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TAB 4

SUBCONTRACTORS

SUBCONSULTANTS

Role	Company Name	Address	Individual's Name Assigned	Projected % of Overall Work	Worked with Prime before (YES/NO)	Individual Worked with Prime before (YES/NO)
Structural Engineer	TLC Engineering Solutions	7370 Cabot Court, Melbourne, FL 32940	Gary Krueger, PE, LEED AP BD+C, GGP	TBD	Yes	Yes
Electrical Engineer	TLC Engineering Solutions	7370 Cabot Court, Melbourne, FL 32940	Moncef Hadiji, PE, RCDD, LEED AP BD+C	TBD	Yes	Yes
Mechanical Engineer	TLC Engineering Solutions	7370 Cabot Court, Melbourne, FL 32940	Jim Mullen, PE, CxA, LEED AP	TBD	Yes	Yes
Telecomm + A/V + Security	TLC Engineering Solutions	7370 Cabot Court, Melbourne, FL 32940	Bill Nance, RCDD, OSP	TBD	Yes	Yes
Mechanical Engineer - Energy	TLC Engineering Solutions	7370 Cabot Court, Melbourne, FL 32940	Mike Angell, PE, GGP, GPCP	TBD	Yes	Yes
Civil Engineer	Wood Environment & Infrastructure Solutions, Inc.	5015 South Florida Avenue, Suite 301, Lakeland, FL 33813	David Butcher, PE, LEED AP	TBD	Yes	Yes
Civil Engineer	Wood Environment & Infrastructure Solutions, Inc.	5015 South Florida Avenue, Suite 301, Lakeland, FL 33813	Timothy J. Kelly, PE, CPSWQ, CPESC	TBD	Yes	Yes
Environmental	Wood Environment & Infrastructure Solutions, Inc.	1101 Channelside Drive, Suite 200, Tampa, FL 33602	Kevin Shelton, PWS, CERP	TBD	Yes	Yes
Environmental	Wood Environment & Infrastructure Solutions, Inc.	5015 South Florida Avenue, Suite 301, Lakeland, FL 33813	Aziza R. Baan, GISP	TBD	Yes	Yes
Geotechnical Engineer	Wood Environment & Infrastructure Solutions, Inc.	1101 Channelside Drive, Suite 200, Tampa, FL 33602	Glen R. Andersen, SC, PE	TBD	Yes	Yes
Survey	Wood Environment & Infrastructure Solutions, Inc.	550 Northlake Boulevard, Suite 1000, Altamonte Springs, FL 32701	Charles B. Gardiner, PLS, CFedS	TBD	Yes	Yes
Landscape Architecture	Sustainable Design & Consulting	4817 Palm Tree, Windermere, FL 34786	Edward Crowley, RLA, LEED AP, FWS-AP	TBD	Yes	Yes
Chief Cost Estimator	Cost Management, Inc.	1588 Terra Mango Loop, Orlando, FL 32835	Ganesh Jiawon, CGC	TBD	Yes	Yes
Senior Estimator	Cost Management, Inc.	1588 Terra Mango Loop, Orlando, FL 32835	Vidisha Persad	TBD	Yes	Yes

As indicated by our organizational chart, Straughn Trout Architects has engaged the following trusted subconsultants to be part of our project team:



- Structural Engineering
- MEP/FP Engineering
- Telecomm + A/V + Security Design
- Energy Efficiency



- Civil Engineering
- Geotechnical Engineering
- Environmental Engineering
- Survey / GIS



- Landscape Architecture



- Cost Estimating

The professionals from each of these entities represent an array of public and local government experience, including for Lake County. The subconsultant team also includes the required LEED AP Mechanical and LEED AP Electrical engineers required for this project. **Straughn Trout Architects has completed several projects with the consultants included on our team for the new Supervisor of Elections Building, including major new construction projects such as the Northeast Government Center for Polk County and the St. Johns River Water Management District in Apopka. Our design team represents trusted partnerships, which have led to an ongoing series of successful project outcomes for our clients.** These existing relationships between our design team members and our firms will prove to be of significant value to Lake County in the Supervisor of Elections Building Design process.





At **TLC Engineering Solutions, Inc.** we are continuously learning and growing. Our vision to **THINK** boldly, **LISTEN** attentively, and **CREATE** passionately serves as the blueprint that guides our commitment of extreme service to our clients. TLC Engineering Solutions provides high-performance engineering design and consulting. Founded in 1955 and consistently ranked among the largest MEP and structural engineering firms in the country, we are an industry leader with expertise in diverse markets, from healthcare to education to aviation.

TLC has eight offices across Florida as well as offices in Nashville, Tennessee; New Orleans, Louisiana; Dallas, Texas; Philadelphia, Pennsylvania; Atlanta, Georgia; Chicago, Illinois; Milwaukee, Wisconsin; and Charlotte, North Carolina. Our highly qualified team of 400+ professionals include professional engineers, LEED- accredited professionals and ACG-registered commissioning authorities, coupled with specialists in acoustics and technology. TLC also provides services focused on the design and operation of sustainable, energy-efficient buildings, including energy audits, energy modeling, commissioning, net operating income improvements, Life Cycle Cost Analysis, and Energy/Water Conservation Methods and Strategies. We provide comprehensive services that allow clients to collaborate with a dedicated team from start to finish.

LEED – TLC's commitment to sustainability has made us a leader in green building design and is supported by successful certifications – from the first LEED-certified project in Florida in 2003 to our current 470+ LEED Certified projects (80+ million square feet of sustainable space) - 12 Platinum, 158 Gold, 184 Silver and 1,012 Certified). We have also earned certification from the Florida Green Building Coalition, Green Building Initiative, and the International Living Future Institute.

PRODUCTION TOOLS – TLC has always been ahead of technology and cutting-edge advances in our industry. TLC's design and production tools include Revit MEP and Structural, AutoCAD, and IES VE Pro for energy modeling and design analysis. We employ BIM360 and virtual machines to seamlessly integrate production needs throughout our firm and ability to work from anywhere. TLC utilizes Citrix ShareFile, a cloud-based technology system, for sharing large documents, between TLC, owners, architects, and contractors.

LAKE COUNTY / LOCAL GOVERNMENT EXPERIENCE: TLC brings 65 years of experience in local government projects for counties and municipalities throughout Florida. Over the past 10 years, we have designed over 300 projects including new construction and renovations for city halls, government centers, judicial buildings, correctional facilities, police/sheriff stations, fire stations, emergency operations centers, public works facilities, and vehicle fleet maintenance buildings. TLC has held several MEP On-Call Service Contracts with Lake County including our current contract. We have completed the following projects under these contracts:

- Converting Warehouse to Archive Storage
- Sorrento Park Site Lighting
- Cagan's Crossing Library
- Expo Hall Ventilation Assessment
- Horticulture Solar Study
- Horticulture Learning Center PV Power
- Fire Stations 112 and 110
- Baysinger Library
- Lake County CEP Study
- Submeters for Three Lake County Buildings
- EECBG Administration Building Lighting Design
- EECBG CEP DW Heating Study
- E M Building Assessment O'Brien Road
- Sheriff's Office Substation Ventilation
- Probation Facility HVAC Study
- Domestic Water Heating Jail CEP Study
- O'Brien Road Facility HVAC Study
- Animal Control HVAC
- Jail CEP Domestic Water Heater
- Probation Facility HVAC System
- CCTV Assessment of Multiple Facilities
- Detention Center Piping System Replacement
- Judicial Center 3rd Floor Renovation
- Scott Park Lighting
- Mt. Plymouth Park Lighting
- Courthouse 3rd Floor Electrical Upgrades
- Fire Station 71
- Trailhead Park Electrical Services

This experience combined with 140+ projects for municipalities and private entities located in Lake County gives us extensive experience in working with the County Facilities Division, SWFWMD, and FDEP. TLC has also worked on several projects with STA, including the Northeast Government Center, the St. Johns River Water Management District Apopka Service Center, the AdventHealth Fieldhouse & Conference Center, the Polk County Board of County Commissioners Parking Garage, the RP Funding Center Renovations, and multiple Essential Facility Hardening Analyses.

GARY C. KRUEGER, PE, LEED AP BD+C, CM, GGP

Senior Structural Engineer

BACKGROUND

Gary Krueger is a Vice President of TLC and serves as Principal / Division Director of TLC's Melbourne office. Gary is among TLC's most senior and experienced structural engineers with expertise in structural analysis and design, 3-D computer modeling, structural system evaluation, and building and threshold inspections. Gary focuses on providing up-to-date, code compliant and sustainable design solutions for new and renovation projects specifically for local, state, and Federal governments. With 39 years of experience, Gary brings a wide array of structural design expertise and is particularly well versed in addressing salt corrosion, excessive humidity conditions, and wind loads requirements. Gary also holds a Florida Special Inspectors license and is a certified manager as recognized by the Institute of Certified Professional Managers.

