

CPH, Inc.

Bid Contact **Nik Jindal**
njindal@cphcorp.com
Ph 407-322-6841

Address **500 West Fulton Street**
Sanford, FL 32771

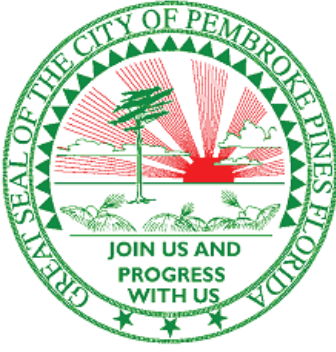
Item #	Line Item	Notes	Unit Price	Qty/Unit	Attch.	Docs
PSEN-18-02--01-01	Please submit documents here.	Supplier Product Code:	First Offer -	1 / each	Y	Y
Supplier Total					\$0.00	

CPH, Inc.

Item: **Please submit documents here.**

Attachments

CPH, Inc RFQ PSEN-18-02 Pembroke Pines Arch, Eng, Surveying Mapping.pdf



REQUEST FOR QUALIFICATIONS

Professional Service Providers (Architectural, Engineering, Surveying & Mapping)

RFQ # PSEN-18-02

July 24, 2018



July 24, 2018

City of Pembroke Pines
Office of the City Clerk
601 City Center Way, 4th Floor
Pembroke Pines, FL 33025

1992 SW 1st Street
Miami, FL 33135
Phone: 305.274.4805
Fax: 305.274.4807

RE: Professional Service Providers (Architectural, Engineering, Surveying & Mapping)
RFQ # PSEN-18-02

Dear Selection Committee Members:

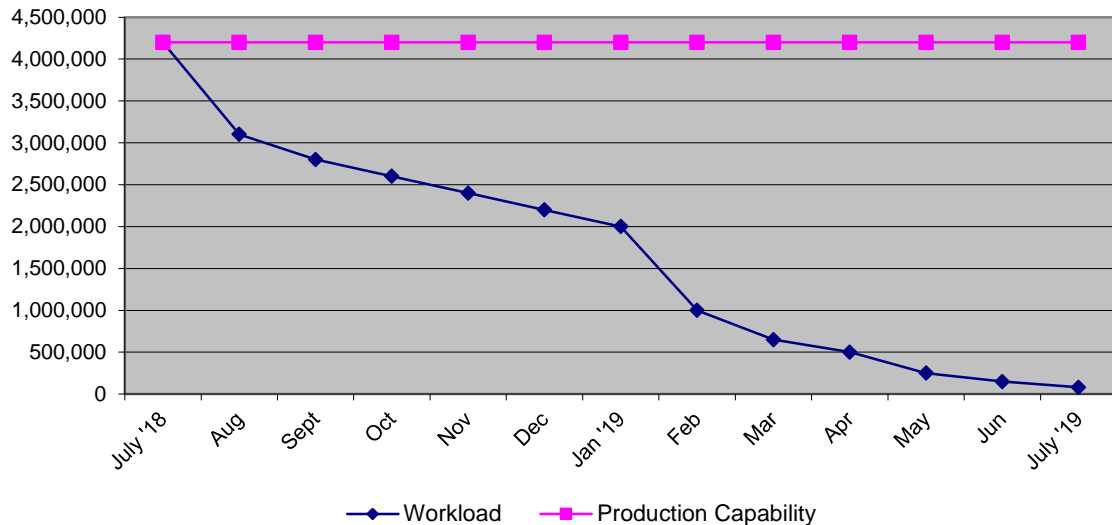
CPH, Inc. (CPH) has been located in South Florida for over 12 years and has extensive experience with both public and private clients. CPH has been in successful operation in Florida since 1981 as a corporation, and was part of a predecessor firm in the area dating back to the 1960's. Throughout this entire period our firm has been involved in design and development of public and private projects in Florida. In that time period, we are very proud of our client relationships and have never been terminated from a contract. Further, CPH has been in successful operation for 37 years and has never had any license sanctions or bankruptcies or major litigation. CPH has the resources to commit to this contract for the City of Pembroke Pines, and has personnel, equipment, and facilities to successfully provide services under the Professional Service Providers (Architectural, Engineering, Surveying & Mapping) contract. *CPH has the knowledge, expertise, and financial strength to perform this contract for the City.*

Our team has successfully provided architecture and engineering services on projects with a similar scope and complexity in the past, and understands the City's needs and goals for this project. The team proposed for the City of Pembroke Pines includes registered architects, engineers, contractors, landscape architects, environmental scientists, and surveyors. Our architects have provided space planning and complete design services for over 300 buildings including numerous fire stations, emergency operations stations (EOC's), police stations, fire aid centers, training facilities, and medical complexes. Our projects have included new projects as well as expansions and remodel programs. In addition, this staff includes Leadership in Energy and Environmental Design (LEED) Approved Professionals, as well as Green Globes Professionals. CPH is also a registered member of the Florida Green Building Coalition, US Green Building Coalition, and Green Globes. The abilities and experience of our personnel are detailed in the attached Standard Form 330, Section E.

CPH has also provided planning, design, and construction services to numerous utility clients for projects that include water, wastewater, reclaimed, conveyance systems, pumping facilities, and treatment plants. Our team has successfully implemented these types of projects throughout Florida for over 40 years for small to large size utility service areas. The team has designed and permitted utility infrastructure projects with pipe sizes ranging from 4" to 84" and has provided services for over 300 miles of pipeline projects, including several projects within Broward County. CPH has designed over 40 wastewater and water treatment plants that include advanced treatment systems as well as "sustainable" systems. Our team has also provided the design of over 150 pumping facilities, including innovative systems such as vacuum sewers and regional master stations.

CPH has unique in-house resources and experience that will directly be applied to this project. First, our team includes not only licensed architects and engineers but also licensed general contractors. In fact, our Principal-in-Charge and Project Manager, Todd Hendrix, is a licensed professional engineer as well as a licensed general contractor and has over 19 years of experience; completing over \$500 million in improvements in South Florida over the last 5 years. Finally, CPH has the unique experience of providing visioning, space programming, and design for municipal projects. We recently completed several similar projects in which we helped our Clients' communities develop their plan and realize their visions. We have included further details of CPH's past performance in the attached Standard Form 330, Sections F and H.

CPH is committed to performing all work required for the scope of services for this RFQ. Our team is located nearby in Miami, Florida. Generally, we can handle site visits and meetings the same day, and due to our nearby location can be onsite within 45 minutes. The current and projected workload of our team is such that we can provide responsive service to the City of Pembroke Pines. We are well-staffed, equipped with our nearby location, and believe that we and our team members can provide a high quality, professional service to the City that is completely responsive and cost effective. The graph below depicts our current contracted backlog with no consideration for any additional work. The current workload will spread over 18 months. Our current production capability is \$4,500,000 per month. With that capacity, there are more than adequate personnel hours to cover the workload.



The City's single, professionally licensed point of contact for all City projects will be Todd H. Hendrix, P.E., CGC, 1992 SW 1st Street, Miami, FL 33135, Phone: 305.274.4805, Email: thendrix@cphcorp.com.

We appreciate the opportunity to submit our qualifications and look forward to working with the City of Pembroke Pines.

Sincerely,
CPH, Inc.



David A. Gierach, P.E., CGC
President

ARCHITECT - ENGINEER QUALIFICATIONS

PART I - CONTRACT-SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

1. TITLE AND LOCATION *(City and State)*

Professional Service Providers (Architectural, Engineering, Surveying & Mapping)
Pembroke Pines, FL

2. PUBLIC NOTICE DATE
06/26/2018

3. SOLICITATION OR PROJECT NUMBER
RFQ # PSEN-18-02

B. ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE

Todd H. Hendrix, P.E., CGC

5. NAME OF FIRM

CPH, Inc.

6. TELEPHONE NUMBER
305.274.4805

7. FAX NUMBER
305.274.4807

8. E-MAIL ADDRESS
info@cphcorp.com

C. PROPOSED TEAM

(Complete this section for the prime contractor and all key subcontractors.)

<i>(Check)</i>			9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
PRIME	J-V	SUBCON-TRACTOR			
a.	X		CPH, Inc. [X] CHECK IF BRANCH OFFICE	1992 SW 1st Street Miami, FL 33135	Architectural, Civil Engineering and Surveying and Mapping Services
b.		X	Connect Consulting, Inc. [X] CHECK IF BRANCH OFFICE	107 Commerce Lane, Suite 104 Jupiter, FL 33458	Hydrogeological Services
c.		X	Universal Engineering Sciences, Inc. [X] CHECK IF BRANCH OFFICE	1818 7th Avenue North, Unit 1 Lake Worth, FL 33461	Environmental Support and Geotechnical Services
d.		X	Bailey Engineering Consultants, Inc. [] CHECK IF BRANCH OFFICE	10620 Griffin Rd., Suite 202 Cooper City, FL 33328	Instrumentation/Controls
e.			[] CHECK IF BRANCH OFFICE		
f.			[X] CHECK IF BRANCH OFFICE		

D. ORGANIZATIONAL CHART OF PROPOSED TEAM

[X] *(Attached)*

ORGANIZATIONAL CHART



PRINCIPAL-IN-CHARGE/ PROJECT MANAGER

Todd H. Hendrix, P.E., CGC

SITE CIVIL

Christopher P. Collins, P.E.
Jason L. James, P.E.

ARCHITECTURE

John A. Baer, AIA, NCARB,
LEED AP BD+C, GGP
Ismail Ilker Uzun, AIA, LEED AP
BD+C
Jeff Foster, AIA, NCARB
Bing Liu, AIA

STRUCTURAL

Jose M. Ortiz, MCE, P.E.

M/E/P

David J. Melfi, P.E.
Gregory D. Taylor,
M.S.E.E., P.E.

DRAINAGE/ STORMWATER

Jeremiah D. Owens, P.E., CFM

FDOT ROADWAY

Kurt R. Luman, Jr., P.E.
Matthew Cushman, P.E.
Sandra L. Gorman, P.E.

PIPELINE/PUMP STATIONS

David E. Mahler, P.E.
Scott A. Breitenstein, P.E.
James R. Morris, Jr., P.E.
Mason Gardberg, P.E.

TREATMENT PLANT PROCESS

Roberto M. Gonzalez, P.E.
Yinhui "Lucida" Xu, Ph.D.,
P.E.
Benjamin M. Fries
David R. Refling, P.E., BCEE

LANDSCAPE

Maxwell D. Spann, PLA, APA,
CLARB
James K. Winter, RLA, CLARB

ENVIRONMENTAL

Amy E. Daly, LEED AP
Aaron P. Moore, PWS

CONSTRUCTABILITY REVIEW/ COST ESTIMATION

Gerald M. Cox, CGC, CUC

SURVEY

Thomas J. Galloway, PSM
Paul J. Katrek, PSM
Randall L. Roberts, PSM

CEI

David A. Terwilliger, P.E., CGC
Ted V. Jordan
Charlie Turner

ENVIRONMENTAL SUPPORT/ GEOTECHNICAL

Universal Engineering Sciences,
Inc.

INSTRUMENTATION/ CONTROLS

Bailey Engineering
Consultants, Inc.

HYDROGEOLOGICAL

Connect Consulting, Inc.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT*(Complete one Section E for each key person.)*

12. NAME Todd H. Hendrix., P.E., CGC	13. ROLE IN THIS CONTRACT Principal-in-Charge / Project Manager	14. YEARS EXPERIENCE <table border="1"> <tr> <td>a. TOTAL 19</td> <td>b. WITH CURRENT FIRM 19</td> </tr> </table>		a. TOTAL 19	b. WITH CURRENT FIRM 19
a. TOTAL 19	b. WITH CURRENT FIRM 19				
15. FIRM NAME AND LOCATION (City and State) CPH, Inc. / Miami, FL					
16. EDUCATION (DEGREE AND SPECIALIZATION) M.S. in Environmental Engineering, Florida International University B.S. in Biological Science, Florida International University		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer – FL (No. 66794) General Contractor License – FL (No. 1518490)			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)					

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State) Shoppes at the Fountains Plantation, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2008	CONSTRUCTION (If applicable) 2011
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project Manager - CPH provided survey, civil, architectural, and traffic engineering services for the redevelopment of the Fountains Shopping Center in Plantation, Florida. The project included the demolition of approximately 200,000 sq. ft. of existing retail space for the construction of new anchor tenants including Dick's Sporting Goods and Jo-Ann's Fabrics. New streetscape retail was designed to transform the center into a new and exciting shopping destination. Consistent with the City of Plantation's Mid-Town Master Plan, CPH provided tenant completion plans as existing tenants had relocated within the center. CPH provided architectural plans for Too Jay's Restaurant, Stromboli Cafe, Jos A Banks Clothing Store, Macabi Cigars, Manpower, and Ideal Image Laser Spa.		
(1) TITLE AND LOCATION (City and State) Monroe County Fire Station – Cudjoe Key Monroe County, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) Ongoing
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Principal-in-Charge - CPH is providing pre-design phase/programming, Schematic Design, Design Development, Construction documents, Bidding and Permitting assistance, and Construction Administration for a new 7,500 SF Fire Station on Cudjoe Key. Additional services provided will be site plan review, civil engineering, landscape architecture, and FDOT Review and Florida Green Build criteria. The building will be designed to meet or exceed Florida Green Building Coalition (FGBC) standards.		
(1) TITLE AND LOCATION (City and State) Public Works and Waste Management 58th Street Master Plan Miami-Dade County, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) 2016
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Principal-in-Charge - Miami Dade County requested to have a master plan conceptual design for a 42+ acres portion of the existing Public Works and Waste Management site located on 8795 NW 58th Street in Miami-Dade County, Florida. CPH took the lead role as the project planner for the County, handling the master planning and coordination of regulatory agency meetings to assure the timely completion of the project in a cost effective manner. CPH provided space programming, concept design, and master planning of public works/waste services complex.		
(1) TITLE AND LOCATION (City and State) 31st Avenue & Ilene Lieberman Parks Lauderhill, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2013	CONSTRUCTION (If applicable) 2014
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project Manager - These parks included the following elements: meandering walk-through landscape beds with seating respites along the way, decorative LED lighting, neighborhood buffering, redesign of amphitheater seating and the addition of wheelchair accessible seating spaces. Florida Friendly landscaping was incorporated as part of the design criteria for the grant qualification.		
(1) TITLE AND LOCATION (City and State) Islamorada Village Wide Wastewater System, Design, Build, Operate (DBO) Islamorada, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) 2015
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Principal-in-Charge - CPH's areas of responsibility included the design and permitting of the vacuum collection system for the Island of Upper Matecumbe Key; vacuum pumping stations for the Islands of South Plantation Key, Upper Matecumbe Key and Lower Matecumbe Key; and low pressure force main collection systems for the Island of Windley Key and portions of Upper Matecumbe Key. CPH provided input data and documentation associated with areas of responsibility incorporated into the Preliminary Design Report for the overall project.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT
(Complete one Section E for each key person.)

PSEN-18-02

City of Pembroke Pines

12. NAME John A. Baer, AIA, NCARB, LEED AP BD+C, GGP	13. ROLE IN THIS CONTRACT Principal Architect	14. YEARS EXPERIENCE	
		a. TOTAL 40	b. WITH CURRENT FIRM 12
15. FIRM NAME AND LOCATION (City and State) CPH, Inc. / Sanford/Miami, FL			
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. in Architectural Studies, University of Milwaukee A.A. in Civil Structural Technology, Northwest Technical Institute		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Registered Architect – FL (No. 93193), LEED Accredited Professional, American Institute of Architects (AIA), Green Globes Professional (GGP), National Council of Architectural Registration Boards (NCARB), Florida Green Building Coalition (FGBC)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Building Leadership Excellence: Dale Carnegie Training			

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION (City and State) Islamorada Village Wide Wastewater System (Design, Build, Operate) Village of Islamorada, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2012	CONSTRUCTION (If applicable) 2015
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Architect – CPH's areas of responsibility included the design and permitting of the vacuum collection system for the Island of Upper Matecumbe Key; vacuum pumping stations for the Islands of South Plantation Key, Upper Matecumbe Key and Lower Matecumbe Key; and low pressure force main collection systems for the Island of Windley Key and portions of Upper Matecumbe Key. CPH provided input data and documentation associated with areas of responsibility incorporated into the Preliminary Design Report for the overall project. CPH provided design for two general use vacuum pumping stations and one vacuum pumping station that also incorporated a force main re-pumping station within the structure. [X] Check if project performed with current firm		
b.	(1) TITLE AND LOCATION (City and State) Orlando Sanford International Airport Terminal Expansion Sanford, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Architect - CPH is providing engineering, surveying, architectural, and MEP services for this Terminal Expansion project to support the current growth of passenger traffic. The \$60 million expansion includes the terminal departure consolidation from a dual terminal check-in. The improvements also include new consolidated loading and unloading facility, curbside transportation improvements, a covered baggage drop off, apron addition, four new gates, parking lot improvements, terminal building improvements and renovation, as well as transportation improvements that include a new traffic signal and alternate entrances to the parking lots. [X] Check if project performed with current firm		
c.	(1) TITLE AND LOCATION (City and State) Spec Martin Stadium Design Criteria Package DeLand, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2012	CONSTRUCTION (If applicable) 2013
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Architect - CPH was selected by the City of DeLand for the Spec Martin Stadium Improvements. The project required the development of the design/build criteria package and professional services to assist the City during the selection process. The project involved a new press box, training room and locker room additions. [X] Check if project performed with current firm		
d.	(1) TITLE AND LOCATION (City and State) Sanford Civic Center Sanford, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) TBD
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Architect - CPH was commissioned by Sanford's Community Development Agency to provide conceptual plans for a new "Civic Center". This proposed 18,000 square foot facility will replace the existing civic center located on Seminole Boulevard which borders Fort Mellon Park and Lake Monroe. The new facility will expand present inventory of meeting rooms and flexible banquet areas for public use in the range of 500-700 people. [X] Check if project performed with current firm		
e.	(1) TITLE AND LOCATION (City and State) Miami-Dade Public Works & Waste Management 58th St Master Plan Miami, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2014	CONSTRUCTION (If applicable) TBD
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Architect - CPH provided conceptual design for a 42+ acres portion of the existing Public Works and Waste Management site located on 8795 NW 58th Street in Miami-Dade County, Florida. CPH took the lead role as the project planner for the County, handling the master planning and coordination of regulatory agency meetings to assure the timely completion of the project in a cost effective manner. CPH provided space programming, concept design, and master planning of public works/waste services complex. The project included reconfiguration of site, moving existing buildings, and has components such as administration offices, fuel and hazard waste storage, materials storage, vehicle storage, and vehicle maintenance facilities. [X] Check if project performed with current firm		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT*(Complete one Section E for each key person.)*

12. NAME Ismail Ilker Uzun, AIA, LEED AP BD+C	13. ROLE IN THIS CONTRACT Project Architect	14. YEARS EXPERIENCE a. TOTAL 27 b. WITH CURRENT FIRM 3	
15. FIRM NAME AND LOCATION <i>(City and State)</i> CPH, Inc. / Miami, FL			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> M.A., Yıldız Technical University B.A., Yıldız Technical University, Florida Atlantic University (Non Degree Courses)		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Registered Architect – FL (No. AR95507) LEED Accredited Professional	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i>			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> Government Center Station - Entrance Doors Miami-Dade County, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2016 CONSTRUCTION <i>(If applicable)</i> 2016	
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Architect - CPH provided services to Miami Dade Transit in Miami-Dade County for modification to existing platform entry and emergency exit doors on Levels I, II and III of Government Center Station.		
(1) TITLE AND LOCATION <i>(City and State)</i> Monroe County Fire Station – Cudjoe Key Monroe County, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES Ongoing CONSTRUCTION <i>(If applicable)</i> Ongoing	
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Architect - CPH is providing pre-design phase/programming, Schematic Design, Design Development, Construction documents, Bidding and Permitting assistance, and Construction Administration for a new 7,500 SF Fire Station on Cudjoe Key. Additional services provided will be site plan review, civil engineering, landscape architecture, and FDOT Review and Florida Green Build criteria. The building will be designed to meet or exceed Florida Green Building Coalition (FGBC) standards.		
(1) TITLE AND LOCATION <i>(City and State)</i> Public Works and Waste Management 58th Street Master Plan Miami-Dade County, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2016 CONSTRUCTION <i>(If applicable)</i> 2016	
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Architect - Miami Dade County requested to have a master plan conceptual design for a 42+ acres portion of the existing Public Works and Waste Management site located on 8795 NW 58th Street in Miami-Dade County, Florida. CPH took the lead role as the project planner for the County, handling the master planning and coordination of regulatory agency meetings to assure the timely completion of the project in a cost effective manner. CPH provided space programming, concept design, and master planning of public works/waste services complex.		
(1) TITLE AND LOCATION <i>(City and State)</i> Lake Worth Office Addition Miami-Dade County, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2016 CONSTRUCTION <i>(If applicable)</i> 2016	
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Architect - CPH has successfully completed conversion of an existing porch to office space under our current continuing services contract with the City of Lake Worth. The project involved closing the existing porch with a new metal panel wall, insulating the walls and roof, as well as new HVAC and lighting systems. CPH has provided 3D Laser Scan surveying, Architectural, M/E/P engineering and Structural engineering services for this project.		
(1) TITLE AND LOCATION <i>(City and State)</i> McDonald's Continuing Contract Throughout the United States	(2) YEAR COMPLETED PROFESSIONAL SERVICES Varies per project CONSTRUCTION <i>(If applicable)</i> Varies per project	
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Architect – CPH has been working with McDonald's for 15+ years. Through this time, CPH has provided civil, landscape, irrigation, surveying, architectural, and construction administration services on a continuing basis for various new, re-builds, re-models, and re-image restaurant projects. Working with the local region, CPH is involved in every aspect of the McDonald's process from working with the real estate group early in site selection, through final walk-thru and store openings. Throughout the process CPH has worked on: Conceptual plans, Feasibility Studies, Surveying Services, Planning, Re-zoning, Land Use Changes, Various Public Meeting Formats, Landscape Architecture, Civil Design, Architectural Design, Permitting, and Construction Administration.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Jeff Foster, AIA, NCARB	13. ROLE IN THIS CONTRACT Project Architect	14. YEARS EXPERIENCE <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">a. TOTAL 21</td> <td style="width: 50%; text-align: center;">b. WITH CURRENT FIRM 1</td> </tr> </table>		a. TOTAL 21	b. WITH CURRENT FIRM 1
a. TOTAL 21	b. WITH CURRENT FIRM 1				
15. FIRM NAME AND LOCATION (City and State) CPH, Inc. / Sanford/Miami, FL					
16. EDUCATION (DEGREE AND SPECIALIZATION) B..A. in Architecture, University of Hawaii		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Architect- FL (No. 50041)			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) American Institute of Architects Member, Member of National Council of Architectural Registration Board					

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State) Orlando Sanford International Airport Terminal Expansion Sanford, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2017</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) Ongoing</td> </tr> </table>		PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) Ongoing
PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) Ongoing				
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project Architect - CPH is providing engineering, surveying, architectural, and MEP services for this Terminal Expansion project to support the current growth of passenger traffic. The \$60 million expansion includes the terminal departure consolidation from a dual terminal check-in. The improvements also include new consolidated loading and unloading facility, curbside transportation improvements, a covered baggage drop off, apron addition, four new gates, parking lot improvements, terminal building improvements and renovation, as well as transportation improvements that include a new traffic signal and alternate entrances to the parking lots.				
	(1) TITLE AND LOCATION (City and State) Monroe County Firestation at Cudjoe Key Cudjoe Key, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES Ongoing</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) TBD</td> </tr> </table>		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) TBD
PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) TBD				
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project Architect - CPH is providing pre-design phase/programming, Schematic Design, Design Development, Construction documents, Bidding and Permitting assistance, and Construction Administration for a new 7,500 SF Fire Station on Cudjoe Key. Additional services provided will be site plan review, civil engineering, landscape architecture, and FDOT Review and Florida Green Build criteria. The building will be designed to meet or exceed Florida Green Building Coalition (FGBC) standards.				
	(1) TITLE AND LOCATION (City and State) Maintenance Warehouse and Office Building Englewood, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2016</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) Ongoing</td> </tr> </table>		PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) Ongoing
PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) Ongoing				
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project Architect - CPH was responsible for all structural, civil, mechanical, plumbing, and electrical engineering for this new facility for the Englewood Water District consisting of a new 22,200 SF building				
	(1) TITLE AND LOCATION (City and State) OUC Pershing Warehouse Complex Orlando, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2016</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) 2017</td> </tr> </table>		PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) 2017
PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) 2017				
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project Architect - CPH provided all structural, mechanical, electrical and civil engineering for the design of this new 9,506 SF pre-engineered metal building warehouse addition that ties into the existing warehouse building for the Orlando Utilities Commission. The walls are metal panels with a standing seam metal roof. There is a new pre-manufactured modular structure located within the existing warehouse that will serve as the new breakroom and restrooms for the facility.				
	(1) TITLE AND LOCATION (City and State) West Melbourne City Hall Renovation W. Melbourne, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES Ongoing</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) TBD</td> </tr> </table>		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) TBD
PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) TBD				
e.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project Architect - CPH provided architecture and engineering services including Schematic Design, Design Development, Construction Documents, Permitting and Bidding Assistance, and Construction Administration for an interior office renovation for the City of West Melbourne. CPH provided a design to relocate interior partitions to accommodate three to four staff offices, create a new customer service counter with four workstations including an ADA accessible portion and a protective Plexiglass barrier. The modifications also included dividing one existing large office into two private offices.				

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Bing Liu, AIA, NCARB	13. ROLE IN THIS CONTRACT Project Architect	14. YEARS EXPERIENCE <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">a. TOTAL 13</td> <td style="width: 50%; text-align: center;">b. WITH CURRENT FIRM 10</td> </tr> </table>		a. TOTAL 13	b. WITH CURRENT FIRM 10
a. TOTAL 13	b. WITH CURRENT FIRM 10				
15. FIRM NAME AND LOCATION (City and State) CPH, Inc. / Miami, FL					
16. EDUCATION (DEGREE AND SPECIALIZATION) M.S. in Architecture, University of Calgary B.S. in Art & Design, University of Alberta		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Registered Architect – FL (96578)			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)					

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State) West Leesburg Neighborhood Resource Center Project Leesburg, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2017</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) 2018</td> </tr> </table>		PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) 2018
PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) 2018				
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project Architect - CPH was commissioned to design a new 9,000 SF, Neighborhood Resource Center for the City of Leesburg. CPH is responsible for full design services including survey, civil, landscape, architectural and MEP. The Center will include meeting room spaces for large and small groups, a computer lab, office space for local community service providers, conference rooms for miscellaneous social groups, and a Kitchen / Café facility.				
	(1) TITLE AND LOCATION (City and State) Orlando-Sanford International Airport - Terminal Expansion Sanford, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2017</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) Ongoing</td> </tr> </table>		PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) Ongoing
PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) Ongoing				
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project Architect - CPH is providing engineering, surveying, architectural, and MEP services for this Terminal Expansion project to support the current growth of passenger traffic. The \$60 million expansion includes the terminal departure consolidation from a dual terminal check-in. The improvements also include new consolidated loading and unloading facility, curbside transportation improvements, a covered baggage drop off, apron addition, four new gates, parking lot improvements, terminal building improvements and renovation, as well as transportation improvements that include a new traffic signal and alternate entrances to the parking lots.				
	(1) TITLE AND LOCATION (City and State) Remodel and Expansion of the West Melbourne Police Dept. W. Melbourne, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2017</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) Ongoing</td> </tr> </table>		PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) Ongoing
PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) Ongoing				
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project Architect - CPH was awarded the contract for the Remodel and Expansion of the West Melbourne Police Department in 2016. The existing 10,200 s.f. building will be increased by 9,500 s.f. including the addition of new offices, a training room and evidence storage. The existing building will have a new entrance canopy and façade to match the addition. CPH will reconfigure the interior rooms for larger locker rooms and offices for police operations.				
	(1) TITLE AND LOCATION (City and State) J. Lawson Blvd. Potable Water Re-Pump Facility Orange County, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES Ongoing</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable)</td> </tr> </table>		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable)
PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable)				
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project Architect - This project includes a potable re-pump station with the ability to pump to the southern or eastern service area for the Orange County Utility Department. The re-pump station includes general piping, a building, pumps, electrical equipment, controls and future chlorination feed equipment, stand-by generator and above ground fuel tank and general site grading and improvements.				
	(1) TITLE AND LOCATION (City and State) Sanford Civic Center Sanford, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2017</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) TBD</td> </tr> </table>		PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) TBD
PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) TBD				
e.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project Architect - CPH was commissioned by Sanford's Community Development Agency to provide conceptual plans for a new "Civic Center". This proposed 18,000 square foot facility will replace the existing civic center located on Seminole Boulevard which borders Fort Mellon Park and Lake Monroe. The new facility will expand present inventory of meeting rooms and flexible banquet areas for public use in the range of 500-700 people.				

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT
(Complete one Section E for each key person.)

PSEN-18-02

12. NAME Jose M. Ortiz, MCE, P.E.	13. ROLE IN THIS CONTRACT Structural Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 20	b. WITH CURRENT FIRM 3
15. FIRM NAME AND LOCATION (City and State) CPH, Inc. / Miami, FL			
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. in Civil Engineering, Recinto Universitario de Mayaguez, UPR M.E. in Structural Engineering, Cornell University		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer – FL (No. 67920), PR (No. 17212)	

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION (City and State) OUC Warehouse Expansion and Improvements Orlando, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) 2017
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Structural Engineer - This is a design-build project for the Orlando Utilities Commission. It consists of a new 9,506 SF pre-engineered metal building warehouse addition that ties into the existing warehouse building for the Orlando Utilities Commission. This facility will store non-combustible material. The walls are metal panels with a standing seam metal roof.		
b.	(1) TITLE AND LOCATION (City and State) Englewood Warehouse & Maintenance Office Englewood, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Structural Engineer - This is a new facility for Englewood Water District that consists of a new 22,200 SF maintenance warehouse and office building. This project is primarily a pre-engineered metal building with a masonry wainscot along the main entrance. This facility will store non-combustible material. The office component is approx. 10,000 SF and the remaining area is in the warehouse.		
c.	(1) TITLE AND LOCATION (City and State) Orlando-Sanford International Airport - Terminal Expansion Sanford, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Structural Engineer - CPH is providing engineering, surveying, architectural, and MEP services for this Terminal Expansion project to support the current growth of passenger traffic. The \$60 million expansion includes the terminal departure consolidation from a dual terminal check-in. The improvements also include new consolidated loading and unloading facility, curbside transportation improvements, a covered baggage drop off, apron addition, four new gates, parking lot improvements, terminal building improvements and renovation, as well as transportation improvements that include a new traffic signal and alternate entrances to the parking lots.		
d.	(1) TITLE AND LOCATION (City and State) Monroe County Fire Station – Cudjoe Key Monroe County, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) TBD
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Structural Engineer - CPH is providing pre-design phase/programming, Schematic Design, Design Development, Construction documents, Bidding and Permitting assistance, and Construction Administration for a new 7,500 SF Fire Station on Cudjoe Key. Additional services provided will be site plan review, civil engineering, landscape architecture, and FDOT Review and Florida Green Build criteria. The building will be designed to meet or exceed Florida Green Building Coalition (FGBC) standards.		
e.	(1) TITLE AND LOCATION (City and State) DeBary Central Fire Station DeBary, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) 2017
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Structural Engineer - Provided structural design for the DeBary Fire Station Complex. The Fire Station complex is a 8000+/- SF masonry, stucco and brick accented building with an apparatus bay for 3 fire vehicles and dormitories for 6 fire fighters.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME David J. Melfi, P.E.	13. ROLE IN THIS CONTRACT M/E/P Engineer	14. YEARS EXPERIENCE <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border-right: 1px solid black; padding: 2px;">a. TOTAL 11</td> <td style="padding: 2px;">b. WITH CURRENT FIRM >1</td> </tr> </table>		a. TOTAL 11	b. WITH CURRENT FIRM >1
a. TOTAL 11	b. WITH CURRENT FIRM >1				
15. FIRM NAME AND LOCATION (City and State) CPH, Inc. / Sanford, FL / Miami, FL					
16. EDUCATION (DEGREE AND SPECIALIZATION) M.A. in Architectural Engineering, Pennsylvania State University B.A. in Architectural Engineering, Pennsylvania State University		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer – FL (No. 72405)			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)					

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State) Orlando Sanford International Airport Terminal B Expansion Sanford, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border-right: 1px solid black; padding: 2px;">PROFESSIONAL SERVICES 2017</td> <td style="padding: 2px;">CONSTRUCTION (If applicable) Ongoing</td> </tr> </table>		PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) Ongoing
PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) Ongoing				
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm M/E/P Engineer - CPH is providing engineering, surveying, architectural, and MEP services for this Terminal Expansion project to support the current growth of passenger traffic. The \$60 million expansion includes the terminal departure consolidation from a dual terminal check-in. The improvements also include new consolidated loading and unloading facility, curbside transportation improvements, a covered baggage drop off, apron addition, four new gates, parking lot improvements, terminal building improvements and renovation, as well as transportation improvements that include a new traffic signal and alternate entrances to the parking lots.				
b.	(1) TITLE AND LOCATION (City and State) Monroe County Firestation at Cudjoe Key Cudjoe Key, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border-right: 1px solid black; padding: 2px;">PROFESSIONAL SERVICES 2016</td> <td style="padding: 2px;">CONSTRUCTION (If applicable) TBD</td> </tr> </table>		PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) TBD
PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) TBD				
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm M/E/P Engineer - CPH is providing pre-design phase/programming, Schematic Design, Design Development, Construction documents, Bidding and Permitting assistance, and Construction Administration for a new 7,500 SF Fire Station on Cudjoe Key. Additional services provided will be site plan review, civil engineering, landscape architecture, and FDOT Review and Florida Green Build criteria. The building will be designed to meet or exceed Florida Green Building Coalition (FGBC) standards.				
c.	(1) TITLE AND LOCATION (City and State) W. Leesburg Neighborhood Resource Center Leesburg, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border-right: 1px solid black; padding: 2px;">PROFESSIONAL SERVICES 2016</td> <td style="padding: 2px;">CONSTRUCTION (If applicable) 2018</td> </tr> </table>		PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) 2018
PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) 2018				
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm M/E/P Engineer – CPH provided surveying, civil, landscape, architectural and M/E/P design for a new 9,000 SF Neighborhood Resource Center for the City of Leesburg. The Center will include meeting room spaces for large and small groups, a computer lab, office space for local community service providers, conference rooms for miscellaneous social groups, and a Kitchen / Café facility.				
d.	(1) TITLE AND LOCATION (City and State) OUC Pershing Warehouse Complex Orlando, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border-right: 1px solid black; padding: 2px;">PROFESSIONAL SERVICES 2016</td> <td style="padding: 2px;">CONSTRUCTION (If applicable) 2017</td> </tr> </table>		PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) 2017
PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) 2017				
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm M/E/P Engineer – CPH provided all structural, mechanical, electrical and civil engineering for the design of this new 9,506 SF pre-engineered metal building warehouse addition that ties into the existing warehouse building for the Orlando Utilities Commission. The walls are metal panels with a standing seam metal roof. There is a new pre-manufactured modular structure located within the existing warehouse that will serve as the new breakroom and restrooms for the facility.				
e.	(1) TITLE AND LOCATION (City and State) West Melbourne Police Station Renovation and Addition W. Melbourne, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border-right: 1px solid black; padding: 2px;">PROFESSIONAL SERVICES Ongoing</td> <td style="padding: 2px;">CONSTRUCTION (If applicable) TBD</td> </tr> </table>		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) TBD
PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) TBD				
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm M/E/P Engineer - CPH is providing architectural and engineering services to design a renovation to increase the existing 10,200 SF building by 9,500 SF including the addition of new offices, a training room and evidence storage. The existing building will have a new entrance canopy and façade to match the addition. CPH will reconfigure the interior rooms for larger locker rooms and offices for police operations.				

