STATEMENT OF QUALIFICATIONS FOR
CONTINUING PROFESSIONAL SERVICES
CIVIL ENGINEERING

UTILITIES COMMISSION
CITY OF NEW SMYRNA BEACH
RSQ # 10-18

APRIL 5, 2018
April 4, 2018

Maureen Crossman, CPPB
Materials Manager
Utilities Commission
City of New Smyrna Beach
200 Canal Street
New Smyrna Beach, FL 32168

Subject: Statement of Qualifications for Continuing Professional Services, Civil Engineering – RSQ #10-18

Dear Ms. Crossman:

The Utilities Commission City of New Smyrna Beach (UCNSB) is seeking well qualified engineering firms to provide services described in the subject RSQ. Your customers expect the highest level of service available. Mead & Hunt is nearby and is in an excellent position to provide the services described in the RSQ. Our engineers, architects and design professionals live and work in this area and look forward to serving the community.

Mead & Hunt, formerly QLH, is a full-service engineering firm with a well-staffed office in Port Orange. The staff from QLH remains fully intact and the assembled design team is immediately available to continue working for the UCNSB. We have reviewed the scope of services and included relevant information that demonstrates our team’s qualifications and technical capabilities. We are familiar with your staff and design standards, and the expectations of the Commission. The project manager for this continuing contract is Brad Blais, PE. Brad previously served as President of QLH and is now the Vice President and Water & Utilities Market Leader for Mead & Hunt. He is your primary point-of-contact for this RSQ response and subsequent assignments. Brad will be directly responsible to UCNSB and your staff for the satisfactory completion of projects authorized by UCNSB. Brad’s qualifications and references are included herein.

Please direct correspondence pertaining to this RSQ to Brad Blais. He can be reached at 386-761-6810 or brad.blais@meadhunt.com. Thank you for the opportunity to serve.

Sincerely,
Mead & Hunt, Inc.

Brad Blais, PE
Vice President and Market Leader
# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 QUALIFICATIONS DATA</td>
<td>1</td>
</tr>
<tr>
<td>Firm History</td>
<td></td>
</tr>
<tr>
<td>Corporate Capabilities</td>
<td></td>
</tr>
<tr>
<td>Similar Contract Experience</td>
<td></td>
</tr>
<tr>
<td>Related Experience</td>
<td></td>
</tr>
<tr>
<td>2 CONSULTANT’S UNDERSTANDING</td>
<td>11</td>
</tr>
<tr>
<td>Introduction &amp; Overview</td>
<td></td>
</tr>
<tr>
<td>Approach</td>
<td></td>
</tr>
<tr>
<td>Budget</td>
<td></td>
</tr>
<tr>
<td>3 STAFFING REQUIREMENTS</td>
<td>17</td>
</tr>
<tr>
<td>Proposed Project Team</td>
<td></td>
</tr>
<tr>
<td>Organization Chart</td>
<td></td>
</tr>
<tr>
<td>Recent, Current &amp; Projected Workload</td>
<td></td>
</tr>
<tr>
<td>Staffing Availability</td>
<td></td>
</tr>
<tr>
<td>Key Staff Resumes</td>
<td></td>
</tr>
<tr>
<td>4 LOCATION</td>
<td>39</td>
</tr>
<tr>
<td>5 FINANCIAL RESPONSIBILITY</td>
<td>41</td>
</tr>
<tr>
<td>6 INSURANCE</td>
<td>43</td>
</tr>
<tr>
<td>Commercial General Liability Certificate</td>
<td></td>
</tr>
<tr>
<td>Professional Liability Certificate</td>
<td></td>
</tr>
<tr>
<td>7 OCCUPATIONAL LICENSE</td>
<td>45</td>
</tr>
<tr>
<td>8 REFERENCES</td>
<td>49</td>
</tr>
<tr>
<td>Client References</td>
<td></td>
</tr>
<tr>
<td>Reference Letters</td>
<td></td>
</tr>
<tr>
<td>9 OTHER INFORMATION</td>
<td>53</td>
</tr>
<tr>
<td>Quality Control/Quality Assurance Procedures</td>
<td></td>
</tr>
<tr>
<td>Addendum</td>
<td></td>
</tr>
</tbody>
</table>

This document was printed on paper that is manufactured entirely Carbon Neutral Plus, using 100% Certified Renewable Energy and made with fiber from well-managed forests. The paper is Green Seal™ certified ensuring it contains a minimum of 30% post consumer fiber and that the mill processes, including packaging, are environmentally preferable.
QUALIFICATIONS DATA

FIRM HISTORY

Quentin L. Hampton Associates (QLH) was originally formed by Quentin L. Hampton in 1964 and was incorporated in 1967. Quentin pioneered wastewater treatment in Florida and acquired numerous patents for various treatment processes. He served as President until his retirement in 1985. Under the subsequent leadership of Rick Fernandez and Mark Hampton, QLH continued to innovate tertiary and advanced wastewater treatment facilities in the 1980s and introduced public access reclaimed water systems to Central Florida in the 1990s. As the company matured, expertise was developed in potable water, stormwater, civil, environmental and reclaimed disciplines. Throughout the company’s existence, it’s primary focus has been personalized and innovative service for municipalities throughout Florida. Continuing contracts with current municipal clients date as far back as 1968.

In June 2017, QLH merged with Mead & Hunt, a national firm offering comprehensive planning, design and construction engineering and inspection services for an array of architectural and engineering disciplines. The staff’s multidisciplinary skills are available in offices nationwide. Daniel W. Mead, an internationally recognized expert in hydroelectric and hydraulic engineering, established the original firm in 1900. Henry Hunt, an electrical and civil engineer, became a partner in the firm in the early 1920s. Growth through this partnership allowed Mead & Hunt to diversify into other areas of engineering and architecture. The firm’s services expanded to meet the country’s changing social needs. Today, in addition to our roots in dams and hydropower, Mead & Hunt provides architecture and engineering for industrial facilities; highways and bridges; aviation and military facilities; storm water and wastewater systems; and municipal facilities. Our technical expertise includes interior design, historic preservation, environmental sciences, survey, materials testing, and GIS and remote sensing services. With approximately 630 employees, our technical skills and industry knowledge allow us to serve diverse markets so you can accomplish your goals with a single, full-service firm. In 2017, Mead & Hunt ranked 141 in Engineering News Record's Top 500 design firm list.

As a company, we build relationships first by listening to you and understanding your objectives. Then we apply our depth of experience to anticipate your current and future needs. With more than 30 offices nationwide, we are nearby and equipped to plan, design and provide engineering and architectural services. From the moment we join you at the project kickoff, our first priority is to remain close at-hand to address and manage whatever needs arise. Your satisfaction is our benchmark for success.
QUALIFICATIONS DATA
CORPORATE CAPABILITIES

We provide clients with expert planning, design and engineering services across a wide variety of sectors. In each of these disciplines, we’ve developed unique methodologies and processes to deliver cost-saving solutions that meet our clients’ needs.

ARCHITECTURE & ENGINEERING
- Architecture and structural engineering
- Energy analysis
- Fire protection and security
- Heating, ventilating and air conditioning
- Instrumentation and communication systems
- Interior design
- Electrical engineering and lighting design
- Plumbing

ENVIRONMENTAL
- Environmental assessments (NEPA)
- Environmental impact reports
- Habitat assessment
- Planning
- Stream restoration
- Water quality sampling
- Wetlands mitigation design

MUNICIPAL
- Land use planning
- Stormwater management
- Streets and bridges
- Traffic studies
- Utility coordination
- Wastewater treatment and collection systems
- Water system engineering

URBAN PLANNING
- Downtown redevelopment
- Grant and loan applications
- Master plans
- Parks and recreation plans
- Residential, commercial, industrial and business developments

WATER RESOURCES
- Water infrastructure
- Flood risk reduction
- Hydrology and hydraulic analyses
- Regulatory compliance
- Geotechnical

WATER & WASTEWATER
- Design-build for treatment systems
- Water and utility master planning
- Wellfield planning and design
- Reclaimed water augmentation, storage, pumping and distribution
- Comprehensive design services for water supply, treatment, distribution, storage and pumping
- Advanced wastewater treatment plant design
- Sewage collection and transmission

CONSTRUCTION SERVICES
- Building commissioning
- Commercial and residential construction inspection
- LEED® certification
- Right-of-way coordination
- Surveying
- Transportation inspection
- Video pipe inspection
- CEI services
- Grant compliance
Mead & Hunt has provided similar services with time and budget constraints, without delay or interference under continuing contracts with municipalities and county governments in Florida since 1964.

Below is a listing of current Central Florida continuing contracts similar in nature to this:

| CLIENT                      | CONTINUING SERVICES SINCE | TYPE OF SERVICE                                                                 |
|-----------------------------|---------------------------|--------------------------------------------------------------------------------|---|
| Cocoa Beach                 | 1968                      | Professional Engineering Services; Construction Engineering and Inspection; Dredging Services |
| Port Orange                 | 1980                      | Community Development & Inspection; Master Engineering Services (Civil and Utilities) |
| DeLand                      | 1987                      | Professional Engineering Services (Civil and Utilities)                          |
| Ormond Beach                | 1992                      | Professional Engineering Services (Civil and Utilities)                          |
| Edgewater                   | 1994                      | Professional Engineering Services (Civil and Utilities)                          |
| Holly Hill                  | 1995                      | Professional Engineering Services; Building Inspection (Civil and Utilities)      |
| South Daytona               | 1995                      | Professional Engineering Services (Civil and Utilities)                          |
| Cocoa                       | 1997                      | Professional Engineering Services (Water/Wastewater, Civil, Stormwater and Streetscape) |
| Volusia County              | 1998                      | Utility Engineering; CEI; Stormwater & Environmental; On Call Stormwater          |
| Orange City                 | 2001                      | Professional Engineering Services (Civil and Utilities)                          |
| Ponce Inlet                 | 2001                      | Professional Engineering Services (Civil and Utilities)                          |
| New Smyrna Beach            | 2002                      | Professional Engineering Services (Civil)                                       |
| Flagler Beach               | 2003                      | Professional Engineering Services (Civil and Utilities)                          |
| Satellite Beach             | 2006                      | Professional Engineering Services (Civil)                                       |
| Utilities Commission of New Smyrna Beach | 2006      | Professional Engineering Services (Utilities)                                    |
| Brevard County              | 2009                      | Stormwater; Professional Engineering & Consulting (Civil and Utilities)           |
| Deltona                     | 2009                      | On Call Water Resources, Wastewater & Water Utilities; On Call Stormwater Engineering; On Call Civil Engineering |
| Cape Canaveral              | 2011                      | Professional Engineering Services (Civil and Utilities)                          |
| Mt. Dora                    | 2014                      | Professional Engineering Services (Civil and Utilities)                          |
| Daytona Beach               | 2015                      | Civil Engineering; Commercial Plans, Examining and Building Inspection            |
QUALIFICATIONS DATA

RELATED EXPERIENCE

WATER RECLAMATION FACILITY RECLAIMED AQUIFER STORAGE AND RECOVERY (ASR) WELLS, CITY OF COCOA BEACH – COCOA BEACH, FLORIDA

QLH (now Mead & Hunt) has served as Cocoa Beach’s consulting engineer since 1968. Our staff members have served as the engineering-of-record for all City wastewater and reclaimed water projects since 1972.

The City of Cocoa Beach was required to lower nutrient levels discharged to the Banana River for compliance with United States Environmental Protection Agency (USEPA) Total Maximum Daily Load (TMDL) legislation. The existing biological treatment process was an Anoxic/Oxic process that reduced nutrients, but was unable to meet the annual loading limits of 4,022 pounds per year and 1,063 pounds per year, total nitrogen and phosphorous, respectively. Treatment upgrades were required to achieve Advanced Wastewater Treatment (AWT) standards and produce a 5-5-3-1 wastewater effluent. The reduced waste load allocation also required further reduction of effluent discharged to the Banana River.

A $22 million State Revolving Fund (SRF) loan for was approved for construction of the treatment plant upgrades, ASR wells, technical services during construction and contingencies. The treatment plant contract award for the base bid plus bid alternate #1 (centrifuge) was $15.14 million.

A reclaimed water ASR well was designed in addition to the process conversion and plant upgrades. The reclaimed ASR well will be constructed in the Lower Floridan Aquifer (LFA) and allow the City to store and recover reclaimed water to meet the shortfall between demand and supply during the dry season. This ASR well will also allow the City to further minimize surface water discharge and comply with TMDL limits.

