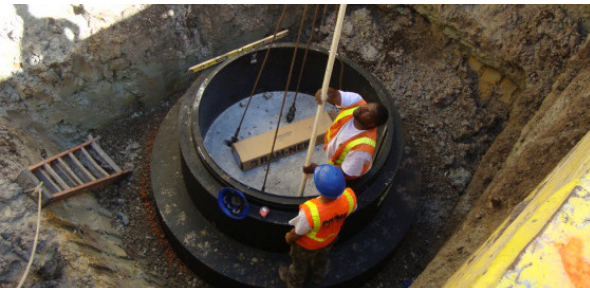




REQUEST FOR QUALIFICATIONS

GENERAL ENGINEERING SERVICES

DUE DATE: 12.7.2022 | RFQ# 22-006



CPH, LLC | 1992 SW 1st Street, Miami, FL 33135
| 305.274.4807 | info@cphcorp.com | www.cphcorp.com

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1. COVER LETTER

December 7, 2022

City of Key West
1300 White Street
Key West, Florida 33040



1992 SW 1st Street
Miami, FL 33135
Phone: 305.274.4807
info@cphcorp.com
www.cphcorp.com

RE: GENERAL ENGINEERING SERVICES | RFQ# 22-006

Dear Selection Committee Members:

CPH is pleased to respond to the City of Key West's Request for Qualifications for the General Engineering Services contract. It would be our pleasure to provide services to the City.

CPH'S ABILITY TO MEET THE CITY'S REQUIREMENTS IS UNMATCHED. CPH is a multi-disciplinary engineering firm recognized for providing superior quality services to our clients in an efficient and effective manner. CPH has been providing consulting services for over 41 years; we believe that this experience is imperative to successfully execute the wide variety of projects that this contract may bestow. With a nearby office in Miami. We have been serving the Florida Keys for 20+ years. Our local clients include FCAA, Monroe County, FDEP, Village of Islamorada, and Key Largo Wastewater Treatment District. We have served each of these clients under identical continuing contracts and completed numerous similar projects as outlined in the City's Capital Plan.

EXPERIENCE: CPH has assembled a vastly diverse and highly qualified team with experience in all discipline areas requested by the City. Our team is capable of providing services for every project that will emerge under this contract. CPH realizes and understands that each project has its individual characteristics and will need specialized expertise. Therefore, CPH has assembled a team composed of engineers, environmental scientists, contractors, inspectors, surveyors, and administrative staff; which will bring a significant assortment of knowledge to the contract. CPH has experience in areas such as: roadway design, stormwater management, water and wastewater treatment, utility design, structural analysis, transportation, planning, and environmental services. We have worked with many of our clients for 30 years. These long-term relationships have afforded us many opportunities to meet our clients' needs and perform municipal engineering services. Our team has extensive experience in working under continuing contracts and is available for planned projects as well as unplanned emergencies.

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

Sincerely,
CPH, LLC

A handwritten signature in blue ink, appearing to read 'Nikhel Jindal'.

Nikhel Jindal, GCC, Assoc. DBIA, ENV SP | Chief Strategy and Success Officer



Award Winning
Experts In
Engineering



Completed Services
for Municipalities
Through Continuing
Contracts



Extensive
Experience in the
Florida Keys

2. INFORMATION PAGE

CPH, LLC has been providing services in the area since the 1960's and the Firm has been established since 1981. In keeping with the company's philosophy to assure responsive and cost effective service, CPH has grown with branch offices housing approximately 290+ employees in Florida, Georgia, Maryland, Massachusetts and Puerto Rico with the firm's Corporate Headquarters located in Sanford, Florida. CPH's commitment to providing the highest level of service in an affordable manner has been achieved through emphasis on personalized services and direct involvement of top level CPH personnel.

We have put together a team that not only has specialized experience but has extensive experience working together. We have carefully crafted this team based on this work history, our understanding of the City's needs, and ability to deliver a quality project.

CPH has an office 163 miles away from the City's headquarters, with the ability to provide almost any service the City will desire in house through our 290+ available professionals. The projects listed in Section 7 are just a small sample of our team's recent relevant experience. We encourage the City to contact our team's client references listed in Section 8, as they will attest to our ability to produce high quality designs efficiently and economically.