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT*(Complete one Section E for each key person.)*

12. NAME Gregory D. Taylor, M.S.E.E., P.E.	13. ROLE IN THIS CONTRACT M/E/P Engineer (Lighting)	14. YEARS EXPERIENCE a. TOTAL 33 b. WITH CURRENT FIRM >1	
15. FIRM NAME AND LOCATION (City and State) CPH, Inc. / Miami, FL			
16. EDUCATION (DEGREE AND SPECIALIZATION) M.S. in Electrical Engineering, Mercer University B.S. in Electrical Engineering, Georgia Institute of Technology		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer – FL (No. 77811)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			
19. RELEVANT PROJECTS			
(1) TITLE AND LOCATION (City and State) US 17-92 Riverwalk, Phase III (FDOT LAP) Sanford, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES Ongoing CONSTRUCTION (If applicable) TBD		
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm M/E/P Engineer – Phase III involves planning, survey and design services for a 1.7 mile extension to the existing trail. The new extension connects to the previous phase designed by CPH and is the final connection between the I-4 Corridor with the adjacent Seminole County Rinehart Trail and the downtown Sanford RiverWalk Trail system. This project followed the complete streets design elements with the provision of a Multi-Use Trail, Roadway safety improvements, Traffic Calming design, Roadway & Trail Lighting, Utility Design, Structural Seawall Design, Drainage Improvements/Design, Irrigation Design, Beautification, Hardscape and Landscape Design, Scenic Overlooks of Lake Monroe, Way-finding Design, Pedestrian Mid-Block Crossings (Rectangular Rapid Flashing Beacons), Traffic Studies, Survey, and Wetland Mitigation.			
(1) TITLE AND LOCATION (City and State) Oak Avenue Streetscape Improvements Sanford, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2018 CONSTRUCTION (If applicable) TBD		
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm M/E/P Engineer - CPH is providing design for streetscape upgrades including landscape, irrigation, hardscape and lighting along Oake Avenue between First Street and Third Street. Utility stub-outs and connections will be coordinated for future tie-ins.			
(1) TITLE AND LOCATION (City and State) W. Leesburg Neighborhood Resource Center Leesburg, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2016 CONSTRUCTION (If applicable) 2018		
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm M/E/P Engineer – CPH provided surveying, civil, landscape, architectural and M/E/P design for a new 9,000 SF Neighborhood Resource Center for the City of Leesburg. The Center will include meeting room spaces for large and small groups, a computer lab, office space for local community service providers, conference rooms for miscellaneous social groups, and a Kitchen / Café facility.			
(1) TITLE AND LOCATION (City and State) W. Central Blvd. Sanitary Sewer Replacement and Streetscape Design/Build Orlando, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2016 CONSTRUCTION (If applicable) Ongoing		
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm M/E/P Engineer - Garney Construction along with CPH was selected for the \$6.5 million dollar Design/Build project in downtown Orlando. The 0.55 mile project included upsizing the existing gravity sewer line on Central Blvd. between Glenn Ln. & Garland Ave. from an 8" sanitary sewer to a 18" & 21" sewer system. Additional improvements include complete roadway reconstruction including removal of the underlying brick, addition of left turn lanes at the existing intersections, a new traffic signal with a BRT (Bus Rapid Transit) phase, additional right-of-way and easement coordination, placing all overhead utility lines underground (including the duct bank design), complete Maintenance of Traffic Plans, incorporating landscape/hardscape features including street lighting, trees, decorative crosswalks, and street furniture.			
(1) TITLE AND LOCATION (City and State) UCF Student Expansion and Remodel Orlando, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES Ongoing CONSTRUCTION (If applicable) TBD		
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm M/E/P Engineer - CPH is providing M/E/P, Structural and Fire Protection Engineering Design Services to Zyscovich Architects for this expansion/remodel of the UCF Student Union Building on campus.			

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Christopher P. Collins, P.E.	13. ROLE IN THIS CONTRACT Project Engineer (Site Civil)	14. YEARS EXPERIENCE	
		a. TOTAL 16	b. WITH CURRENT FIRM 7

15. FIRM NAME AND LOCATION (City and State) CPH, Inc. / Miami, FL
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16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. in Civil Engineering, University of Central Florida	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer – FL (No. 73819)
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a. (1) TITLE AND LOCATION (City and State) TGK Booking Center-Design and Construction Miami-Dade County, FL (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project Engineer - The Miami-Dade Corrections and Rehabilitations Department requested CPH to provide civil, architectural, and surveying services to prepare construction documents for the addition of centralized booking to the Turner Guilford Knight Correctional Center. The final design chosen by the Corrections Department was derived from the initial study CPH previously performed. The construction documents included plans for demolition, grading, site dimensioning, structural and electrical work. All plans were prepared in accordance with the Miami-Dade County Code of Ordinances	2012	2012
b. (1) TITLE AND LOCATION (City and State) Monroe County Fire Station – Cudjoe Key Monroe County, FL (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project Engineer - CPH is providing pre-design phase/programming, Schematic Design, Design Development, Construction documents, Bidding and Permitting assistance, and Construction Administration for a new 7,500 SF Fire Station on Cudjoe Key. Additional services provided will be site plan review, civil engineering, landscape architecture, and FDOT Review and Florida Green Build criteria. The building will be designed to meet or exceed Florida Green Building Coalition (FGBC) standards.	Ongoing	Ongoing
c. (1) TITLE AND LOCATION (City and State) Public Works and Waste Management 58th Street Master Plan Miami-Dade County, FL (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project Engineer - Miami Dade County requested to have a master plan conceptual design for a 42+ acres portion of the existing Public Works and Waste Management site located on 8795 NW 58th Street in Miami-Dade County, Florida. CPH took the lead role as the project planner for the County, handling the master planning and coordination of regulatory agency meetings to assure the timely completion of the project in a cost effective manner. CPH provided space programming, concept design, and master planning of public works/waste services complex.	2016	2016
d. (1) TITLE AND LOCATION (City and State) Jackson Memorial Hospital Renovations Miami-Dade County, FL (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project Engineer - CPH was contracted by Miami-Dade County to provide services for the Jackson Memorial Hospital Renovation Project. CPH was tasked to prepare design development and construction drawings of the conceptual design prepared by Heery Design of the Alamo Plaza Renovation and the East Entrance Renovation. Professional services provided included surveying, civil engineering, architecture, arborist and landscape architecture.	2012	2012
e. (1) TITLE AND LOCATION (City and State) Islamorada Village Wide Wastewater System, Design, Build, Operate (DBO) Islamorada, FL (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project Engineer - CPH's areas of responsibility included the design and permitting of the vacuum collection system for the Island of Upper Matecumbe Key; vacuum pumping stations for the Islands of South Plantation Key, Upper Matecumbe Key and Lower Matecumbe Key; and low pressure force main collection systems for the Island of Windley Key and portions of Upper Matecumbe Key. CPH provided input data and documentation associated with areas of responsibility incorporated into the Preliminary Design Report for the overall project.	2015	2015

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Jason L. James, P.E.	13. ROLE IN THIS CONTRACT Project Engineer (Site Civil)	14. YEARS EXPERIENCE <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">a. TOTAL 11</td> <td style="width: 50%; text-align: center;">b. WITH CURRENT FIRM 11</td> </tr> </table>		a. TOTAL 11	b. WITH CURRENT FIRM 11
a. TOTAL 11	b. WITH CURRENT FIRM 11				
15. FIRM NAME AND LOCATION (City and State) CPH, Inc. / Miami, FL					
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. in Civil Engineering, University of Central Florida		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer – FL (No. 76936)			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)					

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State) TGK Booking Center-Design and Construction Miami-Dade County, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2012</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) 2012</td> </tr> </table>		PROFESSIONAL SERVICES 2012	CONSTRUCTION (If applicable) 2012
PROFESSIONAL SERVICES 2012	CONSTRUCTION (If applicable) 2012				
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project Engineer - The Miami-Dade Corrections and Rehabilitations Department requested CPH to provide civil, architectural, and surveying services to prepare construction documents for the addition of centralized booking to the Turner Guilford Knight Correctional Center. The final design chosen by the Corrections Department was derived from the initial study CPH previously performed. The construction documents included plans for demolition, grading, site dimensioning, structural and electrical work. All plans were prepared in accordance with the Miami-Dade County Code of Ordinances				
	(1) TITLE AND LOCATION (City and State) Monroe County Fire Station – Cudjoe Key Monroe County, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES Ongoing</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) Ongoing</td> </tr> </table>		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) Ongoing
PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) Ongoing				
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project Engineer - CPH is providing pre-design phase/programming, Schematic Design, Design Development, Construction documents, Bidding and Permitting assistance, and Construction Administration for a new 7,500 SF Fire Station on Cudjoe Key. Additional services provided will be site plan review, civil engineering, landscape architecture, and FDOT Review and Florida Green Build criteria. The building will be designed to meet or exceed Florida Green Building Coalition (FGBC) standards.				
	(1) TITLE AND LOCATION (City and State) Public Works and Waste Management 58th Street Master Plan Miami-Dade County, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2016</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) 2016</td> </tr> </table>		PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) 2016
PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) 2016				
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project Engineer - Miami Dade County requested to have a master plan conceptual design for a 42+ acres portion of the existing Public Works and Waste Management site located on 8795 NW 58th Street in Miami-Dade County, Florida. CPH took the lead role as the project planner for the County, handling the master planning and coordination of regulatory agency meetings to assure the timely completion of the project in a cost effective manner. CPH provided space programming, concept design, and master planning of public works/waste services complex.				
	(1) TITLE AND LOCATION (City and State) Jackson Memorial Hospital Renovations Miami-Dade County, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2012</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) 2012</td> </tr> </table>		PROFESSIONAL SERVICES 2012	CONSTRUCTION (If applicable) 2012
PROFESSIONAL SERVICES 2012	CONSTRUCTION (If applicable) 2012				
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project Engineer - CPH was contracted by Miami-Dade County to provide services for the Jackson Memorial Hospital Renovation Project. CPH was tasked to prepare design development and construction drawings of the conceptual design prepared by Heery Design of the Alamo Plaza Renovation and the East Entrance Renovation. Professional services provided included surveying, civil engineering, architecture, arborist and landscape architecture.				
	(1) TITLE AND LOCATION (City and State) Islamorada Village Wide Wastewater System, Design, Build, Operate (DBO) Islamorada, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2015</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) 2015</td> </tr> </table>		PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) 2015
PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) 2015				
e.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project Engineer - CPH's areas of responsibility included the design and permitting of the vacuum collection system for the Island of Upper Matecumbe Key; vacuum pumping stations for the Islands of South Plantation Key, Upper Matecumbe Key and Lower Matecumbe Key; and low pressure force main collection systems for the Island of Windley Key and portions of Upper Matecumbe Key. CPH provided input data and documentation associated with areas of responsibility incorporated into the Preliminary Design Report for the overall project.				

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT*(Complete one Section E for each key person.)*

12. NAME Jeremiah D. Owens, P.E., CFM	13. ROLE IN THIS CONTRACT Project Engineer (Drainage/Stormwater)	14. YEARS EXPERIENCE	
		a. TOTAL 15	b. WITH CURRENT FIRM 13
15. FIRM NAME AND LOCATION <i>(City and State)</i> CPH, Inc. / Sanford, FL / Miami, FL			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B.S in Civil Engineering, Louisiana Tech University		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Professional Engineer – FL (No. 650375)	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Certified Floodplain Manager Qualified Stormwater Management Inspector			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
a.	Spec Martin Stadium and Earl Brown Park Improvements DeLand, FL	2012	2013
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm Project Engineer- CPH was selected by the City of DeLand for the Spec Martin Stadium Improvements. The project required the development of the design/build criteria package and professional services to assist the City during the selection process. The project involved a new press box, training room and locker room additions. CPH was awarded the Earl Brown Park improvements project which will include stormwater, site design, minor roadway improvements, and parking lot design. CPH was responsible for site and stormwater design for the Wayne Sanborn Senior Center replacement project (and related parking), parking lot serving Spec Martin Stadium, parallel parking and traffic calming along Alabama Ave., an amphitheater, basketball courts, restroom/ concession building, playground area, and a hardscaped entryway feature.		
b.	Orlando Sanford International Airport Terminal Expansion Sanford, FL	2017	Ongoing
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm Project Engineer- CPH is providing engineering, surveying, architectural, and MEP services for this Terminal Expansion project to support the current growth of passenger traffic. The \$60 million expansion includes the terminal departure consolidation from a dual terminal check-in. The improvements also include new consolidated loading and unloading facility, curbside transportation improvements, a covered baggage drop off, apron addition, four new gates, parking lot improvements, terminal building improvements and renovation, as well as transportation improvements that include a new traffic signal and alternate entrances to the parking lots.		
c.	Seminole County US 17/92 CRA Stormwater Master Plan Seminole County, FL	2016	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm Project Engineer - The CPH team was selected to create a stormwater master plan for the US 17/92 CRA's 13-mile corridor. The plan includes a GIS database of construction plans, permits, maps and models within the linear corridor. Services for this project included: Data collection, review and cataloguing; FEMA floodplain mapping reviews; LiDAR acquisition; Field reconnaissance and surveys; GIS preparation; Drainage model updates in support of existing conditions analyses and BMP design development; Cost estimate preparation including property acquisition estimates; Pollutant loading calculations; and permitting considerations.		
d.	Sand Pond Road and Skyline Drive Lake Mary, FL	2011	2012
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm Project Engineer - Due to extensive flooding along Skyline Drive, CPH provided design and permitting services to the City that included construction that converted the existing 2-lane rural roadway to a 2-lane urban roadway with a closed drainage system and new stormwater ponds. The overall Sand Pond Road and Skyline Dr. construction along the 1.25 mile project corridor also included minor roadway widening, turn lane improvements, horizontal and vertical curve reconstruction, milling and resurfacing, new sidewalk on both sides of the road, retaining wall, and the extension of existing Skyline Drive from its terminus approximately 1100-feet to Emma Oaks Trail.		
e.	Oak Avenue Stormwater Pond Sanford, FL	2011	2011
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm Project Engineer - CPH provided design engineering services for a stormwater attenuation pond at the southwest corner of Oak Avenue and West 24th Place. The project included connecting to storm sewer on Oak Avenue and West 24th Place to divert some stormwater into the new pond and constructing a pond outfall that will discharge to the open ditch and culvert that lies between Oak Avenue and Park Avenue to the east.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Kurt R. Luman, Jr., P.E.	13. ROLE IN THIS CONTRACT Project Engineer (FDOT Roadway)	14. YEARS EXPERIENCE <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">a. TOTAL 19</td> <td style="width: 50%; text-align: center;">b. WITH CURRENT FIRM 18</td> </tr> </table>		a. TOTAL 19	b. WITH CURRENT FIRM 18
a. TOTAL 19	b. WITH CURRENT FIRM 18				
15. FIRM NAME AND LOCATION (City and State) CPH, Inc. / Miami, FL					
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. in Civil Engineering, University of Central Florida		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer - FL (No. 65036) Advanced Maintenance of Traffic			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)					

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State) Alabama Avenue Greenway Phase 1 & 2 (FDOT LAP) DeLand, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2011</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) 2011</td> </tr> </table>		PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable) 2011
PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable) 2011				
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager - Alabama Avenue Greenway project consisted of a Local Agency Program (LAP) project between the Florida Department of Transportation and the City of DeLand. The project included the design and CEI of a 1.4 mile shared use path from the City's Earl Brown Park to the City's Painters Pond Park located near the southern property line of Stetson University. The Alabama Avenue Greenway Phase 2 project for the City of DeLand consisted of a 0.70 mile extension of the original 1.20 mile trail.				
	(1) TITLE AND LOCATION (City and State) Sand Pond Road and Skyline Drive Lake Mary, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2011</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) 2012</td> </tr> </table>		PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable) 2012
PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable) 2012				
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager - CPH completed the Sand Pond/Skyline roadway project for the City of Lake Mary. The 1.25 mile project consisted of minor widening, turn lane improvements, safety upgrades and converting the existing two-lane rural roadway to a two-lane urban roadway with sidewalks on both sides. The project also included extending Skyline Drive from its current terminus approximately 1,100-feet to Emma Oaks Trail.				
	(1) TITLE AND LOCATION (City and State) Belle Terre Parkway Four-Laning Palm Coast, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2007</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) 2009</td> </tr> </table>		PROFESSIONAL SERVICES 2007	CONSTRUCTION (If applicable) 2009
PROFESSIONAL SERVICES 2007	CONSTRUCTION (If applicable) 2009				
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager - CPH provided complete transportation planning and design services including preliminary engineering analysis, pond siting, roadway realignment alternatives, roadway design, drainage design, traffic analysis and design, landscape architecture, utility design and coordination, right-of-way impact analysis and acquisition, design surveying, and environmental services for the Belle Terre Parkway four-laning.				
	(1) TITLE AND LOCATION (City and State) US 17-92 RiverWalk, Phase II (FDOT LAP) Sanford, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2015</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) 2015</td> </tr> </table>		PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) 2015
PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) 2015				
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager - The FDOT LAP project included 1.5 miles of 10-14 foot wide trail, replacement of 5,500 feet of seawall along Lake Monroe, trail head parking, a prefabricated pedestrian bridge over Mill Creek, hardscaping, landscaping, and lighting. The design included advanced coordination with SJRWMD and FDEP because of work within sovereign submerged lands, replacement seawall, and pedestrian bridge.				
	(1) TITLE AND LOCATION (City and State) West Georgia Avenue Streetscape and Landscaping Improvements DeLand, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2017</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) 2018</td> </tr> </table>		PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) 2018
PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) 2018				
e.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Landscape Architect - The innovative design created an Urban Shared-Street by raising the roadway to the sidewalk level. The roadway was designed with an inverted crowned section sending the storm water to the center of the street, and Old Castle Adobe concrete pavers where use in a decorative herringbone pattern down the street. Removable bollards are used to define the festival area limits at both ends of the street, which allows for closure during events. The addition of festoon (market) lights along the corridor helped create a vibrant "festival-like" atmosphere, significantly enhancing evening events.				

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Matthew C. Cushman, P.E.	13. ROLE IN THIS CONTRACT Project Engineer (FDOT Roadway)	14. YEARS EXPERIENCE <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">a. TOTAL 12</td> <td style="width: 50%; text-align: center;">b. WITH CURRENT FIRM 11</td> </tr> </table>		a. TOTAL 12	b. WITH CURRENT FIRM 11
a. TOTAL 12	b. WITH CURRENT FIRM 11				
15. FIRM NAME AND LOCATION (City and State) CPH, Inc. / DeLand, FL					
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. in Aerospace Engineering, Minor in Mathematics and Foreign Relations, Embry-Riddle Aeronautical College		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer – FL (No. 73150) Traffic Signal Inspector, IMSA Certified - FL			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)					

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State) Alabama Avenue Greenway Phase 1 & 2 (FDOT LAP) DeLand, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2011</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) 2011</td> </tr> </table>		PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable) 2011
PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable) 2011				
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project Engineer - Alabama Avenue Greenway project consisted of a Local Agency Program (LAP) project between the Florida Department of Transportation and the City of DeLand. The project included the design and CEI of a 1.4 mile shared use path from the City's Earl Brown Park to the City's Painters Pond Park located near the southern property line of Stetson University. The Alabama Avenue Greenway Phase 2 project for the City of DeLand consisted of a 0.70 mile extension of the original 1.20 mile trail.				
	(1) TITLE AND LOCATION (City and State) Sand Pond Road and Skyline Drive Lake Mary, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2011</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) 2012</td> </tr> </table>		PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable) 2012
PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable) 2012				
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project Engineer - CPH completed the Sand Pond/Skyline roadway project for the City of Lake Mary. The 1.25 mile project consisted of minor widening, turn lane improvements, safety upgrades and converting the existing two-lane rural roadway to a two-lane urban roadway with sidewalks on both sides. The project also included extending Skyline Drive from its current terminus approximately 1,100-feet to Emma Oaks Trail.				
	(1) TITLE AND LOCATION (City and State) US 17-92 RiverWalk, Phase II (FDOT LAP) Sanford, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2013</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) 2015</td> </tr> </table>		PROFESSIONAL SERVICES 2013	CONSTRUCTION (If applicable) 2015
PROFESSIONAL SERVICES 2013	CONSTRUCTION (If applicable) 2015				
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project Engineer - The FDOT LAP project included 1.5 miles of 10-14 foot wide trail, replacement of 5,500 feet of seawall along Lake Monroe, trail head parking, a prefabricated pedestrian bridge over Mill Creek, hardscaping, landscaping, and lighting. The project included the use of innovative use of best management practices and pervious pavement to minimize the impact of stormwater runoff on Lake Monroe.				
	(1) TITLE AND LOCATION (City and State) West Georgia Avenue Streetscape and Landscaping Improvements DeLand, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2017</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) 2018</td> </tr> </table>		PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) 2018
PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) 2018				
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Landscape Architect - The innovative design created an Urban Shared-Street by raising the roadway to the sidewalk level. The roadway was designed with an inverted crowned section sending the storm water to the center of the street, and Old Castle Adobe concrete pavers where use in a decorative herringbone pattern down the street. Removable bollards are used to define the festival area limits at both ends of the street, which allows for closure during events. The addition of festoon (market) lights along the corridor helped create a vibrant "festival-like" atmosphere, significantly enhancing evening events.				
	(1) TITLE AND LOCATION (City and State) DeLand Roundabout DeLand, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2017</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) 2018</td> </tr> </table>		PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) 2018
PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) 2018				
e.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project Engineer - CPH performed design and analysis services for the construction of a multi-lane roundabout along US 17-92 in DeLand Florida. As one of the first multi-lane roundabouts on a State Road in Florida (1st in District 5), the design team worked closely with FDOT District 5 and the FDOT Central Office to design and permit this intersection to service a Commercial Development along a very congested corridor. The roundabout design is currently pending final permit approval with construction to commence immediately.				

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT*(Complete one Section E for each key person.)*

12. NAME Sandra L. Gorman, P.E.	13. ROLE IN THIS CONTRACT Project Engineer (FDOT Roadway)	14. YEARS EXPERIENCE a. TOTAL 24 b. WITH CURRENT FIRM 3	
15. FIRM NAME AND LOCATION (City and State) CPH, Inc. / DeLand, FL			
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. in Civil Engineering, University of South Florida M.C.E. in Civil Engineering, University of South Florida		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer – FL (No. 59580)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) ITE, Young Transportation Professional of the Year – FSITE (2004), TBITE (2009)			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State) SR. 56 From SR 581 to Meadow Point Boulevard Pasco County, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2007	CONSTRUCTION (If applicable) 2010
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Project Engineer - Provided design support for a 3.5 mile section of a new 6 lane state road from SR 581 to Meadow Point Boulevard in Pasco County. Detailed traffic volume projections were calculated for a 30 year design horizon. Appropriate intersection geometry requirements were evaluated for inclusion in the design. A detailed CORSIM analysis was used to identify future turn lane requirements and overall roadway operations along the corridor.		
(1) TITLE AND LOCATION (City and State) Traffic Signal Warrant Analysis – SR 56 and Mansfield Pkwy Pasco County, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2010	CONSTRUCTION (If applicable) 2010
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Project Engineer - Prepared a detailed traffic signal warrant analysis for the intersection of SR 56 and Mansfield Boulevard in Pasco County. SR 56 is a new 6-lane state highway currently under construction in southeast Pasco County. The warrant analysis was performed to determine if a traffic signal would be warranted at the T-intersection upon opening of the new highway.		
(1) TITLE AND LOCATION (City and State) Mitchell Hammock Road and S. Lake Jessup Avenue Intersection Improvements Oviedo, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable)
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer - CPH is providing design services to the City of Oviedo for planned improvements including a new mast arm signal, minor roadway widening, and turn lane modifications to accommodate the addition or lengthening of left turn lanes on all four approaches.		
(1) TITLE AND LOCATION (City and State) US 17-92 Riverwalk, Phase III (FDOT LAP) Sanford, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) TBD
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer – Phase III involves planning, survey and design services for a 1.7 mile extension to the existing trail. The new extension connects to the previous phase designed by CPH and is the final connection between the I-4 Corridor with the adjacent Seminole County Rinehart Trail and the downtown Sanford RiverWalk Trail system. This project followed the complete streets design elements with the provision of a Multi-Use Trail, Roadway safety improvements, Traffic Calming design, Roadway & Trail Lighting, Utility Design, Structural Seawall Design, Drainage Improvements/Design, Irrigation Design, Beautification, Hardscape and Landscape Design, Scenic Overlooks of Lake Monroe, Way-finding Design, Pedestrian Mid-Block Crossings (Rectangular Rapid Flashing Beacons), Traffic Studies, Survey, and Wetland Mitigation.		
(1) TITLE AND LOCATION (City and State) Downtown Parking Study Titusville, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable)
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer - CPH provided services for the Downtown Parking Study for the City of Titusville. The purpose of the parking study is to provide access to downtown amenities and businesses during both regular business hours and periods of special events. CPH provided the following services: Existing Parking Analysis, Analysis of Future Parking Needs, Public Input, and Recommendations.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT*(Complete one Section E for each key person.)*

12. NAME David E. Mahler, P.E.	13. ROLE IN THIS CONTRACT Project Engineer	14. YEARS EXPERIENCE a. TOTAL 27 b. WITH CURRENT FIRM 18	
15. FIRM NAME AND LOCATION (City and State) CPH / Orlando/Miami, FL			
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. in Environmental Engineering, University of Central Florida		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer – FL (No. 50041)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION (City and State) S.R. 50 Utility Relocations (FDOT JPA) Orange County, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) Ongoing	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager – CPH has provided improvements to over 13 miles of the water distribution system and wastewater collection and transmission system within the SR-50 Corridor, one of the busiest roads in Central Florida – which is being expanded from 4-lanes to 6-lanes. The utility improvements include building new facilities as well as the removal of facilities in conflict with the FDOT roadway design.			
b.	(1) TITLE AND LOCATION (City and State) Lake Alfred WWTF Upgrade and Expansion Project Lake Alfred, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2008	CONSTRUCTION (If applicable) 2008	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Principal-in-Charge - The project consisted of designing and permitting the replacement of the existing 0.600 MGD trickling filter facility with a new 1.0 MGD modified activated sludge process WWTF. The design included adding a new pretreatment headworks, new 1.0 MGD rated WWTF (anoxic zones, aeration basins, and clarifiers), and new microscreen filtration (two units).			
c.	(1) TITLE AND LOCATION (City and State) City of Punta Gorda Bidding & Construction Engineering Services for City's Wastewater Treatment Plant Filtration Project Punta Gorda, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2014	CONSTRUCTION (If applicable) 2014	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Principal-in-Charge - CPH performed CEI services for the \$3.3 million expansion to the Punta Gorda WWTF. This project included the construction of a 4.0 MGD Deep Bed Sand Filter, three (3) pump stations, effluent sampling structure, new disinfection equipment, new chemical addition (polymer) facilities, and all associated improvements at the City of Punta Gorda WWTP.			
d.	(1) TITLE AND LOCATION (City and State) Winter Garden Crest Avenue WWTF Flow Equalization Basin and Pumping Improvements Winter Garden, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2014	CONSTRUCTION (If applicable) 2014	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Principal-in-Charge - CPH provided construction administration (C/A) services to the City of Winter Garden related to the Crest Avenue WWTF Flow Equalization Basin and Pumping improvements project. This work included preliminary design, design, permitting, bidding and C/A for the construction of a 0.75 million gallon prestressed concrete flow equalization basin (FEB) at the City of Winter Garden's existing 5 Stage Bardenpho process wastewater treatment facility (WWTF).			
e.	(1) TITLE AND LOCATION (City and State) City of Oviedo Water Reclamation Facility (Formerly known as Alafaya Utilities) Oviedo, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION (If applicable) 2012	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Principal-in-Charge - CPH designed and permitted the Headworks and Surge Tank Improvements for Alafaya Water Reclamation Facility (WRF). This project included a new mechanical bar screen unit and concrete structure, with an automatic bypass to a fix bar screen, designed for a peak flow rate of 7.2 MGD; a new master lift station with three submersible pumps each having a pumping capacity of 2,500 gpm; a 500,000 gallon surge with a new coarse bubble air diffuser system; two (2) new positive displacement blowers, each having a capacity of 700 scfm; surge pump station consisting of five (5), VFD controlled pumps with a pumping capacity of 420 gpm each; improvements to the facilities decant system; electrical and controls upgrades; and all associated site work and demolition.			

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT
(Complete one Section E for each key person.)

12. NAME Scott A. Breitenstein, P.E.	13. ROLE IN THIS CONTRACT Project Engineer	14. YEARS EXPERIENCE a. TOTAL 26 b. WITH CURRENT FIRM 16	
15. FIRM NAME AND LOCATION (City and State) CPH / Orlando/Miami, FL			
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. in Environmental Engineering, University of Central Florida		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer – FL	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

19. RELEVANT PROJECTS

a. (1) TITLE AND LOCATION (City and State) Grand Island Shores Booster Station Eustis, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2008	CONSTRUCTION (If applicable) 2009
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Program Manager- provided design, permitting, bidding, and construction administration (CA) services for this project. The project included the design of a potable water booster station, which was necessary for the City to provide because of pressure concerns during high water use days. The booster station design features included a 500,000 gallon reinforce concrete ground storage tank, two 1,500 gallon per minute high service pumps with 75 horsepower variable frequency drive motors, disinfection system that includes two sodium hypochlorite pumps mounted on a skid and solution tanks, and a 400 kilowatt diesel driven generator for emergency power. [X] Check if project performed with current firm		
b. (1) TITLE AND LOCATION (City and State) Oakland Water System Improvements Project Oakland, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2013	CONSTRUCTION (If applicable) 2015
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager - The Town authorized services for CPH to design, permit, bid and provide construction administration for improvements to their existing water system. The improvements were originally recommended in the master plan effort by CPH previously performed for the Town. In addition, CPH assisted the Town with obtaining a FDEP SRF loan for \$1.973 Million to install the water system improvements. [X] Check if project performed with current firm		
c. (1) TITLE AND LOCATION (City and State) Eustis Eastern WTP Eustis, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2006	CONSTRUCTION (If applicable) 2007
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager - This project required extensive permitting with various agencies, including a Consumptive Use Permit (CUP) from the SJRWMD, a FDEP water treatment plant construction permit, and an application process and approval from the Lake County Site Plan Review Department. The Eustis Eastern WTP was designed and permitted as a two phase project, and was constructed over a 3-year period. The design included 250,000 gal. HSP, 2 wells, high service pumping and operation building. [X] Check if project performed with current firm		
d. (1) TITLE AND LOCATION (City and State) Pump Station 3028, 3202, & 3014 Replacement and Rehabilitation Orange County, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) 2017
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager - CPH provided engineering services to OCU for the replacement of three pump stations with three new duplex stations, which meet Orange County pump station standards. CPH provided the preliminary and final design services as well as the permitting and bidding services. We are also providing limited construction administrative services. [X] Check if project performed with current firm		
e. (1) TITLE AND LOCATION (City and State) Haines City Water Treatment System Upgrades for Control of Disinfection By-Products (DBPs) Haines City, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) 2017
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer – CPH provided complete design and construction management services for treatment system upgrades at WTP No. 1 and WTP No. 2 to control DBPs for compliance with Stage 2 DBP requirements. The goal of the Project is to control DBPs to below a target goal of 60 µg/L for trihalomethanes (THMs) and 40 µg/L for haloacetic acids (HAAs). [X] Check if project performed with current firm		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT*(Complete one Section E for each key person.)*

12. NAME James R. Morris, Jr., P.E.	13. ROLE IN THIS CONTRACT Project Engineer	14. YEARS EXPERIENCE a. TOTAL 17 b. WITH CURRENT FIRM 12	
15. FIRM NAME AND LOCATION (City and State) CPH / Orlando/Miami, FL			
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. in Environmental Engineering, University of Central Florida		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer – FL (No. 62384) Commercial Pilot License (No. 266577109)	

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION (City and State) S.R. 50 Utility Relocations (FDOT JPA) Orange County, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2013	CONSTRUCTION (If applicable) 2017	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer – CPH has provided improvements to over 13 miles of the water distribution system and wastewater collection and transmission system within the SR-50 Corridor, one of the busiest roads in Central Florida – which is being expanded from 4-lanes to 6-lanes. The utility improvements include building new facilities as well as the removal of facilities in conflict with the FDOT roadway design.			
b.	(1) TITLE AND LOCATION (City and State) FDOT I-4 Ultimate Project: City of Orlando Orlando, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) Ongoing	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager - CPH is providing all design review and construction oversight on behalf of the City of Orlando Wastewater for all system infrastructure impacts associated with the FDOT Ultimate I-4 Project. CPH is serving as the City of Orlando's representative for reviewing and approving all relocation plans and project specifications prepared by SGL's design team. Additionally, CPH is responsible for shop drawing review and approval, permit review, review of all supporting documents, review as-built, reply to RFI's on the City's behalf, working with SGL to provide solutions to any conflicts during construction and provide full time CEI services.			
c.	(1) TITLE AND LOCATION (City and State) Lake Alfred WWTF Upgrade and Expansion Project Lake Alfred, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2008	CONSTRUCTION (If applicable) 2008	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer - The project consisted of designing and permitting the replacement of the existing 0.600 MGD trickling filter facility with a new 1.0 MGD modified activated sludge process WWTF. The design included adding a new pretreatment headworks, new 1.0 MGD rated WWTF (anoxic zones, aeration basins, and clarifiers), and new microscreen filtration (two units).			
d.	(1) TITLE AND LOCATION (City and State) Simpson Road 30" Water Main Project Kissimmee, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) 2016	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer - TWA needed to extend a 30" water main from their Parkway Water Treatment Plant north along Simpson Road to just south of Boggy Creek Road. This phase of the Project consisted of approximately 5,300 l.f. of conventionally installed Ductile Iron 30" water main Right of way, 1,080 l.f. of 30" fusible PVC installed within 1,060 l.f. of directionally drilled 36" fusible PVC casing pipe across the Florida Turnpike. All work was performed in and along the rights of way of Osceola County and the FDOT.			
e.	(1) TITLE AND LOCATION (City and State) Highlands Gravity Sewer and Water Main Replacement Kissimmee, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION (If applicable) 2014	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer - This project included engineering and permitting services needed to replace approximately 8,300 feet each of aged gravity sewer (8") and small diameter water main [6,650 (6") and 1,750 (8")] along Coral Avenue, North Beaumont Avenue, Highland Avenue, Martina Avenue, Milton Avenue, and West Jackson Street between West Carroll Street and West Donegan Avenue. This project had over 240 service connections within the projects residential streets that required both new water and sewer connections. CPH provided all design services including survey and geotechnical coordination, preplanning and coordination with Osceola County, project design, permitting, bidding services, and assisted with public meetings.			

