range of survey experience – from field surveys to CAD drawings to supervising field crews. John brings a high level of professionalism to all his projects, and is proficient and diligent in his quality control, computations, and conversions, to ensure that the highest of standards are met.

Services provided by Halff include: surveying, transportation, architecture, construction services, environmental, geographic information systems, intelligent transportation systems, land and site development, mechanical/electrical/plumbing engineering, oil and gas, planning and landscape architecture, right of way acquisition, software development, structural engineering, subsurface utility engineering/utility coordination, visualization, water resources, and water/wastewater.

**Precise Locating Group, Inc.** has over 30 years of experience in locating, digging, and repairing lines. Tom Wilson, the founder, will be leading the the team, and has gained a reputation for being one of the most reliable locator/installers in the Central Florida area. Precise provides locating services for water, sewer, phone, power, cable, gas and fiber optic lines.

**Peggy Malone & Associates, Inc.** has been conducting traffic counts throughout the Southeastern & Mid-Atlantic area for over twenty years. They have been a prime consultant or a subconsultant for 2,008 projects the past five years. These projects range from small jobs with just a few tasks to large jobs with over 250 Turning Movements or projects with over 1,900 hose counts. They usually serve as a subconsultant to full-service engineering firms on FDOT agency projects, as well as private sector projects that require traffic data collection.

Peggy Malone & Associates, Inc. has conducted literally tens of thousands of ADT counts, from 24-hour to multiple-week periods all across the Southeastern & Mid-Atlantic regions. They perform classification counts, speed counts, turning movement counts, spot speed studies, intersection delay studies, origin-destination studies, vehicle occupancy studies, travel time studies, and other miscellaneous traffic surveys. Peggy Malone & Associates staff is trained to draw condition diagrams, perform signal timings, and supply digital photos as well. All data collection efforts follow the specifications in the MUTS.

**Protean Design Group, Inc.** was established in 1997, and is a multi-disciplined civil engineering firm committed to attentive client service, quality engineering, and a strong work ethic. Their versatile staff have expertise in a wide variety of transportation engineering services, including major and minor roadway design, limited access facilities and interchanges, maintenance of traffic plans, bicycle and pedestrian features, drainage conveyance, structural design, signing, pavement markings, signalization, lighting services for roadway and interstates, intelligent transportation systems (ITS), traffic studies, transportation planning services, utility coordination services, and public involvement. Protean Design Group is a certified disadvantaged business enterprise (DBE) with the FDOT.