EXPERIENCE

Polk County Northeast Government Center, Lake Alfred, Florida

New administration building includes tax collector's office, Supervisor of Elections, property appraiser, Clerk of Courts, courtrooms, judiciary offices, State Attorney's office, and conference rooms. \$20 million / 70,000 sf

Toho Water Authority Administrative Complex, Kissimmee, Florida

Four-story administrative complex includes an integrated hardened emergency operations center to oversee District Water resources during emergency events. *Certified LEED NC 2.2 Gold*. \$11.7 million / 55,000 sf

Palm Beach Gardens Emergency Operations Communications Center, Palm Beach Gardens, Florida

New one-story emergency operations communications center designed to FEMA Standards including enhanced windstorm protection (205 mph-3 second gust). *Certified LEED NC 2.2 Silver*. \$3.5 million / 17,000 sf

Brevard County Emergency Operations Center, Rockledge, Florida

New two-story hurricane hardened facility houses 911 intake, call center, Emergency Operations Center, and multiple agency (Sheriff and Fire) training, conference rooms, and admin offices. \$14 million / 40,000 sf

Tavares Solid Wastewater and Public Works Operations Facility, Tavares, Florida

Multiple facilities include 9,000-sf Administration Building, 25,000-sf Fleet Maintenance, 7,200-sf Physical Environmental Services w/3,500-sf storage, and 10,600-sf Public Works storage facility. \$4 million / 55,300 sf

Gainesville Police Department Headquarters, Gainesville, Florida

New two-story building adjacent to a renovated 9,000-sf training center. Facility includes a sally port, holding cells, multiple meeting/briefing rooms, break room, gymnasium, and administrative spaces, and required extensive security measures. Facility is hurricane hardened with redundant systems. *Certified LEED NC 2009 Silver*. \$11.6 million / 67,800 sf



EDUCATION

Michigan State University
M.S., Structural Engineering, 1983
Michigan State University
B.S., Civil Engineering, 1982

YEARS OF EXPERIENCE

TLC: 33 years
Prior: 6 years

REGISTRATIONS

PE FL 40788
SPEC INSP FL 1069

CERTIFICATIONS

Green Globes Professional (GGP), GBI
LEED AP BD+C, GBCI
Certified Manager, ICPM

LAKE COUNTY PROJECTS

- Lake County Fire Station 71
 - Lake County Water Authority Office Building
 - Lake County Cagan's Crossing Library
 - Lake County Convert Warehouse to Archive Storage
-

MONCEF HADIJI, PE, RCDD, LEED AP BD+C, GGP

Senior Electrical Engineer

BACKGROUND

Moncef serves as a Principal at TLC and Senior Electrical Engineer responsible for coordinating and implementing electrical and telecommunication system design in concert with other design disciplines, supervising the electrical design team, as well as Quality Control and Quality Assurance. Moncef has over 31 years of experience designing specialty lighting, power distribution systems, emergency generators, uninterrupted power supplies, automatic transfer switches, lightning suppression, surge arresters, and communications-technology systems for fire alarm, paging and public address, voice-data, audio-visual, and security/access controls. As a LEED Accredited Professional, Moncef is familiar with sustainable design and its high impact on energy efficiency.

EXPERIENCE

Polk County Northeast Government Center, Lake Alfred, Florida

New administration building consolidates multiple government services into one location. Facilities include tax collector's office, Supervisor of Elections, property appraiser, Clerk of Courts, courtrooms, judiciary offices, State Attorney's office, and conference rooms. \$20 million / 70,000 sf

Brevard County Emergency Operations Center, Rockledge, Florida

New two-story hurricane hardened facility houses 911 intake, call center, Emergency Operations Center, and multiple agency (Sheriff and Fire) training, conference rooms, and admin offices. \$14 million / 40,000 sf

Gainesville Police Department Headquarters, Gainesville, Florida

New two-story building adjacent to a renovated 9,000-sf training center. Facility includes a sally port, holding cells, multiple meeting/briefing rooms, break room, gymnasium, and administrative spaces, and required extensive security measures. Facility is hurricane hardened with redundant systems. *Certified LEED NC 2009 Silver.* \$11.6 million / 67,800 sf

Volusia County Court Central Warehouse, Daytona Beach, Florida

New warehouse facility designed to provide secure, climate-controlled storage for court records, security sensitive records, and equipment. Integrated communication, and security systems to maintain a 24-hour operation during an emergency event. \$3.4 million / 16,000 sf

Palm Beach County Courthouse / State Attorney / Public Defender Complex Security System Renewal, West Palm Beach, Florida

Design upgrades to electronics, security, life safety systems, and critical communications infrastructure, including an expansion of the command center. \$14 million / 950,700 sf

City of Coconut Creek Public Works Building, Coconut Creek, Florida

New two-story administration building includes EOC, Dispatch, 911 Call Center and emergency response administrative spaces. N+1 systems, standby power for the building and sustainable design elements. *Certified LEED NC 2009 Silver.* \$7 million / 22,000 sf



EDUCATION

Wichita State University
M.S., Electrical Engineering, 1988
Wichita State University
B.S., Electrical Engineering, 1986

YEARS OF EXPERIENCE

TLC: 15 years
Prior: 16 years

REGISTRATIONS

PE FL 48022

CERTIFICATIONS

GGP, Green Building Initiative
LEED AP BD+C, GBCI
Registered Communications
Distribution Designer (RCDD), BICSI

LAKE COUNTY PROJECTS

- Lake County Administration Building
 - Lake County CCTV Multiple Facilities
 - Lake County Horticulture Learning Center PV
 - Lake County Submeters for Three Buildings
 - Lake County Jail CEP Domestic Water Heater
 - Lake County Judicial Center 3rd Floor Renovation
 - Lake County Scott Park Lighting
-

JIM C. MULLEN, PE, CxA, LEED AP

Mechanical Engineer | HVAC / Plumbing / Fire Protection

BACKGROUND

Jim is an experienced project manager and mechanical engineer with a strong reputation for focusing on client service and mechanical design proficiency in HVAC, plumbing, and fire protection design. Jim is well versed in design analysis, code study, load calculations, as well as performing energy analysis, identifying energy savings, and presenting design alternatives to the customer. Jim has in-depth knowledge of chilled water systems (air-cooled and water-cooled chillers), ice storage systems, water source heat pumps, variable speed pumping systems, primary and secondary pumping systems, variable air volume systems, and direct digital controls. He is experienced in the evaluation of existing mechanical systems and equipment for upgrade or replacement to achieve a maximum use with a reduction of energy.

EXPERIENCE

Deland Utilities Administration Facility, DeLand, Florida

New administration facility with office space, support spaces, and Operations Control Center designed as a critical (hardened) facility with a backup generator. \$7 million / 22,000 sf

Lake County Fire Station 71, Leesburg, Florida

New building design focuses on expansion to accommodate 24-hour personnel assignments and hurricane hardening. \$1.7 million

Brevard County Emergency Operations Center, Rockledge, Florida

New two-story hurricane hardened facility houses 911 intake, call center, Emergency Operations Center, and multiple agency (Sheriff and Fire) training, conference rooms and admin offices. \$14 million / 40,000 sf

Volusia County Court Services Warehouse, Daytona Beach, Florida

New pre-engineered metal warehouse facility is designed to provide secure, climate-controlled storage for court records, security sensitive records, and equipment. Design required integrating MEP, fire alarm, communication, and security systems to maintain a 24-hour operation during an emergency event. \$3.4 million / 16,000 sf

Cocoa Beach Police Station, Cocoa Beach, Florida

New three-story design-build police headquarters includes a community /multipurpose room for community/public meetings, sally port, booking and intake areas, records patrol operations, evidence storage area, physical agility room, and private offices. \$23 million / 27,000 sf

Gainesville Police Department Headquarters, Gainesville, Florida

Delivered through design-build, the new two-story building is adjacent to a renovated 9,000-sf training center. Facility includes a sally port, holding cells, multiple meeting/briefing rooms, break room, gymnasium, and administrative spaces, and required extensive security measures. Facility is hurricane hardened with redundant systems. Certified LEED NC 2009 Silver. \$11.6 million / 67,800 sf



EDUCATION

University of Central Florida
B.S., Mechanical Engineering
1991

YEARS OF EXPERIENCE

TLC: 21 years
Prior: 3 years

REGISTRATIONS

PE FL 60195

CERTIFICATIONS

LEED AP, GBCI
Certified Commissioning Authority (CxA), ACG

LAKE COUNTY PROJECTS

- Lake County Fire Station 71
 - Lake County Jail CEP Domestic Water Heater
 - Lake County Judicial Center 3rd Floor Renovation
 - Lake County Probation Facility HVAC System
 - Lake County Water Authority Office Building
-

BILL A. NANCE, RCDD, OSP

Electrical | Low Voltage – Voice-Data/Audio-Visual/Security

BACKGROUND

Bill Nance has over 24 years of experience in technology design, consulting, and project management. Specializing in communication technology, he holds the Registered Communications Distribution Designer (RCDD) credential and BICSI specialty credential of Outside Plant Designer (OSP). His project experience involves a range of client types designing Structured Cabling Systems, Data Networking, Voice Systems, Audio / Visual, Intrusion Detection, Access Control, and Surveillance systems. As OSP, Bill has the skills and experience to plan, develop, and oversee outside plant projects. He has an in-depth understanding of the necessary fiber cable storage, termination, and access equipment to ensure the infrastructure is installed properly to meet the requirements for the facility's communication needs. Bill works closely with the design team, manufacturers, and installers to deliver on client expectations and provide high-quality results through his technical knowledge and leadership.