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT*(Complete one Section E for each key person.)*

12. NAME Mason Gardberg, E.I.	13. ROLE IN THIS CONTRACT Project Engineer	14. YEARS EXPERIENCE a. TOTAL 5 b. WITH CURRENT FIRM 5	
15. FIRM NAME AND LOCATION (City and State) CPH / Orlando/Miami, FL			
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. in Environmental Engineering and Civil Engineering (double major) University of Central Florida		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Engineering Intern – FL (No. 1100018416)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			
19. RELEVANT PROJECTS			
a. (1) TITLE AND LOCATION <i>(City and State)</i> S.R. 50 Utility Relocations (Phase III) Orange County, FL	(2) YEAR COMPLETED		
	PROFESSIONAL SERVICES 2013	CONSTRUCTION <i>(If applicable)</i> 2017	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project Engineer – This third phase of the 13 mile project, from Dean Road to Old Cheney Highway, includes improvements to the water distribution system and wastewater collection and transmission system within the S.R. 50 Corridor, one of the busiest roads in Central Florida – the road segment was expanded from 4-lanes to 6-lanes. Assisted the project manager on the design, permitting, and construction administration services.			
b. (1) TITLE AND LOCATION <i>(City and State)</i> Lift Station No. 6 Rehabilitation and Reconfiguration Kissimmee, FL	(2) YEAR COMPLETED		
	PROFESSIONAL SERVICES 2013	CONSTRUCTION <i>(If applicable)</i> 2014	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project Engineer – Assisted the project manager in the design, permitting and construction administration of the rehabilitation and reconfiguration at TWA's master lift station by reconfiguring and replacing manholes and piping. Approximately 970 lineal feet of force main and gravity main ranging in size from 6-inch to 30-inch and associated manholes were replaced and reconfigured. The yard piping was reconfigured to enter a new 8' x10' collection structure prior to entering the existing wet well.			
c. (1) TITLE AND LOCATION <i>(City and State)</i> Hydraulic Modeling for Village of Islamorada Islamorada, FL	(2) YEAR COMPLETED		
	PROFESSIONAL SERVICES 2014	CONSTRUCTION <i>(If applicable)</i> 2015	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project Engineer – Developed a hydraulic model using Bentley SewerCAD to model approximately 16 miles of force main, from Lower Matecumbe Key to Plantation Key. The model consisted of approximately 600 lift stations being modeled to simulate future conditions.			
d. (1) TITLE AND LOCATION <i>(City and State)</i> S.R. 15 Utility Relocation Orange County, FL	(2) YEAR COMPLETED		
	PROFESSIONAL SERVICES 2014	CONSTRUCTION <i>(If applicable)</i>	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project Engineer – SR 15 Utility Relocations is a 4 mile project, from Conway Road to Lee Vista Boulevard, includes improvements to the water distribution system and wastewater collection and transmission system. Assisted the project manager on the design, permitting, and construction administration services.			
e. (1) TITLE AND LOCATION <i>(City and State)</i> FDOT I-4 Ultimate Project: City of Orlando Orlando, FL	(2) YEAR COMPLETED		
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i> Ongoing	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project Engineer - CPH is providing all design review and construction oversight on behalf of the City of Orlando Wastewater for all system infrastructure impacts associated with the FDOT Ultimate I-4 Project. CPH is serving as the City of Orlando's representative for reviewing and approving all relocation plans and project specifications prepared by SGL's design team. Additionally, CPH is responsible for shop drawing review and approval, permit review, review of all supporting documents, review as-built, reply to RFI's on the City's behalf, working with SGL to provide solutions to any conflicts during construction and provide full time CEI services.			

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT*(Complete one Section E for each key person.)*

12. NAME Roberto “Robbie” Gonzalez, P.E.	13. ROLE IN THIS CONTRACT Project Engineer (Water Process)	14. YEARS EXPERIENCE a. TOTAL 22 b. WITH CURRENT FIRM 4	
15. FIRM NAME AND LOCATION <i>(City and State)</i> CPH, Inc. / Orlando/Miami, FL			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> M.S. in Environmental Sciences, University of Central Florida B.S. in Mechanical Engineering, University of Central Florida B.S. in Environmental Engineering, University of Central Florida		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Professional Engineer – FL (No. 56875)	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i>			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> JEA Ponce de Leon WTP Pump Building & Reservoir Replacement Jacksonville, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2015	CONSTRUCTION <i>(If applicable)</i> 2016
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm Project Engineer – CPH provided engineering services to JEA for the Ponce de Leon Water Treatment Plant Pump Building and Reservoir Replacement. CPH has provided the preliminary and final design services as well as the permitting services. We also provided limited construction administrative services. The existing facility had a permitted capacity of 0.865 mgd.		
(1) TITLE AND LOCATION <i>(City and State)</i> Haines City Water Treatment System Upgrades for Control of Disinfection By-Products (DBPs) Haines City, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2015	CONSTRUCTION <i>(If applicable)</i> 2017
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm Project Engineer – CPH provided complete design and construction management services for treatment system upgrades at WTP No. 1 and WTP No. 2 to control DBPs for compliance with Stage 2 DBP requirements. The goal of the Project is to control DBPs to below a target goal of 60 µg/L for trihalomethanes (THMs) and 40 µg/L for haloacetic acids (HAAs).		
(1) TITLE AND LOCATION <i>(City and State)</i> City of Sanford's Water Treatment Plant No. 2 – Disinfection By-Product Reduction Improvements Sanford, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2013	CONSTRUCTION <i>(If applicable)</i> 2014
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm Project Engineer – CPH provided the design of improvements to the City of Sanford's Water Treatment Plant No. 2. The improvements were part of an overall project being funded through FDEP # DW590120, to comply with the stage 2 of the Disinfection By-Products Rule. Water Plant No. 2 is rated for 4.6 MGD ADF and furnishes conventional aeration and disinfection treatment prior to distribution to Sanford's water customers. The improvements were designed to remove the organics from the raw water, which were identified as precursors of disinfection by-products (TTHM's)		
(1) TITLE AND LOCATION <i>(City and State)</i> City of Winter Springs Reclaimed Water, Augmentation CUP Winter Springs, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2007	CONSTRUCTION <i>(If applicable)</i> N/A
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm Project Engineer - CPH was retained by the City of Winter Springs to complete the required St. Johns River Water Management District (SJRWMD) application and all the necessary support documents to obtain a new Consumptive Use Permit (CUP) to allow for surface water withdrawal from Lake Jesup. In addition, the City wanted to permit the use of an existing artesian well that was free flowing into the lake. The permit duration requested and received was a 20 year CUP.		
(1) TITLE AND LOCATION <i>(City and State)</i> JEA Otter Run WTP Renewal and Replacement Jacksonville, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i> 2017
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm Project Engineer - This work included evaluating the existing water treatment facility and make recommendations for upgrading the existing plant to include a removal and replacement of the high service pumps, above ground storage tanks, aerator, sodium hypochlorite system and the electrical equipment.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT
(Complete one Section E for each key person.)

12. NAME Yinhui (Lucida) Xu, Ph.D., P.E.	13. ROLE IN THIS CONTRACT Wastewater Process Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 11	b. WITH CURRENT FIRM 11
15. FIRM NAME AND LOCATION (City and State) CPH / Sanford/Miami, FL			
16. EDUCATION (DEGREE AND SPECIALIZATION) Ph.D. in Civil Engineering, Auburn University (GPA 4.0) M. S. and B.S. in Environmental Engineering, Donghua University, Shanghai, China		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer - FL (No. 72186)	

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Technical Publications -

1. Yinhui Xu, Dongye Zhao, and Prabhakar Clement (2008). *Journal of Environmental Engineering (ASCE)*, Vol. 134, No. 4, 238-246.
2. Yinhui Xu and Dongye Zhao (2007). *Water Research*, Vol. 41, 2101-2108.
3. Yinhui Xu and Dongye Zhao (2006). *Industrial and Engineering Chemistry Research*, Vol. 45, No. 22, 7380-7387.
4. Yinhui Xu and Dongye Zhao (2006). *Industrial and Engineering Chemistry Research*, Vol. 45, No. 5, 1758-1765
5. Yinhui Xu and Dongye Zhao (2005). *Environmental Science and Technology*, Vol. 39, No. 7, 2369-2375

U.S. Patent- Dongye Zhao and Yinhui Xu, "In Situ Remediation of Inorganic Contaminants Using Stabilized Iron Nanoparticles", U.S. Patent 7635236B2.

Awards - 2006 — "Outstanding Student Presentation" in the Division of Geochemistry Symposium at the ACS national meeting held in Atlanta GA, March, 2006 — Outstanding International Graduate Student, Auburn University, 2006 — AWEA (Alabama's Water Environment Association) Outstanding Graduate Student Scholarship Award, 2006 — AWWA (American Water Works Association) AL-MS Outstanding Graduate Student Scholarship Award

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION (City and State) Dunes CDD WWTP Improvements Palm Coast, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) TBD
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm			
Project Manager - CPH is providing planning, design, permitting, and construction services for the DCDD WWTP improvements. Overall the WWTP expansion includes: (1) addition of equalization basins for the existing treatment facility and the new expansion; (2) addition of one 0.21 MGD SBR treatment process; (3) new aerobic digesters; (4) sludge thickening improvements by adding a dewatering box and rehabbing the existing sludge drying beds; (5) demolition of the existing digesters and use the site to build a new storage room; and (6) all the associated electrical and control improvements.			
b.	(1) TITLE AND LOCATION (City and State) Palm Coast WRF MBR BNR Project Palm Coast, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) 2017
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm			
Project Engineer - CPH designed the City of Palm Coast WWTP No. 2. The WWTP No. 2 provides advanced treatment of wastewater (AWT) using the Membrane Bioreactor (MBR) technology. The process includes pre-treatment, flow equalization basins, anaerobic basins, pre-anoxic basins, aeration basins, post anoxic basins, MBR basins, disinfection basins, and sludge dewatering. The plant is rated at an initial capacity of 2.0 MGD expandable to 6.0 MGD.			
c.	(1) TITLE AND LOCATION (City and State) City of Sanford's Water Treatment Plant No. 2 – Disinfection By-Product Reduction Improvements Sanford, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2013	CONSTRUCTION (If applicable) 2014
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm			
Project Engineer - CPH provided the design of improvements to the City of Sanford's Water Treatment Plant No. 2. Water Plant No. 2 is rated for 4.6 MGD ADF and furnishes conventional aeration and disinfection treatment prior to distribution to Sanford's water customers. The improvements were designed to remove the organics from the raw water, which were identified as precursors of disinfection by-products (TTHM's)			
d.	(1) TITLE AND LOCATION (City and State) Sanford Surface Water CUP Compliance Report Sanford, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm			
Project Engineer- CPH was responsible for preparing the SJRWMD required submittal documents for the City's surface water CUP five year compliance report and assisted in responding to the first two RALs.			
e.	(1) TITLE AND LOCATION (City and State) City of Sanford Water Facilities Plan Sanford, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2009	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm			
Project Engineer- CPH was responsible for preparing the City's Water Facilities Plan to assist the stimulus grant application. The City was awarded the grant.			

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT*(Complete one Section E for each key person.)*

12. NAME Benjamin Fries	13. ROLE IN THIS CONTRACT Wastewater Process Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 31	b. WITH CURRENT FIRM 31
15. FIRM NAME AND LOCATION <i>(City and State)</i> CPH / Sanford/Miami, FL			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> M.S. in Environmental Engineering, University of Central Florida B.S. in Environmental Engineering, University of Central Florida		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i>	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i>			

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION <i>(City and State)</i> Sanford North WRF - Biological Nutrient Removal Expansion (BNR) Design and CEI Sanford, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i> Ongoing	
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager –The City selected CPH to evaluate the nutrient removal technologies available to meet the low TN and TP concentrations, develop a methodology to evaluate the technologies and select and design, for implementation, a cost-effective, energy-efficient and reliable BNR treatment system to meet these mandated requirements in the Administrative Order. Based on the preliminary screening process (first-level), criteria weighting (pair-wise) analysis and the final screening process (second-level), the BIODENIPHO Process, a highly energy-efficient and automated nutrient removal technology was selected as the preferred alternative. CPH recently completed the design for this WRF and is currently providing Construction Administration services.			
b.	(1) TITLE AND LOCATION <i>(City and State)</i> Sanford Class "A" Biosolids Management System Sanford, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2007	CONSTRUCTION <i>(If applicable)</i> 2008	
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager – CPH worked with the City of Sanford to determine the best methods available to them for better handling and disposal of the sludge produced in treatment of wastewater. Research by CPH, and subsequent site visits and evaluations by CPH and City personnel, resulted in the selection of sludge drying as the best method to meet the City's needs. CPH provided site and building design, permitting, equipment coordination and layout, and construction supervision and inspection services for the new Class "A" Biosolids System.			
c.	(1) TITLE AND LOCATION <i>(City and State)</i> Palm Coast WRF MBR BNR Project Palm Coast, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2015	CONSTRUCTION <i>(If applicable)</i> 2017	
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer - CPH designed the City of Palm Coast WWTP No. 2. The WWTP No. 2 provides advanced treatment of wastewater (AWT) using the Membrane Bioreactor (MBR) technology. The process includes pre-treatment, flow equalization basins, anaerobic basins, pre-anoxic basins, aeration basins, post anoxic basins, MBR basins, disinfection basins, and sludge dewatering. The plant is rated at an initial capacity of 2.0 MGD expandable to 6.0 MGD.			
d.	(1) TITLE AND LOCATION <i>(City and State)</i> City of Sanford's Water Treatment Plant No. 2 – Disinfection By-Product Reduction Improvements Sanford, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2013	CONSTRUCTION <i>(If applicable)</i> 2014	
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager –CPH provided the design of improvements to the City of Sanford's Water Treatment Plant No. 2. The improvements were part of an overall project being funded through FDEP # DW590120, to comply with the stage 2 of the Disinfection By-Products Rule. Water Plant No. 2 is rated for 4.6 MGD ADF and furnishes conventional aeration and disinfection treatment prior to distribution to Sanford's water customers. The improvements were designed to remove the organics from the raw water, which were identified as precursors of disinfection by-products (TTHM's)			
e.	(1) TITLE AND LOCATION <i>(City and State)</i> Sanford South WRC BNR Improvements and Treatment Capacity Expansion Sanford, FL	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2015	CONSTRUCTION <i>(If applicable)</i> 2016	
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager - CPH provided planning, design, permitting and construction engineering, inspection and management (CEIM) services for the upgrades and expansion of the Sanford South Water Resource Center. The project goals were to enhance the operation of the BNR facility through an automated nutrient monitoring and control system, reduce the energy requirements of the BNR system while still continuing to meet the Advanced Wastewater Treatment (AWT) standards and expansion of the treatment capacity by 1.0 million gallons per day (MGD).			

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT
(Complete one Section E for each key person.)

12. NAME Dave Refling, P.E., BCEE	13. ROLE IN THIS CONTRACT Wastewater Process Engineer	14. YEARS EXPERIENCE a. TOTAL 42	
15. FIRM NAME AND LOCATION (City and State) CPH / Sanford/Miami, FL			
16. EDUCATION (DEGREE AND SPECIALIZATION) M.S. in Environmental Engineering, Johns Hopkins University B.S. in Physics, University of Wisconsin		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer- FL (No. 31107)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State) Sanford North WRF - Biological Nutrient Removal Expansion (BNR) Design and CEI Sanford, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES Ongoing	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm a. Project Engineer- The City selected CPH to evaluate the nutrient removal technologies available to meet the low TN and TP concentrations, develop a methodology to evaluate the technologies and select and design, for implementation, a cost-effective, energy-efficient and reliable BNR treatment system to meet these mandated requirements in the Administrative Order. Based on the preliminary screening process (first-level), criteria weighting (pair-wise) analysis and the final screening process (second-level), the BIODENIPHO Process, a highly energy-efficient and automated nutrient removal technology was selected as the preferred alternative. CPH recently completed the design for this WRF and is currently providing Construction Administration services.		
(1) TITLE AND LOCATION (City and State) Volusia SW Regional Water Reclamation Facility BNR Improvements Volusia County, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2016	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm b. Project Designer – CPH provided planning, design, permitting, and construction administration and inspection for upgrades to the Southwest Regional Water Reclamation Facility to meet Advanced Wastewater Treatment standards and expansion of the treatment capacity by up to 1.0 million gallons per day (MGD). CPH reviewed the existing conditions, evaluated upgrades to meet AWT standards, evaluated nutrient removal alternatives and developed alternative costs for Volusia County as well as providing grant and appropriations funding assistance.		
(1) TITLE AND LOCATION (City and State) Palm Coast WRF MBR BNR Project Palm Coast, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2015	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm c. Project Engineer - CPH designed the City of Palm Coast WWTP No. 2. The WWTP No. 2 provides advanced treatment of wastewater (AWT) using the Membrane Bioreactor (MBR) technology. The process includes pre-treatment, flow equalization basins, anaerobic basins, pre-anoxic basins, aeration basins, post anoxic basins, MBR basins, disinfection basins, and sludge dewatering. The plant is rated at an initial capacity of 2.0 MGD expandable to 6.0 MGD.		
(1) TITLE AND LOCATION (City and State) Blue Heron WRF and Osprey WRF FDEP Operations Permit Renewals and Blue Heron WRF Aeration Equipment Replacement Evaluation Titusville, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2013	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm d. Project Engineer- Provide engineering services to the City of Titusville for Operations Permit Renewals for the Blue Heron and Osprey Water Reclamation Facilities. CPH will also provide engineering services associated with evaluation and implementation of the proposed aeration equipment replacement at the Blue Heron WRF and post-construction process performance review.		
(1) TITLE AND LOCATION (City and State) City of Sanford's Water Treatment Plant No. 2 – Disinfection By-Product Reduction Improvements Sanford, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2013	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm e. Project Designer - CPH provided the design of improvements to the City of Sanford's Water Treatment Plant No. 2. The improvements were part of an overall project being funded through FDEP # DW590120, to comply with the stage 2 of the Disinfection By-Products Rule. Water Plant No. 2 is rated for 4.6 MGD ADF and furnishes conventional aeration and disinfection treatment prior to distribution to Sanford's water customers. The improvements were designed to remove the organics from the raw water, which were identified as precursors of disinfection by-products (TTHM's)		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Maxwell D. Spann, PLA, APA, CLARB	13. ROLE IN THIS CONTRACT Landscape Architect	14. YEARS EXPERIENCE <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">a. TOTAL 17</td> <td style="width: 50%; text-align: center;">b. WITH CURRENT FIRM 2</td> </tr> </table>		a. TOTAL 17	b. WITH CURRENT FIRM 2
a. TOTAL 17	b. WITH CURRENT FIRM 2				
15. FIRM NAME AND LOCATION (City and State) CPH, Inc. / Miami, FL					
16. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Landscape Architecture, Kansas State University		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Landscape Architect – FL (No. 6666780) CLARB Certified – (No. 31691)			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) American Planning Association, American Public Gardens Association, Florida Chapter ASLA – Orlando Section Chair					

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State) US 17-92 Riverwalk, Phase III (FDOT LAP) Sanford, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES Ongoing</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) TBD</td> </tr> </table>		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) TBD
PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) TBD				
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Landscape Architect – Phase III involves planning, survey and design services for a 1.7 mile extension to the existing trail. The new extension connects to the previous phase designed by CPH and is the final connection between the I-4 Corridor with the adjacent Seminole County Rinehart Trail and the downtown Sanford RiverWalk Trail system. This project followed the complete streets design elements with the provision of a Multi-Use Trail, Roadway safety improvements, Traffic Calming design, Roadway & Trail Lighting, Utility Design, Structural Seawall Design, Drainage Improvements/Design, Irrigation Design, Beautification, Hardscape and Landscape Design, Scenic Overlooks of Lake Monroe, Way-finding Design, Pedestrian Mid-Block Crossings (Rectangular Rapid Flashing Beacons), Traffic Studies, Survey, and Wetland Mitigation.				
	(1) TITLE AND LOCATION (City and State) Cape Coral SE 47th Terrace Streetscape Improvements Cape Coral, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2016</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) Ongoing</td> </tr> </table>		PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) Ongoing
PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) Ongoing				
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Landscape Architect - CPH is providing design and construction engineering services for the streetscape improvements of SE 47th Terrace from Coronado Parkway to Del Prado Blvd. The improvements will include sidewalks with pavers, landscaping, road reconstruction, removal of on-street parking, off-street parking modifications, streetlights, traffic analysis and calming, raised mid-block pedestrian crossings, street furniture, ADA improvements, and drainage modifications/upgrades.				
	(1) TITLE AND LOCATION (City and State) MLK Recreation Center Master Plan DeLand, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2018</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) N/A</td> </tr> </table>		PROFESSIONAL SERVICES 2018	CONSTRUCTION (If applicable) N/A
PROFESSIONAL SERVICES 2018	CONSTRUCTION (If applicable) N/A				
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Landscape Architect – CPH has been selected to provide master planning design services for improvements on the MLK Recreation Center site. Currently, CPH has completed the preparation of three (3) rendered concept plans, on schedule.				
	(1) TITLE AND LOCATION (City and State) Orlando Sanford International Airport Terminal Expansion Sanford, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2017</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) Ongoing</td> </tr> </table>		PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) Ongoing
PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) Ongoing				
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project Architect - CPH is providing engineering, surveying, architectural, and MEP services for this Terminal Expansion project to support the current growth of passenger traffic. The \$60 million expansion includes the terminal departure consolidation from a dual terminal check-in. The improvements also include new consolidated loading and unloading facility, curbside transportation improvements, a covered baggage drop off, apron addition, four new gates, parking lot improvements, terminal building improvements and renovation, as well as transportation improvements that include a new traffic signal and alternate entrances to the parking lots.				
	(1) TITLE AND LOCATION (City and State) W. Central Blvd. Sanitary Sewer Replacement and Streetscape Design/Build Orlando, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2016</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) Ongoing</td> </tr> </table>		PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) Ongoing
PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) Ongoing				
e.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Landscape Architect - Garney Construction along with CPH was selected for the \$6.5 million dollar Design/Build project in downtown Orlando. The 0.55 mile project included upsizing the existing gravity sewer line on Central Blvd. between Glenn Ln. & Garland Ave. from an 8" sanitary sewer to a 18" & 21" sewer system. Additional improvements include complete roadway reconstruction including removal of the underlying brick, addition of left turn lanes at the existing intersections, a new traffic signal with a BRT (Bus Rapid Transit) phase, additional right-of-way and easement coordination, placing all overhead utility lines underground (including the duct bank design), complete Maintenance of Traffic Plans, incorporating landscape/hardscape features including street lighting, trees, decorative crosswalks, and street furniture.				

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT
(Complete one Section E for each key person.)

PSEN-18-02

12. NAME James K. Winter, RLA, CLARB	13. ROLE IN THIS CONTRACT Landscape Design	14. YEARS EXPERIENCE	
		a. TOTAL 36	b. WITH CURRENT FIRM 12
15. FIRM NAME AND LOCATION (City and State) CPH, Inc. / Sanford/Miami, FL			
16. EDUCATION (DEGREE AND SPECIALIZATION) B.A. in Landscape Architecture, Mississippi State University		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Registered Landscape Architect – FL (No. 0000911) CLARB Certified – (No. 5203)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION (City and State) Sand Pond Road and Skyline Drive Stormwater and Roadway Improvements Lake Mary, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable) 2012
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Landscape Architect - 1.25 mile project also included minor roadway widening, turn lane improvements, horizontal and vertical curve reconstruction, milling and resurfacing, new sidewalk on both sides of the road, retaining wall, and the extension of existing Skyline Drive approximately 1100-feet. <div align="right"><input checked="" type="checkbox"/> Check if project performed with current firm</div>		
b.	(1) TITLE AND LOCATION (City and State) US 17-92 Riverwalk, Phase II & III (FDOT LAP) Sanford, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2013	CONSTRUCTION (If applicable) Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Landscape Architect – Phase II of this FDOT LAP project included 1.5 miles of 10-14 foot wide trail, replacement of 5,500 feet of seawall along Lake Monroe, trail head parking, a prefabricated pedestrian bridge over Mill Creek, hardscaping, landscaping, and lighting. The design included advanced coordination with SJRWMD and FDEP because of work within sovereign submerged lands, replacement seawall, and pedestrian bridge. Due to the need for the trail to comply with ADA 2% maximum cross slope requirements, retaining walls were used in some areas to provide the necessary flat area, and simultaneously provided 100 year flood plain compensation – a requirement of the SJRWMD. Phase III involves planning, survey and design services for a 1.7 mile extension to the existing trail. <div align="right"><input checked="" type="checkbox"/> Check if project performed with current firm</div>		
c.	(1) TITLE AND LOCATION (City and State) West Georgia Avenue Streetscape and Landscaping Improvements DeLand, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) 2018
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Landscape Architect - The innovative design created an Urban Shared-Street by raising the roadway to the sidewalk level. The roadway was designed with an inverted crowned section sending the storm water to the center of the street, and Old Castle Adobe concrete pavers where use in a decorative herringbone pattern down the street. Removable bollards are used to define the festival area limits at both ends of the street, which allows for closure during events. The addition of festoon (market) lights along the corridor helped create a vibrant “festival-like” atmosphere, significantly enhancing evening events. <div align="right"><input checked="" type="checkbox"/> Check if project performed with current firm</div>		
d.	(1) TITLE AND LOCATION (City and State) Cape Coral SE 47th Terrace Streetscape Improvements Cape Coral, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Landscape Architect - CPH is providing design and construction engineering services for the streetscape improvements of SE 47th Terrace from Coronado Parkway to Del Prado Blvd. The improvements will include sidewalks with pavers, landscaping, road reconstruction, removal of on-street parking, off-street parking modifications, streetlights, traffic analysis and calming, raised mid-block pedestrian crossings, street furniture, ADA improvements, and drainage modifications/upgrades. <div align="right"><input checked="" type="checkbox"/> Check if project performed with current firm</div>		
e.	(1) TITLE AND LOCATION (City and State) Monroe County Firestation at Cudjoe Key Cudjoe Key, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) TBD
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Landscape Architect - CPH is providing pre-design phase/programming, Schematic Design, Design Development, Construction documents, Bidding and Permitting assistance, and Construction Administration for a new 7,500 SF Fire Station on Cudjoe Key. Additional services provided will be site plan review, civil engineering, landscape architecture, and FDOT Review and Florida Green Build criteria. The building will be designed to meet or exceed Florida Green Building Coalition (FGBC) standards. <div align="right"><input checked="" type="checkbox"/> Check if project performed with current firm</div>		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Amy E. Daly, LEED AP	13. ROLE IN THIS CONTRACT Principal Environmental Scientist	14. YEARS EXPERIENCE <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">a. TOTAL 24</td> <td style="width: 50%; text-align: center;">b. WITH CURRENT FIRM 13</td> </tr> </table>		a. TOTAL 24	b. WITH CURRENT FIRM 13
a. TOTAL 24	b. WITH CURRENT FIRM 13				
15. FIRM NAME AND LOCATION (City and State) CPH / Sanford/Miami, FL					
16. EDUCATION (DEGREE AND SPECIALIZATION) M.B.A., FMU, Summa Cum Laude B.S. Biological Sciences, Florida State University		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Authorized Gopher Tortoise Agent (GTA-09-00145E) LEED Accredited Professional			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) U.S. Army Corps of Engineers Wetland Delineator, Florida Unified Mitigation Methodology Course, Qualified Stormwater Management Inspector, Prescribed Burner					

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State) Public Works and Waste Management 58th Street Master Plan Miami-Dade County, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2016</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) 2016</td> </tr> </table>		PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) 2016
PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) 2016				
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Environmental Scientist - Miami Dade County requested to have a master plan conceptual design for a 42+ acres portion of the existing Public Works and Waste Management site located on 8795 NW 58th Street in Miami-Dade County, Florida. CPH took the lead role as the project planner for the County, handling the master planning and coordination of regulatory agency meetings to assure the timely completion of the project in a cost effective manner. CPH provided space programming, concept design, and master planning of public works/waste services complex.				
	(1) TITLE AND LOCATION (City and State) US 17-92 RiverWalk, Phase II (FDOT LAP) Sanford, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2015</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) 2015</td> </tr> </table>		PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) 2015
PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) 2015				
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project Surveyor - The FDOT LAP project included 1.5 miles of 10-14 foot wide trail, replacement of 5,500 feet of seawall along Lake Monroe, trail head parking, a prefabricated pedestrian bridge over Mill Creek, hardscaping, landscaping, and lighting. The design included advanced coordination with SJRWMD and FDEP because of work within sovereign submerged lands, replacement seawall, and pedestrian bridge.				
	(1) TITLE AND LOCATION (City and State) City of Sanford - Mill Creek and Cloud Branch Drainage Improvements Sanford, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES Ongoing</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) Ongoing</td> </tr> </table>		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) Ongoing
PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) Ongoing				
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Environmental Scientist - The Mill Creek and Cloud Branch drainage basins are approximately 1,980 acres located within the northwestern portion of the City and drain through existing developed residential and industrial areas to Lake Monroe, which is a part of the St. Johns River. CPH's services included reviewing earlier reports, conducting field visits, gathering updated information, interviewing City and County staff, reviewing jurisdictional considerations, and establishing an existing condition and proposed improvements stormwater modeling report that was used to obtain an Individual MSSW Permit from the SJRWMD.				
	(1) TITLE AND LOCATION (City and State) Sand Pond Road and Skyline Drive Stormwater and Roadway Improvements Lake Mary, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2011</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) 2012</td> </tr> </table>		PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable) 2012
PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable) 2012				
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Environmental Scientist - 1.25 mile project also included minor roadway widening, turn lane improvements, horizontal and vertical curve reconstruction, milling and resurfacing, new sidewalk on both sides of the road, retaining wall, and the extension of existing Skyline Drive approximately 1100-feet.				
	(1) TITLE AND LOCATION (City and State) Hardy Trail Extension Dade City, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2017</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) TBD</td> </tr> </table>		PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) TBD
PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) TBD				
e.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Environmental Scientist - CPH is providing engineering services to develop plans and specifications and performing all other professional engineering services as may be required during the construction of the Hardy Trail Extension including project administration, property owner coordination and public involvement, permitting assistance, surveying, environmental services, and utility coordination.				