MEET YOUR PRINCIPAL-IN-CHARGE



Todd H. Hendrix, P.E., CGC
Chief Operating Officer - AE
Services
24 Years of Experience

WHAT TODD WOULD LIKE YOU TO KNOW

"I serve as a principal of the firm and will oversee any project under this contract and provide the necessary resources and guidance to the design team. With over 24 years of experience, I also serve CPH as Branch Manager for the Miami Office. I'm responsible for overseeing a diverse staff that manages site development for commercial, residential, and municipal projects. I joined CPH in 1998. My municipal experience includes project coordination, design, and permitting of various potable water systems, wastewater systems, and stormwater management systems. I also have experience in the areas of design and permitting of water supply wells, ground storage and treatment facilities, and high service pumping and distribution systems."

ADDRESS: 1992 SW 1st Street, Miami, FL 33135

PHONE: 305.274.4805

FAX: 305.274.4807

E-MAIL: info@cphcorp.com

MEET YOUR PROGRAM MANAGER/TASK ORDER MANAGER



Kyle M. Bechtelheimer, P.E.
Vice President / Associate
9 Years of Experience

WHAT KYLE WOULD LIKE YOU TO KNOW

"I have enjoyed managing a wide variety of projects in the Florida Keys for our existing clients. I have managed and successfully delivered projects throughout the Keys which have specifically included Civil, Utility, Coastal, Structural, Environmental, and Mechanical/Electrical Engineering components. Through my work in the Key West area I have become very familiar with the City and its infrastructure, parks, and buildings. As an Environmental/Civil engineer my main goals are to implement sustainable, lasting, and budget conscious infrastructure, all the while protecting and enhancing our natural environment. I am very excited for the opportunity to work with the City of Key West to deliver successful projects."