EXPERIENCE

Polk County Northeast Government Center, Lake Alfred, Florida

New administration building consolidates multiple government services into one location. Facilities include tax collector's office, Supervisor of Elections, property appraiser, Clerk of Courts, courtrooms, judiciary offices, State Attorney's office, and conference rooms. \$20 million / 70,000 sf

Lake County Fire Station 71, Leesburg, Florida

Replacement fire station relocated from a neighborhood to the main road to allow for better response. New building design focuses on expansion to accommodate 24-hour personnel assignments and hurricane hardening. \$1.7 million

Royal Palm Beach Village Hall, Royal Palm Beach, Florida

New 2-story facilities include council chambers, private offices for planning and zoning, community development, and human resources department. \$5 million / 19,000 sf

Brevard County Emergency Operations Center, Rockledge, Florida

New two-story hurricane hardened facility houses 911 intake, call center, Emergency Operations Center, and multiple agency (Sheriff and Fire) training, conference rooms and admin offices. \$14 million / 40,000 sf

Cocoa Beach Police Station, Cocoa Beach, Florida

New three-story design-build police headquarters is designed to support growth through 2039. Facility includes a community/multipurpose room, sally port, records patrol operations, evidence storage area, physical agility room, private offices, and open workstation areas. \$23 million / 27,000 sf

St. John's River WMD Apopka Service Center, Apopka, Florida

New administrative office building with private offices, multiple workstation areas, breakroom, small meeting rooms, large collaboration conference room with flexible wall to divide space, storage room for field equipment, showers/ lockers, and IT room. \$6.5 million / 17,159 sf



EDUCATION

Marion Technical College
A.S., Electrical and Electronics
Engineering
1996

YEARS OF EXPERIENCE

TLC: 3 years
Prior: 21 years

CERTIFICATIONS

Registered Communications
Distribution Designer (RCDD), BICSI
Outside Plant Designer (OSP),
BICSI

PROFESSIONAL AFFILIATIONS

Illuminating Engineering
Society, Member

Building Industry Consulting Service
International, Member

LAKE COUNTY PROJECTS

- Lake County Fire Station 71
 - Lake County Scott Park Lighting
 - Lake County Mt. Plymouth Park Lighting
 - Lake County Courthouse 3rd Floor Electrical Upgrades
 - Lake County Neighborhood Lakes Trailhead Park Electrical Services
-

MICHAEL E. ANGELL, PE, GPCP, GGP

Mechanical Engineer | Energy Modeling

BACKGROUND

Michael has worked for TLC since 2010, integrating Building Information Modeling and Whole Building Energy Simulation into the design process to produce high-performing buildings. He is experienced in both modeling and design work, with proficiencies in Autodesk REVIT, eQUEST, Pro/Engineer, Solid Works, MathLab, and IES Virtual Environment. Michael's expertise in REVIT and IES VE allow him to apply technical knowledge to sustainable building design including day light harvesting, advanced shading constructs, air flow analysis, HVAC and building controls, advanced HVAC system design and simulation, and envelope suitability analysis. He has led a wide array of LEED project certifications for local, state, and federal projects, and successful applications of 179d Energy Efficient Commercial Buildings Tax Deduction.

EXPERIENCE

Polk County Northeast Government Center, Lake Alfred, Florida

New administration building consolidates multiple government services into one location. Facilities include tax collector's office, Supervisor of Elections, property appraiser, Clerk of Courts, courtrooms, judiciary offices, State Attorney's office, and conference rooms. \$20 million / 70,000 sf

DeLand Fire Station 81 & Evidence Storage Building, DeLand, Florida

New fire station that includes private offices, sleeping quarters, training/fitness area, kitchen, and day room. Facilities include a 2,500-sf evidence storage building. Energy analysis was performed to meet Green Globes certification. \$5 million / 16,500 sf

Gainesville Police Department Headquarters, Gainesville, Florida

Delivered through design-build, the new two-story building is adjacent to a renovated 9,000-sf training center. Facility includes a sally port, holding cells, multiple meeting/briefing rooms, break room, gymnasium, and administrative spaces, and required extensive security measures. Facility is hurricane hardened with redundant systems. *Certified LEED NC 2009 Silver*. \$11.6 million / 67,800 sf

Melbourne Police Department Headquarters & Emergency Operations Center, Melbourne, Florida

Multi-phase project includes Space Needs Assessment to identify current and future needs for a new police facility building, design, and construction administration services. The new facility includes the City's emergency operations center. The building will be hurricane hardened with redundant systems. \$25 million / 75,000 sf

St. John's River Water Management District Apopka Service Center, Apopka, Florida

New administrative office building with private offices, multiple workstation areas, breakroom, small meeting rooms, large collaboration conference room with flexible wall to divide space, storage room for field equipment, showers/ lockers, and IT room. \$6.5 million / 17,159 sf



EDUCATION

University of Central Florida
B.S., Mechanical Engineering
2010

YEARS OF EXPERIENCE

TLC: 11 years
Total: 11 years

REGISTRATIONS

PE FL 83232

CERTIFICATIONS

Guiding Principles Compliance Professional (GPCP), Green Building Initiative
Green Globes Professional (GGP), Green Building Initiative

LAKE COUNTY EXPERIENCE

- DMA Leesburg Army National Guard
 - Florida State College Classroom Renovation
 - Lake Sumter State College South Lake Campus Health Partnership Building
 - Monteverde Academy Classroom Building
-



Executive Summary

In providing more than 60 years of service in Florida, Wood has substantial experience involving the timely delivery of comprehensive science and engineering services to various Florida counties and municipalities, including Lake County.

With annual revenues of around \$10 billion, Wood designs, delivers, and maintains strategic and complex assets for its customers across the global energy and related sectors. The company employs around 40,000 people in more than 60 countries worldwide, working seamlessly together provide a one-stop consulting environment that is unique in addressing our clients' needs. Our core services include

Wood is committed to making a positive impact and serving our local communities. Wood has provided similar high-quality on-call civil engineering, survey and mapping, geotechnical engineering, and environmental services to many Florida County and municipal clients for more than 60 years, and as a result, we understand the issues that currently affect local government. Our vast local experience provides a value-added component to our services.

As a firm with a large local presence, our Florida operation employs more than 300 full-time staff members in offices located in every region of the state. Lake County is a valued client with whom we have a great relationship. **Our staff has worked for Lake County for more than 15 years and has completed hundreds of similar projects for the County, various municipalities, the water management districts, and private sector clients.** We have had the pleasure of working with the County over the years on numerous successful projects, including National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) permit compliance, Basin Management Action Plan (BMAP) compliance, stormwater retrofit design, flood studies, capital improvement project implementation, and flood control project design and implementation. Wood also continues to provide asbestos and indoor air quality (IAQ) consulting services to various County departments. We understand the importance of providing high quality work products on time and within budget.

Wood is also proud to have a strong working relationship Straughn Trout Architects (STA), completing various projects as an engineering consultant since 2015. As part of the STA team, Wood has provided surveying, geotechnical engineering, civil design, permitting, technical specifications, and construction inspection services on a number of local County and municipal projects.

Given our proven performance with Lake County and STA, our high level of expertise with the requested services, and our extensive local staff, we are very interested in joining STA in bringing the best overall value and quality to Lake County for the successful execution of assignments under this contract.

David Butcher, PE, LEED AP

Civil Engineering



Qualifications

Years of Experience

27 (18 with Wood)

Education

Bachelor of Science, Civil Engineering, University of South Florida, 1995

Registrations / Certifications / Licenses

Professional Engineer, Florida No. 55431

Professional Engineer, Idaho No. 17134

LEED Accredited Professional

Professional Associations

American Society of Civil Engineers

Chi Epsilon National Civil Engineering Honor Society

Florida Redevelopment Agency

American Water Works Association

American Public Works Association

U.S. Green Building Council

Professional Summary

Mr. David Butcher is a Senior Civil Project Manager with 27 years of experience. He serves as a lead project engineer on many large-scale and multi-disciplinary public and private projects dealing with all aspects of civil engineering, including water resources, stream restoration, dam removal, general civil, roadway design, recreational trail and park design, potable water and sanitary sewer design, lift station designs, bridge scour analysis, bridge hydraulic reports, and permitting with multiple agencies throughout Florida. In addition, Mr. Butcher excels at assisting our clients with public meetings and project education to both permitting agencies and constituents. He received the Community Award for Excellence by the Hillsborough County Planning Department and his award-winning design work has been recognized for its excellence and contribution to community rehabilitation.

Experience

Project Engineer

Lake County Public Works, Master Water Resource Consultant, Lake County, Florida

This project required an innovative approach to stormwater master planning. Rather than spending a lot of time conducting studies, the Wood team was able to minimize study steps and accomplish rapid drainage sub-basin prioritization based on a streamlined pollutant loading assessment method. Outfalls were photographed and located with handheld GPS units. Pollutant loads were computed based on land use information from GIS. A spreadsheet model using the Simple Method Field reconnaissance was efficiently and cost-effectively implemented to allow for adjustments in sub-basin drainage divide delineations, quantification of probable runoff volume and quality, as well as intensity of land use and directly connected impervious area considerations.

Civil Design Engineer of Record

Straughn Trout Architects, Chain of Lakes Fieldhouse, Winter Haven, Florida

The City of Winter Haven hired Straughn Trout Architects (STA) to design and permit a new 86,000-square-foot, two-story fieldhouse as an expansion to the existing Chain of Lakes building. As part of the STA team, Wood provided surveying, geotechnical engineering, civil design, permitting, technical specifications, and construction inspection services for the development of 12.9 acres on the 68.8-acre site. The site development included 529 parking spaces, 1,700 linear feet of new water main for both fire and potable water service, 320 linear feet of new gravity sewer, the relocation of 1,265 linear feet sanitary sewer forcemain, and a stormwater management system that included 3,775 linear feet of pipe and three detention ponds for stormwater treatment and attenuation. Other project responsibilities included the design

David Butcher, PE, LEED AP

Civil Engineering



of a new entrance to the site from U.S. 17, the addition of left and right turn lanes to U.S. 17 at the new intersection, and modification to the existing entrance to the site off SR 540. Wood was also responsible for obtaining permits from FDOT, SWFWMD, FDEP, the Florida Health Department, and the City of Winter Haven. This project was awarded the Florida Engineering Society Ridge Chapter 2019 Project of the Year.

Project Manager

City of Plant City, Master Engineering Services, Plant City, Florida

Wood has provided comprehensive engineering services to the City of Plant City since 2004. Services provided to date include roadway design, street scape projects, water main extensions, stormwater management system retrofit, street lighting design, canal stabilization, permitting, and construction management assistance.

Project Engineer/Quality Assurance

Polk County Utilities Division, Continuing Services Contract, Polk County, Florida

Involved with utility system design and rehabilitation projects throughout Polk County. Completed several water main projects including the Polk County Utilities and Haines City Water Main Interconnect, Lily Lake Water and Wastewater Transmission System Design, Waverly Water Transmission System Design, Frostproof Water Main Extension, U.S. 27 Water System Improvements, S.R. 540 Water Main Extension, Moore Road Water Main Extension, and Pine Glen Subdivision Water Service Retrofit.