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT*(Complete one Section E for each key person.)*

12. NAME Aaron P. Moore, PWS	13. ROLE IN THIS CONTRACT Senior Scientist	14. YEARS EXPERIENCE	
		a. TOTAL 17	b. WITH CURRENT FIRM 12
15. FIRM NAME AND LOCATION <i>(City and State)</i> CPH, Inc. / Sanford, FL / Miami, FL			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B.S. Biology, University of Central Florida		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Authorized Gopher Tortoise Agent, (GTA-09-00125D) Professional Wetland Scientist Certification- #2440	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Southwest Florida Water Management District, Soils Identification Course, Florida United Mitigation Assessment Methodology Course, ACOE Wetland Delineator			

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION <i>(City and State)</i> Public Works and Waste Management 58th Street Master Plan Miami-Dade County, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2016	CONSTRUCTION <i>(If applicable)</i> 2016
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm Environmental Scientist - Miami Dade County requested to have a master plan conceptual design for a 42+ acres portion of the existing Public Works and Waste Management site located on 8795 NW 58th Street in Miami-Dade County, Florida. CPH took the lead role as the project planner for the County, handling the master planning and coordination of regulatory agency meetings to assure the timely completion of the project in a cost effective manner. CPH provided space programming, concept design, and master planning of public works/waste services complex.		
b.	(1) TITLE AND LOCATION <i>(City and State)</i> US 17-92 RiverWalk, Phase II (FDOT LAP) Sanford, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2015	CONSTRUCTION <i>(If applicable)</i> 2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm Project Surveyor - The FDOT LAP project included 1.5 miles of 10-14 foot wide trail, replacement of 5,500 feet of seawall along Lake Monroe, trail head parking, a prefabricated pedestrian bridge over Mill Creek, hardscaping, landscaping, and lighting. The design included advanced coordination with SJRWMD and FDEP because of work within sovereign submerged lands, replacement seawall, and pedestrian bridge.		
c.	(1) TITLE AND LOCATION <i>(City and State)</i> City of Sanford - Mill Creek and Cloud Branch Drainage Improvements Sanford, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i> Ongoing
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm Environmental Scientist - The Mill Creek and Cloud Branch drainage basins are approximately 1,980 acres located within the northwestern portion of the City and drain through existing developed residential and industrial areas to Lake Monroe, which is a part of the St. Johns River. CPH's services included reviewing earlier reports, conducting field visits, gathering updated information, interviewing City and County staff, reviewing jurisdictional considerations, and establishing an existing condition and proposed improvements stormwater modeling report that was used to obtain an Individual MSSW Permit from the SJRWMD.		
d.	(1) TITLE AND LOCATION <i>(City and State)</i> Sand Pond Road and Skyline Drive Stormwater and Roadway Improvements Lake Mary, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2011	CONSTRUCTION <i>(If applicable)</i> 2012
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm Environmental Scientist - 1.25 mile project also included minor roadway widening, turn lane improvements, horizontal and vertical curve reconstruction, milling and resurfacing, new sidewalk on both sides of the road, retaining wall, and the extension of existing Skyline Drive approximately 1100-feet.		
e.	(1) TITLE AND LOCATION <i>(City and State)</i> Hardy Trail Extension Dade City, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i> TBD
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm Environmental Scientist - CPH is providing engineering services to develop plans and specifications and performing all other professional engineering services as may be required during the construction of the Hardy Trail Extension including project administration, property owner coordination and public involvement, permitting assistance, surveying, environmental services, and utility coordination.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT
(Complete one Section E for each key person.)

12. NAME Gerald M. Cox, CGC, CUC	13. ROLE IN THIS CONTRACT Constructability Review / Cost Estimation	14. YEARS EXPERIENCE a. TOTAL 42 b. WITH CURRENT FIRM 16	
15. FIRM NAME AND LOCATION (City and State) CPH / Miami, FL			
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. in Building Construction, University of Florida		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) General Contractor – FL (No. 010771) Utility Contractor – FL (No. 051667)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) DEP – Stormwater Management Inspector, Trained in Metal Building Assembly – Inland Steel			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State) Volusia SW Regional Water Reclamation Facility BNR Improvements Volusia County, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2016 CONSTRUCTION (If applicable) 2017	
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Constructability Review/Cost Estimation – CPH provided planning, design, permitting, and construction administration and inspection for upgrades to the Southwest Regional Water Reclamation Facility to meet Advanced Wastewater Treatment standards and expansion of the treatment capacity by up to 1.0 million gallons per day (MGD). CPH reviewed the existing conditions, evaluated upgrades to meet AWT standards, evaluated nutrient removal alternatives and developed alternative costs for Volusia County as well as providing grant and appropriations funding assistance.		
(1) TITLE AND LOCATION (City and State) Sanford North WRF - Biological Nutrient Removal Expansion (BNR) Design and CEI Sanford, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES Ongoing CONSTRUCTION (If applicable) Ongoing	
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Constructability Review/Cost Estimation –The City selected CPH to evaluate the nutrient removal technologies available to meet the low TN and TP concentrations, develop a methodology to evaluate the technologies and select and design, for implementation, a cost-effective, energy-efficient and reliable BNR treatment system to meet these mandated requirements in the Administrative Order. Based on the preliminary screening process (first-level), criteria weighting (pair-wise) analysis and the final screening process (second-level), the BIODENIPHO Process, a highly energy-efficient and automated nutrient removal technology was selected as the preferred alternative. CPH recently completed the design for this WRF and is currently providing Construction Administration services.		
(1) TITLE AND LOCATION (City and State) Islamorada Village Wide Wastewater System (Design, Build, Operate) Village of Islamorada, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2012 CONSTRUCTION (If applicable) 2015	
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Constructability Review/Cost Estimation – CPH's areas of responsibility included the design and permitting of the vacuum collection system for the Island of Upper Matecumbe Key; vacuum pumping stations for the Islands of South Plantation Key, Upper Matecumbe Key and Lower Matecumbe Key; and low pressure force main collection systems for the Island of Windley Key and portions of Upper Matecumbe Key. CPH provided input data and documentation associated with areas of responsibility incorporated into the Preliminary Design Report for the overall project. CPH provided design for two general use vacuum pumping stations and one vacuum pumping station that also incorporated a force main re-pumping station within the structure.		
(1) TITLE AND LOCATION (City and State) City of Sanford's Water Treatment Plant No. 2 – Disinfection By-Product Reduction Improvements Sanford, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2013 CONSTRUCTION (If applicable) 2014	
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Constructability Review/Cost Estimation - CPH provided the design of improvements to the City of Sanford's Water Treatment Plant No. 2. The improvements were part of an overall project being funded through FDEP # DW590120, to comply with the stage 2 of the Disinfection By-Products Rule. Water Plant No. 2 is rated for 4.6 MGD ADF and furnishes conventional aeration and disinfection treatment prior to distribution to Sanford's water customers. The improvements were designed to remove the organics from the raw water, which were identified as precursors of disinfection by-products (TTHM's)		
(1) TITLE AND LOCATION (City and State) Palm Coast WRF MBR BNR Project Palm Coast, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2015 CONSTRUCTION (If applicable) 2017	
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Constructability Review/Cost Estimation - CPH designed the City of Palm Coast WWTP No. 2. The WWTP No. 2 provides advanced treatment of wastewater (AWT) using the Membrane Bioreactor (MBR) technology. The process includes pre-treatment, flow equalization basins, anaerobic basins, pre-anoxic basins, aeration basins, post anoxic basins, MBR basins, disinfection basins, and sludge dewatering. The plant is rated at an initial capacity of 2.0 MGD expandable to 6.0 MGD.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Thomas J. Galloway, PSM	13. ROLE IN THIS CONTRACT Project Surveyor	14. YEARS EXPERIENCE	
		a. TOTAL 27	b. WITH CURRENT FIRM 16

15. FIRM NAME AND LOCATION (City and State) CPH, Inc. / Miami, FL
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16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. in Surveying and Mapping, University of Florida	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Surveyor & Mapper – FL (No. 6549) NCEES Council No. 1291
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State) Islamorada Village Wide Wastewater System, Design, Build, Operate (DBO) Islamorada, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) 2015
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Surveyor - CPH's areas of responsibility included the design and permitting of the vacuum collection system for the Island of Upper Matecumbe Key; vacuum pumping stations for the Islands of South Plantation Key, Upper Matecumbe Key and Lower Matecumbe Key; and low pressure force main collection systems for the Island of Windley Key and portions of Upper Matecumbe Key. CPH provided input data and documentation associated with areas of responsibility incorporated into the Preliminary Design Report for the overall project.		
	(1) TITLE AND LOCATION (City and State) Spec Martin Stadium Design Criteria Package DeLand, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2012	CONSTRUCTION (If applicable) 2013
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Surveyor - CPH was selected by the City of DeLand for the Spec Martin Stadium Improvements. The project required the development of the design/build criteria package and professional services to assist the City during the selection process. The project involved a new press box, training room and locker room additions.		
	(1) TITLE AND LOCATION (City and State) Limits of Site Survey - Tamiami Building 227 Miami, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2013	CONSTRUCTION (If applicable) N/A
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Surveyor - CPH performed three-dimensional laser scanning to provide a Topographic Survey of Building 227 along with the parking lot and adjacent areas located at the Kendall-Tamiami Executive Airport. Topographic services include a 100 foot topographic grid of area, location of existing visible above ground improvements & visible utilities within scope, elevations every 50' with the exception on the east side of the structure (Building 227), those elevations were every 25', elevations of the finished floor of the structures at multiple locations, location of top, rim and bottom of retention pond, set two (2) site Benchmarks with State Plane Coordinates for horizontal location.		
	(1) TITLE AND LOCATION (City and State) Orlando-Sanford International Airport Terminal Expansion Sanford, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) Ongoing
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Surveyor - CPH was tasked with the Terminal Expansion project to support the current growth of passenger traffic. The \$60 million expansion includes the terminal departure consolidation from a dual terminal check-in. The improvements also include new consolidated loading and unloading facility, curbside transportation improvements, a covered baggage drop off, apron addition, four new gates, parking lot improvements, terminal building improvements and renovation, as well as transportation improvements that include a new traffic signal and alternate entrances to the parking lots. CPH is providing engineering, surveying, architectural, and MEP services for this project.		
	(1) TITLE AND LOCATION (City and State) US 17-92 RiverWalk, Phase II (FDOT LAP) Sanford, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) 2015
e.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Surveyor - The FDOT LAP project included 1.5 miles of 10-14 foot wide trail, replacement of 5,500 feet of seawall along Lake Monroe, trail head parking, a prefabricated pedestrian bridge over Mill Creek, hardscaping, landscaping, and lighting. The design included advanced coordination with SJRWMD and FDEP because of work within sovereign submerged lands, replacement seawall, and pedestrian bridge.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section E for each key person.)

12. NAME Paul J. Katrek, PSM	13. ROLE IN THIS CONTRACT Project Surveyor	14. YEARS EXPERIENCE a. TOTAL 25 b. WITH CURRENT FIRM 11	
15. FIRM NAME AND LOCATION (City and State) CPH, Inc. / Miami, FL			
16. EDUCATION (DEGREE AND SPECIALIZATION) A.S. in Architecture & Building Technology, Daytona Beach Community College		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Surveyor & Mapper – FL (No. 6233) NCEES Council No. 1342	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			
19. RELEVANT PROJECTS			
(1) TITLE AND LOCATION (City and State) Islamorada Village Wide Wastewater System, Design, Build, Operate (DBO) Islamorada, FL		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2015 CONSTRUCTION (If applicable) 2015	
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Surveyor - CPH's areas of responsibility included the design and permitting of the vacuum collection system for the Island of Upper Matecumbe Key; vacuum pumping stations for the Islands of South Plantation Key, Upper Matecumbe Key and Lower Matecumbe Key; and low pressure force main collection systems for the Island of Windley Key and portions of Upper Matecumbe Key. CPH provided input data and documentation associated with areas of responsibility incorporated into the Preliminary Design Report for the overall project.		<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Spec Martin Stadium Design Criteria Package DeLand, FL		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2012 CONSTRUCTION (If applicable) 2013	
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Surveyor - CPH was selected by the City of DeLand for the Spec Martin Stadium Improvements. The project required the development of the design/build criteria package and professional services to assist the City during the selection process. The project involved a new press box, training room and locker room additions.		<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Continuing Surveying Services Contract - Volusia County School Board Volusia County, FL		(2) YEAR COMPLETED PROFESSIONAL SERVICES Ongoing CONSTRUCTION (If applicable) N/A	
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Surveyor - CPH has been providing surveying services to Volusia County Schools since 2002. The team has provided various surveying services for projects that include: New schools, additions/remodels, stormwater improvements and roadway improvements. The projects identified below have included services such as: boundary and topographic surveys, high definition 3D Laser surveys, establishing limits of construction, basic/advanced field survey work, calculations, document preparation, sketch and descriptions.		<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Orlando-Sanford International Airport Terminal Expansion Sanford, FL		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2017 CONSTRUCTION (If applicable) Ongoing	
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Surveyor - CPH was tasked with the Terminal Expansion project to support the current growth of passenger traffic. The \$60 million expansion includes the terminal departure consolidation from a dual terminal check-in. The improvements also include new consolidated loading and unloading facility, curbside transportation improvements, a covered baggage drop off, apron addition, four new gates, parking lot improvements, terminal building improvements and renovation, as well as transportation improvements that include a new traffic signal and alternate entrances to the parking lots. CPH is providing engineering, surveying, architectural, and MEP services for this project.		<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) US 17-92 RiverWalk, Phase II (FDOT LAP) Sanford, FL		(2) YEAR COMPLETED PROFESSIONAL SERVICES 2015 CONSTRUCTION (If applicable) 2015	
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Surveyor - The FDOT LAP project included 1.5 miles of 10-14 foot wide trail, replacement of 5,500 feet of seawall along Lake Monroe, trail head parking, a prefabricated pedestrian bridge over Mill Creek, hardscaping, landscaping, and lighting. The design included advanced coordination with SJRWMD and FDEP because of work within sovereign submerged lands, replacement seawall, and pedestrian bridge.		<input checked="" type="checkbox"/> Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT*(Complete one Section E for each key person.)*

12. NAME Randall L. Roberts, PSM	13. ROLE IN THIS CONTRACT Project Surveyor	14. YEARS EXPERIENCE	
		a. TOTAL 43	b. WITH CURRENT FIRM 13

15. FIRM NAME AND LOCATION <i>(City and State)</i> CPH, Inc. / Miami, FL

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Honor Graduate of University of Florida Surveying Program, College of Engineering	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Professional Surveyor & Mapper – FL (No. 3144)
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18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i>
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19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
a.	Islamorada Village Wide Wastewater System, Design, Build, Operate (DBO) Islamorada, FL	2015	2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Surveyor - CPH's areas of responsibility included the design and permitting of the vacuum collection system for the Island of Upper Matecumbe Key; vacuum pumping stations for the Islands of South Plantation Key, Upper Matecumbe Key and Lower Matecumbe Key; and low pressure force main collection systems for the Island of Windley Key and portions of Upper Matecumbe Key. CPH provided input data and documentation associated with areas of responsibility incorporated into the Preliminary Design Report for the overall project.		
b.	Spec Martin Stadium Design Criteria Package DeLand, FL	2012	2013
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Surveyor- CPH was selected by the City of DeLand for the Spec Martin Stadium Improvements. The project required the development of the design/build criteria package and professional services to assist the City during the selection process. The project involved a new press box, training room and locker room additions.		
c.	Continuing Surveying Services Contract - Volusia County School Board Volusia County, FL	Ongoing	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Surveyor - CPH has been providing surveying services to Volusia County Schools since 2002. The team has provided various surveying services for projects that include: New schools, additions/remodels, stormwater improvements and roadway improvements. The projects identified below have included services such as: boundary and topographic surveys, high definition 3D Laser surveys, establishing limits of construction, basic/advanced field survey work, calculations, document preparation, sketch and descriptions.		
d.	Orlando-Sanford International Airport Terminal Expansion Sanford, FL	2017	Ongoing
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Surveyor - CPH was tasked with the Terminal Expansion project to support the current growth of passenger traffic. The \$60 million expansion includes the terminal departure consolidation from a dual terminal check-in. The improvements also include new consolidated loading and unloading facility, curbside transportation improvements, a covered baggage drop off, apron addition, four new gates, parking lot improvements, terminal building improvements and renovation, as well as transportation improvements that include a new traffic signal and alternate entrances to the parking lots. CPH is providing engineering, surveying, architectural, and MEP services for this project.		
e.	US 17-92 RiverWalk, Phase II (FDOT LAP) Sanford, FL	2015	2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Surveyor - The FDOT LAP project included 1.5 miles of 10-14 foot wide trail, replacement of 5,500 feet of seawall along Lake Monroe, trail head parking, a prefabricated pedestrian bridge over Mill Creek, hardscaping, landscaping, and lighting. The design included advanced coordination with SJRWMD and FDEP because of work within sovereign submerged lands, replacement seawall, and pedestrian bridge.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME David A. Terwilleger, P.E., CGC	13. ROLE IN THIS CONTRACT CEI	14. YEARS EXPERIENCE <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">a. TOTAL 36</td> <td style="width: 50%; text-align: center;">b. WITH CURRENT FIRM 27</td> </tr> </table>		a. TOTAL 36	b. WITH CURRENT FIRM 27
a. TOTAL 36	b. WITH CURRENT FIRM 27				
15. FIRM NAME AND LOCATION (City and State) CPH, Inc. / Miami, FL					
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. in Civil Engineering, University of Florida M.S. in Civil Engineering, University of Central Florida Graduate work in Structural and Geotechnical Engineering		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer – FL (No. 34376) & VT Certified General Contractor – FL (No. CGC 031751) Advanced Maintenance of Traffic/CTQP QC Manager			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)					
19. RELEVANT PROJECTS					
a.	(1) TITLE AND LOCATION (City and State) St. Johns Parkway (Phases I, II, & III) Sanford, FL		(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2004</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) 2004</td> </tr> </table>	PROFESSIONAL SERVICES 2004	CONSTRUCTION (If applicable) 2004
	PROFESSIONAL SERVICES 2004	CONSTRUCTION (If applicable) 2004			
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Construction Administration - CPH provided services for Phases I and II of the St. Johns Parkway project consisting of widening an existing roadway. Phase III of the St. Johns Parkway project additionally included construction of approximately 0.53 miles of new four-lane divided roadway between Rinehart Road and Upsala Road. Major project components included: 28-foot span (7-foot rise by 72-foot long) concrete arch culvert, wingwalls at the canal, curb and gutter, sidewalk, guardrail, aluminum handrail, storm sewer, and utilities construction of approximately 1,750 LF of new 12-inch watermain and 1,900 LF of new 8-inch reclaimed watermain.				
(1) TITLE AND LOCATION (City and State) Highbanks Road Sidewalk Widening Project DeBary, FL					
b.	(1) TITLE AND LOCATION (City and State) Highbanks Road Sidewalk Widening Project DeBary, FL		(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2011</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) 2012</td> </tr> </table>	PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable) 2012
	PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable) 2012			
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Construction Administration - CPH provided construction, engineering and inspection services for the Highbanks Road Sidewalk Widening project for the City of DeBary. Local Agency Program (LAP) funding was provided and EEO and other Federal Reporting was required. The project included the demolition of existing sidewalk and the construction of approximately 3,000 square yards of new 8 foot wide concrete sidewalk along with pedestrian crossings, and new driveway construction and drainage improvements.				
(1) TITLE AND LOCATION (City and State) US 17-92 RiverWalk, Phase II (FDOT LAP) Sanford, FL					
c.	(1) TITLE AND LOCATION (City and State) US 17-92 RiverWalk, Phase II (FDOT LAP) Sanford, FL		(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2013</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) 2015</td> </tr> </table>	PROFESSIONAL SERVICES 2013	CONSTRUCTION (If applicable) 2015
	PROFESSIONAL SERVICES 2013	CONSTRUCTION (If applicable) 2015			
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Construction Administration - The FDOT LAP project included 1.5 miles of 10-14 foot wide trail, replacement of 5,500 feet of seawall along Lake Monroe, trail head parking, a prefabricated pedestrian bridge over Mill Creek, hardscaping, landscaping, and lighting. The project included the use of innovative use of best management practices and pervious pavement to minimize the impact of stormwater runoff on Lake Monroe.				
(1) TITLE AND LOCATION (City and State) Sand Pond Road and Skyline Drive Lake Mary, FL					
d.	(1) TITLE AND LOCATION (City and State) Sand Pond Road and Skyline Drive Lake Mary, FL		(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2011</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) 2012</td> </tr> </table>	PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable) 2012
	PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable) 2012			
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Construction Administration - CPH completed the Sand Pond/Skyline roadway project for the City of Lake Mary. The 1.25 mile project consisted of minor widening, turn lane improvements, safety upgrades and converting the existing two-lane rural roadway to a two-lane urban roadway with sidewalks on both sides. The project also included extending Skyline Drive from its current terminus approximately 1,100-feet to Emma Oaks Trail.				
(1) TITLE AND LOCATION (City and State) Highbanks Road at US 17/92 DeBary, FL					
e.	(1) TITLE AND LOCATION (City and State) Highbanks Road at US 17/92 DeBary, FL		(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2011</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) 2012</td> </tr> </table>	PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable) 2012
	PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable) 2012			
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Construction Administration - CPH provided construction engineering and inspection services for the Highbanks Road at US 17/92 intersection improvements project. Local Agency Program (LAP) funding was provided and EEO and other Federal Reporting was required.				

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Ted V. Jordan	13. ROLE IN THIS CONTRACT CEI	14. YEARS EXPERIENCE <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">a. TOTAL 19</td> <td style="width: 50%; text-align: center;">b. WITH CURRENT FIRM 4</td> </tr> </table>		a. TOTAL 19	b. WITH CURRENT FIRM 4
a. TOTAL 19	b. WITH CURRENT FIRM 4				
15. FIRM NAME AND LOCATION (City and State) CPH, Inc. / Miami, FL					
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. in Construction Science, University of Oklahoma		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) CPESC-IT – (No. 6369) Qualified Stormwater Management Inspector Final Estimates- Level I & II			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)					
19. RELEVANT PROJECTS					
a.	(1) TITLE AND LOCATION (City and State) Persimmon Avenue and West 8th St. Sidewalk Improvements (FDOT LAP) Sanford, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES N/A</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) 2016</td> </tr> </table>		PROFESSIONAL SERVICES N/A	CONSTRUCTION (If applicable) 2016
	PROFESSIONAL SERVICES N/A	CONSTRUCTION (If applicable) 2016			
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Construction Administration - CPH provided CEI services for FDOT and the City of Sanford including daily observations, FDOT required reporting, DBE Monitoring Reporting, Labor Interviews, FDOT inspections, progress meetings, progress payments and quantity verification.					
b.	(1) TITLE AND LOCATION (City and State) Cape Coral SE 47th Terrace Streetscape Improvements Cape Coral, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2016</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) Ongoing</td> </tr> </table>		PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) Ongoing
	PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) Ongoing			
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Construction Administration - CPH is providing design and construction engineering services for the streetscape improvements of SE 47th Terrace from Coronado Parkway to Del Prado Blvd. The improvements will include sidewalks with pavers, landscaping, road reconstruction, removal of on-street parking, off-street parking modifications, streetlights, traffic analysis and calming, raised mid-block pedestrian crossings, street furniture, ADA improvements, and drainage modifications/upgrades.					
c.	(1) TITLE AND LOCATION (City and State) Historic Goldsboro Boulevard Streetscape Sanford, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2017</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) 2018</td> </tr> </table>		PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) 2018
	PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) 2018			
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Construction Administration - CPH provided planning, design, and permitting services to the City of Sanford for the redevelopment of Historic Goldsboro Boulevard. The project included the design of streetscape improvements for the corridor from William Clark Avenue to South Persimmon Avenue. The streetscape design includes new parallel parking, landscape bulb-outs, street and pedestrian lighting, reconstruction of the sidewalks, repaving of the roadway, drainage improvements, and pedestrian crossings.					
d.	(1) TITLE AND LOCATION (City and State) CEI for Roadway Improvements Lake Mary, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES N/A</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) 2016</td> </tr> </table>		PROFESSIONAL SERVICES N/A	CONSTRUCTION (If applicable) 2016
	PROFESSIONAL SERVICES N/A	CONSTRUCTION (If applicable) 2016			
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Construction Administration - CPH provided Limited, Resident Project Representative Services during the reconstruction of existing roadways, onstreet parking, storm sewer piping, pond construction, utility installation, and landscaping and irrigation. Services provided included review and approval of shop drawings, progress and field checks of material and equipment, conducting bi-weekly progress meetings, review of Contractor's applications for payment, Substantial Completion inspection, and creation of Final Record Drawings.					
e.	(1) TITLE AND LOCATION (City and State) CEI of I-4 Ultimate Utility Relocations Altamonte Springs, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES N/A</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (If applicable) Ongoing</td> </tr> </table>		PROFESSIONAL SERVICES N/A	CONSTRUCTION (If applicable) Ongoing
	PROFESSIONAL SERVICES N/A	CONSTRUCTION (If applicable) Ongoing			
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Construction Administration - Utility relocations included water mains, gravity sewer, force mains installed by methods such as open cut, horizontal directional drill, and jack and bore. Gravity sewer evaluation and CIPP inspections were also provided.					

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Charlie Turner	13. ROLE IN THIS CONTRACT CEI	14. YEARS EXPERIENCE <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border-right: 1px solid black; padding: 2px;">a. TOTAL 36</td> <td style="width: 50%; padding: 2px;">b. WITH CURRENT FIRM < 1</td> </tr> </table>		a. TOTAL 36	b. WITH CURRENT FIRM < 1
a. TOTAL 36	b. WITH CURRENT FIRM < 1				
15. FIRM NAME AND LOCATION (City and State) CPH, Inc. / Miami, FL					
16. EDUCATION (DEGREE AND SPECIALIZATION)		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)					

19. RELEVANT PROJECTS					
a.	(1) TITLE AND LOCATION (City and State) CEI Services for Cloud Branch (Phase III) Sanford, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border-right: 1px solid black; padding: 2px;">PROFESSIONAL SERVICES</td> <td style="width: 50%; padding: 2px;">CONSTRUCTION (If applicable)</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)			
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Construction Administration - Phase 3 consisted of the upgrading of the 6th St. crossing at Cloud Branch, funded separately through FDEP as a non-ARRA project. The 6th St. culvert crossing was upgraded to a double 5' x 12' concrete box culvert. The project includes the construction of roadway and drainage improvements on 18 linear City blocks along 10th St from West of Holly Ave. to east of Elm Ave. and from 10th St South along Elm Ave. to 20th St and along 13th St. from Laurel Ave. to just East of Park Ave. CEI services included Project Management Services, Limited Inspection Services and Davis Bacon Wage Rate Compliance Services. CPH oversaw the Construction Contract, provided construction activities observance, wrote field reports, and conducted employee interviews.				
b.	(1) TITLE AND LOCATION (City and State) CEI for Magnolia Street Sidewalks New Smyrna Beach, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border-right: 1px solid black; padding: 2px;">PROFESSIONAL SERVICES N/A</td> <td style="width: 50%; padding: 2px;">CONSTRUCTION (If applicable) 2018</td> </tr> </table>		PROFESSIONAL SERVICES N/A	CONSTRUCTION (If applicable) 2018
	PROFESSIONAL SERVICES N/A	CONSTRUCTION (If applicable) 2018			
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Construction Administration - CPH provided CEI for the construction of sidewalk improvements on Magnolia Street from 6th Street to 10th Street. CPH attended meetings, evaluated shop drawings and test and inspection results, provided on-site observation, review of the MOT plan, and coordination with City and Contractor's staff.				
c.	(1) TITLE AND LOCATION (City and State) Historic Goldsboro Boulevard Streetscape Sanford, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border-right: 1px solid black; padding: 2px;">PROFESSIONAL SERVICES 2017</td> <td style="width: 50%; padding: 2px;">CONSTRUCTION (If applicable) 2018</td> </tr> </table>		PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) 2018
	PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) 2018			
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Construction Administration - CPH provided planning, design, and permitting services to the City of Sanford for the redevelopment of Historic Goldsboro Boulevard. The project included the design of streetscape improvements for the corridor from William Clark Avenue to South Persimmon Avenue. The streetscape design includes new parallel parking, landscape bulb-outs, street and pedestrian lighting, reconstruction of the sidewalks, repaving of the roadway, drainage improvements, and pedestrian crossings.				
d.	(1) TITLE AND LOCATION (City and State) WRF No. 2 MBR BNR Improvements Palm Coast, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border-right: 1px solid black; padding: 2px;">PROFESSIONAL SERVICES 2017</td> <td style="width: 50%; padding: 2px;">CONSTRUCTION (If applicable) 2018</td> </tr> </table>		PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) 2018
	PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) 2018			
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Construction Administration - Palm Coast WRF No. 2 will utilize the flat panel MBR process in conjunction with anaerobic, pre-anoxic, nitrification and post-anoxic biological processes to achieve the advanced wastewater treatment standards. The MBR process requires a much smaller footprint than that of a conventional 5-stage Bardenpho process utilizing re-aeration, secondary clarifier and tertiary filtration following the biological processes. Basically, a single MBR process tank replaces the re-aeration, secondary clarifier and tertiary filtration processes.				
e.	(1) TITLE AND LOCATION (City and State) CEI of I-4 Ultimate Utility Relocations Altamonte Springs, FL	(2) YEAR COMPLETED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border-right: 1px solid black; padding: 2px;">PROFESSIONAL SERVICES N/A</td> <td style="width: 50%; padding: 2px;">CONSTRUCTION (If applicable) Ongoing</td> </tr> </table>		PROFESSIONAL SERVICES N/A	CONSTRUCTION (If applicable) Ongoing
	PROFESSIONAL SERVICES N/A	CONSTRUCTION (If applicable) Ongoing			
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Construction Administration - Utility relocations included water mains, gravity sewer, force mains installed by methods such as open cut, horizontal directional drill, and jack and bore. Gravity sewer evaluation and CIPP inspections were also provided.				

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT*(Complete one Section E for each key person.)*

12. NAME Stephen Bailey	13. ROLE IN THIS CONTRACT Chief Electrical Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 34	b. WITH CURRENT FIRM 26

15. FIRM NAME AND LOCATION *(City and State)*
Bailey Engineering Consultants, Inc. (Cooper City, FL)

16. EDUCATION *(DEGREE AND SPECIALIZATION)*
Bachelors of Electrical Engineering
Georgia Institute of Technology/1983

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Florida/Professional Engineer 42461
New York/Professional Engineer 94774

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
National Society of Professional Engineers (NSPE); Institute of Electrical and Electronic Engineers (IEEE); Florida Engineering Society (FES); National Fire Protection Association (NFPA); Instrument Society of America (ISA).