Project Data
- Completion: 2014
- Total cost: $18 million

Key Staff
- Brad Blais, PE – Design Project Manager

Services Provided
- Comprehensive planning
- Design
- Permitting assistance
- Funding assistance
- Bidding assistance
- Construction engineering and inspection

Contact: Scott Barber
Water Reclamation Director
City of Cocoa Beach
2 S. Orlando Ave
Cocoa Beach, FL 32932
321-868-3308
SOUTH CENTRAL REGIONAL WASTEWATER TREATMENT FACILITY (SCRWWTF) EXPANSION, BREVARD COUNTY – VIERA, FLORIDA

Brevard County’s SCRWWTF is an advanced nutrient removal treatment facility that provides sewage treatment and septage management for the rapidly growing area in and around Viera. The existing six-million-gallon-per-day (MGD) treatment facility is being expanded to a total capacity of 12 MGD. In addition to capacity expansion, this project includes numerous upgrades to the existing plant, a new laboratory and a 12,000-square-foot maintenance and administration building. Upon completion, this state-of-the-art facility will provide septage management, advanced nutrient removal, reclaimed water distribution upgrades and effluent discharge to a treatment wetland and bird sanctuary. Specific unit processes affected by this project include:

Influent Screening and Grit Removal
- Constructing a new 12-MGD Pretreatment Structure to replace the existing one
- Installing two new three-millimeter self-cleaning STEP SCREENS® with compactors
- Installing two new Head-cell® centrifugal de-grit systems with grit snails
- Installing two new Rotoshear® one-millimeter fine screens and compactors

Biological Nutrient Removal
- Replacing mixers in existing five-stage process tanks with Hyperboloid mixers

Project Data
- Completion: 2018
- Total cost (est.): $38.07 million

Key Staff
- Brad Blais, PE – Design Project Manager
- Kevin Lee, PE – CEI Engineer
- Gary Wisniewski – Construction Services Manager

Services Provided
- Design
- Permitting assistance
- Bidding assistance
- Funding assistance
- Construction contract administration
- Field inspection services

Contact: James Helmer
Utility Services Director
Brevard County
200 East Santa Clara Street
San Jose, CA 95113
321-633-2089

© 2018 Mead & Hunt
Constructing a new six-MGD five-stage Integrated Fixed Film Activated Sludge (IFAS) process train
- New process includes mixers, air diffusers, IFAS media and supplemental equipment
- New blower building with three high efficiency turbo blowers

**Clarifiers**
- Construct two new 90-foot-diameter clarifiers with perimeter walkways and weir covers
- New return and waste activated sludge (RAS and WAS) pumps, piping and meters

**Filtration**
- Replace existing ‘South’ Dynasand filters for plants #1 and #2 with three two-MGD Discfilters within the existing south filter structure
- Demolish existing north filter structure
- Construct three new two-MGD Diskfilters for new treatment process

**Disinfection**
- Construct new six-MGD chlorine contact chamber and effluent transfer pumps for the new process train
- Reuse Storage and Pumping
- Construct new one-MGD pre-stressed concrete ground storage tank
- Construct new high service pump station
- Demolish old reuse transfer pumps and wet well

**Aerated Sludge Holding**
- Construct new aerated sludge holding tank
- Replace mixing and aeration equipment with blowers and hyperboloid mixers

**Belt Filter Press**
- Construct new building for additional belt filter press
- Install one new belt filter press and three polymer feed systems

**Electrical and Instrumentation**
- Abandon existing five-kilovolt (kV) power distribution system
- Install new 480-volt (V), three-phase power distribution system
- Provide three new 750-kilowatt (kW), tier four generators, fuel storage and automatic transfer equipment
- Replace all control panels and process equipment on a fiber optic network

**Architectural**
- Construct a new laboratory and offices for the County-wide lab facilities
- Construct a new 12,000-square-foot maintenance and administration building for the Utility Services division
TOMOKA WOODS WATER TREATMENT PLANT (WTP), CITY OF DELAND – DELAND, FLORIDA

QLH (now Mead & Hunt) has served as DeLand’s consulting engineer since 1990. The firm has prepared all designs for the City’s water supply and treatment facilities for the past 22 years. The most recent water supply and treatment facility designed for DeLand is the Tomoka Woods WTP.

We prepared a State Revolving Fund (SRF) Facility Plan for this project and helped the City obtain grant funding for project construction. QLH was instrumental in helping to acquire a $3 million loan from the United States Environmental Protection Agency (USEPA) under the American Restoration and Recovery Act (ARRA). QLH provided the loan reimbursement and compliance services.

The site was a 60-acre parcel purchased in the northwestern portion of the City’s service area. The new water supply and treatment facility was designed to produce a 2.9-million-gallon-per-day (MGD) annual average flow of potable water. The system consists of four 16-inch water supply wells, 1.3-MG ground storage tank with tray aerators, chemical feed equipment, high service pump station and an emergency power generator.

The wells produce 1,000 gallons-per-minute (GPM), each with 50-percent reserve capacity to allow for weekly well rotation. High service pumping includes three pumps each with a capacity of 1,600 GPM. Pump capacity serves regular daily demands and fire flows for the City’s service area. Water quality in the region is excellent and minimal treatment is required to produce high quality potable water at a very low cost per 1,000 gallons.

Project Data
- Completion: 2011
- Total cost: $2.86 million

Key Staff
- Brad Blais, PE – Design Project Manager
- Gary Wisniewski – Construction Services Manager

Services Provided
- Prepared all water supply studies
- Consumptive Use Permit (CUP) permitting services
- Siting studies
- Planning
- Permitting
- Funding
- Bidding
- Construction engineering and inspection

Contact: Keith Riger, PE
Public Services Director
City of DeLand
1102 South Garfield Avenue
DeLand, FL 32724
386-626-7197
AIRPORT ROAD FORCE MAIN & RECLAIMED WATER MAIN, CITY OF ORMOND BEACH – ORMOND BEACH, FLORIDA

QLH (now Mead & Hunt) prepared the City’s Utility Master Plan in 2008. One of the primary projects identified was a new sewage force main connecting the western service area to the WWTP. Another significant project involved constructing a reclaimed water transmission main to serve the western service area. QLH prepared planning, funding, design, permitting, bidding and construction engineering and inspection services.

Initial project phases included a four million-gallon reclaimed water storage tank and high service pumping station at the WWTP. Subsequent phases included approximately four miles of reclaimed water main and force main piping to convey sewage flow from the western service area and return reclaimed water to storage tanks and distribution systems in Breakaway Trails and Hunter’s Ridge. This project increased annual reclaimed water demand in by approximately two MGD.

This project consisted of a 16-inch force main replacement that was an extension of the North US 1 force main also designed by QLH. It parallels US 1 and Airport Road in Ormond Beach. The force main conveys flow from Hunter’s Ridge, Breakaway Trails and Destination Daytona, as well as all sewage flow west of the Tomoka River. The reclaimed main piping ranges in diameter from 12 to 24 inches and crosses the Tomoka River and Interstate-95. The project includes a series of two booster pumps and control valves to convey reuse to the western service area with approximately 20,000 linear feet of six-inch-diameter force main and 15,000 linear feet of reclaimed water main piping along US 1 and Airport Road.

QLH provided funding assistance and grant acquisition for this project. The City received a $6 million SRF loan and $1.3 million grant from St. Johns River Water Management District (SJRWMD) in support of this project.
WHITE ACRES UTILITY IMPROVEMENTS, CITY OF PORT ORANGE – PORT ORANGE, FLORIDA

White Acres is a subdivision with on-site sewage treatment and a mix of residential properties ranging from 0.2 to more than two acres. The City targeted the subdivision for a septic tank elimination. QLH (now Mead & Hunt) prepared a concept plan and conceptual costs along with an estimate of pollution abatement levels if installing a central gravity sewer system.

The existing stormwater system was also substandard and needed rehabilitation. The City asked QLH to design an improved drainage system to eliminate unsightly ditches and culverted driveway crossings. Over the years, the ditches had become over excavated, which resulted in standing water that could be a health hazard due to the septic system leaching into the ditches. The design recommended replacing the ditches with a piped drainage system.

This project was a wholesale retrofit of sanitary sewer, water distribution and stormwater facilities within an existing subdivision. It required public participation, community outreach, and involvement of multiple stakeholders. QLH staff provided comprehensive planning, design, permitting, grant application, public outreach and technical services during construction for this project. The City obtained grant funds from Florida Department of Environmental Protection (FDEP), St. Johns River Water Management District (SJRWMD) and Community Development Block Grants (CDBG).

Project Data
- Completion: March 2017
- Total cost (est.): $1.29 million

Key Staff
- Andrew Giannini, PE – Project Manager

Services Provided
- Planning
- Design
- Permitting assistance
- Services during construction
- Grant application and administration

Contact: Kenny Ho
Utilities Engineer and Construction Manager
City Of Port Orange
1000 City Center Circle
Port Orange, FL 32129
386-506-5754
CONSULTANT’S UNDERSTANDING
INTRODUCTION & OVERVIEW

Mead & Hunt is a municipal consulting firm that specializes in water resource planning, design and construction management. We have provided these services to Central Florida utility providers for nearly 50 years. We have been successful in this occupation by providing quality design services at a reasonable fee. The project managers and engineers who work on UCNSB’s projects are experienced professionals who have spent their careers in the water/wastewater industry.

Mead & Hunt is a medium-sized firm, but we have prepared more advanced treatment plant designs, facility upgrades and master plans in Central Florida than most of the larger firms we compete with. Why? How? Knowledgeable owners understand that national/international firms are less flexible than smaller, regional firms. Therefore, their design standards and templates do not allow for the level of creativity and diversification we offer. Conversely, many smaller firms do not have the personnel or experiences required to design and manage construction of complex treatment plant upgrades and conversions. **Mead & Hunt is a niche firm, we specialize in treatment plant design and are sought after to work on complex and unusual projects.**

For example, Mead & Hunt has completed the following innovative projects within Central Florida during the course of the past few years:

- Lower Floridan Aquifer (LFA), Reclaimed Water Aquifer Storage and Recovery (ASR) Well
- Class AA Solar, Sludge Drying Facility
- Integrated Fixed Film Activated Sludge (IFAS) Moving Bed Bioreactor (MBBR) Treatment Plant Conversions
- Oxidation Ditch Re-Rate Using Process Automation and Controls
- Stormwater Recovery, Treatment and Reuse Augmentation Facilities
- 25 kW Photovoltaic Solar Array for Supplemental Wellfield Power

These seven projects represent a small fraction of the water resource projects recently completed by Mead & Hunt, but they do illustrate the innovative and diverse nature of Mead & Hunt designs. The projects are regionally unique and/or one-of-a-kind, specifically the IFAS MBBR treatment facility and the LFA reclaimed water ASR well.

We offer a reputation for designing unique and successful projects. We also offer experienced project managers who have designed, permitted, bid and managed the construction of hundreds of water, wastewater and reclaimed water projects in Central Florida. Our corporate resume and list of clients compares favorably against the largest firms in the State. The difference is that the team working on UCNSB’s projects will be the same team that worked on the projects included in the corporate resume.
CONSULTANT’S UNDERSTANDING

APPROACH

WATER MAINS AND DISTRIBUTION
SYSTEM UPGRADES

Mead & Hunt produces water transmission, distribution, pumping and storage projects in an efficient and cost effective manner. We are familiar with the personnel who will permit your projects and the local contractors who will build them. Our own Subsurface Utility Engineering (SUE) personnel will provide assistance identifying the location of existing underground utilities.

Crowded right-of-way, communication infrastructure and the increased utilization of Horizontal Directional Drilling (HDD) demands that design plans and bid documents accurately reflect the presence and location of existing utilities. SUE techniques allow designers to obtain better information and produce more complete designs which reduces risk to utility owners.

After completing, survey and SUE investigations, the Mead & Hunt design team will pursue a traditional schedule of utility planning and design consists of the following:

- Conceptual alignment, sizing and route submittal.
- 30-percent design plans identifying plan view of proposed improvements and conflicts. All crossings, stub-outs and connections would be identified at this time. A list of required permits and affected utility contact information would be provided.
- 60-percent design plans identifying plan and profile view of all proposed and relocated utilities. Services to new and existing customers are shown. Valves, fittings, hydrants, open cuts, tie-ins, blow-offs and special construction areas are illustrated.
- 90-percent plans illustrate project plans, profiles, materials of construction, methods of repair and installation. Tabulation of pipe materials, valves, and fittings are included with a complete set of specifications. An engineer's probable cost is supplied, and permit applications and attachments are delivered to regulatory agencies and right-of-way jurisdictions.
- Final plans and specifications will be delivered in hard copy and digital format. Review comments from permitting agencies will be addressed and incorporated. The Council's bid number, dates, times and instructions will be apart of the final bid package.

WATER SUPPLY AND WATER TREATMENT
PLANT UPGRADES

Mead & Hunt has a broad range of experience designing water supply and water treatment plant improvement projects. Our project managers have prepared consumptive use permits and renewals for the majority of water producers in the County and have designed hundreds of wells throughout the region. We are currently drilling new test/production wells for a 2,000 acre wellfield west of SR 415 in SE Volusia County. Recent water treatment projects include:

- City of Ormond Beach Water Treatment Plant Upgrades
- City of DeLand, Tomoka Woods Wellfield and Water Plant
- City of Port Orange, Garnsey Water Treatment Plant Rehabilitation
- City of Deltona, Magdalena Avenue Water Treatment Plant and Odor Control
- City of Deltona, Sagamore and Courtland Water Treatment Plant Filtration
- City of Orange City, Stage II DBP Pilot Study
- City of Orange City, Water Treatment Plant Improvements
- City of Holly Hill, FY2013 Water Treatment Plant Improvements

Both Brad Blais and Kevin Lee served as project managers for the listed projects. Brad will manage your project. We believe that visiting other water treatment plant sites with similar equipment/facilities during this stage is an effective way to determine what design elements are desired. These site visits will be scheduled during the PDR stage, before 30-percent plans.
WASTEWATER TREATMENT

Mead & Hunt engineers began designing wastewater treatment plants for Largo and Cocoa Beach in 1968. Since that time, our engineers have successfully completed hundreds of projects similar to those listed above. Recent wastewater plant upgrade projects have been completed for the following clients: Cocoa, Cocoa Beach, Ormond Beach, Flagler Beach, DeLand, Deltona, Volusia County, Port Orange, Holly Hill, Brevard County and Edgewater.

Treatment projects include: anoxic/oxic and deep bed denitrification, 5-stage bardenpho oxidation ditch, moving bed bioreactors, and membrane bioreactors.

Our designs are among the most innovative, cost effective and operator friendly in the state. Mead & Hunt’s engineers and designers have spent their careers designing and constructing wastewater plants and understand what owners need and operators want. We offer comprehensive planning, design, funding, bidding and CEI services for every treatment-related project the UCNSB may undertake. We are also capable of implementing alternative delivery systems including design/build and CMAR. We know the UC’s facility and prepared the planning documents for improvements inside and outside of the fence. The designers and technicians designing your project will be the same people that see it through construction and startup. We know what works and how to best incorporate new technology into existing facilities. This includes the experience to design plant expansion projects that blend with the site and existing plant processes.

Mead & Hunt welcomes the opportunity to continue working with UC staff and improve your already excellent facilities.

The wastewater marketplace is highly competitive and manufacturer’s representatives are aggressive when it comes to the bid process. It’s important to have a consulting engineer who is knowledgeable and experienced in dealing with representatives. Consistency and detailed specifications are essential during the design and bid phase.