Project Manager

Citrus County, Master Engineering Services, Citrus County, Florida

Wood has provided comprehensive, as-needed engineering support to the County for more than 10 years. Services to date have included wetland delineation; permitting and agency coordination with SWFWMD and FDOT; pavement design; utilities coordination; construction materials testing; geotechnical investigations; bid documents and technical specifications; and construction management assistance.

Project Manager/Quality Assurance

Sumter County, General Engineering Services, Sumter County, Florida

Oversees comprehensive as-needed engineering support. Wood has provided design and engineering plans for widening and resurfacing projects and conducted stormwater studies and stormwater needs assessments for the County. Projects to date include the stormwater summary report, stormwater needs assessment, CR 673 roadway improvements, and CR 209 roadway improvements.

Senior Project Manager

City of Clermont, Engineering Services, Clermont, Florida

Provided ecological, environmental, geotechnical, survey, utility, roadway, and stormwater engineering services for various capital improvement projects located in the City of Clermont. Services included a full range of design, permitting, and construction support.

Project Engineer

Hillsborough County, Stormwater and Environmental Engineering Services, Hillsborough County, Florida,

Provided stormwater and public works engineering services for various capital improvement projects located throughout Hillsborough County. Projects are in various stages of completion from preliminary design and evaluation (PD&E) through design, permitting, and construction.

Timothy J. Kelly, PE, CPSWQ, CPESC

Civil Engineering



Qualifications

Years of Experience

35 (31 with Wood)

Education

Bachelor of Science Engineering (Agricultural Engineering), University of Florida, 1984

Classes taken for M.S.C.E.

Registrations / Certifications / Licenses

Professional Engineer, Florida No. 44721

Professional Engineer, Alabama No. 32848-E

Certified Professional in Stormwater Quality No. 0338

Certified Professional in Sediment and Erosion Control, CPESC No. 6267#2

FDEP Certified Storm Water Management Inspector No. 104

Professional Associations

Florida Stormwater Association

Professional Summary

Mr. Timothy Kelly is a certified Professional Engineer with 35 years of experience spanning the realm of civil and stormwater engineering design representing city, municipal, private, county, and state clients. Mr. Kelly previously served as a stormwater regulatory reviewer where he permitted, inspected, and evaluated the performance of stormwater BMPs. His experience with capital improvement, redevelopment, and infill development projects includes all aspects of civil design including roadway and pedestrian transportation improvements, potable water distribution, wastewater collection and transmission, and utility conflict management. Many of the public works projects Mr. Kelly has managed have required interaction with the public including public meeting participation. Mr. Kelly has been responsible for the preparation of the exhibits and presenting the information to the public at many of these meetings. He has developed an effective way of turning technical jargon into terms the general public understand.

Experience

Project Manager

Lake County, Stormwater Consultant, Lake County, Florida

Provided as-needed NPDES, TMDL, and stormwater management assistance of the County's program. Past task assignments have included annual report preparation. Provided technical support to the County during the annual FDEP audit of County permit documentation. Evaluated and secured the nutrient pollutant load reductions from paving dirt roads within the Wekiva River Basin. Oversaw stormwater monitoring efforts of a County stormwater facility in support of FDEP 319 funding.

Project Manager

Lake County, Dead River Stormwater Monitoring Project, Tavares, Florida

Managed water quality monitoring plan development and implementation to assess load reductions for a stormwater retrofit project completed by Lake County through an FDEP 319 grant. Telemetry was used to maximize the effectiveness of monitoring effects, reducing labor costs, and therefore, fees for the project.

Project Manager

Lake County Public Works, Lake Griffin Stormwater Retrofits, Leesburg, Florida

Oversaw pollutant load analysis, BMP conceptualization, design, permitting, and plans preparation for stormwater retrofit projects. All projects were in urbanized areas with limited space for BMP construction. Aesthetics preservation and load reduction performance were achieved in all designs.

Timothy J. Kelly, PE, CPSWQ, CPESC

Civil Engineering



Special design components included a trash screen to minimize solids from entering the system and impacting the performance. Enhanced sediment sumps and/or baffle boxes were designed to provide pre-treatment of stormwater prior to entry into the french drain systems. Approximately six projects to date have been advanced through final design, permitting, and construction management services.

Senior Engineer/Project Manager

Seminole County, NPDES Consultant, Seminole County, Florida

Provided as-needed NPDES assistance of the County's program. Past task assignments have included stormwater facility inspections, outfall dry weather field screening, outfall inspections, and annual report preparation. Provided stormwater retrofit concepts to increase pollutant load reduction performance of the inspected stormwater facilities. For Wood's most recent assignment, served on project team to evaluate the use of soil amendments under retention BMPs to help the County meet nitrogen limits for the Wekiva River TMDL.

Project Manager

Florida Department of Transportation District 7, Districtwide NPDES Consultant, Florida

Provided comprehensive management assistance of the NPDES program in five Florida counties. Performs program management of stormwater facility inspections, old stormwater BMP retrofits for water quality optimization, and NPDES database compliance information entry. Provided trainings to FDOT personnel concerning erosion and sediment control and IDDE. Assists with annual report preparation, TMDL prioritization efforts, and overall MS4 program compliance. Developed the District's Standard Operating Procedures for compliance with the Cycle 3 MS4 permit. Oversees select water quality sampling efforts performed by Wood in support of the District's TMDL Prioritization Plan. Oversees the development of Supplemental Stormwater Management Plans. Participates in statewide NPDES conference calls to help ensure District consistency with Department NPDES policy and effective SAMS implementation. Complete Statement of Inspection for Proper Operation and Maintenance forms and submit them to the regulatory agencies. Also designs SMF retrofits for enhanced water quality treatment.

Project Manager

Hillsborough County, Stormwater and Environmental Engineering Services, Hillsborough County, Florida

Provided stormwater and public works engineering services for various capital improvement projects located throughout Hillsborough County. All projects are infill and/or redevelopment in nature and utility conflict management has been required on all jobs. Projects are in various stages of completion from PD&E through design, permitting, and construction. Projects are designed in accordance with FDOT and Hillsborough County standards and specifications.

Project Manager

Martin County, NPDES MS4 Program Implementation, Martin County, Florida

Martin County hired Wood to assist the County with program management of its National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) program. Martin County is a Phase 2 MS4 and is currently implementing its Cycle 4 permit. Program management includes assisting County management to ensure that the six minimum control measures are implemented in accordance with the Notice of Intent negotiated by the County with the Florida Department of Environmental Protection (FDEP). Wood has also been tasked with review of the County's current municipal codes regarding illicit discharge detection and elimination (IDDE) and enforcement of water quality violations within the County. Wood coordinates with County staff to make sure stormwater-related information is input into the County's NPDES database in a timely manner for permit compliance. Wood also generates a download of the annual report information for review and completeness prior to submittal to Martin County for submittal to FDEP. Oversees various aspects of the project and responsible for final deliverables to the County.

Kevin Shelton, PWS, CERP

Environmental



Qualifications

Years of Experience

32 (10 with Wood)

Education

Bachelor of Science,
Environmental Science and
Policy, 2015

Registrations / Certifications / Licenses

Professional Wetland Scientist,
No. 2814

Certified Ecological Restoration
Practitioner

Licensed Captain 50 Gross Ton
Master

Certified Pesticide Applicator
with Natural Areas and
Aquatics Specialties No.
CM22470

PADI Divemaster

FDEP Lake Vegetation Index

Professional Associations

Society of Wetland Scientists

Society for Ecological
Restoration International

Florida Association of
Environmental Professionals

Tampa Bay Association of
Environmental

American Association of Zoo
Keepers

Tampa Bay Estuary Program
Manatee Awareness Coalition

National Military Fish and
Wildlife Association

Tampa Bay Regional Planning
Council Agency on Bay

Professional Summary

Mr. Kevin Shelton has more than 30 years of ecological experience with a focus on state and federal regulatory permitting requirements. He has created master plans for mitigation and restoration of large tracts of land and designed small and innovative on-site mitigation efforts. His work in incorporating public education and recreation in his mitigation and public interest designs has resulted in improved mitigation success as well as cost savings to his clients. Mr. Shelton has experience in wetland delineations including use of methods defined by 62-340, F.A.C. and USACE 1987 Manual and its regional supplements. He has conducted benthic surveys including seagrasses, benthic infauna, and corals. He has a wide variety of experience with wildlife surveys and monitoring including listed species such as crested caracara, Florida sand skink, shorebirds, and manatees. He is an FWC-approved primary observer for marine endangered species observations for explosive underwater demolitions and aerial surveys as well as an FWC-authorized Gopher Tortoise Agent. Additionally, Mr. Shelton has more than 16 years of experience with zoo and aquarium operation and design.

Mr. Shelton is very familiar with utility permitting projects. He has served as project manager on many miles of utility installations from small creek crossings to 30-mile pipelines for a variety of industries such as communications, electric, water, and natural gas. This work includes regulatory and proprietary permitting for dozens of underground and subaqueous utility installations with USACE, FDEP, WMDs, and special local districts. Installations included direct bury, trenching, and horizontal direction drilling ranging in length from 50 to more than 3,000 feet. He has coordinated with multiple utility entities to jointly permit and install their facilities resulting in significant costs savings for the clients, which required innovative approaches to permitting and close coordination with the regulatory agencies.

Experience

Project Scientist

Lake County Water Authority, Stormwater Culvert Replacement Survey, Lake County, Florida

Identified and marked seasonal high water line (SHWL) and normal pool (NP) levels for five individual wetlands in Lake County. Effort included 30 separate level determinations based on hydrologic indicators within the disturbed wetlands.

Project Scientist

City of Groveland, Groveland Park Skink Survey, Lake County, Florida

Conducted a threatened and endangered (T&E) species survey on the proposed 20-acre park site. Performed a full survey for the presence of Florida

Kevin Shelton, PWS, CERP

Environmental



sand skink (*Neoseps reynoldsi*) and blue tail mole skink (*Eumeces egregius lividus*) utilizing a coverboard survey of the entire site by placement of 800 2-by 2-foot coverboards monitored on a weekly basis for one month. Confirmed absence of skinks, saving City hundreds of thousands of dollars in mitigation costs.