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
a.	(1) TITLE AND LOCATION <i>(City and State)</i> Broward County Lift Stations 50N & 50M1 Broward County, FL	Ongoing	TBD
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Bailey Engineering Consultants, Inc. was contracted to provide electrical, instrumentation and control design associated with the replacement of two (2) lift stations. Each lift station is a duplex pump station with across the line starters for each pump. Our scope included design of the Pump Control Panel (PCP), a Remote Telemetry Unit (RTU) and a portable standby generator. <input checked="" type="checkbox"/> Check if project performed with current firm		
b.	(1) TITLE AND LOCATION <i>(City and State)</i> Margate Lift Station No. 22 Margate, FL	2014	2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE BEC provided design of the electrical and control system for the duplex lift station improvements in accordance with the City standards. Our design included solid state starters for the pump motors. <input checked="" type="checkbox"/> Check if project performed with current firm		
c.	(1) TITLE AND LOCATION <i>(City and State)</i> Miramar East WTP Expansion Miramar, FL	2016	2019
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Bailey Engineering Consultants, Inc. was contracted to provide electrical and instrumentation design for the Miramar East WTP upgrades project. Overall project cost is \$52,000,000.00 <input checked="" type="checkbox"/> Check if project performed with current firm		
d.	(1) TITLE AND LOCATION <i>(City and State)</i> Tindall Hammock W/WWTP Improvements Davie, Florida	2015	2016
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Bailey Engineering Consultants, Inc. (BEC) provided electrical, control system design and construction management services associated with the electrical system for the water and wastewater facilities, providing EPA Class 1 reliability <input checked="" type="checkbox"/> Check if project performed with current firm		
e.	(1) TITLE AND LOCATION <i>(City and State)</i> Groveland Lift Station No. 18 Groveland, FL	2015	2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE BEC provided design for a permanent standby generator for Groveland LS No. 18. This included design associated with the proposed duplex lift station. The design was based on the installation of two (2) 40-horsepower pumps with across the line starters. Our services also included the design of the Pump Control Panel system and a VT SCADA RTU. <input checked="" type="checkbox"/> Check if project performed with current firm		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT*(Complete one Section E for each key person.)*

12. NAME Jay Libo-on	13. ROLE IN THIS CONTRACT Engineer Intern	14. YEARS EXPERIENCE	
		a. TOTAL 19	b. WITH CURRENT FIRM 19
15. FIRM NAME AND LOCATION <i>(City and State)</i> Bailey Engineering Consultants, Inc. (Cooper City, FL)			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Bachelors of Science in Electrical Engineering Florida Atlantic University/1999		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Florida Engineer Intern No. 1100006452	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i>			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i> Pembroke Pines WRF BCR Process Enhancements Pembroke Pines, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2014	CONSTRUCTION <i>(If applicable)</i> 2015
a.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Electrical design services and general services during construction. Our scope of work was as follows: Electrical and I&C design for the following components: BCR Neutralizer System; the relocated Biosolids Dewatering System; the relocated Biosolids Conveyor System.; the new WAS/Neutralizer feed pumps for the Neutralizer System; the new Return Lift Station for flows from the Neutralizer System; improvements required to support the new Neutralizer System and Dewatering System within the existing warehouse building, plus New WAS/Neutralizer Feed Lift Station and New Return Lift Station.		
	(1) TITLE AND LOCATION <i>(City and State)</i> Margate WWTP Lift Station Improvements Margate, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2018	CONSTRUCTION <i>(If applicable)</i>
b.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Bailey Engineering Consultants, Inc. was contracted to provide electrical engineering design associated with the lift station improvements, including a new 480 volt triplex control panel with 10-horsepower pumps.		
	(1) TITLE AND LOCATION <i>(City and State)</i> Groveland Lift Station No. 18 Groveland, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2015	CONSTRUCTION <i>(If applicable)</i> 2015
c.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm BEC provided design for a permanent standby generator for Groveland LS No. 18. This included design associated with the proposed duplex lift station. The design was based on the installation of two (2) 40-horsepower pumps with across the line starters. Our services also included the design of the Pump Control Panel system and a VT SCADA RTU.		
	(1) TITLE AND LOCATION <i>(City and State)</i> Clermont Lift Station No. E-4 Replacement Clermont, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2013	CONSTRUCTION <i>(If applicable)</i> 2015
d.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm BEC provided design associated with the proposed triplex lift station. The design was based on the installation of two (2) 120 HP pumps and one (1) 60 HP pump. All of the pumps were VFD driven with soft start bypass. Our design reused the existing VFDs. A new PCP was provided with pump bypass, contactors and PLC. This enclosure was ventilated but not air conditioned and was installed outdoors.		
	(1) TITLE AND LOCATION <i>(City and State)</i> Margate Lift Station No. 22 Margate, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2014	CONSTRUCTION <i>(If applicable)</i> 2015
e.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm BEC provided design of the electrical and control system for the duplex lift station improvements in accordance with the City standards. Our design included solid state starters for the pump motors.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT*(Complete one Section E for each key person.)*

12. NAME Allan G. Abubakar	13. ROLE IN THIS CONTRACT Project Manager	14. YEARS EXPERIENCE a. TOTAL 15 b. WITH CURRENT FIRM 15	
15. FIRM NAME AND LOCATION <i>(City and State)</i> Universal Engineering Sciences (Orlando, Florida)			
16. EDUCATION <i>(Degree and Specialization)</i> Bachelor of Science in Civil Engineering, Notre Dame University Cotabato City, Philippines (1992)		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> Professional Engineer, FL	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> CPN Training Course on Radiation Safety and Use of Nuclear Gauges American Society of Civil Engineers			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> North Broward Medical Center (Deerfield Beach, Florida)	(2) YEAR COMPLETED PROFESSIONAL SERVICES CONSTRUCTION <i>(If applicable)</i> 2008 N/A	
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Allan provided geotechnical exploration and engineering for the proposed construction of the Cyber Knife Facility. Geotechnical exploration included soil classification, determination of soil bearing capacity, and settlement analysis. Professional Fee: \$5,800.		
(1) TITLE AND LOCATION <i>(City and State)</i> Courtney Lakes (West Palm Beach, Florida)	(2) YEAR COMPLETED PROFESSIONAL SERVICES CONSTRUCTION <i>(If applicable)</i> 2007 N/A	
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Allan provided geotechnical engineering for the building foundation. This project consists of five five-story apartment buildings and paved areas. The engineering consisted of ground improvement by vibro-replacement due to the very loose soil condition. Professional Fee: \$8,700.		
(1) TITLE AND LOCATION <i>(City and State)</i> Artesia Towers (Sunrise, Florida)	(2) YEAR COMPLETED PROFESSIONAL SERVICES CONSTRUCTION <i>(If applicable)</i> 2010 N/A	
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Allen provided geotechnical exploration and engineering for the proposed two 16-story residential towers and a four-level parking garage. This project also includes two-story triplex residential buildings, gazebos, tennis courts, guardhouses, entrance monuments, and club homes. Professional Fee: \$22,500.		
(1) TITLE AND LOCATION <i>(City and State)</i> Palm Beach International Airport Improvements (West Palm Beach, Florida)	(2) YEAR COMPLETED PROFESSIONAL SERVICES CONSTRUCTION <i>(If applicable)</i> 2009 N/A	
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Allan provided geotechnical exploration and engineering report for this project. The project consists of the design and construction of a four-story building with paved areas, and a new heavy duty flexible pavement for Design Aircraft 727. Professional Fee: \$11,600.		
(1) TITLE AND LOCATION <i>(City and State)</i> Villages at Beacon Lakes (Miami, Florida)	(2) YEAR COMPLETED PROFESSIONAL SERVICES CONSTRUCTION <i>(If applicable)</i> 2017 N/A	
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Allan provided geotechnical exploration and engineering for the proposed construction of a 48,022 square feet single-story warehouse with paved areas. Geotechnical exploration included a delineation of organic soils underneath the proposed building area. Professional Fees: \$2,600.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT*(Complete one Section E for each key person.)*

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
John A. Gentile Jr.	Staff Engineer	a. TOTAL 5	b. WITH CURRENT FIRM 4
15. FIRM NAME AND LOCATION <i>(City and State)</i> Universal Engineering Sciences, Inc., West Palm Beach, FL			
16. EDUCATION <i>(Degree and Specialization)</i> BS in Civil Engineering, Florida Atlantic University (2014)		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> Engineering Intern	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> John is also a licensed AHERA Asbestos Inspector with specialized knowledge in Asbestos Contain Materials (ACM) and Asbestos containing Building Materials (ACBM). In August of 2015, John became a Florida Department of Transportation (FDOT) certified Pile Driving Inspector.			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> 3160 Ibis Isle - Forensic Study (West Palm Beach, Florida)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2016	CONSTRUCTION <i>(If applicable)</i> N/A
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This project includes a forensic study to evaluate the subsurface conditions and structural elements at the subject site. Universal conducted a geotechnical exploration to evaluate the subsurface conditions and structural elements at the subject site. Field exploration consisted of six (6), 25-foot deep Standard Penetration Test (SPT) borings located adjacent to the exterior walls of the structure, and two (2) cores of the concrete floor slab. Hand auger borings with Dynamic Cone Penetration Testing (DCP) was conducted through the core locations. Professional Fees: \$4,675		
(1) TITLE AND LOCATION <i>(City and State)</i> FL City Gas L-8 Crossing (Loxahatchee, Florida)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2015	CONSTRUCTION <i>(If applicable)</i> N/A
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This project includes installation of a gas pipeline by directional drill beneath the existing L-8 levee canal and dykes at the referenced location in Loxahatchee, Palm Beach County, Florida. The purpose of our exploration is to gather sufficient data to address geotechnical engineering concerns. Scope of services included: Mobilization/demobilization of drill rig and crew; Boring layout and underground utility clearance; Drill two (2) Standard Penetration Test borings to a depth of 60 feet at the directional bore location; Perform both visual and laboratory classification of collected soil samples; and Prepare a geotechnical engineering report with recommendations for pipeline installation. Professional Fees: \$4,265		
(1) TITLE AND LOCATION <i>(City and State)</i> Wendy's #11670 - Coconut Creek (Coconut Creek, Florida)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2016	CONSTRUCTION <i>(If applicable)</i> N/A
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This project consists of the design of a new substation, including towers, relay vault, transformer, paved areas and stormwater retention areas. The purpose of these geotechnical services is to gather subsurface soil data by advancing soil borings with a truck mounted drill rig to provide recommendations for site preparation, pond design, and foundation and pavement support. Professional Fees: \$3,467		
(1) TITLE AND LOCATION <i>(City and State)</i> WaWa Facility - Broward County (Plantation, Florida)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2016	CONSTRUCTION <i>(If applicable)</i> N/A
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm The project includes the design and construction of a 6,119 SF convenience store with 16 fueling positions on a site measuring 1.7 acres located on parcel addressed as 13 South State Road 7 in Plantation, Broward County, Florida. Professional Fees: \$4,060		
(1) TITLE AND LOCATION <i>(City and State)</i> Proposed Auto Body Repair Shop (Hollywood, Florida)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2016	CONSTRUCTION <i>(If applicable)</i> N/A
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This project consists of the design of a single story (16,900 SF) auto body repair shop on Lot 2 of the 2 acre subject site. The purpose of the geotechnical services is to gather generalized subsurface soil data in order to develop recommendations for site preparation, foundation design, and pavement design guidelines. This scope is based on a single story building designed with conventional concrete masonry walls and pre-fabricated metal roof bar joists with metal roof decking. Professional Fees: \$3,650		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT*(Complete one Section E for each key person.)*

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Peter G. Read	Technical Advisor	a. TOTAL 35	b. WITH CURRENT FIRM 19
15. FIRM NAME AND LOCATION <i>(City and State)</i> Universal Engineering Sciences, Inc., Miami, FL			
16. EDUCATION <i>(Degree and Specialization)</i> BS in Civil Engineering, University of Florida		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> Professional Engineer, FL State of Florida General Contractor CGC #47304	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> American Society of Civil Engineers			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
DB14-WASD-05 48-Inch Water Main (Miami, Florida)	PROFESSIONAL SERVICES 2014	CONSTRUCTION <i>(If applicable)</i> N/A
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm The project included providing geotechnical services during preparation of the design-build criteria package for the pipe installation, which required five micro-tunneling crossings and the rest with open-cut installation. Peter provided project oversight and final review of GBR and GDR reports that were integral parts of the contract documents. Contract Value: \$74,446.		
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
Westrec Haulover Marine Center (Miami Beach, Florida)	PROFESSIONAL SERVICES 2014	CONSTRUCTION <i>(If applicable)</i> N/A
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm The project consisted of constructing a 108,350 square feet enclosed dry storage facility that will replace an existing dry stack marina containing 260 open-rack dry storage units. The project also included a pile-supported slab-on-grade for forklifts. Additionally, floating docks will be constructed in Biscayne Bay. The project also included sheet piling to bring the site to grade. Peter served as a Principle in Charge. Contract Value: \$60,000.		
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
Indian Creek Drive ROW Infrastructure Improvements (Miami Beach, Florida)	PROFESSIONAL SERVICES 2016	CONSTRUCTION <i>(If applicable)</i> N/A
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm The project included roadway, drainage, lighting, and signalization improvements as well as replacement of a bulkhead wall along the existing canal. Additionally, the geotechnical services included providing design services for a pump station at 32nd Street, which included developing engineering recommendations for pump station foundation and excavation support. Peter served as Principle in Charge. Contract Value: \$21,842.		
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
DB13-WASD-04 Shenandoah Area (Miami, Florida)	PROFESSIONAL SERVICES 2016	CONSTRUCTION <i>(If applicable)</i> N/A
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This project included furnishing and installing 8-inch ductile iron water mains within the project boundary and fire hydrant assemblies, long- and short-service connections within the public right of way, relocating existing water meter from the rear of private properties to the right of way, and installing water service lines within private property for those properties with water meter relocations. Peter served as the Principle in Charge. Contract Value: \$56,060.		
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
Miami Beach Convention Center Renovation (Miami Beach, Florida)	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i> N/A
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This project consists of the renovation and expansion of the existing Miami Beach Convention Center with the addition of a two-story ballroom and meeting space with parking located on the roof of the north and west addition. Additionally, the project includes the construction of a park pavilion west of Convention Center Drive. Peter serves as the Principle in Charge. Contract Value: \$500,000.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT*(Complete one Section E for each key person.)*

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Jessika Blersch	Environmental Project Manager	6	1

15. FIRM NAME AND LOCATION *(City and State)*

Universal Engineering Sciences (West Palm Beach, Florida)

16. EDUCATION *(Degree and Specialization)*

BS, Biology

17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

FDEP Stormwater Erosion and Sedimentation Control Inspector, Department of Defense Integrated Pest Management Coordinator/Quality Assurance Evaluator, LEED Green Associate, DOT Hazardous Materials, OSHA 40-Hour HAZWOPER, GHS HAZCOM, 16 Hour Asbestos O&M, Oil and Hazardous Substance Spill Response, Environmental Management Systems & Compliance Auditing, Army National Guard Environmental Cleanup and Liabilities

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
32 East Atlantic Avenue (Delray Beach, Florida)	2018	N/A
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Universal performed a Phase I Environmental Site Assessment on the former site of 32 East restaurant in Delray Beach, Florida. The restaurant had formerly occupied the subject property for 22 years, while the site itself had been developed since the 1920s. Jessika evaluated the subject property for recognized environmental conditions, in accordance with ASTM format E1527-13. Professional Fees: \$1,900		
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
Poress Mobil - FDEP Facility #508514666 (Lake Worth, Florida)	2016	N/A
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Universal was contracted by the FDEP – Petroleum Restoration Program (PRP) to conduct Natural Attenuation Monitoring (NAM) at the Porees Mobil retail filling station. Universal has completed an Interim Site Assessment and NAM since 2016 with regard to reported petroleum releases that had occurred on-site in 1985. As of June 2018, Jessika determined that groundwater contamination is no longer present in excess of FDEP groundwater cleanup target levels (GCTLs) based off NAM sampling events, and submitted a No Further Action Proposal for the issuance of a Site Rehabilitation Completion Order to FDEP. Professional Fees: \$30,405.00		
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
Burger King - Phase I ESA (Lake Worth, Florida)	2018	N/A
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Jessika performed Phase I ESA on the site of a former retail filling station for the proposed development of a Burger King restaurant. The subject property had been occupied by the filling station since circa 1990, and two dry cleaning facilities had operated on nearby properties. UES evaluated the subject property for recognized environmental conditions, in accordance with ASTM format E1527-13. Professional Fees: \$1,900		
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT*(Complete one Section E for each key person.)*

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
James Adams	Project Manager	24	18

15. FIRM NAME AND LOCATION *(City and State)*

Universal Engineering Sciences (West Palm Beach, Florida)

16. EDUCATION *(Degree and Specialization)*

Broward Community College

17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*

Registered Environmental Property Assessor #6168

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

OSHA 40-Hour Health and Safety Training for Hazardous Waste Site Investigation

AHERA Building Inspector

AHERA Contractor/Supervisor

NIOSH 582E

LPA-1XRF Spectrum Analyzer Operator Safety

Training

CPN Radiation Safety Officer Training

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
Riverbend Marketplace, Subsurface and Stockpiled Soil Assessment (Fort Lauderdale, Florida)	2016	N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm a. James performed and supervised the assessment prior to redevelopment activities for a large retail center. The identified chemicals of concern (COC) consist of benzo(a)pyrene congeners in the soil. The soil impacted by benzo(a)pyrene congeners was identified in the on-site stockpiles of soil and within "hot spot" areas below land surface across the site. He also supervised source removal activities where 6,502.89 tons of impacted soil was excavated, loaded, and transported off site for disposal. The contract is valued at \$10,300.		
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
Private Garage (West Palm Beach, Florida)	2016	N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm b. James conducted subsurface soil assessment and source removal activities related to a historical railroad bed impacted by arsenic and petroleum constituents. A total of 400.55 tons of arsenic and BaP impacted soil and 2.9 tons of contaminated railroad ties were excavated, loaded, and transported off site for disposal. The contract is valued at \$60,000.		
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
Palm Corp (Miami, Florida)	2016	N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm c. James supervised a subsurface soil and groundwater assessment of two large historical plant nurseries. The field work included soil boring and collection, collection of near surface soil samples, and installation of groundwater monitoring wells to assess the sites for potential impacts by petroleum products and agrochemicals. The contract is valued at \$17,000.		
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
Proposed Self Storage/Little Gables Park (Miami, Florida)	2017	N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm d. James supervised a subsurface soil and groundwater assessment of two historical plant nurseries. The field work included soil boring and collection, collection of soil samples, and installation of groundwater monitoring wells to assess the sites for potential impacts by petroleum products and arsenic. He also supervised source removal activities where 694 tons of impacted soil was excavated, loaded, and transported off site for disposal. The contract is valued at \$98,000.		
(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
Chevron (Miami, Florida)	2016	N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm e. James supervised a subsurface soil and groundwater assessment of an active retail filling station for Florida's Petroleum Restoration Program. The field work included soil boring and collection, collection of soil samples, and installation of groundwater monitoring wells to assess the sites for potential impacts by petroleum products. The is valued at \$11,000.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT*(Complete one Section E for each key person.)*

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Rachel Dobrilovic	Environmental Specialist	2	2

15. FIRM NAME AND LOCATION *(City and State)*

Universal Engineering Sciences (West Palm Beach, Florida)

16. EDUCATION *(Degree and Specialization)*

BS, Environmental Science

17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

Rahcel specializes in performing Phase I ESA's for due-diligence and Phase II Environmental Site Assessments. Her experience covers field investigations of groundwater and soil contamination generated by various commercial and industrial sources, report generation, AutoCAD drafting, and supervising of drilling operations, source removal, and underground storage tank removal.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
Various Residential & Commercial Properties (Various Clients, Florida)	2016	N/A
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm The Phase I ESA's were performed in general accordance with the American Society of Testing of Materials (ASTM) Standard Practice for the evaluation of environmental risk by determining the potential of recognized environmental concerns (RECs) associated with the subject property and surrounding properties. She has conducted field reconnaissance, reviewed regulatory files and reviewed historical documents. Project sites included shopping centers, automotive repair, commercial office buildings, residential neighborhoods, retail gasoline stations, and undeveloped properties. The size of the properties ranged from less than one acre to over 500 acres of land.		
All Aboard Florida, (West Palm Beach, Florida)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
	2015	N/A
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Rachel completed a comprehensive turbidity study at various sites ranging from Palm Beach County to Miami-Dade County. Professional Fees: \$2,094,399.99		
Riverland McDonalds, (Fort Lauderdale, Florida)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
	2015	N/A
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Rachel conducted groundwater monitoring at a former gas station for quarterly natural attenuation motoring. Professional Fees: \$20,080		
Former Railway, (West Palm Beach, Florida)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
	2017	N/A
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Rachel collected and logged subsurface samples that were along an existing railroad spur, supervised impacted source removal and excavation of railroad ties. Over 400 tons of impacted soil was excavated and disposed by a licensed waste disposal facility.		
Former Retail Gasoline Station, Fort Lauderdale, Florida	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
	2017	N/A
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Rachel conducted Phase II Environmental Site Assessments, source removal/site assessment and groundwater monitoring at a former gas station during construction for a commercial development company. A total of 5 UST's were removed and over 78 tons of impacted soil was excavated and disposed by a licensed waste disposal facility. Rachel collected and logged subsurface soil samples, supervised drilling operations for the installation and retrofitting of several monitor wells, and has preformed the subsequent groundwater monitoring for petroleum impacted area.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT*(Complete one Section E for each key person.)*

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
James L. Andersen	Hydrogeologist	34	3

15. FIRM NAME AND LOCATION *(City and State)*

Connect Consulting, Inc., Jupiter, FL

16. EDUCATION *(Degree and Specialization)*

Bachelors of Science, Geology, Florida Atlantic University

17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*

Professional Geologist - Florida License No. 1103

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

Florida Section American Water Works Association (AWWA), Southeastern Desalting Association (SEDA), American Membrane Treatment Association (AMTA), Geological Society of America (GSA), International Association of Hydrogeologists (IAH)

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
Coral Springs Improvement District Well 9 Rehabilitation Coral Springs, Florida	2018	2018
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm a. Project goal was to rehabilitate public water supply well 8 and restore lost capacity. Services included developing technical specifications, soliciting water well contractors, oversight of well rehabilitation. Methods included chemical and mechanical techniques to restore lost production. Specific capacity was increased from 12 to 30 GPM/Ft. allowing the well to safely produce the original design rate of 750 GPM. Fee = \$10,000.00; Role: Project Hydrogeologist		
Coral Springs Improvement District Well 4R Redevelopment Coral Springs, Florida	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
	2017	2017
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm b. Project goal was to reduce or eliminate sand production from public water supply well 4R. Services included developing technical specifications, soliciting water well contractors, oversight of well rehabilitation. Methods included mechanical techniques to reduce or eliminate sand production. Sand production was reduced and specific capacity was increased allowing the well to safely produce the original design rate of 750 GPM. Fee = \$15,000.00; Role: Project Hydrogeologist		
Ft. Pierce Utility Authority Well W-1 Abandonment & Replacement Ft. Pierce, Florida	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
	2017	2017
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm c. Project was to replace an existing well that had lost production and could not be rehabilitated. Services included water use permitting, conceptual well design, preparing technical specifications, soliciting water well contractors, service during construction, data collection and final reporting. Completed well was 12-inch diameter stainless steel with wire wrapped screen set between 74 and 114 feet below land surface. Fee = \$17,000.00; Role: Project Hydrogeologist		
Evaluation of Three (3) Brackish Water Reverse Osmosis Public Water Supply Wells - Town of Highland Beach, Highland Beach, Florida	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
	2018	2018
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm d. Reviewed available construction & operational data, developed & implemented data collection program, evaluated the data to determine water quality trends, well production, and interference between wells. Recommended equipping each of the wells with pressure transducers and data loggers and conduct a series of operational tests to monitor water levels and interference under four different pumping scenarios. Fee = \$12,000.00; Role: Project Hydrogeologist		
Rehabilitation of Water Treatment Plant No. 3 & 9 Surficial Aquifer Production Wells, Palm Beach County Water Utilities, Florida	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
	2016	2017
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm e. Provided hydrogeologic consulting services during design, bidding, and construction phases for rehabilitation program of WTP 3 & 9. Early design estimates provided an innovative cost matrix to accurately predict project budgets and stay within budget. OPCs accurately predicted costs and rehabilitation of the well restored lost capacity. Fee = \$ TBD; Role: Project Hydrogeologist.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT*(Complete one Section E for each key person.)*

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
David S Robertson, P.G.	Principal Hydrogeologist	30	12

15. FIRM NAME AND LOCATION *(City and State)*

Connect Consulting, Inc., Jupiter, FL

16. EDUCATION *(Degree and Specialization)*

Bachelors of Science, Geology, Florida Atlantic University

17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*

Professional Geologist - Florida License No. 1625

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

Florida Section American Water Works Association, Southeast Desalting Association, Caribbean Desalination Assoc

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
a.	Wells 9, 10 and 11 Rehab, City of Pembroke Pines, FL	2016	2016
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Well rehabilitation of three (3) of the City's wells including video inspections, pump fishing and removal, acid treatments, pump replacements and wellhead improvements.		
		<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	Injection Wells IW-1 and IW-1 MIT, Pembroke Pines, Florida	2016	2016
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Injection Wells IW-1 and IW-1 Mechanical Integrity Testing and Reporting		
		<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	Coral Springs Improvement District	2016	2017
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Design and Construction of Replacement Wells W-4 and W-7		
		<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	University of Central Florida Well 4 Rehab	2018	2018
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Design and installation of a liner casing in an Upper Floridan Aquifer well to correct casing seal failure.		
		<input checked="" type="checkbox"/> Check if project performed with current firm	
e.	City of Palm Coast Water Use Pemriting	2017	2017
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE SJRWMD Water Use Permit modification, design and installation of wells in multiple aquifers to perform aquifer performance testing to support the permit and proposed withdrawals. Aquifers included the Upper Floridan Aquifer and Surficial Aquifer.		
		<input type="checkbox"/> Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT*(Complete one Section E for each key person.)*

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Elizabeth S. Owosina, P.G.	Sr. Hydrogeologist	a. TOTAL 10	b. WITH CURRENT FIRM 1
15. FIRM NAME AND LOCATION <i>(City and State)</i> Connect Consulting, Inc., Jupiter, FL			
16. EDUCATION <i>(Degree and Specialization)</i> Bachelors of Science, Geology, Franklin and Marshall College 1992 Masters of Science, Geology, University of Idaho 1994		17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> Professional Geologist - Florida License No. 2144	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i>			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
Town of Highland Beach, UFA Well Evaluations	PROFESSIONAL SERVICES 2018	CONSTRUCTION <i>(If applicable)</i> 2018
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Performance and water quality testing of three (3) Upper Floridan Aquifer wells to evaluate drawdown and interference effects from pumping. Results were compared with original construction testing reported data to evaluate performance losses over time. <input type="checkbox"/> Check if project performed with current firm		
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Wellfield Condition Assessments including performance and water quality testing of two surficial aquifer wellfields in southern Palm Beach County. <input checked="" type="checkbox"/> Check if project performed with current firm		
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Well 9 Rehabilitation including well inspection, pre and post rehab performance testing, multiple acid treatments, gravel supplementation, development and performance testing. <input checked="" type="checkbox"/> Check if project performed with current firm		
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Design and installation of a liner casing in an Upper Floridan Aquifer well to correct casing seal failure. <input checked="" type="checkbox"/> Check if project performed with current firm		
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm		

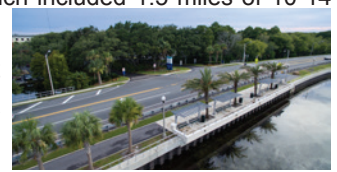
F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 1		
21. TITLE AND LOCATION (City and State) Continuing Services Contract - City of Sanford Sanford, FL	22. YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES Ongoing</td> <td>CONSTRUCTION (If applicable) Ongoing</td> </tr> </table>		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) Ongoing
PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) Ongoing			
23. PROJECT OWNER'S INFORMATION				
a. PROJECT OWNER City of Sanford	b. POINT OF CONTACT NAME Bilal Iftikhar, P.E.	c. POINT OF CONTACT TELEPHONE NUMBER 407.688.5000 Ext. 5085		

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

Relevant Categories for Consideration: General Civil and Environmental Engineering Services, Treatment Plant Process Engineering Services, Land Surveying Services, General Architectural Services, Landscape Architectural Services, FDOT Roadway Engineering Services

CPH has been providing design and construction services to the City of Sanford since 1958. Projects have included water, wastewater, stormwater, roadway, parks, and trails. The team has provided services that include engineering, landscape architecture, architecture, planning, surveying, environmental science, and construction administration. Some of the most recent projects for the City include:

US 17/92 Riverwalk, Phase II & III (FDOT LAP) – CPH provided design for this FDOT LAP project which included 1.5 miles of 10-14 foot wide trail, replacement of 5,500 feet of seawall along Lake Monroe, trail head parking, a prefabricated pedestrian bridge over Mill Creek, hardscaping, landscaping, and lighting. The design included advanced coordination with SJRWMD and FDEP because of work within sovereign submerged lands, replacement seawall, and pedestrian bridge. Due to the need for the trail to comply with ADA 2% maximum cross slope requirements, retaining walls were used in some areas to provide the necessary flat area, and simultaneously provided 100 year flood plain compensation – a requirement of the SJRWMD. CPH also provided planning, survey, and design services for a 1.7 mile extension to an existing trail. The new extension connects to the previous phase designed by CPH and is the final connection between the I-4 Corridor with the adjacent Seminole County Rinehart Trail and the downtown Sanford RiverWalk Trail system. Additionally, these improvements filled the largest remaining gap within the Lake Monroe Trail Loop system which spans both Seminole and Volusia Counties.



Sanford North WRF Biological Nutrient Removal (BNR) Expansion - The Sanford North WRF IFAS BNR improvements consist of the following infrastructure: (1) new RAS/WAS pumping systems; (2) primary anoxic basins (2-stage); (3) wastewater step-feed process; (4) aerobic basins; (5) deoxygenation basins; (6) secondary anoxic basins; (7) reaeration basins; (8) turbo blowers (5 units); (9) chemical and supplemental carbon storage/handling facilities; (10) aerobic digestion system improvements; (11) internal recycle systems; and (12) various buildings. The facilities will meet all TN and TP mandated effluent limitations.

Continuing Surveying Services - CPH has been providing ongoing surveying and mapping services to the City since 2001. The team has provided various surveying services for projects that include: infrastructure improvements, water/wastewater facilities, stormwater improvements, roadway projects, parks projects and beautification/historic improvement projects. Examples of Completed Survey projects include: Volusia-Sanford Reclaimed Interconnect, Mill Creek and Cloud Branch Drainage Improvements, Sanford South Water Resource Center Facility Improvements, Orlando-Sanford International Airport Terminal Expansion, Sanford North Shore/Marina Restabilization Project, Continuing Plat Review Services.

Sanford Civic Center - CPH was commissioned by Sanford's Community Development Agency to provide conceptual plans for a new 18,000 SF "Civic Center". The new facility will expand present inventory of meeting rooms and flexible banquet areas for public use in the range of 500-700 people. Specific meeting rooms and offices will be provided for senior citizens. Prefunction social gathering areas will be complimented by massive exterior covered patios and spacious interior circulation spaces. Provisions will also include landscape alcoves, delivery ports for catered service and abundant parking within the borders of the site.



Sanford 1st Street Streetscape and Gateway Improvements - CPH was contracted with the City of Sanford to provide a streetscape design package for a 6-block section of Historic First Street. The intent of this project was to closely match the streetscape of improvements previously completed on First Street. Close coordination with City staff involved in adjacent projects is of utmost importance as we provided seamless transition from one phase to another. Plans and services included the conceptual and final design of a gateway feature introducing the historic district.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME CPH, Inc.	(2) FIRM LOCATION (City and State) Miami, FL	(3) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 2
21. TITLE AND LOCATION (City and State) Continuing Services Contract - Miami-Dade County Miami-Dade County, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) Ongoing
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER Miami-Dade County	b. POINT OF CONTACT NAME Ms. Alice K. Arguelles	c. POINT OF CONTACT TELEPHONE NUMBER 786.263.6406

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Relevant Categories for Consideration: General Civil and Environmental Engineering Services, Land Surveying Services, General Architectural Services, Landscape Architectural Services

CPH has been providing design and construction services to Miami-Dade County since 2012. Projects have included roadway, parks, sewer, water, and trails. The team has provided services that include engineering, landscape architecture, architecture, planning, surveying, environmental science, and construction administration. Some of the most recent projects for the County include:

Government Center Station Entrance Doors - CPH was selected to provide design modification for the existing entrance doors at the Government MDT Rail and Mover Stations.

Jackson Memorial Hospital Renovations - CPH was tasked to prepare design development and construction drawings of the conceptual design prepared by Heery Design of the Alamo Plaza Renovation and the East Entrance Renovation. The scope of work included the preparation of drawings for: building demolition, gate house design, entry wall and fence detailing, streetscape paving detailing, grading and drainage, sediment and erosion control, landscaping, irrigation and donor wall and pergola design detailing. One of the primary design intents is to transform a driveway entrance road into a pedestrian plaza that seamlessly flows with the existing Alamo Plaza.

58th Street Master Plan - CPH was selected to provide the 58th Street Master Plan to include traffic flow study, paving, drainage, parking improvements and feasibility analysis.

TGK Booking Center-Study, Design, and Construction - CPH performed a design study to create a centralized booking area in their existing Turner Guilford Knight Correctional Center. In order to establish a centralized booking area, separate entrances for law enforcement officers (LEOs) and inmates had to be created. CPH provided a conceptual plan that converted an existing covered parking garage into a secured bus drop-off area for the inmates. CPH was also able to create a concept plan for a Sally Port and secured parking area for the LEOs. Both required new entrances to be installed on existing walls. After completing the design study, the Corrections Department decided to select CPH to prepare construction documents for the project as well. In order to complete this phase, CPH provided civil, architectural, and surveying services. The final design chosen by the Corrections Department was derived from the initial study CPH previously performed.

Limits of Site Survey- Tamiami Building 227 - CPH performed three-dimensional laser scanning to provide a Topographic Survey of Building 227 along with the parking lot and adjacent areas located at the Kendall-Tamiami Executive Airport. Topographic services include a 100 foot topographic grid of area, location of existing visible above ground improvements & visible utilities within scope, elevations every 50' with the exception on the east side of the structure (Building 227), those elevations were every 25', elevations of the finished floor of the structures at multiple locations, location of top, rim and bottom of retention pond, set two (2) site Benchmarks with State Plane Coordinates for horizontal location.

Cultural Arts Center Survey - CPH performed a Topographic Survey of a portion of Folio Number 36-6007-000-0551 located at 10800 S.W. 211th St., Miami-Dade County, Florida as per Rule Chapter 5J-17 of the Florida Administrative Code in compliance with the minimum technical standards of surveying and mapping of the State of Florida. Items within the scope included the location of existing visible above ground improvements & visible utilities (Rim Elevation, Invert Elevation, Valve Covers, etc.), location of trees and landscape areas, topographic grid of a proposed fence (approximately 600' X 75') at 20' cross sections with 3 shots in each cross section and location of Irrigation Heads if visible.

Survey-Vizcaya Village - CPH was selected to provide a Topographic Survey for the Vizcaya Museum and Gardens, located in the City of Miami, Miami-Dade County, FL. CPH located all surface features within the designated areas and elevations were obtained at 50 foot intervals which included obvious intermediate high and low areas. In addition, CPH field located all native tree species as flagged by CPH's Certified Arborist.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME CPH, Inc.	(2) FIRM LOCATION (City and State) Miami, FL	(3) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 3
21. TITLE AND LOCATION (City and State) Continuing Services Contract - City of DeLand DeLand, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2014	CONSTRUCTION (If applicable) 2016
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of DeLand	b. POINT OF CONTACT NAME Keith Riger, P.E.	c. POINT OF CONTACT TELEPHONE NUMBER 386.626.7196

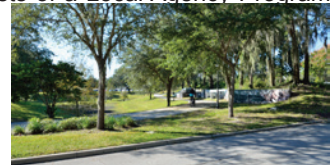
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Relevant Categories for Consideration: General Civil and Environmental Engineering Services, Land Surveying Services, General Architectural Services, Landscape Architectural Services, FDOT Roadway Engineering Services

CPH has been providing design and construction services to the City of DeLand since 1997. Projects have included water, wastewater, stormwater, roadway, parks, and trails. The team has provided services that include engineering, landscape architecture, architecture, planning, surveying, environmental science, and construction administration. Some of the most recent projects for the City include:

DeLand New Public Works Complex - The project included 12,800 SF of general building structure that will be a pre-engineered single story metal building. CPH provided architectural and engineering services for this Design/Build project.

Alabama Avenue Greenway, Phases 1 and 2 (FDOT LAP) - Alabama Avenue Greenway project consists of a Local Agency Program (LAP) project between the Florida Department of Transportation and the City of DeLand. The project included the design and CEI of a 1.4-mile shared use path from the City's Earl Brown Park to the City's Painters Pond Park. The design phase required reviewing the trail study prepared for FDOT by another engineering company, and modifying the alignment and trail width to fit within the City's existing rights-of-way. Portions of the project were located on the City's existing property, while other areas travel through some of the historic neighborhoods with limited right-of-way. The areas with narrow right-of-way required narrowing the existing roadway, overlaying portions of the existing road to provide adequate drainage without adding additional structures. Phase 2 consisted of a 0.70-mile extension of the original 1.20-mile trail.



Spec Martin Stadium and Earl Brown Park Improvements - As part of the upgrades to Spec Martin Stadium for the revival of Stetson Football, CPH was selected to architectural and engineering services for the renovations. We utilized our 3D laser survey equipment to create a 3D model of the historic earthen berm stadium. With the existing condition 3D model created, our designers were able to accurately model the proposed improvements and give the stakeholders a chance to see how the new upgrades would meld with the historic stadium. The renovations included the construction of a new multi-story press box that had suites for the Stetson University president, City officials, Press, and Coaches. A covered observation deck was added on the roof to allow for filming. Additional upgrades were also needed to the officials, visiting team, and home team locker rooms which were included as part of the project. The primary improvement was the addition of paved parking on the home and visitor sides of the stadium as well as grass parking across the street in Earl Brown Park. ADA upgrades were made to the south side of the stadium to allow visitors the ability to access this part of the locker rooms and concession building. Stormwater upgrades are required for any new impervious area added to the site. For this we designed multiple treatment options which included overland flow system, exfiltration trenches, and dry retention ponds. The systems were designed and permitted for future development of the stadium and parking areas.