ADDRESS: 1992 SW 1st Street, Miami, FL 33135

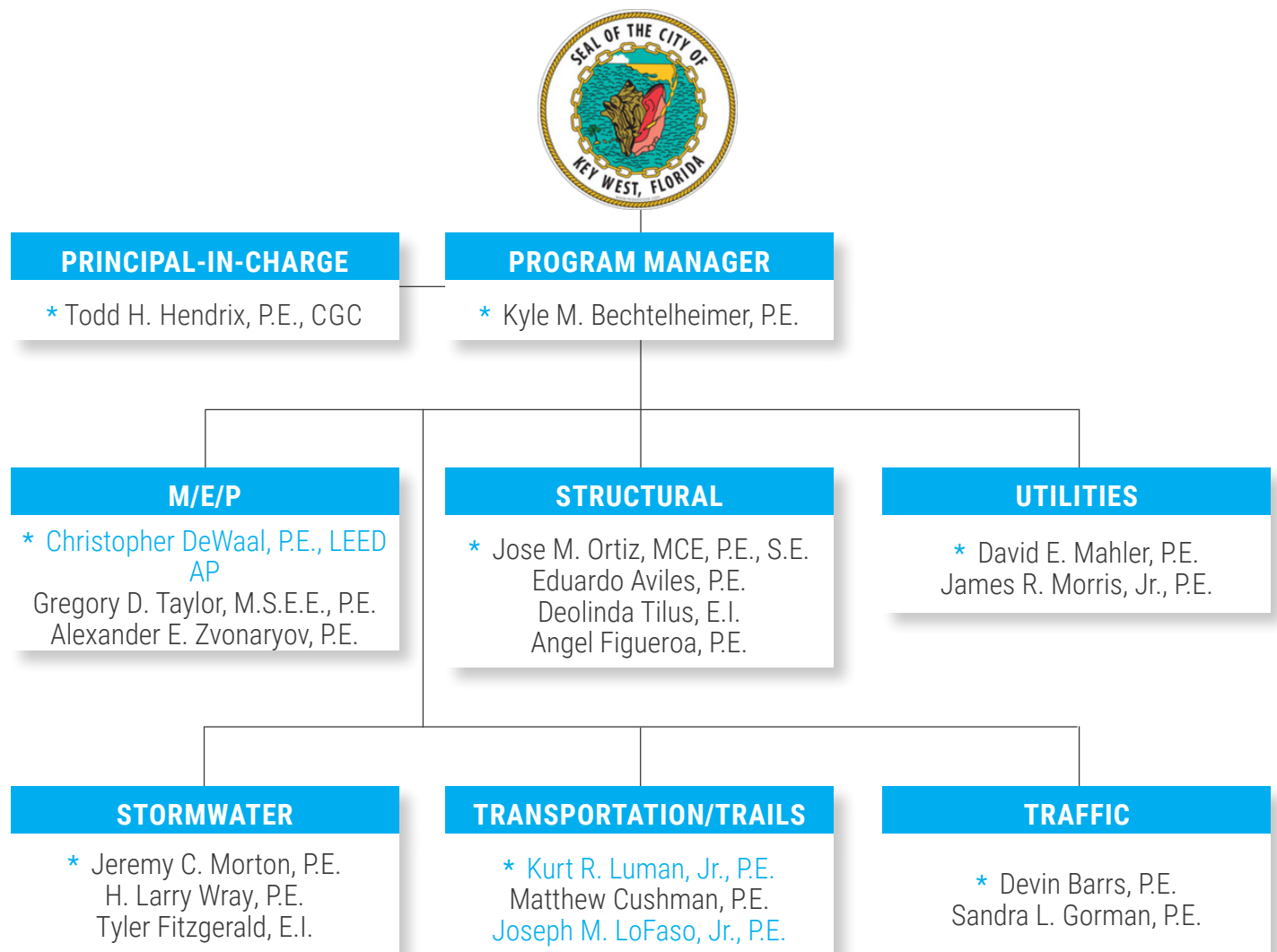
PHONE: 305.274.4805

FAX: 305.274.4807

E-MAIL: info@cphcorp.com

3. ORGANIZATIONAL CHART

CPH has assembled a vastly diverse and highly qualified team with experience in all discipline areas requested by City of Key West. Our team is capable of providing services for every project that will emerge under this contract. The CPH Team Organizational Chart (provided below) depicts the overall reporting and communication hierarchy as well as project roles and responsibilities in relation to City of Key West scope of services. The City will have the direct commitment of the CPH Miami office, along with support from the CPH Sanford office.



* Indicate Key Personnel

Names that appear in Blue indicate LEED and/or FDOT Certified

4. COMPANY INFORMATION

CPH BACKGROUND INFORMATION:

CPH has been providing services since the Firm was established in 1981. In keeping with the company's philosophy to assure responsive and cost-effective service, CPH has grown with **14 branch offices** housing approximately 290 employees in Florida, Georgia, Maryland, Massachusetts and Puerto Rico with the firm's **Regional Office located in Miami, Florida**. CPH's commitment to providing the highest level of service in an affordable manner has been achieved through emphasis on personalized services and direct involvement of top level CPH personnel.

Known as a leading multi-disciplinary consulting firm, CPH provides services in the following areas:

- Engineering Services (Civil, Structural, and Utilities)
- Master Planning
- Architectural Services/Landscape Architecture
- Water/Wastewater/Reclaimed/Stormwater Systems
- Hydraulics and hydrology
- Environmental Sciences
- Transportation Engineering, including Traffic Planning and Design
- Land Planning/Zoning
- Construction Engineering and Inspection/Construction Management
- Surveying & Mapping

NAME CHANGE HISTORY:

- CPH Consulting, LLC dba CPH, LLC
- (2022 - Current)
- CPH, Inc. (2013 - 2022)
- CPH Engineers, Inc. (1998 - 2013)
- Conklin, Porter, & Holmes (1981 - 1998)

NUMBER OF FULL-TIME STAFF: 290

NUMBER OF PART-TIME STAFF: 15

The CPH Team includes **6 Licensed Architects, 50+ Licensed Engineers, 40 Unlicensed technical support staff, and 35 Administrative staff**. Our team can provide complete architecture and engineering services through our comprehensive in house resources.