WASTEWATER COLLECTION SYSTEM AND LIFT STATION UPGRADES

Mead & Hunt completes approximately 20 wastewater collection and lift station replacement projects each year. The majority of recent projects are collection system rehabilitation jobs and dry-pit lift station conversions. Other wastewater collection system projects include sewer retrofits, force main upgrades and miscellaneous lift station upgrades.

Our staff regularly prepares Sanitary Sewer Evaluation Studies (SSES) using CCTV information and flow monitoring. We have established relationships with various regional contractors who perform cleaning and televising services. New technology by companies including CUES and Redzone Robotics improves the quality of video data and reduces the time needed to acquire information required for an accurate SSES.
RECLAIMED WATER STORAGE PROJECTS

Reclaimed Water storage can be accomplished using: ground storage tanks, reservoirs and aquifer storage and recovery (ASR). Mead & Hunt has successfully completed designs for all three. We have also completed numerous reuse pump station designs to accompany the storage projects.

The most common type of storage is ground storage using pre-stressed, composite concrete tanks. We have completed designs for over 50 storage tanks ranging in size from 1 MG to 10 MG. The design process for ground storage tanks is fairly straightforward; however, certain elements are critical. First, the geotechnical analysis is the most important aspect of the tank design. If total settlement or differential settlement is predicted to exceed allowable tolerances, subsurface stabilization is required. Mead & Hunt has utilized the following techniques:

- Overburden/pre-load soil on-site
- Lightweight concrete ‘fill’
- Grout injection
- Pilings

A second component is the use of flexible or ball-joint fittings for all pipe connections. Settlement will occur and provisions must be made for movement between the under tank piping and adjacent pipes.

Reclaimed water ASR is a new field; the long term potential for beneficial recovery is unknown at this time. If the technology proves viable, reclaimed water ASR will be the most economical method to store and recover large volumes of water.

The 18-inch to 1,300-foot-deep ASR well recently completed in Cocoa Beach cost approximately $2.5 million to construct, but the potential storage capacity is infinite. It also provides the benefit of wet weather disposal without the problems associated with surface water discharge or land application. Specific problems related to Total Maximum Daily Loads (TMDL’s) may limit nutrient loading on rapid infiltration basin (RIB) sites. Seasonal discharge of reuse can be stored in ASR wells until the next dry season.

STORMWATER AUGMENTATION

Mead & Hunt has designed stormwater augmentation and treatment systems. One method employed has been stormwater pond pumps which pump directly into the gravity collection system and controlled by remote telemetry. Other methods include incorporation into the existing treatment plant process or constructing an entirely new treatment train with chemical addition, filtration and disinfection. We have experience with all three. We have completed reuse augmentation designs for: Port Orange, DeLand, Winter Garden, Cocoa, Cocoa Beach and Edgewater.

Treatment is required when the stormwater source exceeds public access reclaimed water standards. Treatment trains can be constructed cost effectively and FDEP 319h grants are available to fund these projects.
IFAS media can decrease the aeration volume needed for BOD removal and nitrification. The remaining volume can be converted to anaerobic/anoxic zones to facilitate nitrogen removal. This can be accomplished within oxidation ditches. Mead & Hunt is the only firm to have constructed a plant using this technology in the State of Florida.

Process optimization/automation can be used to control the aerobic zones within an existing oxidation ditch. Extending the anoxic sections by monitoring oxidation reduction potential (ORP) has proven effective at increasing nitrate removal.

Structural addition, (i.e. tankage) is sometimes the most reliable and cost effective solution to achieve nitrate removal. Low horsepower mixers in anaerobic/anoxic zones can reliably improve a plant’s ability to remove soluble nitrate.

Submerged membranes have proven to be an effective means to meet limited site availability and maintain advanced nutrient removal; however, the cost and maintenance requirements are high. Mead & Hunt is currently serving as the construction manager for a 1.0-MGD membrane bioreactor (MBR) facility in Deltona.

Mead & Hunt has direct experience with all of the techniques described herein. We bring real world, practical experience to the task of completing the City’s wastewater treatment plant studies.
CONSULTANT’S UNDERSTANDING

BUDGET

STAYING WITHIN BUDGET

Mead & Hunt has an established history of controlling project costs and providing accurate cost estimates. Cost control starts during the planning phase and doesn’t end until the project is complete. We will develop a planning estimate for this project as to be included as part of the service provided.

During the design phase, the project managers will attempt to stay as close as possible to the City’s budget. We try to limit our professional fees to the best of our ability and use value engineering in order to keep project costs low. The projects we design will generally cost less than those designed by larger firms. The reason is our engineers understand the local contracting market and design for the East Central Florida environment. We do not maintain corporate design standards that must apply for every environment in the Country. We also avoid ‘over designing’ projects.

The final proof of accurate budgeting is the actual project bid results and how close the engineer’s estimate is to the bid. We generally try to be 10-percent above the actual bid in order to provide a contingency. Below is a list of 20 recent bids prepared by Mead & Hunt. The results shown demonstrate our accuracy.

<table>
<thead>
<tr>
<th>OWNER</th>
<th>PROJECT NAME</th>
<th>ENGINEERS ESTIMATE</th>
<th>BID AMOUNT</th>
<th>PERCENT DIFFERENTIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brevard County</td>
<td>South Central WWTP Expansion</td>
<td>$36,463,293</td>
<td>$38,074,000</td>
<td>4%</td>
</tr>
<tr>
<td>Brevard County</td>
<td>South Beaches WWTP Improvements 2015</td>
<td>$660,000</td>
<td>$882,000</td>
<td>34%</td>
</tr>
<tr>
<td>Brevard County</td>
<td>Pump Station S-07 Rehabilitation</td>
<td>$497,980</td>
<td>$440,339</td>
<td>-12%</td>
</tr>
<tr>
<td>Utilities Commission</td>
<td>Glencoe WTP Clarifier Replacement</td>
<td>$1,155,000</td>
<td>$767,000</td>
<td>-34%</td>
</tr>
<tr>
<td>City of Cocoa</td>
<td>Florida Avenue Streetscape</td>
<td>$2,935,102</td>
<td>$3,344,222</td>
<td>14%</td>
</tr>
<tr>
<td>City of Flagler Beach</td>
<td>South Central (3500 Block) Drainage Improvements</td>
<td>$60,000</td>
<td>$51,725</td>
<td>-14%</td>
</tr>
<tr>
<td>City of Ormond Bch</td>
<td>Laurel Creek SW Pump Station</td>
<td>$232,100</td>
<td>$199,000</td>
<td>-14%</td>
</tr>
<tr>
<td>City of Holly Hill</td>
<td>Lift Station #16 Rehabilitation</td>
<td>$343,200</td>
<td>$236,640</td>
<td>-31%</td>
</tr>
<tr>
<td>City of Holly Hill</td>
<td>Lift Station #12 Rehabilitation</td>
<td>$275,000</td>
<td>$229,350</td>
<td>-17%</td>
</tr>
<tr>
<td>City of Holly Hill</td>
<td>Water System Improvements Between US1 &amp; Riverside Dr Phase II</td>
<td>$323,754</td>
<td>$311,752</td>
<td>-4%</td>
</tr>
<tr>
<td>City of Holly Hill</td>
<td>Potable Water Well Generators</td>
<td>$150,000</td>
<td>$124,672</td>
<td>-17%</td>
</tr>
<tr>
<td>City of New Smyrna Beach</td>
<td>Golf Course Renovations and Improvements</td>
<td>$300,505</td>
<td>$345,257</td>
<td>15%</td>
</tr>
<tr>
<td>Brevard County</td>
<td>Lift Station V-01 and V-02 Pumping Stations</td>
<td>$854,502.00</td>
<td>$630,000</td>
<td>-26%</td>
</tr>
<tr>
<td>City of Deltona</td>
<td>Alexander Avenue RIBS Phase II</td>
<td>$450,615</td>
<td>$396,880</td>
<td>-12%</td>
</tr>
<tr>
<td>City of DeLand</td>
<td>Reclaimed Water Storage and Recovery</td>
<td>$1,204,445</td>
<td>$1,090,880</td>
<td>-9%</td>
</tr>
<tr>
<td>City of Port Orange</td>
<td>White Acres Utility Improvements</td>
<td>$1,338,882</td>
<td>$1,125,206</td>
<td>-16%</td>
</tr>
<tr>
<td>City of Ormond Beach</td>
<td>Lime Solo Dust Arrestor Replacement</td>
<td>$192,500</td>
<td>$188,000</td>
<td>-2%</td>
</tr>
<tr>
<td>City of Edgewater</td>
<td>East Thomas Street SW Improvements</td>
<td>$730,000</td>
<td>$717,695</td>
<td>-2%</td>
</tr>
<tr>
<td>City of DeLand</td>
<td>Wiley M. Nash WRF Aeration &amp; Instrumentation Upgrades</td>
<td>$460,000</td>
<td>$451,763</td>
<td>-2%</td>
</tr>
<tr>
<td>City of Holly Hill</td>
<td>US 1 Utility Undergrounding</td>
<td>$358,468</td>
<td>$290,630</td>
<td>-19%</td>
</tr>
<tr>
<td>City of Cocoa</td>
<td>Minutemen Causeway Water Main Relocations</td>
<td>$360,000</td>
<td>$224,180</td>
<td>-38%</td>
</tr>
</tbody>
</table>

AVERAGE DIFFERENTIAL -9%
STAFFING REQUIREMENTS
PROPOSED PROJECT TEAM

Mead & Hunt, is a full-service engineering firm that provides comprehensive engineering and architectural design, and construction engineering and inspection (CEI) services. The design team assembled for this RSQ response consists of local Mead & Hunt staff and specialty sub-consultants. A list of our employees, their qualifications, licenses/certifications and roles is included in this section. Also included herein is a list of the sub-consultants’ qualifications and roles.

Engineering support for the UCNSB will be provided out of Mead & Hunt’s Port Orange office. The office is home to approximately 30 full-time engineers, technicians, inspectors and administrative personnel. It served as headquarters for QLH since 1968 and now serves as the Florida hub for Mead & Hunt since the merger of the two firms in June 2017. QLH provided civil and water resource design and CEI services to central and northeast Florida utilities since 1964. The merger with Mead & Hunt significantly expands our staffing and capabilities to include all of the core engineering services listed in UCNSB RSQ # 10 -18.

The engineers and technicians who will serve the UCNSB are long-term employees familiar with local utilities, codes and contractors. We currently services Ormond Beach and Flagler Beach, in addition to 20-plus other local municipalities and utilities. Sub-consultants included on the design team for survey, hydrogeology and geological services are also familiar with the UCNSB and local utility service providers. The design team is familiar with the UCNSB project design requirements, standards and approval processes.

<table>
<thead>
<tr>
<th>ROLE</th>
<th>TEAM MEMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principal-In-Charge</td>
<td>Brad Blais, PE - Civil</td>
</tr>
<tr>
<td>Project Managers</td>
<td>Andrew Giannini, PE - Civil</td>
</tr>
<tr>
<td></td>
<td>Kevin Lee, PE - Civil</td>
</tr>
<tr>
<td>Project Engineers</td>
<td>David King, PE – Civil</td>
</tr>
<tr>
<td></td>
<td>Steve Danskine, PE – Civil</td>
</tr>
<tr>
<td></td>
<td>Bill Black, PE – Structural</td>
</tr>
<tr>
<td></td>
<td>John Hudock, PE, LEED AP – Electrical</td>
</tr>
<tr>
<td>Construction Services Manager</td>
<td>Gary Wisniewski</td>
</tr>
<tr>
<td>Sub-Consultants</td>
<td>Hydrogeological: Andreyev Engineering, Inc. (AEI)</td>
</tr>
<tr>
<td></td>
<td>Nicolas Andreyev, PE</td>
</tr>
<tr>
<td></td>
<td>Geologist: Connect Consulting, Inc.</td>
</tr>
<tr>
<td></td>
<td>David Robertson, PG</td>
</tr>
<tr>
<td></td>
<td>Biological: Biological Consulting Services, Inc.</td>
</tr>
<tr>
<td></td>
<td>Joe Young</td>
</tr>
</tbody>
</table>
A specific team has been assembled to address the services described in your scope of work. For unforeseen needs, Mead & Hunt can work with sub-consultants that have existing relationships with the Commission, or we will propose other specialized sub-consultants, if needed. The organization chart describes the proposed team we will use to address the scope of work. Resumes for key staff are included after the organization chart.
STAFFING REQUIREMENTS
RECENT, CURRENT & PROJECTED WORKLOAD

The current and projected workload of our team is such that we can provide immediate and responsive service to the UCNSB for this subject project. We are committed to maintain requisite staffing and providing high quality, professional service to the Commission for the duration of the project.

Our design team members have the flexibility to respond to changes in project manpower requirements. We can provide additional manpower as needed to meet the established schedule.

We have a long history of servicing few clients, but servicing them completely in our fields of expertise. Once we commit to a project, the project needs are our primary concern. The design team is an efficient group of highly motivated individuals. We have a demonstrated track record of providing the services requested in this RSQ. Mead & Hunt pledges to maintain the requisite staffing required at all times to meet the project schedule.

The graph below depicts our available staffing expressed in hours per week as it relates to projected workload. At this time, our staff can offer approximately 1,200 hours per week and projected workload illustrates that Mead & Hunt staff availability exceeds current commitments.
STAFFING REQUIREMENTS

STAFFING AVAILABILITY

The team proposed to provide services to the UCNSB has adequate time available to dedicate to the successful completion of the proposed projects. The chart below illustrates the availability of Mead & Hunt project managers and engineering.