Project Scientist

Roosevelt Creek Stormwater Facility Improvements, Pinellas County, Florida

Conducted wetland delineations and habitat evaluations in the proposed project area. Evaluated potential wildlife conflicts. Developed wetland restoration plans for a 68-acre site and assisted with stormwater designs to ensure appropriate hydrology. Provided preliminary permitting feasibility analysis and conducted pre-application meetings with regulatory agencies.

Project Scientist

Lake Audrey Stormwater Improvements, City of Groveland, Florida

Conducted a wetland delineation of lake and shoreline habitats in preparation for environmental permitting for proposed stormwater improvements. Performed a wetland delineation based on 62-340, F.A.C.

Project Scientist

PCA Facility Expansion, Packaging Corporation of America, Polk County, Florida

Conducted wetland delineation and evaluation, as well as an ecological survey on-site in preparation for environmental permitting for the proposed facility expansion. Performed a wetland delineation based on 62-340, F.A.C. Site was also surveyed for presence of T&E species involving literature searches, mapping, and on-site surveys. An environmental constraints report was delivered to client that included narrative, maps, figures, and photographs.

Project Scientist

Eagle Point Park Improvements Design and Permitting, Pasco County Facilities Management, Florida

Provided ecological evaluation, design and site layout, and permit application preparation for Eagle Point Park improvements. Park amenities included picnic shelters, ADA-compliant shell trails, fishing piers, kayak launch, compost restroom facility, signage, parking spaces including stormwater facilities, and playground structures. Performed wetland delineations, listed species surveys including bald eagle and wood stork nesting, and mitigation design. Prepared permit applications for SWFWMD, USACE, and Pasco County Site Development Review Board.

Project Manager

Nature's Classroom Facilities Upgrades and Expansion, Hillsborough Education Foundation, Hillsborough County, Florida

Provided construction administration for miscellaneous projects for Nature's Classroom facility upgrades and expansion. Primary projects included demolition of existing office and classroom buildings and construction of new office and a \$1 million multi-purpose event building. Coordinated with architects, engineers, contractors, school district, SWFWMD, and Nature's Classroom staff to address any comments/concerns and technical information. Administration duties included management of contractors and subconsultants, troubleshooting problems and present solutions, and preparing the certifications for all permits required for the projects.

Qualifications

Years of Experience

16 (15 with Wood)

Education

Post Baccalaureate GIS
Graduate Certificate, Penn
State University, 2012

Bachelor of Science,
Environmental Science, Florida
Institute of Technology, 2005

Registrations / Certifications / Licenses

Geographic Information
Systems Professional No.
43030

SCUBA (IANTD) Certification

Professional Associations

Polk GIS Users Group

Central Florida GIS Users
Group

Florida Urban and Regional
Information Systems
Association

Professional Summary

Ms. Aziza Baan serves as a GIS lead professional and geospatial data scientist who has more than 15 years of experience utilizing Geographic Information Systems (GIS) and environmental science in her work. Ms. Baan manages GIS tasks and is proficient in working with GIS in environmental, water resources, and civil disciplines. Using her strong science and GIS expertise, she specializes in stream and wetland restoration planning and design, watershed modeling, geospatial database design, floodplain mapping, mining reclamation land use planning and permitting, environmental risk assessments, environmental permitting, terrain processing, and spatial and volumetric analysis.

Experience

GIS Lead

Marina Del Rey Park Development, City of Groveland, Groveland, Florida

Responsible for GIS data collection, mapping, and analysis.

GIS Lead Analyst

Polk County, Wahneta Infrastructure Master Plan, Polk County, Florida

Developed mobile applications in ArcGIS Collector and Survey123 for field data collection. Maps and forms were used online as well as offline to collect and update data and take pictures. Roadway, signage, sidewalks, curb ramps, and drainage items were collected on the mobile apps to streamline and improve accuracy in the field data collection process. The geodatabase inventory linking pictures with the data was then transferred into desktop GIS for analysis and further assisted with recommendations for improvements within Wahneta. The study identified roadway, drainage, and pedestrian safety improvement projects to include in the County capital improvement project (CIP).

GIS Task Leader/Water Resources Scientist

Polk County, Water Quality Management Plans for Lake Lena, Eagle Lake, and Mud Lake, Polk County, Florida

Responsible for GIS data collection, mapping, and scientific and GIS analysis. Inventoried and geotagged existing structures around the lake into a geodatabase. Assisted in reviewing information and conducted analyses on water quality and other environmental data to develop an understanding of current and historic conditions. Helped in the evaluation of the internal and external nutrient loads to the lake and identified management activities that may improve lake quality. The project provided invaluable information for BMAP restoration efforts to improve water quality in these three lakes.

Aziza R. Baan, GISP

Environmental



GIS Analyst

Pinellas County, Lake Seminole Sediment Removal Design and Permitting, Pinellas County, Florida

Provided environmental resource permitting GIS services in support of the County's Lake Seminole Sediment Removal Project involving dredging of 1 million cubic yards of nutrient laden sediments, dewatering, and disposal. Assisted in data collection analysis and interpretation, environmental resource permitting, and mapping.

Environmental Scientist

Various Clients, Wetland Delineations and Ecological Evaluations, Florida

Conducted more than 25 ecological and wetland site evaluations in Central Florida. Investigated sites for endangered species and species of special concern, conducted ecological assessments, and delineated wetlands. Generated technical data reports and maps using GIS to represent the data collected.

GIS Lead

Charlotte Harbor National Estuary Program, Morgan Park Comprehensive Plan and Peace River Shoreline Restoration, Arcadia, Florida

Assisted in the development and mapping of a conceptual plan to improve water quality and native habitat, and to remove nuisance species from a 200+ acre in DeSoto County nature park along the Peace River.

GIS Lead/Water Resources Scientist

Alligator Creek Wetland Mitigation and Stream Restoration, Bradford County, Florida

Responsible for stream and wetland design and mapping. The project entails re-patterning portions of the canal by increasing the meandering and associated natural functions as well as create wetlands for mitigation credits, provide superior fish habitat, increase local flood detention volume, and trap sediments.

Senior GIS Specialist

Lake Tarpon and Brooker Creek Watershed Management Plans, Pinellas County, Florida

Wood is performing professional watershed management planning services for the Lake Tarpon and Brooker Creek watersheds in Pinellas County. Assisted in GIS analysis and mapping for watershed evaluation and characterization, hydrologic and hydraulic modeling, updating DEM and floodplain delineations.

GIS Lead/Data Scientist

Ridge Lakes Plan, Southwest Florida Water Management District, Florida

The Lake Wales Ridge chain of lakes, which consist of more than 100 lakes, is a District Priority Waterbody threatened by both declining levels and water quality. Common impacts include stormwater runoff, treatment effluent, fertilizer applications, agricultural runoff, groundwater pollution, shoreline habitat degradation and hydrologic alterations. Responsible for extensive GIS data collection, analysis, mapping, aerial interpretations, surface model generation, databases, and report writing which were used to help determine potential impairment, and recommend projects and programs necessary to ensure that the quality of the lakes in the Lake Wales Ridge meets the desired water quality objectives.

Qualifications

Years of Experience

36 (8 with Wood)

Education

Doctor of Science,
Geotechnical Engineering,
Massachusetts Institute of
Technology, 1991

Master of Science,
Geotechnical Engineering,
Massachusetts Institute of
Technology, 1987

Bachelor of Science, Civil
Engineering, Brigham Young
University, 1985

Registrations / Certifications / Licenses

Professional Engineer, Florida
No. 77304

Professional Engineer,
Louisiana, Texas

Professional Summary

Dr. Glen Andersen has more than 36 years of experience in engineering since his initial degree in Civil Engineering. This experience has involved a wide diversity of projects. His expertise includes the design of shallow and deep foundations for structures including schools, municipal buildings and flood protection facilities. He also has extensive experience in geotechnical seepage and stability evaluations performed for hundreds of individual structures including levees, I-Walls, T-Walls, Pump Stations, Gates, and L-Walls. He has worked on multiple water storage and distribution facilities projects involving ground-founded prestressed concrete tanks and elevated water tanks that have been designed with shallow and deep foundations.

Experience

Technical Project Manager/Principal Engineer

City of Lakeland, Se7en Wetlands Treatment Facility, Dam Safety Inspections, Effluent Structure Evaluation and Recommendations for Repair/Replacement, Educational Facility Foundation Recommendations, Mulberry, Florida

Technical project manager and principal engineer for annual dam safety inspections, engineering evaluation of damage to the effluent structure, and ground improvement design for the proposed Educational Facility. Provides ongoing technical oversight and direction to staff engineers in evaluating various performance indicators and making recommendations to improve the overall operational safety of this very large wetland treatment facility for the City of Lakeland. Leads the technical team to evaluate the cause of severe erosion and undercutting of foundation soils surrounding the effluent structure and perform an alternatives evaluation for either repairing the existing structure or installing a new structure upstream. Provides technical oversight to geotechnical engineering team for designing a surcharge loading of the foundation soils for the proposed educational facility to be built on very soft clay soils in a former clay settling area.

Technical Manager

City of Alachua, Mill Creek Sink Water Quality Improvement Project, Alachua, Florida

Technical Manager for geotechnical aspects of wetland water treatment design and oversight during construction. Project involves the design of a multi-wetland facility that directs surface runoff from adjacent roadways and properties into treatment areas creating higher quality water infiltration into the surficial aquifer. Various technical challenges on this site include the presence of the adjacent Mill Creek Sink and documented active karst development on site. An innovative electrical resistivity system (MERIT) was installed to assist in the evaluation of subsurface conditions and to determine

Glen R. Andersen, ScD, PE

Geotechnical Engineering



the nature and extent of the active karst formation features. Plans were developed to include contingencies in the event that sinkholes open during and subsequent to construction.