West Georgia Avenue Streetscape and Landscaping Improvements - CPH worked with the City to develop a vision plan and the creation of a corridor that improved pedestrian connectivity/safety, encouraged economic growth and investments, and created a "festival" street. The heart of the district is Georgia Avenue, which was in need of major repair and was not pedestrian friendly. The innovative design created an Urban Shared-Street by raising the roadway to the sidewalk level. This not only eliminated the tripping hazards traditional curb and gutters create, but also addressed the numerous ADA accessibility issues at the existing driveways. The roadway was designed with an inverted crowned section sending the storm water to the center of the street, and Old Castle Adobe concrete pavers where use in a decorative herringbone pattern down the street. Removable bollards are used to define the festival area limits at both ends of the street, which allows for closure during events. The addition of festoon (market) lights along the corridor helped create a vibrant "festival-like" atmosphere, significantly enhancing evening events.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME CPH, Inc.	(2) FIRM LOCATION (City and State) Miami, FL	(3) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 4
21. TITLE AND LOCATION (City and State) Continuing Services Contract - City of Palm Coast Palm Coast, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) Ongoing
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Palm Coast	b. POINT OF CONTACT NAME Mr. Richard Adams	c. POINT OF CONTACT TELEPHONE NUMBER 386.626.7197

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

Relevant Categories for Consideration: General Civil and Environmental Engineering Services, Treatment Plant Process Engineering Services, Land Surveying Services, General Architectural Services, Landscape Architectural Services, FDOT Roadway Engineering Services

CPH has been providing design and construction services to the City of Palm Coast since 1998. Projects have included water, wastewater, stormwater, roadway, parks, and trails. The team has provided services that include engineering, landscape architecture, architecture, planning, surveying, environmental science, and construction administration. Some of the most recent projects for the City include:

SRF Funded Swale Rehabilitation Project - This project consisted of the rehabilitation of approximately 50 miles of roadside swales throughout the City. CPH's services included providing ROW surveys for the swale systems, and associated culverts to their outfall locations as well as preparation of construction plans for positive outfall to all of the swales, as well as identify and correct any driveway or roadway culverts that were impeding the flow of stormwater. Permit exemptions were obtained from SJRWMD for all of the improvements. CPH assisted the City with securing FDEP SRF loans for the project.

Palm Coast Water Treatment Plant No. 3 - CPH provided complete design (architectural and civil design) and construction management services for a new water treatment facility and administration offices. CPH prepared the initial project scope, initial budgets, prepared surveys, designs, permitted the project with FDEP, FDOT, Army Corp of Engineers, Flagler County, City of Palm Coast, and the St. Johns River Water Management District and provided full construction engineering and inspection services for the project.

Palm Coast WRF No. 2 MBR BNR Improvements - : The Palm Coast WRF No. 2 MBR/BNR improvements consist of the following infrastructure: (1) flow metering systems; (2) Influent headworks structure with mechanical drum screens and grit removal; (3) a 5-Stage MBR/BNR treatment system (2 trains) - anaerobic basins, primary anoxic basins, aerobic basins, deoxygenation basins, secondary anoxic basins and reaeration basins; (4) process control equipment; (5) flow equalization to reduce the required membrane surface area and enhance the effectiveness the biological processes (6) fine and coarse bubble aeration systems; (7) internal recycle pumping systems; (8) submersible mixing systems; (9) membrane modules with flat plate membrane panels for the MBR tanks as well as cleaning and backwashing systems; (10) chlorine contact chambers; (11) a transfer pump station; (12) a 2.0 MG ground storage tank; (13) a reject/percolation pond; (14) chemical and supplemental carbon storage/handling facilities; (15) sludge holding/treatment tanks; (16) sludge dewatering facilities; (17) electrical, controls, instrumentation and SCADA improvements.



Easthampton Boulevard Multi-Purpose Trail (FDOT LAP) - CPH provided design services for a 1.25 mile, 10-ft wide concrete trail within the Easthampton Blvd. right-of-way. The project included a prefabricated pedestrian bridge over the Easthampton Waterway and required a drainage analysis to maximize the remaining swale, minimize earthwork, and to maintain the City's conveyance system which doubles as part of the City's overall 100-yr flood storage. Minor traffic modifications at the intersection of Belle Terre Parkway included repositioning the existing pedestrian features and designing a custom pedestrian curb cut ramp to include a divided trail segment around the existing signal mast arm pole meeting FDOT and ADA standards. This project received funding through the FDOT Local Agency Program (LAP) and required coordination and approval from FDOT.

Belle Terre Parkway 4-Laning - CPH provided services including design, traffic services, landscape architecture, right-of-way acquisition, surveying and environmental services for the Belle Terre Parkway 4-Lane. The project consisted of approximately 4.1 miles of a 4-lane divided roadway, four 12-ft. travel lanes and two 4-ft. bicycle lanes. CPH provided general traffic engineering services including access management studies, traffic volume projections and traffic signal warrant analysis, plus the design of five new signals. The project also included the re-design of approximately 10,000 l.f. of 20-inch water main, 12,000 l.f. of 12-inch water main and 20,000 l.f. of 16-inch force main. Coordination with Florida Power and Light was provided to assist the City to bury 2 miles of overhead utilities, and avoid any potential conflicts between all utilities.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME CPH, Inc.	(2) FIRM LOCATION (City and State) Miami, FL	(3) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 5
21. TITLE AND LOCATION (City and State) Continuing Services Contract - Volusia County Volusia County, FL	22. YEAR COMPLETED PROFESSIONAL SERVICES Ongoing CONSTRUCTION (If applicable) Ongoing	
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER Volusia County	b. POINT OF CONTACT NAME Michael Ulrich	c. POINT OF CONTACT TELEPHONE NUMBER 386.736.5965

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Relevant Categories for Consideration: General Civil and Environmental Engineering Services, Treatment Plant Process Engineering Services, Land Surveying Services, General Architectural Services, Landscape Architectural Services, FDOT Roadway Engineering Services

CPH has been providing design and construction services to Volusia County since 1974. Projects have included water, wastewater, stormwater, roadway, parks, and trails. The team has provided services that include engineering, landscape architecture, architecture, planning, surveying, environmental science, and construction administration. Some of the most recent projects for the County include:

Volusia SW Regional WRF BNR Expansion and Improvements - CPH provided planning, design, permitting, and construction administration and inspection for upgrades to the Southwest Regional Water Reclamation Facility to meet Advanced Wastewater Treatment standards and expansion of the treatment capacity by up to 1.0 million gallons per day (MGD). CPH reviewed the existing conditions, evaluated upgrades to meet AWT standards, evaluated nutrient removal alternatives and developed alternative costs for Volusia County as well as providing grant and appropriations funding assistance. The SW Regional WRF BNR improvements consist of the following infrastructure: (1) new flow metering systems; (2) a new mechanical barscreen system; (3) an anoxic flow equalization basin; (4) conversion of the USBF treatment trains and the Orbal Treatment Trains into fourstage BNR treatment systems (anaerobic basins, primary anoxic basins, aerobic basins, deoxygenation basins, secondary anoxic basins and reaeration basins); (5) a common reaeration basin; (6) two new secondary clarifiers and RAS/WAS pumping systems; (7) Addition of one turbo blower; (8) Fine bubble aeration/bubble mixing systems; (9) Internal recycle pumping; (10) chemical and supplemental carbon storage/handling facilities; (11) disc filtration system expansion; (12) electrical, controls, instrumentation and SCADA improvements; (13) roadway improvements; and (14) various buildings.



Tenth Street - This task consisted of reconstructing 1.2 miles of an existing 2-lane rural road to a 4-lane divided urban road. The proposed cross-section included four 12-ft. lanes with 4-ft. bike lanes in both directions. CPH also assisted Volusia County by preparing right of way maps, and legal sketches and descriptions for the additional right of way and pond sites. The maintenance of traffic was also a critical element to maintain and ensure full access to two schools, by both vehicles and pedestrians, during construction. The proposed stormwater management facilities included joint use between the roadway project and one of the school's properties.

Rhode Island Avenue - CPH's task consisted of designing 1.4 miles of a new 2-lane divided rural road with a raised curb median, and re-design of an existing signalized intersection at US-17/92. The design included a 2-lane cross section that can be widened in the future to a 4-lane urban road with minimal construction. The stormwater management system was designed to collect and treat runoff from the current 2-lane rural road, but also has the capacity and the infrastructure in place to handle the future widening utilizing the same stormwater pipe/treatment system. Permitting included stormwater permitting through St. Johns River Water Management District, and a Driveway Connection Permit through the Department of Transportation



Spring Hill Park/Trail - CPH provided engineering and landscape architectural services for the expansion of Spring Hill Park. The project included preliminary engineering and site planning, along with construction estimates. Assistance was provided to the client in public presentations and community meetings. The final product consisted of phased construction plans with final engineering, a basketball court, restroom facility, tot lot, and pavilion. The existing walking trail was expanded to encompass the additional park area. Park landscaping was improved to provide shade to trails and vegetation screening at parking areas.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME CPH, Inc.	(2) FIRM LOCATION (City and State) Miami, FL	(3) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 6
21. TITLE AND LOCATION (City and State) Continuing Services Contract - Orange County Utilities Department Orange County, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) Ongoing
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER Orange County Utilities Department	b. POINT OF CONTACT NAME Gary Morris, P.E.	c. POINT OF CONTACT TELEPHONE NUMBER 407.254.9711

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

Relevant Categories for Consideration: General Civil and Environmental Engineering Services, Land Surveying Services, General Architectural Services, Landscape Architectural Services, FDOT Roadway Engineering Services

CPH has been providing design and construction services to Orange County since 1985. Projects have included water, wastewater, stormwater, and roadway. The team has provided services that include engineering, landscape architecture, architecture, planning, surveying, environmental science, and construction administration. Some of the most recent projects for the County include:

SR-50 Utility Relocation Project - This project provided improvements to over 13 miles of the water distribution system and wastewater collection and transmission system within the SR-50 Corridor, one of the busiest roads in Central Florida – which is being expanded from 4-lanes to 6-lanes. The utility improvements included building new facilities as well as the removal of facilities in conflict with the FDOT roadway design. The utility improvements were constructed as part of the construction of the FDOT SR-50 projects under a joint agreement between Orange County and FDOT.



SR-528 Utility Relocation Project - This project was initiated by Orange County Utilities (OCU) to relocate a 16-inch force main as a result of the bridge widening of SR-528 from I-4 to the Airport Toll Plaza. The widening of the SR-528 had the potential to impact lines owned and maintained by Orange County in Multiple locations. The challenges of this project included replacing the 16-inch force main with a new 30-inch force main within the John Young Parkway right-of-way under the existing SR-528 bridge, having minimal disruption to the roadway and still maintain operation to the existing force main. The project included two 54-inch jack and bores of 280 ft. and 60 ft. each, three 16-inch lines stops, two large thrust blocks, and 1,500 ft. of 30-inch force main. The construction documents meet FDOT and Turnpike plan preparation standards, FDOT roadway design schedule, and were coordinated with the FDOT road design and other utilities.



NWWRF IR and RAS Pump Station Replacements - This project was an improvement at the Orange County Northwest Water Reclamation Facility. The project consisted of the replacement of the internal recycle pumps with the change out of the magnetic drives with variable frequency drives and new electrical switchgear and panels. It also included the replacement of 4 return activated sludge pumps.

Moselle Avenue and Corrine Terrace Pump Stations and Forcemain Replacements - CPH was responsible for the construction of approximately 7,470 LF of 8 and 10-inch PVC gravity sewer, 28 sanitary manholes, reconnection of 99 service laterals, 5,165 LF of 6-inch force main, two new duplex pump stations and site plans, two existing pump stations abandonments, existing sewer removal or abandonments, and easement acquisitions. The project work involved working within a residential neighborhood within the Rights-Of-Way of Orange County. CPH was responsible for completing applications and obtaining a wastewater collection system permit. Additionally, CPH also obtained the Orange County Building permits for the pump station sites. CPH also coordinated with the Orange County Public Works to facilitate the successful completion of needed project easements. During construction, CPH provided part time project observations, attended monthly meetings, reviewed shop drawings, replied to requests for information, and reviewed change orders as needed.

Pump Station 3028, 3202 & 3024 Replacement and Rehabilitation - CPH was recently retained by Orange County Utilities Engineering Department to design the replacement of Pump Stations 3202 and 3014, and the rehabilitation of Pump Station 3028. The pump station replacements and rehabilitation involve the replacement of the pumps, control and electrical systems, replacement of the internal piping, the installation of a liner system for the wet wells. The replacement of Pump Stations 3202 and 3014 include the replacement of the existing wet well and valve vault, by retrofitting the existing wet wells to serve as new upstream manholes. At each pump station the upstream manholes and gravity sewer were rehabbed, approximately 900 linear feet of 8" gravity sewer and six (6) manholes were lined.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME CPH, Inc.	(2) FIRM LOCATION (City and State) Miami, FL	(3) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 7
21. TITLE AND LOCATION (City and State) Continuing Services Contract - City of Lake Mary Lake Mary, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) Ongoing
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Lake Mary	b. POINT OF CONTACT NAME Jackie Sovia	c. POINT OF CONTACT TELEPHONE NUMBER 407.585.1419

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Relevant Categories for Consideration: General Civil and Environmental Engineering Services, Treatment Plant Process Engineering Services, Land Surveying Services, General Architectural Services, Landscape Architectural Services, FDOT Roadway Engineering Services

CPH has been providing design and construction services to the City of Lake Mary since 1975. Projects have included water, wastewater, stormwater, roadway, parks, and trails. The team has provided services that include engineering, landscape architecture, architecture, planning, surveying, environmental science, and construction administration. Some of the most recent projects for the City include:

Lake Mary Water Treatment Plant - CPH provided design and services during construction for the addition of two new 1600 gpm water supply wells. CPH provided design services for the upgrade of the water treatment plant to accommodate the new wells. The upgrades include addition of one ton chlorine chemical feed facilities, upgrades to the chlorination system, new fluoride feed facilities, addition of two new high service pumps, new raw water mains, and associated electrical and control modifications

Lake Mary Trailhead, Multi-Use Trail, and Gateway Park - CPH provided civil, landscape, and construction services for Rinehart Road Trail, Trailhead Park, and Lake Mary Gateway. The project entailed the planning and layout of a 12-ft. 2.1 mile asphalt trail segment from Lake Mary Blvd to CR46A. This portion of the trail is part of the Florida National Scenic Trail System. The project was done in conjunction with a roadway project which included the widening from 2-lane to 4-lane.

Sand Pond Road and Skyline Drive - CPH completed the Sand Pond/Skyline roadway project for the City of Lake Mary. The 1.25-mile project consists of minor widening, turn lane improvements, safety upgrades and converting the existing 2-lane rural roadway to a 2-lane urban roadway with sidewalks on both sides. The project also included extending Skyline Drive from its current terminus approximately 1,100-ft. to Emma Oaks Trail. The design implemented recommendations identified in a previous study to eliminate roadway flooding, improve traffic flow, and improve safety along the corridor. Services included geometric design to correct the horizontal and vertical alignments to comply with current standards, pavement analyses to determine the strength and integrity of the existing base material, hydraulic modeling for the proposed stormwater management system, utility coordination and permitting through SJRWMD and Seminole County.



Lake Mary Downtown Sanitary Sewer System Expansion - CPH provided design and permitting for a new wastewater collection system which included; submersible duplex pump station, 650 LF of 4" PVC forcemain, approximately 4,850 LF of gravity lines, 19 manholes, and 70 service laterals. The project work involved working within a well-established residential neighborhood within tree lined rights-of-way of the City of Lake Mary. CPH assisted the City in the application to FDEP for a construction permit as well as the application for a right of way permit for Seminole County. CPH prepared record drawings and final project certification.

East Crystal Lake Ave., Wilbur Ave., and Old Lake Mary Rd. Roadway Improvements - CPH provided surveying, engineering, permitting, bidding, and CEI Services for the E. Crystal Ave, Wilbur Ave and Old Lake Mary Rd Roadway Improvements project for the City of Lake Mary. The 0.5 mile project consisted of converting the existing two-lane rural roadway to a two-lane urban roadway with sidewalks, on street parking, utility coordination and design, landscape islands with irrigation system and Stormwater management system improvements including the hydraulic modeling, design and analysis of a master stormwater pond located on the City Police Station Site. The project included permitting through FDEP, SJRWMD and FDOT. Bid phase services included preparing addenda items (responses to questions), review of bids, and review of the low bidder including preparation of the Award Recommendation. Construction services included close coordination between the City, FDOT Sunrail Station construction, and the residential development under construction adjacent to the City's roadway improvements. Construction services also included scheduling and attending preconstruction and progress meetings (including preparation of agendas and meeting notes), shop drawing review, review of schedules, inspection/site visits, responding to Requests for Information (RFIs), payment application review, preparation of change orders, and preparation of closeout documents.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME CPH, Inc.	(2) FIRM LOCATION (City and State) Miami, FL	(3) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 8	
21. TITLE AND LOCATION (City and State) Orlando-Sanford International Airport - Terminal Expansion Sanford, FL		22. YEAR COMPLETED PROFESSIONAL SERVICES 2017	
		CONSTRUCTION (If applicable) Ongoing	
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER Orlando Sanford International Airport		b. POINT OF CONTACT NAME Ms. Diane H. Crews, A.A.E.	
		c. POINT OF CONTACT TELEPHONE NUMBER 407.585.4000	

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Relevant Categories for Consideration: General Civil and Environmental Engineering Services, Land Surveying Services, General Architectural Services, Landscape Architectural Services

As part of our Master Services Agreement with the Sanford Airport Authority, CPH was tasked with the Terminal Expansion project to support the current growth of passenger traffic. The \$60 million expansion includes the terminal departure consolidation from a dual terminal check-in. The improvements also include new consolidated loading and unloading facility, curbside transportation improvements, a covered baggage drop off, apron addition, four new gates, parking lot improvements, terminal building improvements and renovation, as well as transportation improvements that include a new traffic signal and alternate entrances to the parking lots. CPH is providing engineering, surveying, architectural, landscape architectural, and MEP services for this project.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME CPH, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Miami, FL	(3) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 9
21. TITLE AND LOCATION (City and State) Continuing Services Contract - Toho Water Authority Kissimmee, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) Ongoing
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER Toho Water Authority	b. POINT OF CONTACT NAME Edwin Matos, P.E.	c. POINT OF CONTACT TELEPHONE NUMBER 407.944.5024

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

Relevant Categories for Consideration: General Civil and Environmental Engineering Services, Treatment Plant Process Engineering Services, Land Surveying Services, FDOT Roadway Engineering Services

CPH was awarded our first continuing contract with the Toho Water Authority in 2004, since then we have worked on a variety of projects for Toho, which include large diameter water and wastewater transmission mains, lift station and sewer line rehabilitations, and residential water main. Below, we have included some of the projects we have successfully performed for TWA:

Simpson Road 30" Water Main - TWA needed to extend a 30" water main from their Parkway Water Treatment Plant north along Simpson Road to just south of Boggy Creek Road. The water main route had significant crossings of both US Highway 192 and the Florida Turnpike. The route had very limited County right-of-way along portions of Simpson Road, so it required close coordination between TOHO, Osceola County, FDOT/Turnpike Authority and the property owners along the route. This phase of the Project consisted of approximately 5,300 LF of conventionally installed Ductile Iron 30" water main Right of way, 1,080 LF of 30" fusible PVC installed within 1,060 LF of directionally drilled 36" fusible PVC casing pipe across the Florida Turnpike. All work was performed in and along the rights of way of Osceola County and the FDOT. This project was similar to the currently advertised project in that it involved working with multiple roadway jurisdictions, requires crossing of a limited access highway and included large diameter mains with connections to existing active mains.



Martin Luther King Blvd 12-inch Reclaimed Water Main Extension - Toho Water Authority (TWA) desired a new reclaimed water main service for its new Administration facility on Martin Luther King Blvd (MLK) with a new 12-inch service line. The project included two separate segments; the first segment included a connection to TWA's existing 30-inch reclaimed water main (RWM) located on the Kissimmee Airport Property and extended 1,500 l.f. The second phase was 650 l.f. which required a significant open cut of John Young Parkway and work within a congested right of way. The project also included a 110 l.f. of 8-inch HDPE pipe installed by directional bore. CPH designed and permitted the project as well as provided construction observation services and significant coordination services between FDOT, the City of Kissimmee, and a private contractor working in the work zone.

Lift Stations (LS) LS-102 and LS-51 Rehabilitations - The Engineering Services consisted of preliminary and final design, permitting, bidding and construction phase services for LS-102 and LS-51 rehabilitations. The improvements at both locations consisted of the replacement of pump station pumps, bases, rails, discharge piping and valves with no change in capacity or head conditions, lift station control panel and other electrical components and replacement of existing SCADA system with new telemetry units.

Re-rate of the Camelot Water Treatment Plant - CPH provided engineering services for of the re-rating of the Camelot West Water Plant and included design provisions to install two new chlorination points prior to the ground storage tank as described below. CPH prepared all permitting documentation needed to satisfy FDEP requirement for the re-rating.



Poinciana Blvd and US-17/92 Water Main - CPH provided planning, design, permitting, bid services, and full time CEI services for approximately 4.1 miles of 24-inch diameter water main along FDOT and Osceola County rights-of-way. The project had 6-inch to 30-inch HDPE directional drills for a total 3,600 l.f. throughout the project. Additionally, 2-inch to 42-inch jack and bores were designed for a total of 380 l.f. which occurred within FDOT and CSX ROW. CPH collected data from TWA, Osceola County, FDEP, CSX, FDOT, other utility companies, and performed site visits to evaluate existing site conditions that affected the placement of the new lines.

Survey Consulting Services - In conjunction with ongoing utility projects for Toho Water Authority, the team has provided various surveying services for projects that include pipeline replacements/relocations.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME CPH, Inc.	(2) FIRM LOCATION (City and State) Miami, FL	(3) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 10
21. TITLE AND LOCATION (City and State) Continuing Services Contract - Volusia County School Board Volusia County, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) Ongoing
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER Volusia County School Board	b. POINT OF CONTACT NAME Saralee L. Morrissey, AICP	c. POINT OF CONTACT TELEPHONE NUMBER 382.947.8786 Ext. 50772

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

Relevant Categories for Consideration: General Civil and Environmental Engineering Services, Land Surveying Services, General Architectural Services, Landscape Architectural Services, FDOT Roadway Engineering Services

CPH has been providing design and construction services to Volusia County School Board since 1994. Projects have included expansions/renovations, new facilities, water, wastewater, stormwater, roadway, parks, and trails. The team has provided services that include engineering, landscape architecture, architecture, planning, surveying, environmental science, and construction administration. Some of the most recent projects include:

Spirit Elementary ("W") - This new school site is located in the Sterling Park Subdivision in Deltona and borders an old neighborhood. The site outfalls to Lake Sterling and Lake Baton, both of which have experienced recent flooding. For that reason, storm water design and permitting considerations required that we oversize the onsite storm water retention basins to avoid impacting downstream residences. We designed and permitted an offsite storm sewer to Lake Baton as part of the improvements. Access to the site was designed within an access easement as an extension of Meadow Lark Boulevard. The access way was designed and permitted to City standards so that when platting this section is complete, this driveway will be dedicated as a City road. Offsite water and sewer improvements were necessary as well.

Manatee Cove Elementary ("X") - This new school site is located along Blue Springs Road in Orange City. This site also borders an old neighborhood. A major fiber optic cable line transects the northeast quadrant of the site. This site outfalls to an old sinkhole just outside the property so additional soil work was required to document that continued discharge to this sinkhole will not cause adverse impacts. Access to the site is through a parcel which fronts on Blue Spring Avenue and through Ohio Street via Sparkman Avenue. Offsite water and sewer improvements were necessary as well. Water service to the site was provided by designing an offsite water main along Blue Springs Road to 17-92 and then north 1000 ft. to the City's water plant.

Enterprise Elementary Parent's Pick-Up / Drop-Off Loop - The Enterprise Elementary School campus uses a parking lot across the street from the main school campus as the parent pick-up / drop-off facility prior to the construction of this new drive loop. This condition exposes the students to vehicular traffic every time they have to cross the road to get to and from the campus and the parking lot. In an effort to address this safety concern, the Volusia County School Board purchased the adjacent parcel northwest of the school site. CPH was contracted to come up with several design options that were evaluated by the facilities staff and the school officials. A final layout was chosen and design immediately followed. Consideration to preserve as much specimen trees as possible was incorporated into the design. This created a very natural look to the development. As part of our tasks, we assisted the VCSB in securing permits from the Water Management District and Volusia County. Finally, CPH provided Construction Management to insure that the project is in compliance with the plans, stayed true to the intent of the project and kept on time and on budget.

Pierson Elementary Canopy Replacement & Drainage Improvement - CPH was contracted by the Volusia County School Board under our continuing services contract to evaluate the existing school campus as to compliance to current accessibility requirements. Existing access was looked at including the conditions of existing canopy structures. A recommendation was presented to the School Board staff which included realignment of some of the existing sidewalks and replacement of some of the existing canopies. CPH was also tasked to look into standing water and drainage issues within the interior courtyards. Working with the school maintenance staff, most underground installations were mapped out and a new storm drainage collection system was designed. CPH assisted in securing a permit from the VCSB Building Department. In addition, we provided Construction Administration as part services.



Continuing Surveying Services - CPH has been providing surveying services to Volusia County Schools since 2002. The team has provided various surveying services for projects that include: New schools, additions/remodels, stormwater improvements and roadway improvements. The projects identified below have included services such as: boundary and topographic surveys, high definition 3D Laser surveys, establishing limits of construction, basic/advanced field survey work, calculations, document preparation, sketch and descriptions.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME CPH, Inc.	(2) FIRM LOCATION (City and State) Miami, FL	(3) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

26. NAMES OF KEY PERSONNEL (From Section E, Block 12)	27. ROLE IN THIS CONTRACT (From Section E, Block 13)	28. EXAMPLE PROJECTS LISTED IN SECTION F (Fill in "Example Projects Key" section below before completing table. Place "X" under project key number for participation in same or similar role.)									
		1	2	3	4	5	6	7	8	9	10
Todd H. Hendrix, P.E., CGC	Principal-in-Charge / Project Manager	X	X			X					
John A. Baer, AIA, NCARB, LEED AP BD+C, GGP	Principal Architect	X	X	X	X				X		X
Ismail Ilker Uzun, AIA, LEED AP BD+C	Project Architect		X								
Jeff Foster, AIA, NCARB	Project Architect						X				
Bing Liu, AIA	Project Architect	X			X		X		X		
Jose M. Ortiz, MCE, P.E.	Structural Engineer	X	X	X	X	X	X		X	X	X
David J. Melfi, P.E.	M/E/P Engineer	X		X	X		X		X	X	X
Gregory D. Taylor, M.S.E.E., P.E.	M/E/P Engineer (Lighting)	X								X	X
Christopher P. Collins, P.E.	Project Engineer (Site Civil)		X								
Jason L. James, P.E.	Project Engineer (Site Civil)		X								
Jeremiah D. Owens, P.E., CFM	Project Engineer (Drainage/Stormwater)	X		X	X	X		X	X		
Kurt R. Luman, Jr., P.E.	Project Engineer (FDOT Roadway)	X	X	X	X	X	X	X	X	X	
Matthew Cushman, P.E.	Project Engineer (FDOT Roadway)	X		X	X			X	X		X
Sandra L. Gorman, P.E.	Project Engineer (FDOT Roadway)	X					X	X		X	
David E. Mahler, P.E.	Project Engineer (Pipeline/Pump Stations)	X			X	X	X			X	X
Scott A. Breitenstein, P.E.	Project Engineer (Pipeline/Pump Stations)					X	X	X		X	X
James R. Morris, Jr., P.E.	Project Engineer (Pipeline/Pump Stations)	X					X			X	
Mason Gardberg, E.I.	Project Engineer (Pipeline/Pump Stations)	X				X	X			X	
Roberto M. Gonzalez, P.E.	Project Engineer (Treatment Plant Process)	X			X		X	X		X	
Yinhui "Lucida" Xu, Ph.D., P.E.	Project Engineer (Treatment Plant Process)	X			X			X			
Benjamin M. Fries	Project Engineer (Treatment Plant Process)	X			X	X	X	X			
David R. Refling, P.E., BCEE	Project Engineer (Treatment Plant Process)	X			X	X					
Maxwell D. Spann, PLA, CLARB	Landscape Architect	X		X	X		X	X	X	X	
James K. Winter, RLA, CLARB	Landscape Architect	X	X	X	X	X	X	X		X	X
Amy E. Daly, LEED AP	Principal Environmental Scientist	X	X	X	X	X	X	X		X	
Aaron P. Moore, PWS	Senior Scientist	X	X	X	X	X	X	X		X	
Gerald M. Cox, CGC, CUC	Constructability Review / Cost Estimation	X			X	X	X	X	X	X	
Thomas J. Galloway, PSM	Project Surveyor	X	X	X	X	X	X	X	X	X	X
Paul J. Katrek, PSM	Project Surveyor	X		X			X	X	X	X	X
Randall L. Roberts, PSM	Project Surveyor	X	X	X	X	X	X	X	X	X	X
David A. Terwilleger, P.E., CGC	CEI	X		X	X	X	X	X		X	X
Ted V. Jordan	CEI	X					X				
Charlie Turner	CEI	X			X						

29. EXAMPLE PROJECTS KEY

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	Continuing Services Contract - City of Sanford	6	Continuing Services Contract - Orange County
2	Continuing Services Contract - Miami-Dade County	7	Continuing Services Contract - City of Lake Mary
3	Continuing Services Contract - City of DeLand	8	Orlando Sanford International Airport Terminal Expansion
4	Continuing Services Contract - City of Palm Coast	9	Continuing Services Contract - Toho Water Authority
5	Continuing Services Contract - Volusia County	10	Continuing Surveying Services Contract - Volusia County School Board

H. ADDITIONAL INFORMATION

References for Similar Projects Within the Last Five (5) Years:

General Civil and Environmental Engineering Services

1. **US 17/92 Riverwalk, Phase II & III (FDOT LAP)** - City of Sanford, Bilal Iftikhar, P.E., Public Works Director, Phone: 407.688.5000 Ext. 5085, Email: bilal.iftikhar@sanfordfl.gov
2. **Spec Martin Stadium and Earl Brown Park Improvements** - City of DeLand, Keith Riger, P.E., Public Services Director, Phone: 386.626.7196, Email: rigerk@deland.org
3. **Palm Coast WRF No. 2 MBR BNR Improvements** - City of Palm Coast, Richard Adams, Public Works/Utilities Director, Phone: 386.986.2351, Email: radams@palmcoastgov.com
4. **Pump Station 3028, 3202 & 3024 Replacement and Rehabilitation** - Orange County Utilities Department, Charles "Tad" Parker, Phone: 407.254.9729, Email: charles.parker2@ocfl.net
5. **Simpson Road 30" Water Main Extension** - Toho Water Authority, Edwin Matos, P.E., Engineering, Phone: 407.944.5024, Email: ematos@tohowater.org



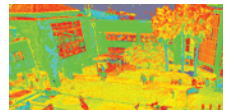
Treatment Plant Process Engineering Services

1. **Sanford's Water Treatment Plant No. 2 - Disinfection By-Product Reduction Improvements** - City of Sanford, Bilal Iftikhar, P.E., Public Works Director, Phone: 407.688.5000 Ext. 5085, Email: bilal.iftikhar@sanfordfl.gov
2. **WRF No. 2 MBR BNR Project** - City of Palm Coast, Richard Adams, Public Works/Utilities Director, Phone: 386.986.2351, Email: radams@palmcoastgov.com
3. **SW Regional WRF Nutrient Reduction and Expansion Project** - Volusia County, Michael Ulrich, Director, Phone: 386.736.5965, Email: mulrich@volusia.org
4. **Treatment System Upgrades for Control of Disinfection By-Products (DBPs)** - City of Haines City, Linda Fisher, Interim Utilities Director, Phone: 863.421.3695, Email: lfisher@hainescity.com
5. **Ponce de Leon WTP Pump Building & Reservoir Replacement** - JEA, Hai Vu, Project Manager, Phone: 904.665.4028, Email: vuhx@jea.com



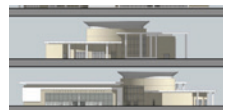
Land Surveying Services

1. **Continuing Surveying Services** - City of Sanford, Bilal Iftikhar, P.E., Public Works Director, Phone: 407.688.5000 Ext. 5085, Email: bilal.iftikhar@sanfordfl.gov
2. **Limits of Site Survey Tamiami Building 227** - Miami-Dade County, Sergio Negriera, CM 3, MDAD Project Manager, Phone: 305.869.3559, Email: snegriera@miami-airport.com
3. **Terminal Expansion** - Orlando-Sanford International Airport, Diane H. Crews, A.A.E., President and CEO, Phone: 407.585.4000, E-Mail: Dcrews@osaa.net
4. **Continuing Surveying Services** - Volusia County School Board, Saralee Morrissey, AICP, Phone: 386.947.8786 Ext. 50772, Email: smorriss@volusia.k12.fl.us
5. **Rehabilitation and Reconfiguration of Lift Station #6** - Toho Water Authority, Edwin Matos, P.E., Engineering, Phone: 407.944.5024, Email: ematos@tohowater.org



General Architectural Services

1. **Sanford Civic Center** - City of Sanford, Jeff Triplett, Mayor, Phone: 407.261.2800, Email: jeff.triplett@sanfordfl.gov
2. **TGK Booking Center** - Miami-Dade County, Alice Arguelles, Construction Manager, Phone: 786.263.6406, Email: aperez@miamidade.gov
3. **Spec Martin Stadium and Earl Brown Park Improvements** - City of DeLand, Keith Riger, P.E., Public Services Director, Phone: 386.626.7196, Email: rigerk@deland.org
4. **Terminal Expansion** - Orlando-Sanford International Airport, Diane H. Crews, A.A.E., President and CEO, Phone: 407.585.4000, E-Mail: Dcrews@osaa.net
5. **Atlantic High School Aquaculture Facility** - Volusia County School Board, Saralee Morrissey, AICP, Phone: 386.947.8786 Ext. 50772, Email: smorriss@volusia.k12.fl.us



Landscape Architecture Services

1. **Historic Goldsboro Boulevard Streetscape** - City of Sanford, Bilal Iftikhar, P.E., Public Works Director, Phone: 407.688.5000 Ext. 5085, Email: bilal.iftikhar@sanfordfl.gov
2. **West Georgia Avenue Streetscape and Landscaping Improvements** - City of DeLand, Keith Riger, P.E., Public Services Director, Phone: 386.626.7196, Email: rigerk@deland.org
3. **Mill Lake Park** - City of Orange City, Benjamin Bartlett, Operations Manager, Phone: 386.775.5450, Email: bbartlett@ourorangecity.com
4. **Zora Neale Hurston Plaza** - DJ Design, Inc., Jim Wachtel, Phone: 386.255.6987, Email: jwachtel@djdesigninc.com
5. **Ilene Lieberman Park** - City of Lauderhill, Herb Johnson, Deputy Director, Phone: 954.730.4230, Email: hjohnson@lauderhill-fl.gov



H. ADDITIONAL INFORMATION (continued)**FDOT Roadway Engineering Services**

1. **Historic Goldsboro Boulevard Streetscape** - City of Sanford, Bilal Iftikhar, P.E., Public Works Director, Phone: 407.688.5000 Ext. 5085, Email: bilal.iftikhar@sanfordfl.gov
2. **West Georgia Avenue Streetscape and Landscaping Improvements** - City of DeLand, Keith Riger, P.E., Public Services Director, Phone: 386.626.7196, Email: rigerk@deland.org
3. **Pine Lakes Parkway** - City of Palm Coast, Richard Adams, Public Works/Utilities Director, Phone: 386.986.2351, Email: radams@palmcoastgov.com
4. **John Anderson Highway Widening** - Flagler County, Faith Alkhatib, P.E., Phone: 386.313.4046, Email: falkhatib@flaglercounty.org
5. **Road Reclamation and Paving Project** - City of Lake Mary, Jackie Sova, City Manager, Phone: 407.585.1419, Email: jsova@lakemaryfl.com

**I. AUTHORIZED REPRESENTATIVE**

The foregoing is a statement of facts.