<table>
<thead>
<tr>
<th>KEY PERSONNEL</th>
<th>CURRENT</th>
<th>IN 6 MONTHS</th>
<th>IN 12 MONTHS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brad Blais, PE</td>
<td>40%</td>
<td>60%</td>
<td>80%</td>
</tr>
<tr>
<td>Andrew Giannini, PE</td>
<td>30%</td>
<td>45%</td>
<td>55%</td>
</tr>
<tr>
<td>Kevin Lee, PE</td>
<td>20%</td>
<td>35%</td>
<td>50%</td>
</tr>
<tr>
<td>David King, PE</td>
<td>25%</td>
<td>40%</td>
<td>60%</td>
</tr>
<tr>
<td>Steve Danskine, PE</td>
<td>40%</td>
<td>60%</td>
<td>80%</td>
</tr>
<tr>
<td>Bill Black, PE</td>
<td>25%</td>
<td>40%</td>
<td>60%</td>
</tr>
<tr>
<td>John Hudock, PE, LEED AP</td>
<td>25%</td>
<td>40%</td>
<td>60%</td>
</tr>
<tr>
<td>Gary Wisniewski</td>
<td>40%</td>
<td>60%</td>
<td>80%</td>
</tr>
</tbody>
</table>
STAFFING REQUIREMENTS

KEY STAFF RESUMES

BRAD BLAIS, PE
PRINCIPAL-IN-CHARGE

Brad Blais specializes in water treatment, advanced wastewater treatment process design, and reclaimed water system planning and implementation. He is also responsible for utility master planning and regional water supply planning. In addition to serving as the Engineer-of-Record (EOR) for design of various water and utility related projects, he also manages construction and provides contract administration services for those projects. Brad specializes in grant and loan acquisition and has helped clients secure over $20 million in grants and $100 million in low interest loans since 2008. He has designed and supervised construction on a variety of wastewater collection, transmission, advanced wastewater treatment and an array of effluent disposal projects. He performs biological process design, hydraulic modeling, instrumentation and control design and layout. He has also prepared planning and design documents for a variety of raw water supply, water treatment, water storage, pumping and distribution projects.

WASTEWATER

Brad has designed and supervised construction of a variety of wastewater collection, transmission, advanced wastewater treatment and an array of effluent disposal projects. He performs biological process design, hydraulic modeling, instrumentation and control design and layout. For water and wastewater treatment projects ranging in size from 0.5-18.0 million gallons per day (MGD). Treatment processes include extended aeration, oxidation ditches, five-stage AWT, moving BEO bioreactions (MBBR) and membrane bioreactions (MBR).

RECLAIMED WATER

QLH staff pioneered reclaimed water production and utilization in Florida and Brad has planned and designed numerous reclaimed water storage and distribution facilities. This includes over 60 million gallons of storage tanks and pumping capacity and more than 100 miles of reclaimed water distribution mains. Storage primarily consists of above ground concrete tanks and excavated reservoirs. Pump stations are computer controlled variable speed facilities capable of meeting a wide range of demand conditions. The distribution networks are hydraulically modeled and designed to meet peak irrigation demand conditions.

WATER

Brad has prepared planning and design documents for a wide variety of raw water supply, water treatment, water storage, pumping and distribution projects. Public water supply is regulated in Florida by Water Management Districts under the Consumptive Use Permitting (CUP) process. Brad

Areas of Expertise
- Water treatment
- Advanced wastewater treatment process design
- Reclaimed water system planning and implementation
- Utility planning
- Construction management and administration
- Grant and loan acquisition

Education
- BS, Civil Engineering, North Carolina State University–Raleigh

Registration/Certification
- Licensed Professional Engineer – Florida

Papers & Presentations

Total Years of Experience
- 30
has negotiated CUPs for most of the utilities in Volusia County. He has designed and supervised construction for wellfield in the cities of Port Orange, Edgewater and DeLand. His project experience includes an array of treatment processes, ranging from simple aeration and disinfection to line softening, filtration and chemical stabilization.

UTILITY PLANNING

Brad’s utility planning experience is extensive. He has prepared utility master plans, regional water supply plans and feasibility studies for multiple cities, counties and private utilities. The planning documents have served as a foundation for most clients’ Capital Improvement Program (CIP).

CONSTRUCTION SERVICES

Brad has over 28 years of experience supervising construction of utility and civil projects. He has provided project management and construction engineering and inspection services for small projects and multi-million-dollar facilities. He is an effective communicator and negotiator who has a demonstrated track record of successfully managing project schedules and budgets.

RELATED PROJECTS

**Wastewater**
- Brevard County South Central WWTP, 12.0 MGD, Brevard County Utility Services – Brevard County, Florida
- Water Reclamation Facility Upgrades and Improvements, 6.0 MGD, City of Cocoa Beach – Cocoa Beach, Florida

**Reclaimed Water**
- 175 Acre Reclaimed Water Recharge Reservoir and Recovery System, City of Port Orange – Port Orange, Florida
- Reclaimed Water Storage and Distribution Systems, City of Cocoa Beach – Cocoa Beach, Florida

**Raw Water Supply**
- Central Recharge Area Wellfield Phase 3, City of Port Orange – Port Orange, Florida
- Tomoka Woods Wellfield Wastewater Plant, 3.0 MGD, City of DeLand – DeLand, Florida

**Treatment and Distribution**
- Garney Water Treatment Plant, 15.0 MGD, City of Port Orange – Port Orange, Florida
- Victoria Park Wellfield and Water Plant, City of DeLand – DeLand, Florida
ANDREW GIANNINI, PE
PROJECT MANAGER

Andrew Giannini specializes in stormwater retrofit and civil design in existing urban or rural development. He is adept at hydrodynamic modeling of complex drainage systems. Andrew also specializes in water and wastewater distribution system design and construction of these systems. Andrew’s duties include project management and engineer on various stormwater, civil and utilities projects. He currently serves as the city engineer for the Town of Ponce Inlet. Andrew has authored numerous stormwater master plans for several cities in Volusia County and has helped prepare many utility master plans.

Before joining the QLH/Mead & Hunt team in 2001, Andrew performed similar duties with other civil engineering firms in Volusia and Palm Beach County.

WASTEWATER

Andrew’s wastewater experience has included various collection systems and pump stations for new developments and existing where a system was never included. Andrew has designed and permitted regional pump stations and force main systems with pumps up to 70 horsepower in size and mains up to 18 inches in diameter.

RECLAIMED WATER

Andrew’s reclaimed water experience includes design and construction of over 8,000 linear feet of 12-, 16- and 20-inch reclaimed main for the City of Deltona, and an additional 27,000 linear feet of various size mains for Volusia County Utilities. He has also designed reclaimed water augmentation projects using stormwater and groundwater sources. The projects were incorporated into stormwater retrofit projects where detention ponds were added for drainage improvements.

WATER

Andrew’s water project experience includes rehabilitating wells, pumps and storage tanks. Andrew has designed and permitted numerous water transmission and distribution mains ranging from six inches to 24 inches in size. Many of the projects were constructed in existing developed areas where construction was a challenge.

Areas of Expertise
- Stormwater retrofit
- Stormwater master planning
- Civil site plan design and permitting
- Reclaimed water
- Hydrodynamic modeling
- Water and wastewater distribution design
- Project management
- Utility planning
- Construction services

Education
- BS, Engineering Technology, University of Central Florida–Orlando
- BS, Mathematics and Computer Science, Troy State University

Registration/Certification
- Licensed Professional Engineer – Florida

Memberships
- Florida Engineering Society
- National Society of Professional Engineers
- Florida Institute of Consulting Engineers
- American Water Works Association

Total Years of Experience
- 37
UTILITY PLANNING

Andrew has contributed to several utility master plan studies for evaluating existing systems and providing recommendations for long-term planning efforts. The master plans include utility capital improvement programs that help our clients find funding for the improvements. Andrew is adept at water and sewer system modeling and analysis, cost estimating and planning.

CONSTRUCTION SERVICES

Andrew has served as construction administration engineer on projects that exceed $10 million in construction costs. Projects he has administered include stormwater, roadway, civil site, structural and utility. Andrew is experienced with Florida Department of Transportation (FDOT) construction processes and standards, including Federal compliance procedures.

RELATED PROJECTS

- Williamson Boulevard Regional Lift Station Replacement, City of Port Orange – Port Orange, Florida
- Airport Road/Williamson Boulevard Widening Utility Relocation, City of Port Orange – Port Orange, Florida
- Multiple Lift Station Rehabilitations, City of Port Orange – Port Orange, Florida
KEVIN LEE, PE
PROJECT MANAGER

Kevin Lee specializes in water and wastewater treatment systems. His advanced wastewater treatment and nutrient removal experience includes computer modeling of biological systems to optimize the rated capacity of treatment facilities and/or upgrade the treatment level. Many of these treatment processes include process monitoring and controls to optimize biological nutrient removal.

Kevin currently serves as a project engineer for Mead & Hunt’s water and utilities group. His duties include project management and engineering on water resources projects. His experience ranges from planning, evaluation studies, conceptual design, permitting, design, construction administration, and inspection of the projects. Kevin has been the engineer-of-record and aided in the design of several upgrades at water and wastewater treatment plants.

WASTEWATER

Kevin has been involved in the design and permitting of several wastewater treatment plants including facilities operated by the Cities of Cocoa, Cocoa Beach, DeLand, Edgewater, Holly Hill, Port Orange, Utilities Commission of New Smyrna Beach and Volusia County. He acted as a design engineer for the process conversion for the City of Cocoa Beach’s Water Reclamation Facility (WRF) including mixed bed biofilm reactors and a reclaimed water aquifer storage recovery (ASR) well. Kevin was the engineer-of-record for a rehabilitation of the City of Edgewater’s wastewater treatment plant.

RECLAIMED WATER

Kevin’s reclaimed water experience includes system modeling and planning documents for City-wide distribution systems. Kevin has completed permitting to increase the storage level in the City of Port Orange’s 140-acre reclaimed reservoir. This permitting effort included a new surface water discharge from the reservoir to an adjacent wetland system for beneficial freshwater recharge. He has also participated in the design of a stormwater and surface water recovery project that included advanced treatment to remove total suspended solids for reclaimed water augmentation.

WATER

Kevin’s water supply design and permitting experience includes a wellfield expansion installing four wells with emergency power and contract administration for various Upper Floridan aquifer wells and a Lower Floridan aquifer well. He has designed several upgrades to existing water treatment plants and pump stations including: cartridge filters, lime slakers, thickener drives...
and high service pumps. He has completed four-log virus inactivation certification and associated process upgrades for the Cities of Flagler Beach, Holly Hill, Port Orange, two facilities operated by Volusia County, and the Utilities Commission of New Smyrna Beach. Kevin has also authored Consumptive Use Permit Renewals and Compliance Reports for more than five municipalities.

**UTILITY PLANNING**

Kevin’s utility planning experience includes authoring utility master plans, conditional use permit (CUP) renewals, compliance reports and Capital Improvement Program (CIP) planning assistance. The utility master plans have included population projections, raw water supply, reclaimed irrigation and aquifer recharge, water and wastewater treatment plant evaluations, treatment plant upgrade evaluations, collection system and distribution system layout and modeling. Planning documents included proposed capital projects with implementation schedule and estimated construction costs.

**CONSTRUCTION SERVICES**

Kevin gained field experience as a resident project representative for one year during the expansion and upgrade of the City of Holly Hill’s wastewater treatment plant. This field experience included most aspects of treatment plant design and construction: mechanical piping, equipment installation and replacement, construction of new and rehabilitation of existing structures, electrical and instrumentation. He has also provided contract administration services for projects ranging from replacement of 24,000 linear feet of water distribution pipe in an existing residential neighborhood, several lift station rehabilitations, potable well installations and treatment plant upgrades. His contract administration duties include presiding over coordination meetings, verifying pay applications, serving as a representative between owner and contractor, performing quality reviews and closing out contracts.

**RELATED PROJECTS**

- Water System Master Plan Update, City of Orange City – Orange City, Florida
- Wastewater Collection System Analyses, City of Port Orange – Port Orange, Florida
- Utility Master Plan Update, City of Ormond Beach – Ormond Beach, Florida
- Utility Master Plan, Utilities Commission of New Smyrna Beach – New Smyrna Beach, Florida
DAVID KING, PE  
PROJECT ENGINEER – CIVIL

David King specializes in water and wastewater conveyance systems including pump stations, storage, transmission, distribution and collection. David also specializes in general civil and stormwater design including retrofit stormwater, streetscape and other similar type projects.

David currently serves as a vice president and business unit leader of the water and utilities group for Mead & Hunt. His regular duties include project management and engineering on various civil, water resources, stormwater and other projects. He serves as City Engineer for Flagler Beach and Satellite Beach. David also oversees the Subsurface Utility Engineering (SUE) department at Mead & Hunt. For many of our clients, David provides program management services for their capital improvements programs.

SUBSURFACE UTILITY ENGINEERING (SUE)

David has coordinated SUE services for hundreds of utility projects over the past 25 years. David maintains active working relationships with nearly all utility company relocation representatives in East Central Florida area. As a designer of utility systems and having provided utility mapping services to many utility clients, David understands utility terminology, standards, construction techniques and materials. David has worked on numerous joint projects where utility relocation was conducted concurrently with county, city and FDOT roadway projects.

WASTEWATER

David’s wastewater experience has included various treatment facility improvements such as headworks rehabilitation, digester improvements, filter press additions, odor control improvements and effluent disposal projects. David has experience with collection systems including gravity pipelines up to 18 inches in diameter, pump stations up to 150 horse power and force mains up to 24 inches in diameter.

RECLAIMED WATER

David’s reclaimed water experience has included storage projects such as ground storage tanks up to five million gallons, reservoirs up to 175 acres, aquifer storage and recovery systems. David’s pumping and distribution experience includes pump stations up to 150 horse power and pipelines up to 24 inches in diameter. David also has experience in augmentation projects using stormwater and groundwater augmentation sources using surface water intake systems, underground storage facilities and horizontal and vertical wells.

Areas of Expertise

- Project management
- Water and wastewater conveyance systems
- General civil and stormwater design
- New and retrofit stormwater management systems
- Subsurface utility engineering
- Wellfield development and raw water pipelines
- Program management for capital improvement programs

Education

- BS, Civil Engineering, University of Central Florida–Orlando

Registration/Certification

- Licensed Professional Engineer – Florida

Memberships

- Florida Engineering Society (Past Chapter President)
- American Society of Civil Engineers (Past Branch President)
- Florida Institute of Consulting Engineers
- Florida Stormwater Association
- American Water Works Association

Total Years of Experience

- 26
WATER

David’s water experience has included wellfield development and raw water pipelines up to 48 inches in diameter along with various treatment plant improvements such as filter improvements, disinfection system improvements, aquifer storage and recovery storage, and other improvements. David’s storage and transmission experience includes ground storage tanks to five million gallons, pump stations to 250 horsepower and pipelines up to 54 inches in diameter. David is also experienced in water distribution having designed many water distribution projects, many of which were water main replacements of aged, deteriorated existing water mains.