Technical Project Manager

JAX Port, Bartram Island Dredged Material Management Area Design, Jacksonville, Florida

Technical project manager for geotechnical aspects of the DMMA design including planning the geotechnical subsurface exploration and recommending a geophysical survey to extend the value of the geotechnical subsurface exploration. Oversaw the interpretation of boring logs and laboratory data and the determination of soil seepage and strength parameters for use in the analysis. Assisted with the setting up and overseeing the engineering modeling efforts for seepage and stability evaluations. This project involves a raising of a historical DMMA and includes very significant technical challenges such as very low strength natural sand deposits, very high compressibility sands, and the present of artesian conditions from the local surficial aquifer. Wood is subcontracted to Taylor Engineering for this work.

Technical Project Manager

Manatee County, Lake Manatee Dam Phase II Final Repairs, Manatee County, Florida

Technical project manager for design and construction of the Phase II non-emergency repairs to the Lake Manatee Dam that address the heavily damaged seepage control system for the Service Spillway and downstream riverbank stability. Performed a technical evaluation of all field data collected since the Phase I emergency repairs and leading a geotechnical engineering expert panel through a reevaluation of a prior recommendation by others to install a supplemental seepage cutoff wall in front of the Service Spillway. Also, providing senior technical oversight and direction of all geotechnical engineering analyses necessary to support the design of the Phase II repairs and assembling a group of Wood dam designers to produce the final set of plans and specifications. Client Contact: Katherine Gilmore

Technical Project Manager/Senior Engineer

Manatee County, Lake Manatee Dam Phase I Emergency Repairs, Manatee County, Florida

Technical project manager and senior engineer for the design and installation of a deep seepage cutoff wall along the entire dam alignment and underneath the Service Spillway. Identified the internal erosion and piping failure mechanism that had been developing since the dam was placed into service in 1967. It was becoming progressively more severe. Designed and implemented an emergency geotechnical subsurface exploration and led an expert panel to recommend the length and depth of the cutoff wall and evaluate appropriate construction techniques. During construction, functioned as project manager for QA services and oversaw all engineering analyses necessary to address changing conditions. Also facilitated weekly jobsite meetings with the Contractor and Manatee County representatives.

Senior Geotechnical Engineer

Flood Protection Facilities, Southern Louisiana and Rio Grande River Valley

Performance of geotechnical seepage and stability evaluations and the implementation of USACE design procedures for scores of flood protection facilities in Southern Louisiana and along the Rio Grande River in Texas and Southern New Mexico. Projects located in Southern Louisiana were associated with Hurricane Katrina Reconstruction and included: Algiers Canal and Pump Stations (Belle Chase I, Belle Chase II, Planters, SWB 11, and SWB 13); Bayou Segnette to Westwego Pump Station, Sector Gate, Reinforced Levee, and T-Walls; Cousins Pump Station; East of Harvey Projects (Contract 1, 2, and 3B); Highway 11 and Highway 90 T-Walls and Gates; IHNC East Reach II Gates, I-Walls and Levees; Lake Cataoutche Canal Closure and Levees; Lakefront Airport LPV-105 T-Walls; La Rose to Golden Meadow Pump Stations, T-Walls and Levees; LPV 107 I-Walls, T-Walls and Levees; Modifications to Task Order 1 Pump Stations (Cousins, Destrehan, New Estelle, Old Estelle); Whitney-Barrateria I-Walls and Sluice Gate; Modification to Tasks Order 2 Levees, Sector Gate and T-Walls; Task Order 3 Sluice Gates, Levees and T-Walls. Projects in the Rio Grande River Basin were associated with flood control facility upgrades by the USIBWC and included the following projects: Canutillo II Drainage Structures, T-Walls and Levees.

Qualifications

Years of Experience

39 (33 with Wood)

Education

Bachelor of Science, Surveying and Mapping, University of Florida, 1987

Associate of Science, Civil Engineering, Central Florida Community College, 1984

Registrations / Certifications / Licenses

Professional Land Surveyor, Florida No. LS5046, North Carolina No. L4598, South Carolina No. 27735, Missouri No. 2011017289, Louisiana No. 5077, Oklahoma No. LS1836, Ohio No. PS8614, Indiana No. LS21500006

Certified BLM Federal Surveyor, No. 1475

Professional Associations

American Congress of Surveying and Mapping

National Society of Professional Surveyors

Florida Surveying and Mapping Society

Florida GPS Users Group

Professional Summary

Mr. Charles Gardiner has 39 years of experience in a wide range of surveying and mapping activities, including management and execution of projects for both private and public sector clients. His extensive technical background accentuates his ability to manage personnel and projects effectively. He is currently the Operations Manager of the Surveying and Mapping department for Wood's Orlando, Florida office. In this capacity, he is tasked with the management of personnel and resources, scheduling and tracking of projects, and quality assurance within the department. Mr. Gardiner has specific expertise in geodetic surveying (conventional and GPS), route/design surveying and mapping, and boundary surveying. Furthermore, he has a background with an emphasis on the new technologies – including GNSS, GIS, and LiDAR – being utilized for the surveying and engineering professions.

Experience

Project Surveyor

St. Johns River Water Management District, Fly'n R Ranch Boundary Surveys, Umatilla, Florida

A 3,500-acre acquisition survey for the SJRWMD in Lake County, this "less-than-fee" acquisition survey involved the innovative use of both static and RTK GPS survey methods to locate land corners in a timely manner to meet a fast-paced schedule. Project tasks also included extensive retracement of PLSS section corners, review and interpretation of title work, and creation of ESRI GIS shape file of multiple boundaries for SJRWMD use.

Project Manager

Seminole County, Stormwater Infrastructure Surveying and Mapping, Seminole County, Florida

Surveying and GIS services under three-year contract for county-wide stormwater infrastructure mapping initiative, providing: land surveys, maintenance maps; right-of-way location surveys; legal descriptions; ground truthing for aerial topography; and cross-sections. Initial location is at Dodd Road and involves 1,000 feet of channel, one structure/pipe combination, and one-acre pond. Responsible for daily management of field and office operations, communications and coordination with client and staff, preparation of GIS deliverables.

Project Manager

City of Ocoee, Bhatta Continuing Survey and Mapping Services, Florida

Provided professional surveying services and plat review. Also responsible for the review and signature on the plat as the City representative.

Charles B. Gardiner, PLS, CFedS

Survey



Project Surveyor

Orange County, Continuing Surveying Services, Orange County, Florida

Has served as a Project Surveyor and QA/QC Surveyor to the County since 1999 in support of various County departments including Capital Improvements, Public Works, Parks and Recreation, Real Estate, and Roads and Drainage. Representative assignments have included geodetic control densifications, topographic surveys, utility route surveys, photogrammetric survey control, lift station surveys, preparation of legal descriptions, and GIS inventory mapping. Representative projects have included Ribs 6 boundary and topographic survey and Wallace Road 1.3-mile force main survey.

Project Manager/Surveyor

Southwest Florida Water Management District, Continuing Surveying and Mapping Services Contract, Florida

Since 2007 under two successive contracts, has supported the District's program of migration of hydrological monitoring stations from NGVD29 to NAVD88. Assignments have included geodetic control surveys, specific purpose surveys, and calibration of existing hydrological monitoring stations.

Project Manager/Surveyor

Florida Department of Environmental Protection, Statewide Continuing Surveying and Mapping Services Contract, Florida

Has served as project manager since 1995 under five successive contracts. Work under these contracts has involved land acquisitions, land management, and land restoration projects associates with the state's land acquisition programs to include Save our Rivers, Rails to Trails, Conservation and Recreational Lands (CARL), P-2000, and Florida Forever.

Project Manager/Surveyor

Miami-Dade County, Surveying and Mapping Services, Florida

Since 2004, under three successive contracts has been responsible for the successful completion of survey projects to support engineering and design missions. Typical assignments included right-of-way surveys, utility locations, topographic surveys, boundary surveys, bathymetric surveys, and the preparation of legal descriptions and sketches.

Project Manager/Surveyor

St. Johns River Water Management District, Annual Surveying and Mapping Services

Projects were primarily related to water resources studies and design, scientific studies, and land acquisition and management. Included geodetic control, topographic, hydrographic, and boundary surveys.

Principal Surveyor

Confidential Client, Environmental and Geotechnical Services, Puerto Rico

Project included ALTA/ACSM land title and topographic survey, Phase I and II ESAs, geotechnical services, threatened and endangered species surveys, wetlands assessment and delineation, and infrastructures condition assessment for four parcels at a site in Puerto Rico being considered for possible expansion. Site covers 21.8 acres, of which 7.7 acres are undeveloped. Responsible for survey component, including scheduling crews, developing budget, overseeing activities of consultant survey company, and ensuring work was performed in compliance with "Minimum Standard Detail Requirements for ALTA/ACSM Land Title Surveys."



Sustainable Design and Consulting

EDWARD CROWLEY

- 4817 PALM TREE COURT, WINDERMERE, FL 34786 •
- EDWARD@EDWARDCROWLEY.COM •
- 352-494-0488 •

OBJECTIVE

To provide an employer a dedicated, hardworking employee that sees to the needs, wants and desires of the client and the employer, contributing to the advancement of the organization's productivity and goals.