31. SIGNATURE

32. DATE

07/17/2018

33. NAME AND TITLE

David A. Gierach, P.E., CGC, President

ARCHITECT ENGINEER QUALIFICATIONS

City of Pembroke Pines

1. SOLICITATION NUMBER (If any)
RFQ # PSEN-18-02

PSEN-18-02

PART II - GENERAL QUALIFICATIONS

If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME CPH, Inc.				3. YEAR ESTABLISHED 1981		4. DUNS NUMBER	
2b. STREET 1992 SW 1st Street				5. OWNERSHIP			
2c. CITY Miami		2d. STATE FL		2e. ZIP CODE 33135		a. TYPE Corporation	
6a. POINT OF CONTACT NAME AND TITLE David A. Gierach, P.E., CGC/President				b. SMALL BUSINESS STATUS Yes			
6b. TELEPHONE NUMBER 305.274.4805		6c. E-MAIL ADDRESS info@cphcorp.com		7. NAME OF FIRM (If block 2a is a branch office)			
8a. FORMER FIRM NAME(S) (If any)				8b. YR. ESTABLISHED 1981		8c. DUNS NUMBER 058232349	
9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS			
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)	
		(1) FIRM	(2) BRANCH				
02	Administrative	40	1	C10	Commercial Building; (low rise); Shopping	6	
12	Civil Engineer	53	5	C15	Construction Management	4	
15	Construction Inspection	6	2	C18	Cost Estimating; Cost Engineering and	3	
08	Draftsmen	10		E09	Environmental Impact Studies, Assessments	5	
18	Estimators	4		H07	Highways; Streets; Airfield Paving; Parking	7	
39	Landscape Architects	3		L03	Landscape Architecture	4	
42	Mechanical Engineer	4		O01	Office Building; Industrial Parks	4	
47	Planner	5		P06	Planning (Site, Installation and Project)	7	
52	Sanitary Engineer	3	1	R04	Recreational Facilities (Parks; Marinas; etc.)	3	
57	Structural Engineer	2	1	R06	Rehabilitation (Buildings; Structures;	4	
38	Surveyor	19		S04	Sewage Collection, Treatment & Disposal	8	
60	Transportation Engineer	9		W02	Water Resources; Hydrology; Ground Water	6	
23	Environmental Engineer	13		W03	Water Supply; Treatment and Distribution	6	
08	Engineering/CADD Techs	15	4	L02	Land Surveying	6	
12	Engineering Interns	19	2				
02	Network Admin	6					
08	Technical Assistants	19					
24	Environmental Scientists	5					
06	Architects	5	1				
	Other Employees	0					
Total		240	17				
11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER					
a. Federal Work	1	1. Less than \$100,000.					
b. Non-Federal Work	10	2. \$100,000 to less than \$250,000					
c. Total Work	10	3. \$250,000 to less than \$500,000					
		4. \$500,000 to less than \$1 million					
		5. \$1 million to less than \$2 million					
		6. \$2 million to less than \$5 million					
		7. \$5 million to less than \$10 million					
		8. \$10 million to less than \$25 million					
		9. \$25 million to less than \$50 million					
		10. \$50 million or greater					

I. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

31. SIGNATURE




32. DATE

07/17/2018

33. NAME AND TITLE

David A. Gierach, P.E., CGC, President

ARCHITECT-ENGINEER QUALIFICATIONS				1. SOLICITATION NUMBER (If any) PSEN-18-02		
PART II - GENERAL QUALIFICATIONS						
<i>(If a firm has branch offices, complete for each specific branch office seeking work.)</i>						
2a. FIRM (OR BRANCH OFFICE) NAME Bailey Engineering Consultants, Inc.				3. YEAR ESTABLISHED 1992	4. DUNS NUMBER	
2b. STREET 10620 Griffin Road, Suite 202				5. OWNERSHIP		
2c. CITY Cooper City		2d. STATE FL	2e. ZIP 33328	a. TYPE S-Corporation		
6a. POINT OF CONTACT NAME AND TITLE Stephen E. Bailey, P.E. / President				b. SMALL BUSINESS STATUS		
6b. TELEPHONE NUMBER 954-448-7930		6c. E-MAIL ADDRESS sbailey@baileyengineering.com		7. NAME OF FIRM (If block 2a is a branch office)		
8a. FORMER FIRM NAME(S)				8b. YR. ESTABLISHED	8c. DUNS NUMBER	
n/a				n/a	n/a	
9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	2	0	C11	Community Facilities	1
08	CADD Technician	2	0	F03	Fire Protection	1
21	Electrical Engineer	2	0	H07	Highways, Streets, Parking Lots	1
16	Field Supervisor	1	0	L06	Lighting - Exteriors, Streets,	2
				P12	Power Generation, Transmission Dist	3
				W03	Water Supply, Treatment & Dist	3
Total		7				
11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS <i>(Insert revenue index number shown at right)</i>		PROFESSIONAL SERVICES REVENUE INDEX NUMBER				
a. Federal Work	1	1. Less than \$100,000. 2. \$100,000 to less than \$250,000 3. \$250,000 to less than \$500,000 4. \$500,000 to less than \$1 million 5. \$1 million to less than \$2 million 6. \$2 million to less than \$5 million 7. \$5 million to less than \$10 million 8. \$10 million to less than \$25 million 9. \$25 million to less than \$50 million 10. \$50 million or greater				
b. Non-Federal Work	4					
c. Total	4					
12. AUTHORIZED REPRESENTATIVE						
The foregoing is a statement of facts.						
a. SIGNATURE 				b. DATE 07/17/2018		
c. NAME AND TITLE Stephen E. Bailey, P.E., President						

1. SOLICITATION NUMBER (If any)

(If a firm has branch offices, complete for each specific branch office seeking work.)

The foregoing is a statement of facts.

STANDARD FORM 330 (REV. 8/2016) PAGE 6

RFQ # PSEN-18-02

(If a firm has branch offices, complete for each specific branch office seeking work.)

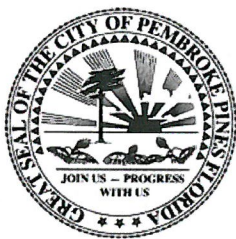
CERTIFIED MINORITY BUSINESS ENTERPRISE

CPH is committed to meeting or exceeding the M/WBE participation goals for this project. CPH has established working relationships with many minority firms in the area.

Commitment To Diversity Among The Firm

CPH has a culturally and ethnically diverse workplace from its owners to employees. CPH employs a workforce that is reflective of many nationalities and cultures. We have established programs and policies for recruiting and retaining minority and women engineers and staff, and strongly encourage all of our employees to become involved in our communities. It is the policy of CPH to provide equal employment opportunity at all times in all actions related to employment without regard to race, color, religion, gender, citizenship status, age, national origin, disability, veteran status, sexual orientation, or any other status protected by state or federal law. This policy applies to recruiting, hiring, training, promotion, evaluation, termination, compensation, benefits eligibility, working conditions and all other aspects of employment. The Firm supports a policy of actively recruiting and retaining a diverse workforce to support both our Equal Employment Opportunity Policy and our business objective to provide the highest quality service possible. CPH is committed to fostering an inclusive atmosphere that seeks actively to employ people of diverse backgrounds at all levels of the Company including top management and ownership.



(OFFICE USE ONLY) Vendor number:

Please entirely complete this vendor information form along with the IRS Form W-9, and email to accounts payable@ppines.com

City of Pembroke Pines
Finance Department
601 City Center Way
Pembroke Pines, FL 33025

Vendor Information Form

Operating Name (Payee)	CPH, Inc.		
Legal Name (as filed with IRS)	CPH, Inc.		
Remit-to Address (For Payments)	500 W. Fulton Street		
	Sanford, FL 32771		
Remit-to Contact Name:	Nancy Stubbs	Title:	Controller
Email Address:	nstubbs@cphcorp.com		
Phone #:	407.322.6841	Fax #	407.330.0639
Order-from Address (For purchase orders)	1992 SW 1st Street		
	Miami, FL 33135		
Order-from Contact Name:	Todd H. Hendrix, P.E., CGC	Title:	Sr. Vice President / Associate
Email Address:	info@cphcorp.com		
Phone #:	305.274.4805	Fax #	305.274.4807
Return-to Address (For product returns)	1992 SW 1st Street		
	Miami, FL 33135		
Return-to Contact Name	Todd H. Hendrix, P.E., CGC	Title:	Sr. Vice President / Associate
Email Address:	info@cphcorp.com		
Phone #:	305.274.4805	Fax #	305.274.4807
Payment Terms:	Net 30		

Type of Business (please check one and provide Federal Tax identification or social security Number)

☒ Corporation

Federal ID Number: 59-2068806

☐ Sole Proprietorship/Individual

Social Security No.:

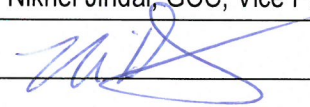
☐ Partnership

☐ Health Care Service Provider

☐ LLC – C (C corporation) – S (S corporation) – P (partnership)

☐ Other (Specify):

Name & Title of Applicant Nikhel Jindal, GCC, Vice President / Associate

Signature of Applicant 

Date 07/18/2018

Form **W-9**
(Rev. November 2017)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

► Go to www.irs.gov/FormW9 for instructions and the latest information.

**Give Form to the
requester. Do not
send to the IRS.**

Print or type.
See Specific Instructions on page 3.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. CPH, Inc.	
2 Business name/disregarded entity name, if different from above	
3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes. <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ► _____ Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner. <input type="checkbox"/> Other (see instructions) ► _____	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____ <small>(Applies to accounts maintained outside the U.S.)</small>
5 Address (number, street, and apt. or suite no.) See instructions. 500 W. Fulton Street	Requester's name and address (optional)
6 City, state, and ZIP code Sanford, FL 32771	
7 List account number(s) here (optional)	

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number									
			-				-		
or									
Employer identification number									
5	9	-	2	0	6	8	8	0	6

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

**Sign
Here**

Signature of
U.S. person ►



Date ► 07/23/2018

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.



City of Pembroke Pines

Attachment C

NON-COLLUSIVE AFFIDAVIT

BIDDER is the ,
(Owner, Partner, Officer, Representative or Agent)

BIDDER is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances respecting such Bid;

Such Bid is genuine and is not a collusive or sham Bid;

Neither the said BIDDER nor any of its officers, partners, owners, agents, representative, employees or parties in interest, including this affidavit, have in any way colluded, conspired, connived or agreed, directly or indirectly, with any other BIDDER, firm or person to submit a collusive or sham Bid in connection with the Contract for which the attached Bid has been submitted; or to refrain from bidding in connection with such Contract; or have in any manner, directly or indirectly, sought by agreement or collusion, or communications, or conference with any BIDDER, firm, or person to fix the price or prices in the attached Bid or any other BIDDER, or to fix any overhead, profit, or cost element of the Bid Price or the Bid Price of any other BIDDER, or to secure through any collusion conspiracy, connivance, or unlawful agreement any advantage against (Recipient), or any person interested in the proposed Contract;

The price of items quoted in the attached Bid are fair and proper and are not tainted by collusion, conspiracy, connivance, or unlawful agreement on the part of the BIDDER or any other of its agents, representatives, owners, employees or parties in interest, including this affidavit.

Printed Name/Signature 

Title

Name of Company

7/18/2018



City of Pembroke Pines

Attachment D

**SWORN STATEMENT
ON PUBLIC ENTITY CRIMES
UNDER FLORIDA STATUTES CHAPTER 287.133(3)(a).**

1. This sworn statement is submitted (name of entity submitting sworn statement) whose business address is and (if applicable) its Federal Employer Identification Number (FEIN) is . (If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement: .)

2. My name is and my
(Please print name of individual signing)
relationship to the entity named above is .

3. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any bid, proposal, reply, or contract for goods or services, any lease for real property, or any contract for the construction or repair of a public building or public work, involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.

4. I understand that a "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

5. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means:
 1. A predecessor or successor of a person convicted of a public entity crime: or
 2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The Cityship by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has

7/18/2018

been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

6. I understand that a "person" as defined in Paragraph 287.133(1)(e), Florida Statutes, means any natural person or any entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts let by a public entity, or which otherwise transacts or applies to transact business with a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.

7. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. **(Please indicate which statement applies.)**

☒ A) Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.

☐ B) The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989, AND **(Please indicate which additional statement applies.)**

☐ B1) There has been a proceeding concerning the conviction before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer did not place the person or affiliate on the convicted vendor list. **(Please attach a copy of the final order.)**

☐ B2) The person or affiliate was placed on the convicted vendor list. There has been a subsequent proceeding before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer determined that it was in the public interest to remove the person or affiliate from the convicted vendor list. **(Please attach a copy of the final order.)**

☐ B3) The person or affiliate has not been placed on the convicted vendor list. **(Please describe any action taken by or pending with the Department of General Services.)**

Nikhel Jindal, GCC

Bidder's Name/Signature

CPH, Inc.

Company

07/18/2018

Date

7/18/2018

CONTACT INFORMATION FORM

IN ACCORDANCE WITH "RFQ # PSEN-18-02" titled "Professional Service Providers (Architectural, Engineering, Surveying & Mapping)" attached hereto as a part hereof, the undersigned submits the following:

A) Contact Information

The Contact information form shall be electronically signed by one duly authorized to do so, and in case signed by a deputy or subordinate, the principal's properly written authority to such deputy or subordinate must accompany the proposal. This form must be completed and submitted through www.bidsync.com as part of the bidder's submittal.

COMPANY INFORMATION:

COMPANY: CPH, Inc.

STREET ADDRESS: 1992 SW 1st Street

CITY, STATE & ZIP CODE: Miami, FL 33135

PRIMARY CONTACT FOR THE PROJECT:

NAME: Todd Hendrix, P.E., CGC TITLE: Sr. Vice President / Associate

E-MAIL: info@cphcorp.com

TELEPHONE: 305.274.4805 FAX: 305.274.4807

CORPORATE OFFICER AUTHORIZED APPROVER:

NAME: Nikhel Jindal, GCC TITLE: Vice President / Associate

E-MAIL: info@cphcorp.com

TELEPHONE: 305.274.4805 FAX: 305.274.4807

SIGNATURE: 

7/18/2018

PROFESSIONAL SERVICES FORM

Please check the boxes shown below that your company wants to be considered for:

<input checked="" type="checkbox"/>	General Civil and Environmental Engineering Services
<input checked="" type="checkbox"/>	Treatment Plant Process Engineering Services
<input type="checkbox"/>	Electrical Engineering Services
<input type="checkbox"/>	Geotechnical Services
<input type="checkbox"/>	Structural Engineering Services
<input checked="" type="checkbox"/>	Land Surveying Services
<input checked="" type="checkbox"/>	General Architectural Services
<input checked="" type="checkbox"/>	Landscape Architecture Services
<input type="checkbox"/>	Hydro-Geological Services
<input checked="" type="checkbox"/>	FDOT Roadway Engineering Services

7/18/2018



City of Pembroke Pines

Attachment G

EQUAL BENEFITS CERTIFICATION FORM FOR DOMESTIC PARTNERS AND ALL MARRIED COUPLES

Except where federal or state law mandates to the contrary, a Contractor awarded a Contract pursuant to a competitive solicitation shall provide benefits to Domestic Partners and spouses of its employees, irrespective of gender, on the same basis as it provides benefits to employees' spouses in traditional marriages.

The Contractor shall provide the City and/or the City Manager or his/her designee, access to its records for the purpose of audits and/or investigations to ascertain compliance with the provisions of this section, and upon request shall provide evidence that the Contractor is in compliance with the provisions of this section upon each new bid, contract renewal, or when the City Manager has received a complaint or has reason to believe the Contractor may not be in compliance with the provisions of this section. Records shall include but not be limited to providing the City and/or the City Manager or his/her designee with certified copies of the Contractor's records pertaining to its benefits policies and its employment policies and practices.

The Contractor must conspicuously make available to all employees and applicants for employment the following statement:

“During the performance of a contract with the City of Pembroke Pines, Florida, the Contractor will provide Equal Benefits to its employees with spouses, as defined by Section 35.39 of the City’s Code of Ordinances, and its employees with Domestic Partners and all Married Couples”.

The posted statement must also include a City contact telephone number and email address which will be provided to each contractor when a covered contract is executed.

SECTION 1 DEFINITIONS

1. **Benefits** means the following plan, program or policy provided or offered by a contractor to its employees as part of the employer's total compensation package which may include but is not limited to sick leave, bereavement leave, family medical leave, and health benefits.
2. **Cash Equivalent** mean the amount of money paid to an employee with a domestic partner or spouse in lieu of providing benefits to the employee's domestic partner or spouse. The cash equivalent is equal to the employer's direct expense of providing benefits to an employee for his or her spouse from a traditional marriage.
3. **Covered Contract** means a contract between the City and a contractor awarded subsequent to the date when this section becomes effective valued at over \$25,000 or the threshold amount required for competitive bids as required in section 35.18(A) of the Procurement Code.
4. **Domestic Partner** shall mean any two (2) adults of the same or different sex who have registered as domestic partners with a governmental body pursuant to state or local law authorizing such registration, or with an internal registry maintained by the employer of at least one of the domestic partners. A contractor may institute an internal registry to allow for the provision of equal benefits to employees with domestic partners who do not register their partnerships pursuant to a governmental body authorizing such registration, or who are

7/18/2018

located in a jurisdiction where no such governmental domestic partnership registry exists. A contractor that institutes such registry shall not impose criteria for registration that are more stringent than those required for domestic partnership registration by the City of Pembroke Pines.

5. **Equal benefits** means the equality of benefits between employees with spouses and/or dependents of spouses and employees with domestic partners and/or dependents of domestic partners, and/or between spouses of employees and/or dependents of spouses and domestic partners of employees and/or dependents of domestic partners.
6. **Spouse** means one member of a married pair legally married under the laws of any state within the United States of America or any other jurisdiction under which such marriage is legally recognized, irrespective of gender.
7. **Traditional marriage** means a marriage between one man and one woman.

SECTION 2 CERTIFICATION OF CONTRACTOR

The firm providing a response, by virtue of the signature below, certifies that it is aware of the requirements of Section 35.39 "City Contractors providing Equal Benefits for Domestic Partners and all Married Couples" of the City's Code of Ordinances, and certifies the following (**Check only one box below**):

- ☒ **A.** Contractor currently complies with the requirements of this section; or
- ☐ **B.** Contractor will comply with the conditions of this section at the time of contract award; or
- ☐ **C.** Contractor will not comply with the conditions of this section at the time of contract award; or
- ☐ **D.** Contractor does not comply with the conditions of this section because of the following allowable exemption (**Check only one box below**):
 - ☐ **1.** The Contractor does not provide benefits to employees' spouses in traditional marriages;
 - ☐ **2.** The Contractor provides an employee the cash equivalent of benefits because the Contractor is unable to provide benefits to employees' Domestic Partners or spouses despite making reasonable efforts to provide them. To meet this exception, the Contractor shall provide a notarized affidavit that it has made reasonable efforts to provide such benefits. The affidavit shall state the efforts taken to provide such benefits and the amount of the cash equivalent. Cash equivalent means the amount of money paid to an employee with a Domestic Partner or spouse rather than providing benefits to the employee's Domestic Partner or spouse. The cash equivalent is equal to the employer's direct expense of providing benefits to an employee's spouse;
 - ☐ **3.** The Contractor is a religious organization, association, society, or any non-profit charitable or educational institution or organization operated supervised or controlled by or in conjunction with a religious organization, association, or society;
 - ☐ **4.** The Contractor is a governmental agency;

The certification shall be signed by an authorized officer of the Contractor. Failure to provide such certification (by checking the appropriate boxes above along with completing the information below) shall result in a Contractor being deemed non-responsive.

COMPANY NAME:

7/18/2018

AUTHORIZED OFFICER NAME / SIGNATURE: Nikhel Jindal, GCC



**VENDOR DRUG-FREE WORKPLACE CERTIFICATION FORM****SECTION 1 GENERAL TERM**

Preference may be given to vendors submitting a certification with their bid/proposal certifying they have a drug-free workplace in accordance with Section 287.087, Florida Statutes. This requirement affects all public entities of the State and becomes effective January 1, 1991. The special condition is as follows:

IDENTICAL TIE BIDS - Preference may be given to businesses with drug-free workplace programs. Whenever two or more bids that are equal with respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drugfree workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after each conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

SECTION 2 AFFIRMATION

☒ Place a check mark here only if affirming bidder **complies fully** with the above requirements for a Drug-Free Workplace.

☐ Place a check mark here only if affirming bidder **does not** meet the requirements for a Drug-Free Workplace.

Failure to complete this certification at this time (by checking either of the boxes above) shall render the vendor ineligible for Drug-Free Workplace Preference. This form must be completed by/for the proposer; the proposer WILL NOT qualify for Drug-Free Workplace Preference based on their sub-contractors' qualifications.


Authorized Signature

Nikhel Jindal, GCC
Authorized Signer Name

CPH, Inc.
Company Name

**PROPOSER'S QUALIFICATIONS STATEMENT**

PROPOSER shall furnish the following information. Failure to comply with this requirement will render Bid non-responsive and shall cause its rejection. Additional sheets shall be attached as required.

PROPOSER'S Name and Principal Address:

CPH, Inc.

1992 SW 1st Street

Miami, FL 33135

Contact Person's Name and Title: Todd H. Hendrix, P.E., CGC, Sr. Vice President / Associate

Contact Person's E-mail Address: info@cphcorp.com

PROPOSER'S Telephone and Fax Number: 305.274.4805; 305.274.4807

PROPOSER'S License Number: CA3215

(Please attach certificate of status, competency, and/or state registration.)

PROPOSER'S Federal Identification Number: 59-2068806

Number of years your organization has been in business 37+ years

State the number of years your firm has been in business under your present business name 5

State the number of years your firm has been in business in the work specific to this solicitation:
37+ years

Names and titles of all officers, partners or individuals doing business under trade name:

Please see attached Sunbiz registration

The business is a: Sole Proprietorship ☐ Partnership ☐ Corporation ☒

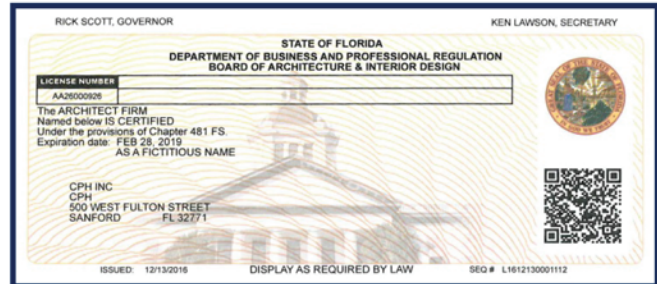
IF USING A FICTITIOUS NAME, SUBMIT EVIDENCE OF COMPLIANCE WITH FLORIDA FICTITIOUS NAME STATUTE. (ATTACH IN PROPOSER EXHIBIT SECTION)

CPH BUSINESS LICENSES AND CORPORATE REGISTRATION

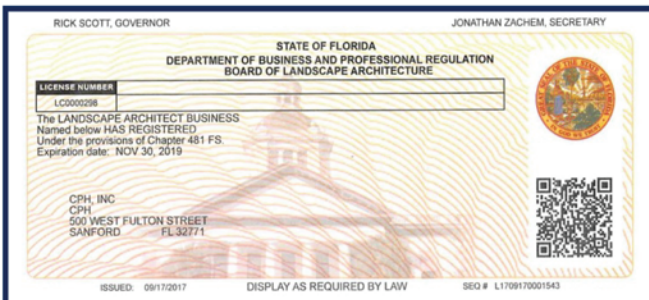
PROFESSIONAL ENGINEERS



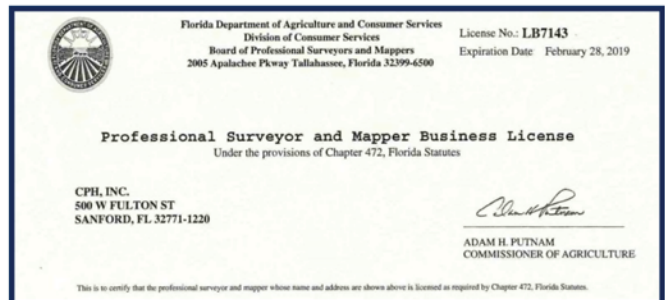
ARCHITECTURE



LANDSCAPE ARCHITECTS



SURVEYORS AND MAPPERS



State of Florida Department of State

I certify from the records of this office that CPH, INC. is a corporation organized under the laws of the State of Florida, filed on March 6, 1981.

The document number of this corporation is F22258.

I further certify that said corporation has paid all fees due this office through December 31, 2018, that its most recent annual report/uniform business report was filed on January 2, 2018, and that its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Second day of January, 2018*



Ken Putnam
Secretary of State

Tracking Number: CC5138362264

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

<https://services.sunbiz.org/Files/CertificateOfStatus/CertificateAuthentication>



[Department of State](#) / [Division of Corporations](#) / [Search Records](#) / [Detail By Document Number](#) /

Detail by Entity Name

Florida Profit Corporation
CPH, INC.

Filing Information

Document Number	F22258
FEI/EIN Number	59-2068806
Date Filed	03/06/1981
State	FL
Status	ACTIVE
Last Event	NAME CHANGE AMENDMENT
Event Date Filed	02/21/2013
Event Effective Date	NONE

Principal Address

500 W. FULTON ST.
SANFORD, FL 32771-1220

Changed: 05/01/1994

Mailing Address

500 West Fulton Street
SANFORD, FL 32771

Changed: 01/03/2014

Registered Agent Name & Address

GIERACH, DAVID A
500 WEST FULTON STREET
SANFORD, FL 32771

Name Changed: 02/21/2000

Address Changed: 11/05/2007

Officer/Director Detail

Name & Address

Title President, Director, Treasurer

Gierach, David A
500 West Fulton Street
SANFORD, FL 32771

Title CEO, Director, Treasurer

Khosravani, Kamran
500 West Fulton Street
SANFORD, FL 32771

Title VP, Director

Sutch, Peter-John
500 West Fulton Street
SANFORD, FL 32771

Title VP, Director

Satfield, Jeffrey M
500 West Fulton Street
SANFORD, FL 32771

Title VP

Markovitz, J. Brett
500 West Fulton Street
SANFORD, FL 32771

Title VP, Director

Sanchez, Carlos
500 West Fulton Street
SANFORD, FL 32771

Title VP

Galloway, Thomas J
500 West Fulton Street
SANFORD, FL 32771

Title VP, Director

Mahler, David E
500 West Fulton Street
SANFORD, FL 32771

Title VP

Olszewski, Wade P
500 West Fulton Street
SANFORD, FL 32771

Title VP, Director

Hendrix, Todd H

500 West Fulton Street
SANFORD, FL 32771

Title VP

Winter, James K
500 West Fulton Street
SANFORD, FL 32771

Title VP

Daly, Amy E
500 West Fulton Street
SANFORD, FL 32771

Title VP

Roberts, Randall L
500 West Fulton Street
SANFORD, FL 32771

Title VP

Toole, Jason L
500 West Fulton Street
SANFORD, FL 32771

Title VP

Baer, John A
500 West Fulton Street
SANFORD, FL 32771

Title VP

Luman, Kurt R
500 West Fulton Street
SANFORD, FL 32771

Title VP

Bryant, Joshua A
500 West Fulton Street
SANFORD, FL 32771

Title VP

Melfi, David J
500 West Fulton Street
SANFORD, FL 32771

Title Secretary

Hunt, Patricia L
500 West Fulton Street
SANFORD, FL 32771

Title VP

Moyer, Daniel P.
500 W. FULTON ST.
SANFORD, FL 32771-1220

Annual Reports

Report Year	Filed Date
2016	01/04/2016
2017	01/03/2017
2018	01/02/2018

Document Images

01/02/2018 -- ANNUAL REPORT	View image in PDF format
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01/04/2016 -- ANNUAL REPORT	View image in PDF format
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08/08/2014 -- AMENDED ANNUAL REPORT	View image in PDF format
01/03/2014 -- ANNUAL REPORT	View image in PDF format
02/21/2013 -- Name Change	View image in PDF format
01/02/2013 -- ANNUAL REPORT	View image in PDF format
12/11/2012 -- Amendment	View image in PDF format
01/03/2012 -- ANNUAL REPORT	View image in PDF format
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01/16/2009 -- ANNUAL REPORT	View image in PDF format
06/04/2008 -- ANNUAL REPORT	View image in PDF format
01/22/2008 -- ANNUAL REPORT	View image in PDF format
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02/21/2000 -- ANNUAL REPORT	View image in PDF format
04/23/1999 -- ANNUAL REPORT	View image in PDF format
10/26/1998 -- Name Change	View image in PDF format
04/03/1998 -- ANNUAL REPORT	View image in PDF format
04/09/1997 -- ANNUAL REPORT	View image in PDF format

[02/25/1997 -- RESTATED ARTICLES](#)[View image in PDF format](#)[04/03/1996 -- ANNUAL REPORT](#)[View image in PDF format](#)[03/31/1995 -- ANNUAL REPORT](#)[View image in PDF format](#)

Florida Department of State, Division of Corporations



Under what former name has your business operated? Include a description of the business. Failure to include such information shall be deemed to be intentional misrepresentation by the City and shall render the proposer RFP submittals non-responsive.

CPH, Inc. (2013 - Current)

CPH Engineers, Inc. (1998 - 2013)

Conklin, Porter, & Holmes (1981 - 1998)

At what address was that business located?

1992 SW 1st Street, Miami, FL 33135

Name, address, and telephone number of surety company and agent who will provide the required bonds on this contract:

Not applicable. (CPH is not a construction contractor)

Have you ever failed to complete work awarded to you. If so, when, where and why?

No.

Have you personally inspected the proposed WORK and do you have a complete plan for its performance?

Not applicable.



Will you subcontract any part of this WORK? If so, give details including a list of each subcontractor(s) that will perform work in excess of ten percent (10%) of the contract amount and the work that will be performed by each subcontractor(s).

Geotechnical Services will be subcontracted to Universal Engineering Sciences, Inc., Contract % TBD

The foregoing list of subcontractor(s) may not be amended after award of the contract without the prior written approval of the Contract Administrator, whose approval shall not be reasonably withheld.

List and describe all bankruptcy petitions (voluntary or involuntary) which have been filed by or against the Proposer, its parent or subsidiaries or predecessor organizations during the past five (5) years. Include in the description the disposition of each such petition.

CPH has been in successful operation for over 37 years and has never had any license sanctions,
bankruptcies, or major litigation.

List and describe all successful Bond claims made to your surety (ies) during the last five (5) years. The list and descriptions should include claims against the bond of the Proposer and its predecessor organization(s).

Not applicable. (CPH is not a construction contractor)

List all claims, arbitrations, administrative hearings and lawsuits brought by or against the Proposer or its predecessor organizations(s) during the last (10) years. The list shall include all case names; case, arbitration or hearing identification numbers; the name of the project over which the dispute arose; and a description of the subject matter of the dispute.

Please see attached litigation statement.

Litigation Statement

The following case is still in process:

City of Fernandina Beach vs. CPH Engineers, Inc. et al Case No. 2014-CA-343 Division: CA; Policy No. RDP0018939

Origination Date – December 2014

The City of Fernandina Beach filed suit in relation to a subdivision which had two streets having groundwater flowing over the curb and draining into the street for a distance of about fifty yards on each street. The subdivision was designed by another engineer and CPH assisted the developer during construction. The project was built eight years ago and only recently has the problem occurred. CPH is investigating the matter and it appears a new pond was built in the area and the outfall of the storm system is not functioning correctly. We are working with the City to resolve the issue; however, CPH was not the original Design Engineer nor did this issue occur until many years after project completion; therefore, CPH does not feel that we are liable on either of these counts and the City has agreed and a release is being prepared.

The following cases have all been settled:

Oceanside at Beverly Beach Condominium Association, Inc. vs. CPH Engineers, Inc. et al Case No. 2012-CA-001020 WEMED No. 08662-02316; Policy No. USS 10 20263

Origination Date - August 2010

Settlement Date - September 2013

CPH Engineers, Inc. was named as one of twenty defendants in a suit by Oceanside at Beverly Beach Condominium Association, Inc. The Developers went into bankruptcy and the project was never completed. The Developers owed in excess of \$1 million to the General Contractor, subcontractors, and consultants including CPH Engineers, Inc. The suit is for damages in excess of \$1,005,000. All damages claimed are related to the lack of maintenance for an ocean front condominium or punch list items not completed due to lack of payment to all Defendants. In order to avoid defense costs and in order to obtain a future full indemnity, this case was settled in September 2013 and CPH paid \$45,000 as part of an overall settlement. In addition, the Condominium Association has agreed to indemnify CPH from any future claims from any parties.