UTILITY PLANNING

David’s utility planning experience has included asset evaluation and management studies, distribution and collection system modeling, facility plans for funding acquisition and bond system evaluation reports. He has also helped many of Mead & Hunt’s current and past clients with their utility capital improvements programs (CIP) and in some cases, program management of such CIPs.

CONSTRUCTION SERVICES

David’s construction services experience has included projects up to $10 million including multidiscipline projects involving civil, structural, electrical, mechanical, plumbing, and other trades. His is experienced with Florida Department of transportation (FDOT) construction standards and Federal compliance procedures. David’s construction project management experience is extensive and includes design-build and other non-conventional delivery methods.

RELATED PROJECTS

- Morningside Subdivision Sewer System, City of Flagler Beach – Flagler Beach, Florida
- Force Main Modelling, City of Cocoa – Cocoa, Florida
- State Road 520 Force Main and Reclaimed Water Main Construction Phase Services, City of Cocoa – Cocoa, Florida
- Williamson Boulevard Utility Relocations and Replacement, City of Port Orange – Port Orange, Florida
- Hand Avenue Force Main, City of Ormond Beach – Ormond Beach, Florida
- Lift Station Improvements, City of Cocoa – Cocoa, Florida
STEVE DANSKINE, PE, CFM
PROJECT ENGINEER – CIVIL

Steve Danskine is a professional engineer experienced in civil and environmental engineering. He is certified in floodplain management in both the private and public sector. He fills multiple roles in civil infrastructure, site development, stormwater treatment and flood mitigation projects. Steve’s work with municipalities and private consulting firms on permitting enabled him to develop professional stability while adapting to meet economic, administrative and regulatory changes. He is experienced in all phases of civil engineering including planning, scheduling, budgeting, permitting, construction cost estimating, bid advertisement, addendum preparation, bid and bidder evaluation, contract award, shop drawing and submittal review, change order and pay request processing, construction oversight, and substantial and final completion inspections.

RELATED PROJECTS

Creative Arts Café Septic System Replacement
City of Lake Helen
Lake Helen, Florida

As the project engineer, Steve provided civil engineering design and permitting services to replace an existing septic system. The project required re-examining the proposed activities of the café and working with the health department and contractor to configure and relocate the system.

Site Civil Design and Permitting Services for Corbett-Westlake Transmission Line
FPL
Loxahatchee, Florida

Steve was the project engineer who provided civil engineering design services for access roads, tower construction and associated best management practices (BMPs) for stormwater management and sediment and erosion control for a power transmission corridor in southern Florida.

Site Civil Design and Permitting Services for Pellicer–St. Johns Transmission Line
FPL
St. Johns County, Florida

Steve was the project engineer who provided civil engineering design services for access roads, tower construction, and associated best management practices (BMPs) for stormwater management and sediment and erosion control for a power transmission corridor in southern Florida.

Areas of Expertise

- Civil engineering design (grading, drainage, paving, utilities)
- Stormwater management system design
- Flood mitigation
- Water and sanitary sewer system design permitting
- Construction administration

Education

- BS, Environmental Science, University of Florida

Registration/Certification

- Licensed Professional Engineer – Florida
- Certified Floodplain Manager
- OSHA HAZWOPER

Memberships

- Florida Engineering Society
- Florida Floodplain Managers Association

Total Years of Experience

- 19
Millender Boat Ramp Parking  
**City of Carrabelle**  
*Carrabelle, Florida*

Steve was the project engineer responsible for coordinating geotechnical evaluation, parking lot layout and design and pervious pavement design to achieve stormwater treatment requirements and meet Northwest Florida Water Management District requirements. Steve worked alongside and coordinated with the community redevelopment agency to provide boat trailer parking for the Marine Street boat ramp.

Calvary Christian Center Site Development Engineering  
**Calvary South Church**  
*New Smyrna Beach, Florida*

Steve was the project manager who provided site development services including site design and site plan review by local municipality. Permitting was completed through the St. Johns River Water Management District (SJRWMD) and the City of New Smyrna Beach. Steve provided construction oversight, coordinated with the architect and performed other site civil engineering work to redevelop the commercial site.

St. Johns Bluff Branch Site Development Engineering  
**Navy Federal Credit Union**  
*Jacksonville, Florida*

Steve was the project manager who provided site development services including site design and site plan review by local municipality. Permitting was completed through St. Johns River Water Management District (SJRWMD) and the City of Jacksonville, Florida. Steve provided construction oversight, coordinated with the architect and performed other site civil engineering work to expand the existing branch.

4th Street Boat Ramp  
**City of Carrabelle**  
*Carrabelle, Florida*

Steve served as the project engineer responsible for quality assurance/quality control (QA/QC) plans, specifications and construction documents for the design and reconstruction of an existing boat ramp and dock.

Pleasant Avenue Sidewalk Project  
**City of Lake Helen**  
*Lake Helen, Florida*

Steve was responsible for the design, permitting and construction oversight approximately 2,500 linear feet of new sidewalk and stormwater swale for the Community Development Block Grant (CDBG) project in coordination with the city and Volusia County. ■
BILL BLACK, PE  
PROJECT ENGINEER – STRUCTURAL  

Bill Black has more than 25 years’ experience in structural engineering, geotechnical engineering, and construction. He has a strong reputation within the firm for solving challenging technical problems. Bill also provides project management for selected projects. His experience with different types of clients and projects includes buildings, bridges, dams and hydroelectric projects, ports and waterfront structures, aviation facilities, healthcare, mining and mineral processing, manufacturing and distribution, water and wastewater.

RELATED PROJECTS  

**New Water Treatment Facility**  
City of Marinette  
Marinette, Wisconsin  

Bill is the structural engineer of record and construction project manager for this project. The project consists of an entirely new water treatment facility, maintenance garage, and offices for the water utility. The process building features a great deal of cast-in-place concrete as well as pre-cast concrete walls and framing. The water tanks were specially designed to meet the requirements of ACI 350 Design Requirements for Environmental Structures. The site grade is only a few feet above lake level and the base of the new tanks are 18 feet below grade. Bill designed a system of well points to dewater the entire site to allow construction below grade. The office building consists of structural steel framing and masonry.

**Phase 3 Downstream Fish Passage**  
Eagle Creek Renewable Energy  
Menominee, Michigan  

This project involves reconfiguring the hydro intake structures to accommodate new trash racks with narrower clear spacing and a smaller angle of inclination. The project also included adding a trash rack cleaning machine and converting an abandoned fish ladder into a downstream fish passage structure with an adjustable floor to regulate discharges into the bypass structure. Bill was the structural engineer responsible for designing the improvements and modifications to the structure and foundations.

**New Offices and Maintenance Garage**  
Department of Public Works  
East Lansing, Michigan  

Working for the architectural/engineering firm, Bill acted as the structural EOR for this project. This facility featured an office building and locker rooms attached to a large maintenance garage. The maintenance garage featured a heavy duty service bay with vehicle lifts and a bridge crane. The facility also included a salt/sand storage building, vehicle wash station and refueling station. The location of this facility was problematic as it was sited in a flood plain.

Areas of Expertise  
- Structural engineering  
- Finite element analysis  
- Seismic evaluation and retrofit  
- Soil improvements  
- Deep foundations  
- Quality assurance  
- Cost estimating  
- Construction inspection  
- Welding inspection

Education  
- BS, Civil Engineering, Michigan Technological University  
- Graduate Level Business Courses, Grand Valley State University

Registration  
- Licensed Professional Engineer – Arkansas, Florida, Georgia, Indiana, Kansas, Maryland, Michigan, Missouri, Mississippi, New York, North Carolina, Ohio, Oklahoma, Pennsylvania, South Carolina, Texas, Utah, Vermont, Virginia, Washington, Wisconsin, Wyoming

Total Years of Experience  
- 26
on an area of compressible soils. Bill worked closely with the geotechnical engineer to create a solution which used stone columns to densify the compressible soils and provide bearing on denser soils below. The grid of stone columns was then covered with geotextile and several feet of engineered fill to provide a stable base for buildings and pavements. This project was completed while Bill was with a previous firm.

**New Office Buildings**  
**Chrysler Technology Center, Buildings 18 and 19**  
**Auburn Hills, Michigan**

Working for the structural steel fabricator and erector, Bill acted as project engineer, responsible for coordination and preparation of shop drawings, steel purchasing, and fabrication management. This work included design of connections, supervision and coordination of multiple detailers. Bill was also responsible for quality control and coordination with the EOR. Due to the fast tracked nature of this project, Bill met weekly with the construction manager and eOR to facilitate timely review and approval of shop drawings and resolve issues in a timely manner. This work also included coordination between four different steel fabricators. One fabricator was responsible for the columns, one was responsible for beams, one for interstitial and miscellaneous steel, and one for stairs. Beams and columns were purchased directly from mills and shipped to the appropriate fabricators by rail or truck. This project was completed while Bill was with a previous firm.

**Public Works Vehicle Storage Garage**  
**Grand Rapids, Michigan**

This building was to be sited near the Grand River and directly over a 12-foot-wide brick-arch sewer trunk line which was still in use. The top of the sewer trunk was approximately eight feet below grade. Bill designed a system of auger-cast piles and grade beams to bridge across the sewer trunk line. The 14 inch diameter auger-cast piles were founded in alluvial sand and gravel. The floor slab was designed to carry HS-20 truck loading and span across the grade beams. This project was completed while Bill was with a previous firm.

**New Environmental Containment Shed and Bag House**  
**Bethlehem Steel Coke Ovens**  
**Bethlehem, Pennsylvania**

Bill was part of the structural steel fabrication and erection team that built a new environmental containment shed and bag house over operating coke ovens and a railroad. Bill provided construction engineering and supervision. The project involved ground assembly on site followed by large assembly lifts scheduled between trains and other production activities. Large scale trusses required coordinated simultaneous lifting with three cranes. This project was completed while Bill was with a previous firm.
JOHN HUDOCK, PE, LEED AP  
PROJECT ENGINEER – ELECTRICAL

John Hudock is an electrical engineer with more than 15 years of design and construction experience related to facility power, lighting, fire alarm and on-site power generation system design. He has led the electrical design efforts for new and remodel projects ranging in size from 2,000 square feet up to one million square feet spanning a variety of markets including healthcare, higher education, industrial, wastewater and commercial. John enjoys working with clients and team members to design on-time and within budget projects meeting the client’s needs.

RELATED PROJECTS

**Access Control and Gates**  
**Sawyer International Airport**  
**Gwinn, Michigan**

John served as the electrical engineer for the project that consisted of designing a wireless access control system at the perimeter gates for the airport. Wireless transmitters were utilized at each gate to provide a signal to two wireless receivers that open gates upon validation of credentials via card readers. Underground loop systems were installed to close the gates upon passing through. All gate motors were upgraded. Two new electrical services were installed at two remote gates to upgrade from manual to electric.

**Parking Lot/Walkway Canopy System**  
**Roanoke-Blacksburg Regional Airport**  
**Roanoke, Virginia**

John served as the electrical engineer for this project. The scope of this project was to construct a new, wider sidewalk with a partially enclosed steel canopy structure. A new electrical was brought in to power the canopy lighting system and allows for future expansion of gates and walkway canopy structures.

**Civil Engineering Building 29 Renovation**  
**Missouri Air National Guard**  
**St. Louis, Missouri**

John was the electrical engineer for the project that consisted of alteration and repair of a 115-year-old historic structure. The electrical system design included complete replacement of the existing distribution system including new generator/automatic transfer switch, lighting, lightning protection system and combination fire alarm/mass notification system.

**Replace Training Facilities, Camp Ripley**  
**Minnesota Army National Guard**  
**Little Falls, Minnesota**

Electrical Engineer. Military construction funded, fast-track project to replace four facilities due to tornado damage. Designing re-work of base's

Areas of Expertise

- Medium and low-voltage distribution systems design
- On-site power generation system design
- Fire alarm system design
- Coordination studies
- Arc flash studies
- Historic renovations

Education

- BS, Architectural Engineering, Milwaukee School of Engineering

Registration/Certification

- Licensed Professional Engineer – Wisconsin, Iowa, Illinois Indiana, Florida, California, South Carolina, Georgia, Kansas, Minnesota, Montana, North Carolina, North Dakota, Oregon, Virginia
- NCEES Certified
- LEED Accredited Professional

Memberships

- Wisconsin Society of Professional Engineers

Total Years of Experience

- 14
existing medium voltage distribution system to allow for installation of four
new medium voltage transformers. Also included design of lighting, lighting
controls, power distribution and fire alarm/mass notification. Design sched-
uled to be completed in 2017 and construction to be complete in 2019.

Repair Building 6922 for Cyber Ops
Battle Creek Air National Guard
Battle Creek, Michigan
John was the lead electrical engineer for this project that project consisted
of the alteration and repair of an existing 23,000-square-foot administrative
facility including 10,400 square feet of sensitive compartmented informa-
tion facility (SCIF) spaces. Electrical work includes a new 250-kW diesel
generator, data center with UPS, upgrading existing interior lighting to LED,
new combination fire alarm/mass notification system and revising existing
electrical distribution system to accommodate new alterations.

Nakoosa Trail Fleet/Fire/Radio Shop Facility
City of Madison
Madison, Wisconsin
John was the lead electrical engineer for this project that consisted of a
new 108,000-square-foot fleet/fire/radio shop facility. The facility contains
separate light duty and heavy duty maintenance bays, administration areas,
office space, workout room, break room and associated storage spaces.
Electrical work includes a new 480Y/277V, 2000A service and associated
distribution system, central lighting inverter and associated panels, interior
and exterior LED lighting and fire alarm system.