LICENSE AND CERTIFICATIONS

Landscape Architect

State of Florida Department of Business and Professional Regulation Board of Landscape Architecture Registered Landscape Architect #LA6667183

LEED AP

United States Green Building Council's Leadership in Energy and Environmental Design Accredited Professional in New Construction

Florida Water Star SM AP

Florida Water Star SM Accredited Landscape Professional

GI-BMP

Florida Department of Environmental Protection with the University of Florida Institute of Food and Agricultural Sciences Green Industries Best Management Practices

Landscape and Horticultural Specialist

Valencia Community College Landscape and Horticultural Specialist Technical Certificate

Landscape and Horticultural Professional

Valencia Community College Landscape and Horticultural Professional Technical Certificate

Antiterrorism Certificate

JS-US007-14 Level I Antiterrorism Certificate Awareness Training Joint Chief of Staff, Department of Defense

WORK EXPERIENCE

City of Orlando Parks and Recreation

Orlando, FL

January 2016- Present

Landscape Architect

Redesign and assist in park planning, including open areas, dog parks, playgrounds and ballfields, specifying playground equipment and park amenities, site analysis, design development, phasing of construction, detail organization, specification updates, construction documents, bid package preparation, review and response to comments.

Major Projects:

- *Willows Parks, Orlando, FL*
- *Festival Park Orlando, FL*
- *Lake Druid Park, Orlando, FL*
- *Malibu Grove Park, Orlando, FL*
- *Lake Eola Park, Orlando, FL*
- *Constitution Green Park, Orlando, FL*
- *Mathews Park, Orlando, FL*
- *Park of the Americas, Orlando, FL*
- *Orange Robinson Pocket Park, Orlando, FL*

Sustainable Design and Consulting /Rethink Resources

Windermere, FL

July 2009- Present

Owner/Operator

Sustainable start up specializing in Landscape Architecture, Environmental Design and Ecological Consulting. Market and solicit work, interact with clients, ensure that customers understand proposed solution options and assist in implementation of solutions and making the customer satisfaction the priority.

Major Projects:

- *Florida Poly Technical Recreation Building, Lakeland, FL*
- *Polk County Courthouse Parking Garage, Bartow, FL*
- *Berkley Accelerated Middle School, Auburndale, FL*
- *Polk State College, Winter Haven, FL*
- *Silver Woods HOA, Windermere, FL*
- *Field House and Conference Center, Winter Haven, FL*
- *Water Administration, Lakeland, FL*
- *Okeechobee County Appraiser, Okeechobee, FL*
- *Robr Home, Bartow, FL*
- *Wagner Residence, Orlando, FL*



Sustainable Design and Consulting EDWARD CROWLEY

Heery International/Bowyer-Singleton and Associates **Orlando, FL** **June 2007-May 2009**

Landscape Architectural Designer

Site analysis conceptual designs, design development, design of planting plans, hardscape plans, and water features, construction documents and bid package preparation, review and response comments, researched and performed code minimum landscape, computer drafting of landscape plans: planting plans, hardscape plans and construction documentation.

Major Professional Projects:

- *Medical College of Georgia Cancer Center, Augusta, GA*
- *Disney Adventureland, Pecos Bill, Orlando, FL*
- *Lake County Courthouse, Tavares, FL*
- *Okaloosa County Courthouse, Okaloosa County, FL*
- *Cornerstone Hospice, Tavares, FL*
- *Osceola Center for the Arts, Osceola County, FL*
- *Skyline Hospital, White Salmon, WA*

Morris Architects **Orlando, FL** **September 2005-February 2007**

Landscape Architectural Designer

Accountable for computer drafting of planting plans, hardscape plans, construction documentation, conceptual design, redesign of signage entry features, redesign of club house and pool hardscape, new secondary area hardscape and planting upgrades, assisted in development of masterplan of themed beachside attraction, dune design.

Major Professional Projects:

- *Pleasure Island Revitalization, St. Cloud, FL*
- *Centex Tidelands Development, Palm Coast, FL*
- *Marriott, St. Petersburg, FL*
- *Port Orange Revitalization, Port Orange, FL*
- *City Mark Development, Orlando, FL*
- *Niteroi Masterplan, Niteroi Brazil*
- *Paradise Island Resort, Cayman Islands*
- *Hard Rock Park, Myrtle Beach S.C.*

Biosphere Consulting **Winter Garden, FL** **June 1998-May 2001**

Nursery Manager

Assisted in preparation and initiation of yearly operating plan, assisted in selection, supervision and evaluation of crew members, conducted test to develop and modify practices and operational methods, implemented new methods for improvement of operational techniques and efficiency, propagation and maintenance of nursery stock.

Good Samaritan Center **Jackson, MS** **February 1992-June 1997**

Case Manager

Coordinate pick-up and delivery of donations, screen clients in need, determine eligibility, dispense appropriate funds, delegated monies from FEMA emergency funds, coordinated with other area agencies to not duplicate assistance.

EDUCATION

University of Florida **Gainesville, FL** **June 2001- June 2005**

Bachelors in Landscape Architecture May 2005

- **Flabash.04 Chair**
Florida LABASH, a student landscape architecture international conference. Supervised the organization and execution of a national student conference with over 400 attendees. Managed the entertainment and social events, supervised the Tours Committee, assisted in choosing national speakers, hosted speakers, tracked registrants, created and managed a project budget, oversaw and approved public relations, oversaw and participated in fundraising and additional events.
- **Architecture College Council Representative for ASLA**
Act as a liaison between Board of College Council and American Society of Landscape Architects, Providing information and updates, soliciting for funds, planning of events, chairing of meetings.

Valencia Community College **Orlando, FL** **August 1998-December 1999**

Associate in Science in Environmental Horticulture

SKILLS

Computer Related

AutoCAD 2021, Vector Works 12.0, Sketch-Up, Microsoft Word, Excel, Publisher, PowerPoint, Outlook, Photoshop, In Design, Illustrator.

MAIN OFFICE LOCATION

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EXECUTIVE SUMMARY

CMI is a construction consulting firm established in March 1995. Our main goal is to provide cost estimating, scheduling and project management / owner's representative services to the construction industry. CMI has held continuing contracts with Orange, Lake and Sarasota Counties, Orange County Convention Center and Orange County Public Schools, Miami-Dade County Public Schools, Seminole State College, City of Orlando, and Greater Orlando Aviation Authority.

The scope of service, depending on the scope, size, and complexity of each assigned project, involved total or multi-disciplinary elements such as site work, structural, electrical, mechanical, and special construction. CMI prepared independent, objective, detailed cost estimates and/or schedules to be used by the Owner for evaluating, negotiating, and otherwise resolving requests, payment applications and claims made by construction contractors and in determining the cost of changes in the work proposed by the Owner or required by unanticipated circumstances. Project types included new construction, rehabilitation, repair, expansion, and demolition of existing, outdated Facilities. The estimates and schedules were based on plans, preliminary designs as well as conceptual, planning level projects recommended for improvements. For conceptual projects, the cost estimates and schedules were based on the best available information as well as site visits, inspections, and field surveys.

COST ESTIMATING

Our philosophy is that an estimate should always be more than a means to satisfy a contractual obligation. It should be a useful tool to assist the Owner in the decision-making process. We have adopted a novel approach (a combination of cost modeling and conceptual budgeting) that allows us to establish realistic design-to-cost targets, as early as the Project's inception. This can be an invaluable tool that can be utilized for closely monitoring budgets during design. The likely range of the services may be categorized as follows:

Pre-Design Phase: capital construction budgeting / master plan estimates, including life cycle costing and operational costs.

Design Phase: value engineering suggestions and alternative design costs analysis and proposals; cost / benefit analysis of building envelope and systems, especially relating to "green" buildings, sustainable design and Leadership in Energy and Environmental Design (LEED) guidelines; detailed estimates at Schematic Design, Design Development, and Construction Documents phases; constructability review and coordination of documents.

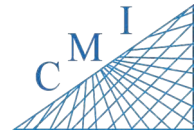
Bid Phase: bid package preparation, scope of work documentation and incorporation of unit price schedules; solicitation / prequalification / selection of bidders; bid analysis and recommendations; analysis of Construction Manager (CM) or General Contractor (GC) bids / Guaranteed Maximum Price (GMP) proposals; analysis of general conditions, baseline construction schedules & milestones, proposed contract documents, etc.

Construction / Close-out Phase: analyze schedule of values and prepare cashflow projections graph; evaluate change order proposals and assist with negotiations; auditing and claims analysis; provide expert witness and legal testimony.

Operations Phase: facilities condition assessment; cost estimates associated with emergency work or disaster relief efforts.

SCHEDULING

Scheduling, as a planning tool, helps respond to problems and changes, and sometimes, opportunities, that arise during a project. Our scheduling interfaces closely with the 30%, 60% and 95% design documents and estimates. A baseline Critical Path Method (CPM) schedule and milestones can be incorporated into the design phase. This cohesive integration protects planning and permitting issues, projects all other milestones and the overall duration of a project with realistic time constraints and availability of resources. We develop activities and logic relationships, show technical compliance submittal content and project the sequence of work, including critical path activities.



EDUCATION

Diploma in Quantity Surveying (RICS), 1993
B.S. Degree in Construction Management (Pratt Institute), 1985 (Highest Honors)
Technician Diploma in Building and Civil Engineering, 1979

REGISTRATION

Green Building Certification Institute, LEED AP, 2008
State of Florida, CGC #1505217, 2002

PROFESSIONAL AFFILIATIONS

Member of the Royal Institution of Chartered Surveyors England, 1979

YEARS OF EXPERIENCE WITHIN AREA OF SPECIALITY: 42

BACKGROUND AND SKILLS

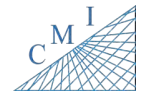
Ganesh established this private construction consulting firm in March 1995. CMI is providing all aspects of construction cost and schedule related services on private and public projects. Clients include Owners, Architects, Engineers, Construction Managers, etc.

Ganesh has applied the principles of Construction Management and Chartered Quantity Surveying towards the success of a long list of public projects and satisfied Owners. With the Chartered Quantity Surveying method of cost estimating, Ganesh can effectively evaluate schemes and strategies before the standard material take-off strategy of estimating would be possible. This will help the design team understand the cost implications of major design decisions made early in the process. This way, cost can be controlled with effective design-making on the global scale, rather than incremental shifts late in the process. Life Cycle Costing calculations, even early in the design process can objectively evaluate different schemes in terms of their long-term costs. He and key members of his staff are familiar with Construction Technology and Project Cost Control techniques. His expertise includes conceptual budgets, cash flow projections, value engineering, life cycle cost analysis, cost benefit analysis, bid evaluation and analysis, measuring accurate scope and quantities for change orders, project management and contract administration, etc.