Posen Construction Inc. vs. Lee County, CPH, et al. – Liberty File No. AESPC002759

Origination Date - November 2011

Settlement Date - May 2013

CPH was one of the parties being sued by Posen Construction, Inc. for negligence. CPH provided the utility relocation design plans for Lee County along Summerlin Road between Cypress Lake Drive and Boy Scout Road. The plans were developed using the survey and roadway design plans provided by Lee County. CPH used this information to determine utility conflict information and, in coordination with Lee County Utilities, design new facilities that were not in conflict with the proposed roadway improvements. As part of the installation of the new facilities, the existing pipelines were to be either abandoned in place or removed as called out on the design plans. Posen's assertion of negligence is hinged on encountering asbestos cement pipe. CPH was not responsible for any survey or field investigation to verify piping materials. This information was provided to CPH by the County. According to the Plans and Specifications, the Contractor, Posen, was responsible for the verification of the pipe and notification of any issues to the County. Accordingly, CPH filed to have the suit dismissed based on this fact. This case was dismissed in May 2013.

Par Builders, Inc. vs. CPH Engineers, Inc. - RA&MCO File No. 090157***Origination Date - December 2008******Settlement Date - January 2012***

CPH is being sued by PAR Builders, Inc. for contractual performance. CPH does not have an agreement with this company. Our contract for engineering was made with Hector Rivera of Edifica. Neither Hector Rivera nor Edifica are named in the law suit. PAR is alleging that CPH indicated that the permit process would take 6 months and that CPH delayed their project by not securing permits in a timely fashion. CPH's contract makes no representation to a schedule for obtaining permits, nor can CPH be responsible for the actions of the governmental agencies when the agencies themselves do not have timeline by which permits are to be issued. In addition, PAR alleges that CPH did not use correct building foot print to develop the site plan, grading plan, etc. Hector Rivera or Edifica provided CPH the building footprint to use as a basis for our design. Allegations were also made regarding the survey and CPH's contract states that the survey is to be provided by the Owner. Our position is that PAR needs to direct any issues related to the survey to Javier Bidot who was the Surveyor hired by the Owner. In order to avoid additional litigation costs in Puerto Rico as a US based company, our insurance company determined it would be best to settle the case and the amount of settlement was \$550,000. This case was settled in January 2012.

Rivera v. CPH, et.al. B&A File No. 287-023 (WAL-MART) Case No. 10CA3325AN***Origination Date - May 2010******Settlement Date - June 2011***

CPH was sued by Sasha D. Rivera for defects in the design of a parking lot and intersection at a Wal-Mart store located in Osceola County. The plaintiff alleges that a stop sign obstructed by a tree was the cause of a car accident in which her mother was a passenger and who died due to injuries sustained in the accident. The driver of the vehicle was convicted of vehicular homicide due to the fact that she was operating the vehicle while intoxicated and under the influence from snorting computer aerosol spray. The design of the parking lot is not the proximate cause of the accident; therefore, CPH had no liability. This case was settled for \$10,000 to avoid the cost of litigation.



List and describe all criminal proceedings or hearings concerning business related offenses in which the Proposer, its principals or officers or predecessor organization(s) were defendants.

Not applicable.

Has the Proposer, its principals, officers or predecessor organization(s) been CONVICTED OF A Public Entity Crime, debarred or suspended from bidding by any government entity? If so, provide details.

No.

Are you an ☒ Original provider ☐ sales representative ☐ distributor, ☐ broker, ☐ manufacturer ☐ other, of the commodities/services proposed upon? If other than the original provider, explain below.

Have you ever been debarred or suspended from doing business with any governmental agency? If yes, please explain:

No.



Describe the firm's local experience/nature of service with contracts of similar size and complexity, in the previous three (3) years:

CPH has provided design services for the following similar contracts locally in the last 3 years:

Islamorada Village-Wide Wastewater System Design, Build, Operate

Miami Shores Village Low Pressure System (LPSS) and Water Main Improvements

The PROPOSER acknowledges and understands that the information contained in response to this Qualification Statement shall be relied upon by CITY in awarding the contract and such information is warranted by PROPOSER to be true. The discovery of any omission or misstatement that materially affects the PROPOSER'S qualifications to perform under the contract shall cause the CITY to reject the Bid, and if after the award, to cancel and terminate the award and/or contract.

CPH, Inc.
(Company Name)

Nikhel Jindal, GCC

(Printed Name/Signature)

Supplier Response Form



City of Pembroke Pines

Attachment L

**SCRUTINIZED COMPANY CERTIFICATION
PURSUANT TO FLORIDA STATUTE § 287.135**

I, Nikhel Jindal, GCC, Vice President , on behalf of CPH, Inc.

Print Name and Title **Company Name**

certify that CPH, Inc.

Company Name

1. Does not participate in a boycott of Israel; and
2. Is not on the Scrutinized Companies that Boycott Israel list; and
3. Is not on the Scrutinized Companies with Activities in Sudan List; and
4. Is not on the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List; and
5. Has not engaged in business operations in Syria.

Submitting a false certification shall be deemed a material breach of contract. The City shall provide notice, in writing, to the Contractor of the City's determination concerning the false certification. The Contractor shall have ninety (90) days following receipt of the notice to respond in writing and demonstrate that the determination of false certification was made in error. If the Contractor does not demonstrate that the City's determination of false certification was made in error then the City shall have the right to terminate the contract and seek civil remedies pursuant to Florida Statute § 287.135.

Section 287.135, Florida Statutes, prohibits the City from: 1) Contracting with companies for goods or services in any amount if at the time of bidding on, submitting a proposal for, or entering into or renewing a contract if the company is on the Scrutinized Companies that Boycott Israel List, created pursuant to Section 215.4725, F.S. or is engaged in a boycott of Israel; and 2) Contracting with companies, for goods or services over \$1,000,000.00 that are on either the Scrutinized Companies with activities in the Iran Petroleum Energy Sector list, created pursuant to s. 215.473, or are engaged in business operations in Syria.

As the person authorized to sign on behalf of the Contractor, I hereby certify that the company identified above in the section entitled "Contractor Name" does not participate in any boycott of Israel, is not listed on the Scrutinized Companies that Boycott Israel List, is not listed on either the Scrutinized Companies with activities in the Iran Petroleum Energy Sector List, and is not engaged in business operations in Syria. I understand that pursuant to section 287.135, Florida Statutes, the submission of a false certification may subject the company to civil penalties, attorney's fees, and/or costs. I further understand that any contract with the City for goods or services may be terminated at the option of the City if the company is found to have submitted a false certification or has been placed on the Scrutinized Companies with Activities in Sudan list or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List.

CPH, Inc.
Company Name

Nikhel Jindal, GCC
Print Name / Signature

Vice President / Associate
Title

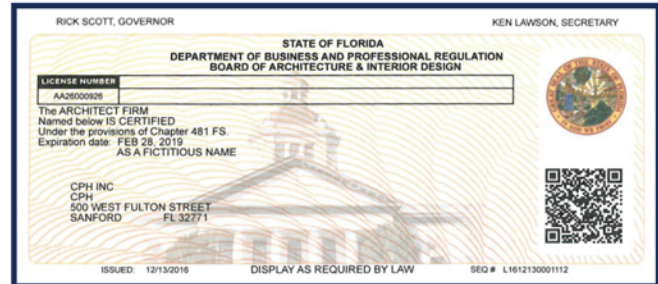
TAB 5. PROFESSIONAL REGISTRATION CERTIFICATES

CPH BUSINESS LICENSES AND CORPORATE REGISTRATION

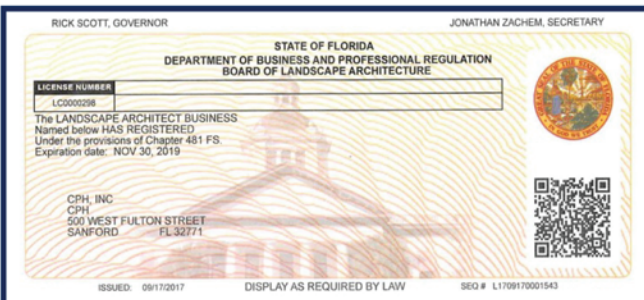
PROFESSIONAL ENGINEERS



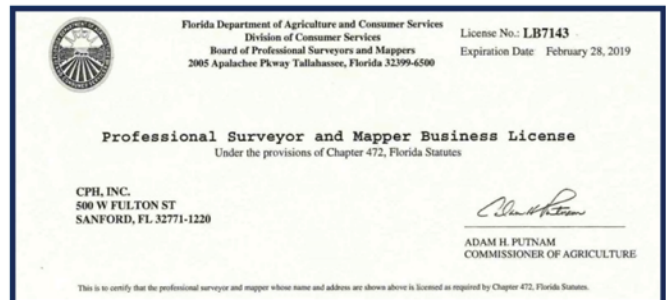
ARCHITECTURE



LANDSCAPE ARCHITECTS



SURVEYORS AND MAPPERS



State of Florida Department of State

I certify from the records of this office that CPH, INC. is a corporation organized under the laws of the State of Florida, filed on March 6, 1981.

The document number of this corporation is F22258.

I further certify that said corporation has paid all fees due this office through December 31, 2018, that its most recent annual report/uniform business report was filed on January 2, 2018, and that its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Second day of January, 2018



Ken Putnam
Secretary of State

Tracking Number: CC5138362264

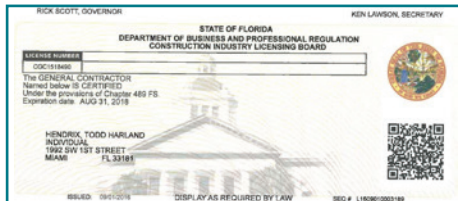
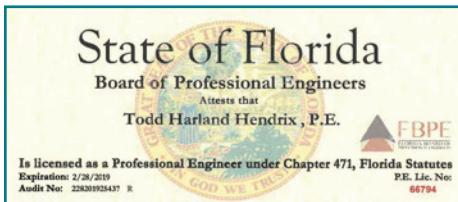
To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

<https://services.sunbiz.org/Files/CertificateOfStatus/CertificateAuthentication>

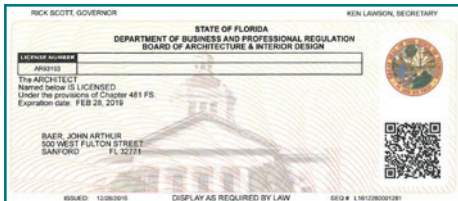
TAB 5. PROFESSIONAL REGISTRATION CERTIFICATES

KEY PERSONNEL LICENSES

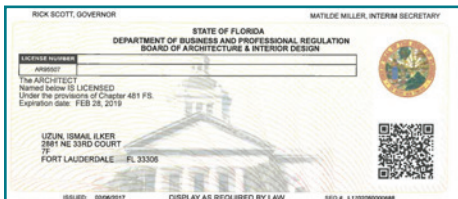
TODD H. HENDRIX, P.E., CGC



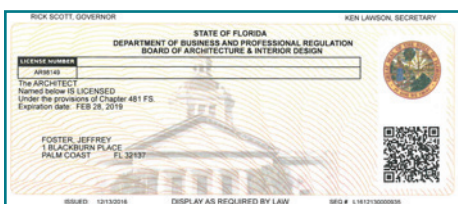
**JOHN A. BAER, AIA, NCARB,
LEED AP BD+C, GGP**



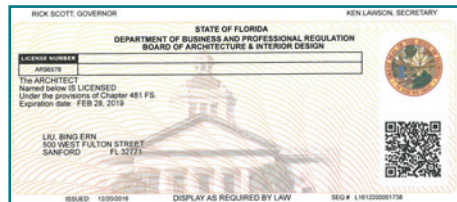
**ISMAIL ILKER UZUN, AIA, LEED
AP BD+C**



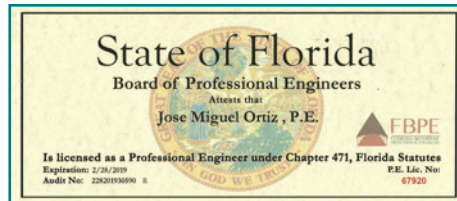
JEFF FOSTER, AIA



BING LIU, AIA



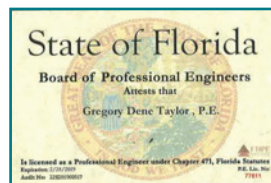
JOSE M. ORTIZ, MCE, P.E.



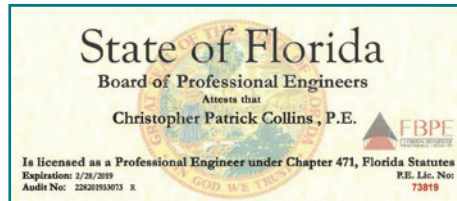
DAVID J. MELFI, P.E.



**GREGORY D. TAYLOR, M.S.E.E,
P.E.**



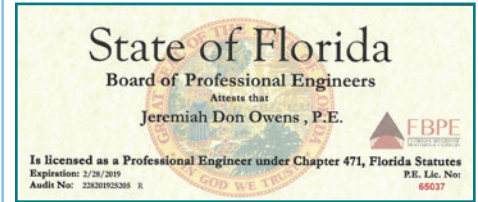
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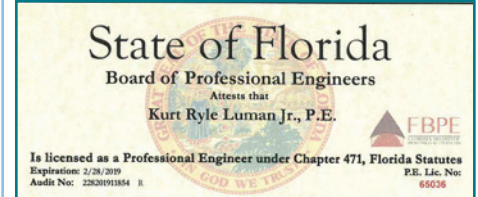
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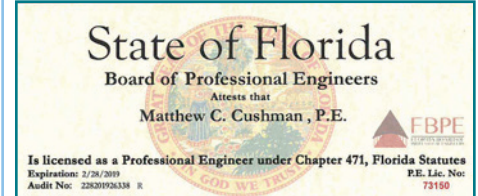
JEREMIAH D. OWENS, P.E.



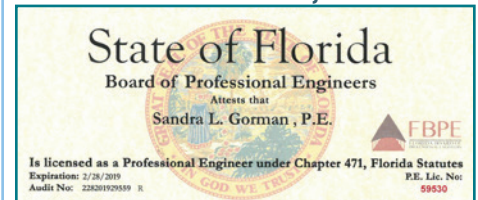
KURT R. LUMAN, JR., P.E.



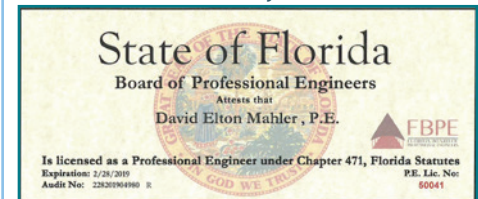
MATTHEW C. CUSHMAN, P.E.



SANDRA L. GORMAN, P.E.



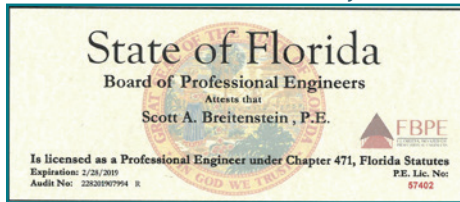
DAVID E. MAHLER, P.E.



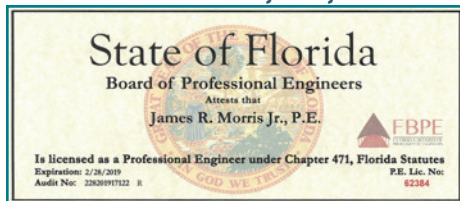
TAB 5. PROFESSIONAL REGISTRATION CERTIFICATES

KEY PERSONNEL LICENSES (CONTINUED)

SCOTT A. BREITENSTEIN, P.E.



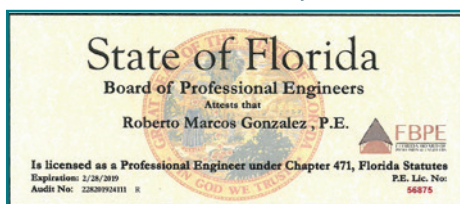
JAMES R. MORRIS, JR., P.E.



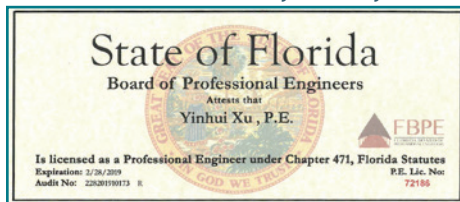
MASON GARDBERG, E.I.



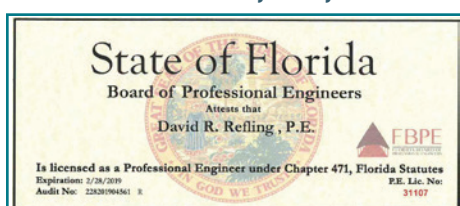
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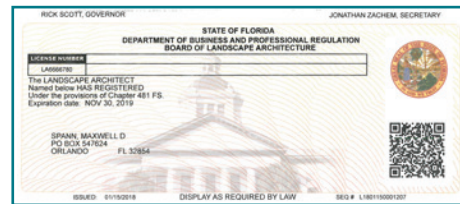
YINHUI (LUCIDA) XU, PH.D., P.E.



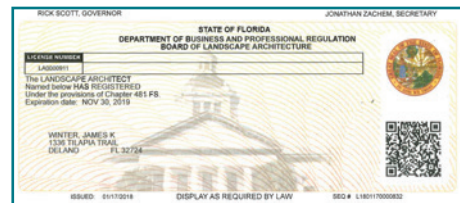
DAVID R. REFLING, P.E., BCEE



MAXWELL D. SPANN, PLA, CLARB



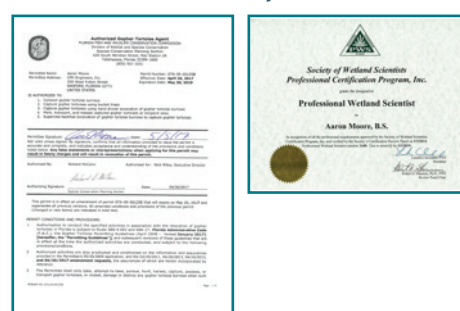
JAMES K. WINTER, RLA, CLARB



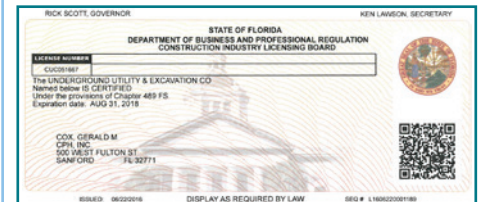
AMY E. DALY, LEED AP



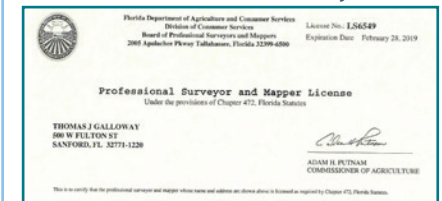
AARON P. MOORE, PWS



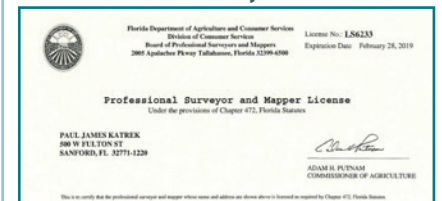
GERALD M. COX, CGC, CUC



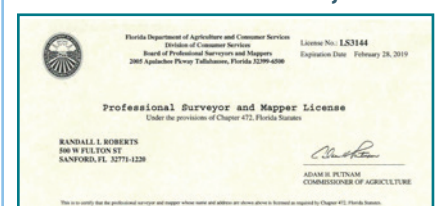
THOMAS J. GALLOWAY, PSM



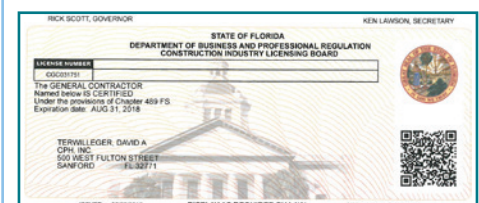
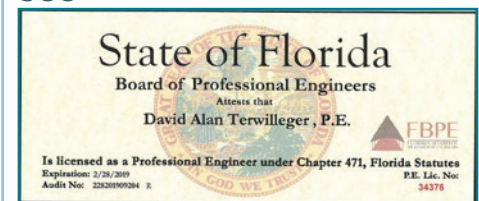
PAUL J. KATREK, PSM



RANDALL L. ROBERTS, PSM



DAVID A. TERWILLEGGER, P.E., CGC



CPH FDOT CERTIFICATIONS

*Florida Department of Transportation*RICK SCOTT
GOVERNOR605 Suwannee Street
Tallahassee, FL 32399-0450MIKE DEW
SECRETARY

June 21, 2018

David Gierach, President
CPH, INC.
500 West Fulton Street
Sanford, Florida 32771

Dear Mr. Gierach:

The Florida Department of Transportation has reviewed your application for prequalification package and determined that the data submitted is adequate to technically prequalify your firm for the following types of work:

Group 2 - Project Development and Environmental (PD&E) Studies

Group 3 - Highway Design - Roadway

3.1 - Minor Highway Design

3.2 - Major Highway Design

Group 6 - Traffic Engineering and Operations Studies

6.1 - Traffic Engineering Studies

6.2 - Traffic Signal Timing

Group 7 - Traffic Operations Design

7.1 - Signing, Pavement Marking and Channelization

7.2 - Lighting

7.3 - Signalization

Group 8 - Survey and Mapping

8.1 - Control Surveying

8.2 - Design, Right of Way & Construction Surveying

8.4 - Right of Way Mapping

Group 10 - Construction Engineering Inspection

10.1 - Roadway Construction Engineering Inspection

Group 13 - Planning

13.6 - Land Planning/Engineering

www.fdot.gov

Supplier: **CPH, Inc.**



City of Pembroke Pines

Attachment C

NON-COLLUSIVE AFFIDAVIT

BIDDER is the **CPH, Inc.**,

(Owner, Partner, Officer, Representative or Agent)

BIDDER is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances respecting such Bid;

Such Bid is genuine and is not a collusive or sham Bid;

Neither the said BIDDER nor any of its officers, partners, owners, agents, representative, employees or parties in interest, including this affidavit, have in any way colluded, conspired, connived or agreed, directly or indirectly, with any other BIDDER, firm or person to submit a collusive or sham Bid in connection with the Contract for which the attached Bid has been submitted; or to refrain from bidding in connection with such Contract; or have in any manner, directly or indirectly, sought by agreement or collusion, or communications, or conference with any BIDDER, firm, or person to fix the price or prices in the attached Bid or any other BIDDER, or to fix any overhead, profit, or cost element of the Bid Price or the Bid Price of any other BIDDER, or to secure through any collusion conspiracy, connivance, or unlawful agreement any advantage against (Recipient), or any person interested in the proposed Contract;

The price of items quoted in the attached Bid are fair and proper and are not tainted by collusion, conspiracy, connivance, or unlawful agreement on the part of the BIDDER or any other of its agents, representatives, owners, employees or parties in interest, including this affidavit.

Printed Name/Signature **Nikhel Jindal, GCC**

Title **Vice President / Associate**

Name of Company **CPH, Inc.**

Supplier: **CPH, Inc.**



City of Pembroke Pines

Attachment D

**SWORN STATEMENT
ON PUBLIC ENTITY CRIMES
UNDER FLORIDA STATUTES CHAPTER 287.133(3)(a).**

1. This sworn statement is submitted **CPH, Inc.** (name of entity submitting sworn statement) whose business address is **1992 SW 1st Street, Miami, FL 33135** and (if applicable) its Federal Employer Identification Number (FEIN) is **59-2068806**. (If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement: .)
2. My name is **Nikhel Jindal, GCC** and my
(Please print name of individual signing)

relationship to the entity named above is **Vice President / Associate**.
3. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any bid, proposal, reply, or contract for goods or services, any lease for real property, or any contract for the construction or repair of a public building or public work, involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.
4. I understand that a "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.
5. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means:
 1. A predecessor or successor of a person convicted of a public entity crime: or
 2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The Cityship by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.
6. I understand that a "person" as defined in Paragraph 287.133(1)(e), Florida Statutes, means any

natural person or any entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts let by a public entity, or which otherwise transacts or applies to transact business with a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.

7. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. **(Please indicate which statement applies.)**

☒ A) Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.

☐ B) The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989, AND **(Please indicate which additional statement applies.)**

☐ B1) There has been a proceeding concerning the conviction before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer did not place the person or affiliate on the convicted vendor list. **(Please attach a copy of the final order.)**

☐ B2) The person or affiliate was placed on the convicted vendor list. There has been a subsequent proceeding before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer determined that it was in the public interest to remove the person or affiliate from the convicted vendor list. **(Please attach a copy of the final order.)**

☐ B3) The person or affiliate has not been placed on the convicted vendor list. **(Please describe any action taken by or pending with the Department of General Services.)**

Nikhel Jindal, GCC
Bidder's Name/Signature

CPH, Inc.
Company

07/18/2018
Date

Supplier: **CPH, Inc.**

CONTACT INFORMATION FORM

IN ACCORDANCE WITH “RFQ # PSEN-18-02” titled “**Professional Service Providers (Architectural, Engineering, Surveying & Mapping)**” attached hereto as a part hereof, the undersigned submits the following:

A) Contact Information

The Contact information form shall be electronically signed by one duly authorized to do so, and in case signed by a deputy or subordinate, the principal's properly written authority to such deputy or subordinate must accompany the proposal. This form must be completed and submitted through www.bidsync.com as part of the bidder's submittal.

COMPANY INFORMATION:

COMPANY: **CPH, Inc.**

STREET ADDRESS: **1992 SW 1st Street**

CITY, STATE & ZIP CODE: **Miami, FL 33135**

PRIMARY CONTACT FOR THE PROJECT:

NAME: **Todd H. Hendrix, P.E., CGC** TITLE: **Sr. Vice President / Associate**

E-MAIL: **info@cphcorp.com**

- TELEPHONE: **305.274.4805** FAX: **305.274.4807**

CORPORATE OFFICER AUTHORIZED APPROVER:

NAME: **Nikhel Jindal, GCC** TITLE: **Vice President / Associate**

E-MAIL: **info@cphcorp.com**

- TELEPHONE: **305.274.4805** FAX: **305.274.4807**

SIGNATURE: **Nikhel Jindal**

Supplier: **CPH, Inc.**

PROFESSIONAL SERVICES FORM

Please check the boxes shown below that your company wants to be considered for:

<input checked="" type="checkbox"/>	General Civil and Environmental Engineering Services
<input checked="" type="checkbox"/>	Treatment Plant Process Engineering Services
<input type="checkbox"/>	Electrical Engineering Services
<input type="checkbox"/>	Geotechnical Services
<input type="checkbox"/>	Structural Engineering Services
<input checked="" type="checkbox"/>	Land Surveying Services
<input checked="" type="checkbox"/>	General Architectural Services
<input checked="" type="checkbox"/>	Landscape Architecture Services
<input type="checkbox"/>	Hydro-Geological Services
<input checked="" type="checkbox"/>	FDOT Roadway Engineering Services

Supplier: **CPH, Inc.**



City of Pembroke Pines

Attachment G

EQUAL BENEFITS CERTIFICATION FORM FOR DOMESTIC PARTNERS AND ALL MARRIED COUPLES

Except where federal or state law mandates to the contrary, a Contractor awarded a Contract pursuant to a competitive solicitation shall provide benefits to Domestic Partners and spouses of its employees, irrespective of gender, on the same basis as it provides benefits to employees' spouses in traditional marriages.

The Contractor shall provide the City and/or the City Manager or his/her designee, access to its records for the purpose of audits and/or investigations to ascertain compliance with the provisions of this section, and upon request shall provide evidence that the Contractor is in compliance with the provisions of this section upon each new bid, contract renewal, or when the City Manager has received a complaint or has reason to believe the Contractor may not be in compliance with the provisions of this section. Records shall include but not be limited to providing the City and/or the City Manager or his/her designee with certified copies of the Contractor's records pertaining to its benefits policies and its employment policies and practices.

The Contractor must conspicuously make available to all employees and applicants for employment the following statement:

“During the performance of a contract with the City of Pembroke Pines, Florida, the Contractor will provide Equal Benefits to its employees with spouses, as defined by Section 35.39 of the City's Code of Ordinances, and its employees with Domestic Partners and all Married Couples”.

The posted statement must also include a City contact telephone number and email address which will be provided to each contractor when a covered contract is executed.

SECTION 1 DEFINITIONS

1. **Benefits** means the following plan, program or policy provided or offered by a contractor to its employees as part of the employer's total compensation package which may include but is not limited to sick leave, bereavement leave, family medical leave, and health benefits.
2. **Cash Equivalent** mean the amount of money paid to an employee with a domestic partner or spouse in lieu of providing benefits to the employee's domestic partner or spouse. The cash equivalent is equal to the employer's direct expense of providing benefits to an employee for his or her spouse from a traditional marriage.
3. **Covered Contract** means a contract between the City and a contractor awarded subsequent to the date when this section becomes effective valued at over \$25,000 or the threshold amount required for competitive bids as required in section 35.18(A) of the Procurement Code.
4. **Domestic Partner** shall mean any two (2) adults of the same or different sex who have registered as domestic partners with a governmental body pursuant to state or local law authorizing such registration, or with an internal registry maintained by the employer of at least one of the domestic partners. A contractor may institute an internal registry to allow for the provision of equal benefits to employees with domestic partners who do not register their partnerships pursuant to a governmental body authorizing such registration, or who are

located in a jurisdiction where no such governmental domestic partnership registry exists. A contractor that institutes such registry shall not impose criteria for registration that are more stringent than those required for domestic partnership registration by the City of Pembroke Pines.

5. **Equal benefits** means the equality of benefits between employees with spouses and/or dependents of spouses and employees with domestic partners and/or dependents of domestic partners, and/or between spouses of employees and/or dependents of spouses and domestic partners of employees and/or dependents of domestic partners.
6. **Spouse** means one member of a married pair legally married under the laws of any state within the United States of America or any other jurisdiction under which such marriage is legally recognized, irrespective of gender.
7. **Traditional marriage** means a marriage between one man and one woman.

SECTION 2 CERTIFICATION OF CONTRACTOR

The firm providing a response, by virtue of the signature below, certifies that it is aware of the requirements of Section 35.39 "City Contractors providing Equal Benefits for Domestic Partners and all Married Couples" of the City's Code of Ordinances, and certifies the following (**Check only one box below**):

- ☒ **A.** Contractor currently complies with the requirements of this section; or
- ☐ **B.** Contractor will comply with the conditions of this section at the time of contract award; or
- ☐ **C.** Contractor will not comply with the conditions of this section at the time of contract award:
or
- ☐ **D.** Contractor does not comply with the conditions of this section because of the following allowable exemption (**Check only one box below**):
- ☐ **1.** The Contractor does not provide benefits to employees' spouses in traditional marriages;
- ☐ **2.** The Contractor provides an employee the cash equivalent of benefits because the Contractor is unable to provide benefits to employees' Domestic Partners or spouses despite making reasonable efforts to provide them. To meet this exception, the Contractor shall provide a notarized affidavit that it has made reasonable efforts to provide such benefits. The affidavit shall state the efforts taken to provide such benefits and the amount of the cash equivalent. Cash equivalent means the amount of money paid to an employee with a Domestic Partner or spouse rather than providing benefits to the employee's Domestic Partner or spouse. The cash equivalent is equal to the employer's direct expense of providing benefits to an employee's spouse;
- ☐ **3.** The Contractor is a religious organization, association, society, or any non-profit charitable or educational institution or organization operated supervised or controlled by or in conjunction with a religious organization, association, or society;
- ☐ **4.** The Contractor is a governmental agency;

The certification shall be signed by an authorized officer of the Contractor. Failure to provide such certification (by checking the appropriate boxes above along with completing the information below) shall result in a Contractor being deemed non-responsive.

COMPANY NAME: **CPH, Inc.**

AUTHORIZED OFFICER NAME / SIGNATURE: **Nikhel Jindal, GCC**

Supplier: CPH, Inc.



City of Pembroke Pines

Attachment L

**SCRUTINIZED COMPANY CERTIFICATION
PURSUANT TO FLORIDA STATUTE § 287.135**

I, **Nikhel Jindal, GCC, Vice President,** on behalf of **CPH, Inc.,**
 Print Name and Title Company Name

certify that **CPH, Inc.**
 Company Name

1. Does not participate in a boycott of Israel; and
2. Is not on the Scrutinized Companies that Boycott Israel list; and
3. Is not on the Scrutinized Companies with Activities in Sudan List; and
4. Is not on the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List; and
5. Has not engaged in business operations in Syria.

Submitting a false certification shall be deemed a material breach of contract. The City shall provide notice, in writing, to the Contractor of the City's determination concerning the false certification. The Contractor shall have ninety (90) days following receipt of the notice to respond in writing and demonstrate that the determination of false certification was made in error. If the Contractor does not demonstrate that the City's determination of false certification was made in error then the City shall have the right to terminate the contract and seek civil remedies pursuant to Florida Statute § 287.135.

Section 287.135, Florida Statutes, prohibits the City from: 1) Contracting with companies for goods or services in any amount if at the time of bidding on, submitting a proposal for, or entering into or renewing a contract if the company is on the Scrutinized Companies that Boycott Israel List, created pursuant to Section 215.4725, F.S. or is engaged in a boycott of Israel; and 2) Contracting with companies, for goods or services over \$1,000,000.00 that are on either the Scrutinized Companies with activities in the Iran Petroleum Energy Sector list, created pursuant to s. 215.473, or are engaged in business operations in Syria.

As the person authorized to sign on behalf of the Contractor, I hereby certify that the company identified above in the section entitled "Contractor Name" does not participate in any boycott of Israel, is not listed on the Scrutinized Companies that Boycott Israel List, is not listed on either the Scrutinized Companies with activities in the Iran Petroleum Energy Sector List, and is not engaged in business operations in Syria. I understand that pursuant to section 287.135, Florida Statutes, the submission of a false certification may subject the company to civil penalties, attorney's fees, and/or costs. I further understand that any contract with the City for goods or services may be terminated at the option of the City if the company is found to have submitted a false certification or has been placed on the Scrutinized Companies with Activities in Sudan list or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List.

CPH, Inc.
 Company Name

Nikhel Jindal, GCC
 Print Name / Signature

Vice President / Associate
 Title

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