Readiness Center Renovations
Milwaukee National Guard – Department of Military Affairs
Milwaukee, Wisconsin
John was the lead electrical engineer for this project that consisted of the
alteration and repair of 45,000 square feet of an existing armory along with a
1,500-square-foot new mechanical room addition. Electrical work included
upgrading the existing interior and exterior lighting to LED, a new combina-
tion fire alarm/mass notification system, replacement of existing branch
circuit panelboards and adding to the existing electrical system to accom-
modate the new HVAC system.

Corporate Office Building
Organic Valley
La Farge, Wisconsin
This project consisted of a new 100,000-square-foot corporate office build-
ing along with a data center with future accommodations for up to 18 racks.
Electrical work included on-site power generation, power distribution, light-
ing, fire alarm, communications and security. John led the electrical effort
from design through construction administration. Work on this project was
completed when John was employed with another firm.
GARY WISNIEWSKI
CONSTRUCTION SERVICES MANAGER

Gary Wisniewski is an experienced field inspector who supervises the Port Orange office construction management group with a staff of 12 field inspectors and a full construction administration staff. His responsibilities include supervising projects; resolving field conflicts; and reviewing pay requests, testing results and as-built drawings. His staff is responsible for inspecting public works, utility and building projects for the cities of Cocoa, Cocoa Beach, DeLand, DeBary, Edgewater, Holly Hill, Flagler Beach, South Daytona, Deltona, Daytona Beach, Ormond Beach, Port Orange, New Smyrna Beach, Brevard and Volusia Counties, as well as subdivision and site inspections for work performed by private developers within the cities of Port Orange, Edgewater and Ponce Inlet. Gary and his staff have performed building inspections and plan review for the Town of Ponce Inlet, cities of Edgewater, Port Orange, South Daytona, Lake Helen Holly Hill, Deland, New Smyrna and Flagler Beach.

Gary’s duties also include construction engineering and inspection (CEI) for many of the firm’s major projects. Recent project examples include: $24m membrane bioreactor (MBR) in Deltona Roadway Construction and Realignment for Volusia County, Reclaimed Water Storage and Pumping for the City of Daytona Beach and a variety of utility and public works projects and programs.

He is a licensed general contractor and chief building officer with over 40 years of inspection and construction MGT experience. Gary Wisniewski’s knowledge of the Florida and international building codes is extensive and he possesses all necessary credentials to practice as both a building code administrator and a CEI manager. His experience is in both areas of practice covering utility, roadway, treatment process and vertical construction for municipal, federal and private projects.

Related Projects
- Utility Master Plan, City of Port Orange – Port Orange, Florida
- Utility Master Plan Update, City of Ormond Beach – Ormond Beach, Florida
- Utility Master Plan, Utilities Commission of New Smyrna Beach – New Smyrna Beach, Florida
- Utility Master Plan, City of DeLand – DeLand, Florida
- Utility Master Plan, City of Holly Hill – Holly Hill, Florida
- Wastewater System Facility Plan, City of Cocoa Beach – Cocoa Beach, Florida
- Stormwater Master Plan, City of Port Orange – Port Orange, Florida

Areas of Expertise
- Field investigation
- Electrical engineering
- Construction inspection
- Construction management

Office Location
- Port Orange, Florida

Education
- Graduate of Municipal Training Institute, Pittsburgh Urban Public Works Administration, Pittsburgh, Pennsylvania
- Daytona State College, Building Tech Program

Licenses
- Florida General Contractor
- Building Code Administrator
- Plans Examiner PX2075 (Elec, Plumbing, Mech, Bldg)
- Building Inspector Coastal, One & Two family, (Bldg, Elec, Mech, Plumbing)
- Home & Wind Mitigation Inspector

Certifications/Licenses
- ICC Electrical Code Official #5166779-E6
- ICC Electrical Plans Examiner #040S
- ICC Commercial Electrical Inspector #5166779-E2
- ICC Commercial Electrical Inspector

Total Years of Experience
- 42
Mr. Robertson has over 32 years of experience as a licensed Professional Geologist (PG) and hydrogeologic consultant responsible for the technical, financial and administrative management of numerous water resources projects and environmental assessment and remediation projects in Florida, the Bahamas, the Caribbean Basin, and Latin America.

**Education**
BS in Geology, 1986, Florida Atlantic University

**Employment History**
2006 to present - Connect Consulting, Inc., Senior Hydrogeologist
1988 to 2006 - Arcadis/Blasland, Bouck and Lee, Inc., Associate/Office Manager
1986 to 1988 - U.S. Biosystems, Inc., Field Geologist

**Experience**
Mr. Robertson has been based in Florida throughout his professional career and is currently working on water resource projects throughout Florida, the Bahamas, and the Caribbean basin. Previously, Mr. Robertson managed a 25-person office focused on water resources and environmental assessment/remediation consulting with projects in Florida, the Bahamas, the Caribbean Basin, and Central America.

**Well Field Development / Water Resources**
Mr. Robertson is currently involved with several turnkey water supply projects, well field expansion projects, and Consumptive/Water Use Permit (CUP/WUP) projects in Florida, the Bahamas, and the Caribbean. Project activities include well design and construction, aquifer performance testing, ground water modeling, impact analysis and hydrogeologic report preparation. Over the past 26 years, Mr. Robertson has been involved with numerous water supply planning and exploration projects, completed numerous Consumptive/Water Use Permit applications including the development of supporting ground water models.

**Deep Injection Wells**
Mr. Robertson is currently involved in and/or participating in several deep injection well projects. Project activities include design, permitting, construction and testing oversight, water quality, aquifer performance testing, and Hydrogeologic report preparation. Experienced in developing specifications and procedures for Mechanical Integrity Testing in accordance with Underground Injection Control requirements of the U.S. Environmental Protection Agency and the Florida Department of Environmental Protection.

A partial list of clients that Mr. Robertson has worked for included the following:
- FGUA Lehigh Acres, FL
- Town of Lantana, FL
- City of Cocoa, FL
- Coral Springs Imp. District, FL
- Seminole County, FL
- City of Labelle, FL
- City of Palm Coast, FL
- Town of Davie, FL
- Volusia County, FL
- City of West Palm Beach, FL
- City of Pembroke Pines, FL
- City of Edgewater, FL
- City of Deerfield Beach, FL
- Consolidated Water Company: Bahamas, Cayman Islands, Belize
- City of Ft. Pierce, FL
- Caribbean Desalination Association

**Professional Licenses / Memberships**
- Professional Geologist - Florida License No. 1625
- Professional Geologist - Alabama License No. 429
- Florida Section American Water Works Association
- Florida Association of Professional Geologists
- Southeast Desalting Association
- Caribbean Desalination Association
NICOLAS E. ANDREYEV, P.E.
President

BUSINESS RESIDENCE: 4055 St Johns Parkway
Sanford, Florida 32771

EDUCATION: Master's of Science in Environmental Engineering
Bachelor of Science, Civil Engineering (Geotechnical)
University of Maryland; Maryland 1980

REGISTRATIONS: Professional Engineer, Florida Registration #35459

YEARS OF EXPERIENCE: 34

Mr. Andreyev has a long experience in the planning, investigation and assessment of groundwater systems, modeling of groundwater flow and contaminant transport and characterization of both large and small hydrogeologic systems in Florida and internationally. Typical hydrogeologic projects include effluent disposal design and modeling, specific impact and cumulative impact assessments for regional water supplies, water balance analyses, spring flow modeling, wetland water level modeling, lake and rivers effects modeling, lake-wetland interaction assessment and numerous other surface water and groundwater interaction systems assessment and modeling.

Mr. Andreyev has successfully completed over 1,000 projects associated with characterization of soil and groundwater conditions of shallow and deep aquifers, foundation analysis, sinkhole assessment and stabilization, modeling of surface and groundwater flow and assessment of effluent disposal systems and water/groundwater quality.

Working in Central Florida since 1980, Mr. Andreyev has conducted projects of varying complexity and uniqueness. A sample of projects include:

**The Villages of Sumter, Sumter County, Florida:** Water supply planning and permitting included regional characterization of aquifer system, site specific aquifer performance testing, regional water balance and modeling of aquifer recharge and long term withdrawal impacts.

**West Volusia Water Suppliers, Volusia County, Florida:** Transient regional groundwater model was development for the municipal water suppliers in the region, including Volusia County, City of DeLand, City of Deltona and Orange City. The final model was used to assess future impacts on local area lakes, wetlands, spring flows and other legal water users.

**City of Winter Garden, Orange County, Florida:** Multiple projects over the last 15 years included reclaimed water master plan development, interlocal agreements with City of Ocoee to reuse reclaimed water, detailed evaluation of existing rapid infiltration basins (RIBs) for wet weather effluent disposal, regional modeling of well withdrawals and beneficial recharge, wetland impact analysis and development of long term monitoring plan for the region.
Joe H. Young III, Estuarine Field Biologist
Biological Consulting Services, Inc.

Employment Highlights

1990 - Present
Biological Consulting Services, Inc., New Smyrna Beach, Florida
Estuarine Field Biologist, President

Mr. Young established Biological Consulting Services, Inc. in July 1990 and serves as the Principal/Estuarine Field Biologist where he is in charge of environmental assessments, development of regional impacts assessments, jurisdictional wetland delineations, environmental permitting assistance, aerial photography interpretation services, vegetation mapping, protected species surveys and relocations, legal testimony, wetlands mitigation design and monitoring.

1986-1990
Ecoshores, Inc., Port Orange, Florida
Field/Estuarine Biologist

Served as project coordinator for environmental impact assessments, development of regional impact assessments, jurisdictional wetland delineations, environmental permitting assistance and assistance for engineer submittals, aerial photography interpretations, vegetation mapping, protected species surveys and relocation, wetlands mitigation design, and legal testimony.

1985-1986
Florida Department of Environmental Protection, Orlando, Florida
Bioligist

Responsible for dredge and fill permitting and jurisdictional determinations in Volusia County.

Education

Mr. Young earned a Bachelors of Science degree in Interdisciplinary Sciences from the University of West Florida in 1984 (major science - marine biology, minor sciences - chemistry and earth sciences). Mr. Young additionally earned Associate of Arts degrees in Marine Biology and Greenhouse Horticulture from Pensacola Junior College in 1978.

Certifications

U.S. Army Corps of Engineers Wetland Delineator Certification Training Program
Florida Fish & Wildlife Conservation Commission Authorized Gopher Tortoise Agent - Permit No. GTA-09-00127C
City of Palm Coast Qualified Environmental Professional (QEP) Contractor ID: 18252

Memberships

National Association of Environmental Professionals
Florida Association of Environmental Professionals
Association of State Wetlands Managers
Volusia County Association for Responsible Development
Society of Wetland Scientists
LOCATION

Mead & Hunt has 30 employees in our Port Orange office, which is nine miles away from the Utilities Commission of New Smyrna Beach. As the prime consultant, we will be directly responsible to the Utilities Commission of New Smyrna Beach.
FINANCIAL RESPONSIBILITY

Mead & Hunt, Inc. is a financially stable firm. We have the necessary resources, human and financial, to continue providing services at the level required by the Utilities Commission. Mead & Hunt's Dunn & Bradstreet number is 06-686-2558. Below please find the Good Standing Financial Reference Letter from JP Morgan Chase Bank, N.A.

January 16, 2018

To Whom It May Concern

RE: Mead & Hunt, Inc.

Dear Sir/Madam:

Please be advised that Mead & Hunt, Inc. (the "Company") has been a customer of JPMorgan Chase Bank, N.A. (the "Bank") since 1986. The Company currently maintains a line of credit with the Bank with a commitment of a medium seven figures with average outstanding of a low six figures. The Company also maintains its primary deposit and savings accounts with the Bank, which has averaged a moderate seven figures. All accounts have been handled as agreed.

The Bank holds the Company and its management in high regard and views the Company as a highly-valued customer.

If you have any questions, please do not hesitate to contact me at 262-317-3170.

Sincerely:

Jane M. Stava
Authorized Officer

Commercial Banking • W12-1932, 14900 W Capitol Dr, Brookfield, WI 53005-2600
**INSURANCE**

**COMMERCIAL GENERAL LIABILITY CERTIFICATE**

**CERTIFICATE OF LIABILITY INSURANCE**

<table>
<thead>
<tr>
<th>MEADHU1</th>
<th>OP ID: CT1</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRODUCER</td>
<td>608-257-3795</td>
</tr>
<tr>
<td>CONTACT</td>
<td>Phil Hausmann, CIC</td>
</tr>
<tr>
<td>PHONE</td>
<td>608-257-3795</td>
</tr>
<tr>
<td>ADDRESS</td>
<td>Travelers Casualty &amp; Surety</td>
</tr>
<tr>
<td>USE</td>
<td>19038</td>
</tr>
</tbody>
</table>

**PRODUCER**

<table>
<thead>
<tr>
<th>Hausmann-Johnson Insurance Inc</th>
</tr>
</thead>
<tbody>
<tr>
<td>700 Regent St. PO Box 259408</td>
</tr>
<tr>
<td>Madison, WI 53725-6408</td>
</tr>
<tr>
<td>Phil Hausmann</td>
</tr>
</tbody>
</table>

**INSURED**

<table>
<thead>
<tr>
<th>Mead &amp; Hunt, Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>M&amp;H Architecture, Inc</td>
</tr>
<tr>
<td>Mead &amp; Hunt Companies, Inc</td>
</tr>
<tr>
<td>Mead &amp; Hunt International, Inc</td>
</tr>
<tr>
<td>24400 Daming Way</td>
</tr>
<tr>
<td>Middleton, WI 53562-1562</td>
</tr>
</tbody>
</table>