Ganesh's training, combined with the thorough education and experience he gained with the RICS has made him a suitable candidate who is qualified to advise the Owner on all aspects of cost control and contract administration, from a Project's inception to its completion. He advises the Owner on scope vs budget, estimating updates, bid analysis and recommendations, form of contract and scope classifications, analysis of trade payment breakdown, examination and recommendation of Contractor's payment requests, and final close-out of the project. Ganesh's training and experience are also emphasized in document control, whereby minutes of meetings, status reports and other forms of communication flow smoothly among all the parties involved. In addition to nipping problems in the bud, responsible documentation and flow of communication will ultimately provide the Owner with a complete audit trail.

CMI has won continuing contracts with the City of Orlando, City of Kissimmee, Orange, Sarasota and Lake Counties, Orlando Int'l Airport and Orange County Convention Center to provide cost estimating, scheduling, and project management services. The scope of work consists of a variety of building construction projects which included new construction and or remodeling, renovation, repair, improvement and extension of the facilities and buildings, appurtenant building structures, building systems, sites, and other public facilities. CMI prepared independent, objective, and detailed cost estimates for multi-disciplinary elements of various County buildings. The budgetary/ conceptual cost estimates for projects were based on, project design concept, schematic drawings, design development plans & specifications, final construction plans and field surveys.

For this contract Ganesh will ensure that projects are adequately staffed and will be supported by other CMI key personnel whose expertise include estimating, value engineering, claims analysis, auditing, and contract administration. CMI has successfully provided consulting services (estimating, scheduling, auditing, claims analysis, owner's representative, project management, etc.) on over 1100 projects.



Representative project experience for Ganesh includes:

City of Orlando

- Dr Phillips Performing Arts Center
- Events Center Streetscape
- City Hall Dome Roof
- Bob Carr Theater Restoration
- Historical Building Restoration

City of Kissimmee

- Public Works Sanitation Office Building
- Oak Street Widening
- Lake Front Park
- Toho Water Authority Administration Building

Orange County Convention Center

- Campus Master Plan
- Capital Improvement Plan
- Central Energy Plant Roof Replacement
- Controls Upgrade and VFD Installation (Phase 1, 2, and 2A)
- Exhibit Drive Improvements
- Facilities Condition Assessment
- HVAC Upgrades Phases 1 & 2
- N/S Building Access Control System Upgrade
- N/S Building Envelope Coating
- N/S Building Vaulted Roof Lighting Enhancement
- N/S Concourse Digital Wayfinding
- Phase III Kitchen Renovation
- Phase V Expansion
- Valencia Room Renovation
- West Building Central Lobby Canopy
- West Building Fire Alarm System Upgrade
- West Building Power Upgrades
- West Building Valencia Room Renovation
- West Concourse Operable Shades Replacement

Orange County Utilities (OCU)

- East Regional Water Service Facility
- Lake Eve Pump Station
- Malcolm Road Water Supply Facility
- South Water Reclaimed Phase V Improvements
- SWRF Generator Building Roof Replacement
- Vistana Water Supply Facility

Lake County Government

- Clermont Driver's License Office
- County Clerk Records Center Remodeling
- Hickory Point Volleyball Facility
- Historical Courthouse Renovation
- New Addition & Renovation of Public Defender's Building
- Office of Procurement, EOC/ Communication Facility and CEP
- Public Safety Department, Fire Rescue Portables
- Public Safety Department, Fire Station 90
- Public Safety Department, Prototype
- Tax Collector's Office, Site Study

Orange County Government

- Courthouse Evidence Relocation Project
- Fleet Management Facility HVAC Replacement
- Oak Street Widening Drawing Review
- Horizon Building Security Renovation
- Sheriff Central Complex Phase 2
- Public Works Barry Street Drainage Improvement

Sarasota County Government

- Emergency Operation Center Bldg.
- Admin Bldg. Renovation @ Ringling Blvd.
- EOC Buildings Enterprise Information Technology (EIT)
- New Bus Transfer Station at Cattlemen Road
- EIT at Cattlemen Road

Other Florida Projects

- Alachua County Court Support Services
- Florida High Speed Rail
- Fort Drum Service Plaza
- Polk County Government Center
- Rookery Bay Goodland Field Station
- Seminole County Courthouse Renovation
- Seminole County Jail Expansion
- Seminole County Sports Complex
- Volusia County Judicial Analysis
- Orlando Intl Airport – South Airport APM/ ITF
- Sanford Intl Airport – FIS CBP Remodel



EDUCATION

- Bachelor's Degree in Business Management, University of Central Florida
- Associate of Arts Degree, Valencia College

PROFESSIONAL AFFILIATIONS

- American Society of Professional Estimators

YEARS OF EXPERIENCE WITHIN AREA OF SPECIALITY: 25

LENGTH OF / TYPE OF SERVICE WITH CMI: 25 Years/ Construction Cost Estimating & Scheduling/ Constructability Review/ Change Order Management/ Construction Auditing / Cash Flow Projections, Life Cycle Cost Analysis and Facilities Condition Assessment.

BACKGROUND AND SKILLS

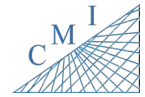
Vidisha has over 20 years' experience as an Estimator and a few years as a Scheduler. She prepares quantity take-offs (QTO) and detailed breakdown and pricing for all Architectural, Structural and Civil Trades, reviews and coordinates QTO from the other disciplines for the completion of **estimates from conceptual through Construction Documents phase**. She has also developed a keen eye to spot inconsistencies in the drawings during a project's early design stages and to query the Designers for clarification. While as working as a cost estimator, Vidisha started learning and gaining scheduling knowledge by assisting Senior Schedulers on various scheduling tasks. She is now proficient in the following Scheduling software - Primavera (P6) and Microsoft Project. She has the capability of generating and creating activities in either software to create a schedule. Vidisha can work on projects varying in size and complexity. She closely follows our rules and procedures for quality control and checks & balances during the preparation of estimates and schedules.

Cost Estimator:

- Review drawings for inconsistencies and prepare Query to Designers.
- Quantity Take offs of all major architectural, structural, and civil disciplines.
- Research material pricing and specialty products.
- Prepare ROM Estimates for budgeting.
- Coordination of QTO from all from all discipline.
- Preparing a complete estimate using the SuccessEstimator software.
- Using data from facilities condition assessments to prepare an estimate for recommendations.

Scheduler

- Collaborate with project managers to prepare schedules for various types of projects.
- Create / review milestones schedules.
- Continuously monitor and evaluate project schedule progress data, identify conflicts and developing issues within a schedule, and report deviations to project managers.
- Provide updates to schedules as requested.
- Maintain a milestone tracker of all projects (planning, design, construction, closeout and completed).
- Work with project managers to determine resources and relationships for schedule activities and update schedule with information.



Representative project experience for Vidisha includes:

Lake County

- 1st & 2nd Floor Clerk Record Office Renovation
- Animal Services Expansion
- Astatula Pole Barn
- Clerk Records Center on 3rd Floor of Courthouse
- Courthouse New Add & Renovation Public Defender Bldg.
- Courthouse Renovation
- Emergency Operations Center Drawing Review
- Fleet Maintenance Facility
- Public Safety Fire Rescue Portables
- Fire Station Prototype
- Hickory Point Volleyball Facility
- Historical Courthouse Renovation
- Judicial Center Expansion – Phases 1 & 2
- Lake County Fire Station 90
- Sheriff's Office Administration Building
- Tax Collector's Office-Site Development
- Tavares Library Addition
- Lake County Schools - FISH Study
- Lake County Schools - Oak Park MS Assessment

Orange County Convention Center

- Destination Lounge
- Dining Lounge
- Exhibit Drive Improvement
- Exterior Wayfinding Signage
- North/South Building Access Control Upgrade
- North/South Building Envelope Coating
- North/South Building Phase V Expansion
- Phase II Renovation
- Valencia Room Renovation
- Vaulted Roof Lighting Enhancement
- West Building Hall B Roof Replacement
- West Building Hall D Corridor Upgrade
- West Building Meeting Rooms Renovation
- West Building Restrooms Renovation
- West Building Roofing Replacement
- West Building Wall Panels
- West Entrance Flooring and Walls

Orange County Projects

- Barry Street Improvements
- Fire Station #41
- Hazard Mitigation Grant Program
- Lake Eve Pump Station
- Malcolm Road Water Supply Facility
- OCU Malcolm Rd. Water Supply Facility
- OCU SWRF Ph. V Improvements
- OCU Utility Operations Center
- OCU Vistana Water Supply Facility
- South Water Reclamation Facility (SWRF) Phase V Improvements
- SWRF Generator Bldg. Roof Replacement
- Utility Operations Center East

Other Florida Projects

- Alachua County Court Support Services
- Bob Carr Theater
- City of Kissimmee, Oak Street Widening
- City of Orlando Dome Roof Repairs
- Dames Point Marine Terminal
- Downtown Clermont Art Walk
- Florida High Speed Rail
- Gainesville Eastside Operations Center
- Nassau County Courthouse
- Okaloosa County Courthouse
- Orange County Admin. Bldg. 5th Floor HVAC Replacement
- Polk County Government Center
- Polk County Government Center
- Rookery Bay Goodland Field Station
- Sarasota County - EOC Building, Enterprise Information Technology
- Sarasota County - New Bus Transfer Station @ Cattleman Rd.
- Seminole County Sports Complex
- Seminole State College Signage Project
- Tampa Airport STS & CUPPS Network System Design
- UF Blueberry Research Facility
- Volusia County Judicial Expansion