**COVERAGES**

<table>
<thead>
<tr>
<th>CERTIFICATE NUMBER:</th>
<th>REVISION NUMBER:</th>
</tr>
</thead>
<tbody>
<tr>
<td>THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES, LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>INSURED LIAB</th>
<th>TYPE OF INSURANCE</th>
<th>AGGREGATE LIMIT APPLIES PER:</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMMERCIAL GENERAL LIABILITY CLAIMS-MADE</td>
<td>X OCCUR</td>
<td></td>
</tr>
<tr>
<td>GENL. AGGREGATE LIMIT APPLIES PER:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>POLICY</td>
<td>X LOC</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>X</th>
<th>COMMERCIAL GENERAL LIABILITY CLAIMS-MADE</th>
<th>OCCUR</th>
</tr>
</thead>
<tbody>
<tr>
<td>12/01/2017</td>
<td>12/01/2018</td>
<td></td>
</tr>
<tr>
<td>P93505656013TBL17</td>
<td>EACH OCCURRENCE DAMAGE TO RENTED PROPERTY (x250,000)</td>
<td></td>
</tr>
<tr>
<td>1,000,000</td>
<td>300,000</td>
<td></td>
</tr>
<tr>
<td>MED EXP (Any one person)</td>
<td>10,000</td>
<td></td>
</tr>
<tr>
<td>PERSONAL &amp; ADV INJURY</td>
<td>1,000,000</td>
<td></td>
</tr>
<tr>
<td>GENERAL AGGREGATE</td>
<td>2,000,000</td>
<td></td>
</tr>
<tr>
<td>PRODUCTS - COMPOUND AGG</td>
<td>2,000,000</td>
<td></td>
</tr>
<tr>
<td>OTHER:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>X</th>
<th>AUTOMOBILE LIABILITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>ANY AUTO OWNED AUTOS ONLY</td>
</tr>
<tr>
<td>X</td>
<td>SCHEDULED AUTOS</td>
</tr>
<tr>
<td>X</td>
<td>NON-OWNED AUTOS ONLY</td>
</tr>
<tr>
<td>12/01/2017</td>
<td>12/01/2018</td>
</tr>
<tr>
<td>P9106C161444COF17</td>
<td>COMPARE SINGLE LIMIT (x250,000)</td>
</tr>
<tr>
<td>1,000,000</td>
<td></td>
</tr>
<tr>
<td>BODILY INJURY (per person)</td>
<td></td>
</tr>
<tr>
<td>1,000,000</td>
<td></td>
</tr>
<tr>
<td>PROPERTY DAMAGE (per occurrence)</td>
<td></td>
</tr>
<tr>
<td>2,000,000</td>
<td></td>
</tr>
</tbody>
</table>

| X | UMBRELLA LUMBEXCESS LIABILITY CLAIMS-MADE |
| --- | --- | --- |
| 12/01/2017 | 12/01/2018 |
| C160K301011743 | EACH OCCURRENCE AGGREGATE |
| 9,000,000 | 9,000,000 |

<table>
<thead>
<tr>
<th>X</th>
<th>WORKERS COMPENSATION AND EMPLOYERS LIABILITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/EMPLOYERS EXCLUSION</td>
<td></td>
</tr>
<tr>
<td>(Mandatory in MT)</td>
<td></td>
</tr>
<tr>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>12/01/2017</td>
<td>12/01/2018</td>
</tr>
<tr>
<td>P06BEU58557970817 WI JBBJ2154327143E-OTH STAT</td>
<td>E.L., EACH OCCIDENT</td>
</tr>
<tr>
<td>1,000,000</td>
<td></td>
</tr>
<tr>
<td>E.L., EACH ACCIDENT</td>
<td></td>
</tr>
<tr>
<td>1,000,000</td>
<td></td>
</tr>
<tr>
<td>E.L., CONTRACTS, EA EMPLOYER</td>
<td></td>
</tr>
<tr>
<td>1,000,000</td>
<td></td>
</tr>
<tr>
<td>E.L., CONTRACTS, EA EMPLOYEE</td>
<td></td>
</tr>
<tr>
<td>1,000,000</td>
<td></td>
</tr>
</tbody>
</table>

**DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)**

**CERTIFICATE HOLDER**

| Master Certificate |
| --- | --- |
| **MASTERC** |
| SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. |

| AUTHORIZED REPRESENTATIVE |
| --- | --- |
| ACORD 25 (2016/03) | © 1988-2015 ACORD CORPORATION. All rights reserved. |
| The ACORD name and logo are registered marks of ACORD |

G:\MKT\Water & Utilities\Proposals\100721 Utilities Commission\180872.01 04-18\ UC RFQ 10-18 Continuing Professional Services. indd
**INSURANCE PROFESSIONAL LIABILITY CERTIFICATE**

**CERTIFICATE OF LIABILITY INSURANCE**

**DATE [MM/DD/YYYY]:** 10/19/2017

**PRODUCER**

Holmes Murphy & Assoc - WI
10 E. Doty Street, Suite 800
Madison, WI 53703

**PHONE** 1-800-527-3049
**FAX** 608-251-3049
**EMAIL** lkomarito@holmesmurphy.com

**CONTACT PERSON**

**NAME** Linda Komarito
**INSURER** XL SPECIALTY INS CO

**INSURED**

Need & Hunt, Inc.
K & K Architecture, Inc.
2440 Daming Way
Middleton, WI 53562

**CERTIFICATE NUMBER:** 51147430

**REVISION NUMBER:**

---

**COVERAGE**

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER. IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

**INSURER A:**

**NAME:**

**ADDRESS:**

**INSURER B:**

**NAME:**

**ADDRESS:**

**INSURER C:**

**NAME:**

**ADDRESS:**

**INSURER D:**

**NAME:**

**ADDRESS:**

**INSURER E:**

**NAME:**

**ADDRESS:**

**INSURER F:**

**NAME:**

**ADDRESS:**

---

**COVERAGE**

**TYPE OF INSURANCE:** COMMERCIAL GENERAL LIABILITY

<table>
<thead>
<tr>
<th>TYPE OF INSURANCE</th>
<th>DESCRIPTION</th>
<th>LIMITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLAIM MADE</td>
<td>OCCUR</td>
<td></td>
</tr>
</tbody>
</table>

**AVAILABILITY:**

- EACH OCCURRENCE $15,000
- TOOTHED TOOTHED PREMISES (GA occurrence) $15,000
- MED EXP (Every one person) $15,000
- PERSONAL & ADJ INJURY $15,000
- GENERAL AGGREGATE $15,000
- PRODUCTS COMPOD AGG $15,000

**AUTOMOBILE LIABILITY**

- ANY AUTO
- ALL OWNED AUTOS
- SCHEDULED AUTOS
- NONOWNED AUTOS
- HIRER AUTOS

**UMBRELLA LIABILITY**

- OCCURANCE CLAIM MADE

- EACH OCCURRENCE
- AGGREGATE

**LIABILITY EXCESS**

- RETENTION

**WORKMEN'S COMPENSATION AND EMPLOYER'S LIABILITY**

- YM IN

**DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES**

[ACORD 101, Additional Remarks Schedule, may be attached if more space is required]

**Pollution Liability Included**

---

**CERTIFICATE HOLDER**

[Signature]

**CANCELLATION**

***FOR PROPOSAL PURPOSES ONLY***

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

**AUTHORIZED REPRESENTATIVE**

[Signature]

© 1988-2014 ACORD CORPORATION. All rights reserved.

ACORD 25 (2014/01) The ACORD name and logo are registered marks of ACORD

lbomarito@holmesmurphy.com 51147430

---

G:\MKT\Water & Utilities\Proposals\1000721 Utilities Commission\180872.01 04-18\UC RFQ 10-18 Continuing Professional Services.indd
OCCUPATIONAL LICENSE
MEAD & HUNT, INC.

2017/2018
Volusia County Business Tax Receipt
Issued pursuant to F.S. 205 and Volusia County Code of Ordinances Chapter 114-1 by:
Volusia County Revenue Division - 123 W Indiana Ave, Room 103, Deland, FL 32720 - (386) 736-5938
Account # 1985020200070 Expires: September 30, 2018
Business Location: 4401 EASTPORT PARK WAY

Volusia County
FLORIDA

Business Name: MEAD AND HUNT INC
Owner Name: MEAD AND HUNT INC
Mailing Address: 2440 DEMING WAY
MIddLETON, WI 53562

BUSINESS TYPE CODE COUNT TAX
Business Service State Lic Req 472 31 $150.00

* This receipt indicates payment of a tax, which is levied for the privilege of doing the type(s) of business listed above within Volusia County. This receipt is non-regulatory in nature and is not meant to be a certification of the holder's ability to perform the service for which he is registered. This receipt also does not indicate that the business is legal or that it is in compliance with State or local laws and regulations.
* The business must meet all County and/or Municipality planning and zoning requirements or this Business Tax Receipt may be revoked and all taxes paid would be forfeited.
* The information contained on this Business Tax Receipt must be kept up to date. Contact the Volusia County Revenue Division for instructions on making changes to your account.

THIS PORTION OF THE BUSINESS TAX RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS

2018 City of Port Orange
Business Tax Receipt

MEAD AND HUNT
2440 DEMING WAY
MIddLETON WI 53562

ISSUE DATE: August 17, 2017
EXPIRATION DATE: September 30, 2018

OWNER NAME: MEAD AND HUNT
BUSINESS ADDRESS: 4401 EASTPORT PKWY

BUSINESS TAX NUMBER: 18-00025179
CLASSIFICATION: ENGINEER COMMERCIAL
STATE LICENSE NUMBER: 26730 02/28/19

(Total Paid: $50.00

RESTRICTIONS:
THIS TAX RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS.
OCCUPATIONAL LICENSE
ANDREYEV ENGINEERING, INC.

SEMINOLE COUNTY BUSINESS TAX RECEIPT
JOEL M. GREENBERG, SEMINOLE COUNTY TAX COLLECTOR
PO BOX 530 | SANFORD, FL 32772 | 407-665-1000
WWW.SEMINOLECOUNTY.TAX
VALID THROUGH 09/30/18

ANDREYEV ENGINEERING INC
4055 ST JOHNS PKWY
SANFORD, FL 32771

NICOLAS E ANDREYEV (PRES)

REGULATED
License #: 7634

**SANFORD CITY LICENSE REQUIRED**

Receipt #: 1047207120104762 Amount Paid: $54.00 Date Paid: 12/01/2017

CITY OF SANFORD
Building & Fire Prevention Division
PO Box 1788, Sanford, FL 32772-1788

2018
LOCAL BUSINESS TAX RECEIPT
VALID THROUGH SEPTEMBER 30, 2018

ANDREYEV ENGINEERING INC
4055 ST JOHNS PKWY
SANFORD FL 32771

This receipt is a local business tax only. It does not permit the local business taxpayer to violate any existing zoning or regulatory laws of the state or county, nor does it exempt the business taxpayer from any other license or permits required by law.

Issue Date: August 14, 2017
Business Location: 4055 ST JOHNS PKWY

Control Number: 0009804

<table>
<thead>
<tr>
<th>Receipt Number</th>
<th>Classification</th>
<th>Receipt Amount</th>
<th>Penalty Amount</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>00013981</td>
<td>PERMITS INF. INJS</td>
<td>50.00</td>
<td>.00</td>
<td>50.00</td>
</tr>
<tr>
<td>00013582</td>
<td>PROFESSIONAL</td>
<td>100.00</td>
<td>.00</td>
<td>100.00</td>
</tr>
</tbody>
</table>

SEMINOLE COUNTY TAX RECEIPT REQUIRED
ORIGINAL TAX RECEIPT MUST BE DISPLAYED ON PREMISES
OCCUPATIONAL LICENSE
CONNECT CONSULTING, INC.

2017/2018

Volusia County Business Tax Receipt
Issued pursuant to F.S. 205 and Volusia County Code of Ordinances Chapter 114-1 by:
Volusia County Revenue Division - 123 W Indiana Ave, Room 103, DeLand, FL 32720 – (386) 736-5938

Account # 201701040002 Expires: September 30, 2018
Business Location: 261 LAKEVIEW DR

Volusia County
FLORIDA

Business Name: CONNECT CONSULTING INC
Owner Name: DAVID S ROBERTSON
Mailing Address: 261 N LAKEVIEW DR
LAKE HELEN, FL 32744

<table>
<thead>
<tr>
<th>BUSINESS TYPE</th>
<th>CODE</th>
<th>COUNT</th>
<th>TAX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Service State Lic Req</td>
<td>472</td>
<td>4</td>
<td>$22.50</td>
</tr>
</tbody>
</table>

- This receipt indicates payment of a tax, which is levied for the privilege of doing the type(s) of business listed above within Volusia County. This receipt is non-regulatory in nature and is not meant to be a certification of the holder’s ability to perform the service for which he is registered. This receipt also does not indicate that the business is legal or that it is in compliance with State or local laws and regulations.
- The business must meet all County and/or Municipality planning and zoning requirements or this Business Tax Receipt may be revoked and all taxes paid would be forfeited.
- The information contained on this Business Tax Receipt must be kept up to date. Contact the Volusia County Revenue Division for instructions on making changes to your account.

THIS PORTION OF THE BUSINESS TAX RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS

Receipt Number 101

City of Lake Helen
Local Business Tax Receipt
Expires 09.30.2018

Name
CONNECT CONSULTING, INC

Location
261 N LAKEVIEW DR

Mailing Address
261 N LAKEVIEW DR
LAKE HELEN, Florida 32744

Date Issued
03.22.2018

Type
Business tax

Business Tax Year
2018

Amount Paid
$30.00

Business Classification
541690: Other Scientific and Technical Consulting Services

City of Lake Helen, 327 S. Lakeview Drive Lake Helen, Florida 32774

The Lake Helen Business Tax office will send you a renewal notice for your business/occupation, however, the owner of this business/occupation is responsible for renewal of the annual Business Tax on or before 09.30.2018 of each year. A valid, current copy of any required licensing for your business/occupation must be presented at the time of renewal. The owner of this business is also responsible for notifying the Lake Helen Business Tax Department of any change in address or change in business (such as number of employees, type of business, occupied square footage, etc.).

Post in a conspicuous place.
OCCUPATIONAL LICENSE
BIOLOGICAL CONSULTING SERVICES, INC.

2017 / 2018
Volusia County Business Tax Receipt
Issued pursuant to F.S. 205 and Volusia County Code of Ordinances Chapter 114-1 by:
Volusia County Revenue Division - 123 W Indiana Ave, Room 103, DeLand, FL 32720 – (386) 736-5838

Account # 199105010009 Expires: September 30, 2018
Business Location: 208 RUSH ST

Volusia County
FLORIDA

Business Name: BIOLOGICAL CONSULTING SERV INC
Owner Name: YOUNG JOE H & CATHERINE YOUNG
Mailing Address: 208 RUSH ST
NEW SMYRNA BEACH, FL 32168

BUSINESS TYPE CODE COUNT TAX
Professional 461 $30.00

This receipt indicates payment of a tax, which is levied for the privilege of doing the type(s) of business listed above within Volusia County. This receipt is non-regulatory in nature and is not meant to be a certification of the holder’s ability to perform the service for which he is registered. This receipt also does not indicate that the business is legal or that it is in compliance with State or local laws and regulations.

The business must meet all County and/or Municipality planning and zoning requirements or this Business Tax Receipt may be revoked and all taxes paid would be forfeited.

The information contained on this Business Tax Receipt must be kept up to date. Contact the Volusia County Revenue Division for instructions on making changes to your account.

THIS PORTION OF THE BUSINESS TAX RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS

EXPIRATION DATE
09/30/2018

City New Smyrna Beach
Business Tax Receipt

Account No. 0930
Annual Fee: $84.00

Mailing Address:

BIOLOGICAL CONSULTING SERVICES
208 RUSH ST
NEW SMYRNA BEACH, FL 32168

Classification:
PROFESSIONAL & BUSINESS
$84.00

Name BIOLOGICAL CONSULTING SERVICES
Contact JOE H. YOUNG III & CATHERINE YOUNG

Business 208 RUSH STREET
Address NEW SMYRNA BEACH FL 32168

ISSUED BY THE OFFICE OF THE FINANCE DEPT
REFERENCES

CLIENT REFERENCES

CITY OF DELAND

Current Similar Contract:
Continuing Professional Utility Services

Contact: Keith Riger, P.E.
Title: Public Services Director
Telephone: 386-626-7196
Address: 1102 S. Garfield Avenue, Deland, FL 32724
Email: rigerk@deland.com

CITY OF EDGECUAR

Current Similar Contract:
Continuing Professional Engineering Services

Contact: Brenda Dewees
Title: Public Works Director
Telephone: 386-424-2476
Address: 104 N. Riverside Drive, Edgewater, FL: 32132
Email: bdewees@cityofedgewater.org

CITY OF COCOA BEACH

Current Similar Contract:
Continuing Professional Engineering Services

Contact: Scott Barber
Title: Director of Water Reclamation Facility
Telephone: 321-868-3308
Address: 1600 Minuteman Causeway, Cocoa Beach, FL 32931
Email: sbarber@cityofcocoabeach.com
REFERENCES

REFERENCE LETTERS.

City of DeLand
"The Athens of Florida"
www.deland.org

1102 South Garfield Avenue
DeLand, FL 32724
Telephone: (386) 626-7169
Fax: (386) 736-5366

July 22, 2013

City of Edgewater, Florida

Re: Reference for Quentin L. Hampton, Associates, Inc.

Dear Reader:

Quentin L. Hampton Associates, Inc. has provided professional consulting engineering services to the City of DeLand on a continuing basis since the late 1980’s. Through the years, they have always provided us with professional and timely services at what we believe are reasonable fees. Their services have included master planning, design, bid and construction phase services in connection with water and sewer plant upgrades, utility lines, reclaimed water facilities and stormwater facilities. They have assisted the City in financing projects using municipal bonds, State Tribal Assistance Grant (STAG) funds and State Revolving Loan (SRF) funds. Recently, their firm was instrumental in obtaining several significant grants for water projects from the St. Johns River Water Management District.

During the past twenty years, I have worked extensively with this firm and can, with good conscience, recommend them to other governmental clients who need quality professional services performed timely as a reasonable cost.

Should you have any questions about the foregoing, please do not hesitate to contact me.

Sincerely,

Keith D. Riger, P.E.
City Engineer
Public Services Director

KDR/tb
January 8, 2016


To Whom It May Concern:

Quentin L. Hampton Associates, Inc. has been one of the City of Edgewater’s continuing consulting engineers since 1999. During this time, the City of Edgewater has accomplished numerous successful projects using them as our engineers, inspectors, contract managers, grant administrators as well as for bid preparation and guidance. In addition, during the development rise, they assisted the building department with inspections and became spotter/inspectors for debris removal and disposal during the 2004 hurricanes to enable FEMA reimbursement.

With QLH’s assistance, the City was awarded two ARRA grants for new potable water supply wells and a one million ground storage tank and pumping facility. These two projects were 90% designed and QLH expedited the completion of the design to allow the City to apply for these grants in a timely manner to enable an 85 percent grant towards these projects. Additionally, QLH provided grant administration so that the City remained in compliance with the colossal comprehensive requirements associated with these federal grants.

Most recently, the City of Edgewater completed an entire refurbishment of the Wastewater Treatment Plant that was 20 years old, including replacement of most major pumps, motors and electrical equipment, converting from sludge press to a centrifuge, converting from gas chlorination to liquid, reconfiguration of the Biological Nutrient Removal Basin, adding another clarifier and numerous other constructions. This project also included updating the Wastewater Facility Plan, applying for SRF funding and management of the SRF Loan and inspection services during construction.

QLH’s professional staff has been a beneficial service provider for many ventures including water, wastewater, stormwater and financial and capital planning. They have always been a solution to the problems facing the City and I would highly recommend them to other cities as a qualified, proficient team player.

Sincerely,

Brenda L. Dewees
Director of Environmental Services
January 8, 2016

Quentin L. Hampton Associates
Mr. Brad Blais, P.E., President
4401 Eastport Parkway
Port Orange, Florida 32127

Dear Mr. Blais,

I am pleased to provide this letter of recommendation regarding the wide range of professional services Quentin L. Hampton Associates (QLH) has provided the City of Cocoa Beach, for more than four decades.

QLH has guided our City through many projects critical to our waste water, storm water and public works operations. They have been instrumental in negotiating sewage treatment contracts with entities such as Patrick Air Force Base. Additional work performed includes:

- The original design of the City’s water reclamation facility
- Design and permitting all of the subsequent plant, lift station and reclaimed water expansions
- Public works and storm water projects
- Permitting and permit modifications with the Department of Environmental Protection and Saint Johns Water Management District
- Rate studies, preparation of specifications, standard construction details and recommendations on wastewater treatment processes
- Current projects include a 15 million dollar Water Reclamation Facility Upgrade and Process Conversion consisting of a AWT Kruger Hybas biological process, plant equipment upgrades and a greenhouse sludge drying facility
- 2.4 million dollar Aquifer Storage Recovery Well
- 3.4 million dollar Collection System Rehab
- 5.1 million dollar Minutemen Causeway Beautification project

QLH’s comprehensive scope of services has enabled the City to rely upon them to handle both expansive projects and smaller concerns with the expertise that is often only found in larger engineering firms yet with the personalized attention and responsiveness that is invaluable to the specialized needs of our facilities.

As the Utility Director of Cocoa Beach with over 25 years of direct experience in waste water technology, I can attest with certainty that QLH is central to our City’s reputation as a governmental and industrial leader in water reclamation.

Sincerely,

Jack Shelton, Utility Director
OTHER INFORMATION
QUALITY CONTROL/QUALITY ASSURANCE PROCEDURES

QUALITY ASSURANCE PLAN (QAP)

The quality of the product received by Mead & Hunt's clients is a direct result of the quality controls implemented by our leadership in the early 1990s. These controls were needed in order to manage the numerous projects being constructed during this period. It's a three-step process involving design/review by the ‘lead’ project engineer/manager, quality control review by the ‘lag’ engineer and a ‘constructability’ review by the director of construction services.

The quality assurance plan starts at the kick-off meeting where Mead & Hunt’s lead engineer and relevant sub-consultants ask the probing questions to determine project goals and scheduling needs. Determining that we have the proper sub-consultants and staffing onboard is critical to meeting the project goals and objectives. The Mead & Hunt project manager establishes an initial schedule that drives project design, permitting and delivery. A major component of the schedule is the timing for quality control and constructability reviews.

The project schedule is developed during the earliest stages of the project. The client is asked to review and approve the schedule for proper milestones and time of completion. Adjustments are made based on comments from the client. The lead and lag engineer will continually review the project schedule in order to provide timely completion of parallel tasks with critical completion dates.

PERSONNEL AND QAP IMPLEMENTATION

This contract pertains to treatment facilities and utility design. Brad Blais, PE will serve as the project manager for treatment plant projects and Andrew Giannini, PE or Kevin Lee, PE will serve as project manager for other utility projects. The project manager and lag engineer both have plan review responsibilities; however, it is the project manager's job to coordinate internal and City reviews, maintain the project schedule and implement the QAP.

It is also the project manager’s responsibility to coordinate sub-consultants and their design efforts. This includes survey work, geotechnical investigations and design activities by design professionals.

Integrating design efforts among various disciplines is important for all projects, but it is critical for treatment facility design. These projects generally involve mechanical, electrical, instrumentation and structural design elements. The plan sheets need to accurately reflect the work for each trade and properly detail installation requirements unique to each vendor and equipment item. As changes are made, the changes must be communicated among the involved disciplines.

The Mead & Hunt project manager and Mead & Hunt designers prepare CAD files and ‘base sheets’ to be used during the design process. Advanced file sharing techniques are used to distribute drawing files between users and allow the project manager to track changes and provide electronic markups to team members throughout the design process. At each stage of the project development (30-, 60-, 90-percent and Final), the project manager and lag engineer will review and approve design changes and additions. At 60- and 90-percent completion, Mead & Hunt’s field services supervisor will perform a ‘constructability review’ to verify that the proposed work can be built using conventional equipment and techniques. Where special equipment or techniques are required, the designers will attempt to simplify the design or draw attention to these areas and make special provisions on the plans and in the specifications. This portion of the QAP is critical and has been a key element of Mead & Hunt’s success in creating complete and constructible plans.

Ultimately, the QC/QA process is only as good as the site data used to prepare the plans. It is critical to obtain accurate survey information and sub-surface utility engineering (SUE) to accurately locate existing utilities. Mead & Hunt and SSMC have a complete set of SUE tools to perform this work. Obtaining high quality survey data at the beginning of the design process reduces redesign and also reduces the potential for delays and claims during construction. We elaborate on this in the approach section of this SOQ.
March 27, 2018

RE: RSQ 10-18 Continuing Professional Services ADDENDUM No. 1

To prospective vendors:

The Utilities Commission is issuing the following addendum. As such it becomes an integral part of the proposal and must be acknowledged by the return of this signed form, with your proposal form, acknowledging receipt of the addendum.

The following questions have been asked and are answered below:

1) Are the forms (Exhibits A-C) listed in the Table of Contents (page 18) part of the sample contract? If so, is it correct to say that they are not required at this time?
   Yes, they are part of the sample contract. It is correct to say that they are NOT required at this time.

2) Since the City is selecting firms for survey and geotechnical services, does that mean that teams for the Civil Engineer position do not need to include these services?
   Correct, we are not evaluating teams. Firm should be submitting just for the specific professional service. If firms have the capabilities of multiple services, they may submit separate statements for each of the professional services they feel they are qualified for.

3) Are the references requested in Subject 8 different than the references requested in Subject 1?
   Yes. The references in Subject 1 are project specific references. The references in Subject 8 are current continuing service contract references and not project specific.

4) Is any feedback required prior to or during the RSQ process with respect to the Sample Agreement language?
   No feedback is required prior to the RSQ. The UCNSB intends to contract with 12 consultants. We intend to have all agreements the same.

   Once selected, requested changes to the contract will be assessed in totality. Changes made will be routed to all consultants for review, assessment, and acceptance. The last agreement (2014) is attached for review, but also only a sample.

5) Please confirm that the proposal cover and tabs do not count towards the 30 double-sided pages.
   The Cover and Tabs, DO NOT count.

6) Is it acceptable for proposals to be submitted in a 3-ring binder or is GBC-binding preferred?
   The UCNSB does not have a preference.
OTHER INFORMATION

ADDENDUM

UTILITIES COMMISSION
City of New Smyrna Beach
RSQ 10-18
Addendum No. 1

7) Should Exhibit C-Truth in Negotiation Certificate/Statement Concerning Competitive Act be executed and included in proposal?
   Only after firms are selected and agreements signed and submitted for Commission consideration would we require any of the forms to be signed.

8) By 30 double-sided pages, do you mean 30 sheets of paper, printed on both sides (60 pages) or 15 sheets of paper, paper printed on both sides? If they are not double sided, how many pages (sheets of paper) are we allowed? Are the cover letter, Table of Contents and resumes included in the page count?
   30 double-side pages is self-explanatory.
   Only the cover page and tabs are excluded from the overall page count.
   All other pages (including table of contents and resumes) count towards the 30 double sided.

9) The ranking sheet lists schedule, ability and commitment to schedule; Track Record/Past Performance; and Availability of Team (location, workload), but none of these (other than location) are listed in the outline of what to include in the submittal. Are you planning to get all this information from the references? And where should we address workload?
   The consultant ranking sheet has been revised to match the subjects.

   We don’t intent to assess consultant’s current workload. We presume that if you are submitting, you have the ability to serve the Commission in a timely manner.

10) In your answer to No. 6 of the FAQ, can we assume you are referring to the selected consultants submitting the Schedule of Direct Cost for Staff of Consultant’s Organization (since per CCNA, no pricing is to be submitted during the qualifications phase)?
   Correct, the selected consultants, once agreements are approved, will submit staff pricing on a project by project basis.

11) In Financial Stability, what do you mean by a certified statement of financial stability? Does this mean you want it notarized or to come from and outside source? (or both?)
   A statement signed by the principal of the organization would suffice.

   After the selection process, the firms would need to be “PREPARED to supply a financial statement”, of which there are several acceptable options mentioned in the section.

   The submitting consultant is responsible to determine the best way to submit for evaluation, their financial stability.
OTHER INFORMATION

ADDENDUM

UTILITIES COMMISSION
City of New Smyrna Beach
RSQ 10-18
Addendum No. 1

Addendum No 2 Received By:

Brad Blais
Printed Name

Signature/Authorized Company Official       Date

Brad Blais
4/4/2018

Submit this signed form with your proposal on April 5th.