OFFICE LOCATION	APPROXIMATE DISTANCE FROM CITY
CPH MIAMI	163 miles (3 hours 28 minutes)

The City will have the direct commitment of the CPH Miami office, located at **1992 SW 1st Street Miami FL, 33135, Phone: 305.274.4805**. The Miami office is staffed with employees that include registered personnel, administrative staff, and owners of the firm to accomplish the projects on time and within budget.



41+ Year History of Providing Services for Clients in Florida



Continually Ranked in Top 500 Design Firms in The United States

AREAS OF SERVICE



ARCHITECTURE



ENVIRONMENTAL



LAND PLANNING



SURVEY



ENGINEERING



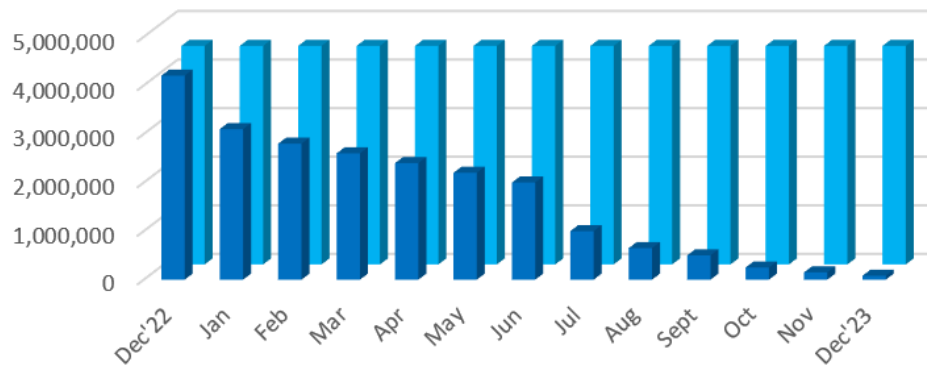
LANDSCAPE ARCHITECTURE



PERMITTING

WORKLOAD AND AVAILABILITY

The current and projected workload of our team is such that we can provide responsive service to City of Key West. We are well-staffed, equipped with our nearby Miami location, and believe that we and our team members can provide a high quality, professional service to the City's 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 13 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 following matrix illustrates our staff's availability relative to our existing projects. As projects are completed, we have additional staffing capability for new assignments. The team proposed to provide services to City of Key West has adequate time available to dedicate to the successful completion of any project that will be assigned to the CPH team under this contract.

KEY PERSONNEL	ROLE	PROJECTED AVAILABILITY
Todd H. Hendrix, P.E., CGC	PRINCIPAL-IN-CHARGE	70%
Kyle M. Bechtelheimer, P.E.	PROGRAM MANAGER	80%
Christopher DeWaal, P.E., LEED AP	MECHANICAL/ELECTRICAL/PLUMBING	85%
Gregory D. Taylor, M.S.E.E., P.E.	MECHANICAL/ELECTRICAL/PLUMBING	65%
Alexander E. Zvonaryov, P.E.	MECHANICAL/ELECTRICAL/PLUMBING	70%
Jose M. Ortiz, MCE, P.E., S.E.	STRUCTURAL ENGINEER	65%
Eduardo Aviles, P.E.	STRUCTURAL ENGINEER	80%
Deolinda Tilus, E.I.	STRUCTURAL ENGINEER	75%
Angel Figueroa, P.E.	STRUCTURAL ENGINEER	60%
Kurt R. Luman, Jr., P.E.	TRANSPORTATION/TRAILS ENGINEER	85%
Matthew Cushman, P.E.	TRANSPORTATION/TRAILS ENGINEER	70%
Joseph M. LoFaso, Jr., P.E.	TRANSPORTATION/TRAILS ENGINEER	80%
Devin Barrs, P.E.	TRAFFIC ENGINEER	75%
Sandra L. Gorman, P.E.	TRAFFIC ENGINEER	60%
Jeremy C. Morton, P.E.	STORMWATER ENGINEER	65%
H. Larry Wray, P.E.	STORMWATER ENGINEER	70%
Tyler Fitzgerald, E.I.	STORMWATER ENGINEER	65%
David E. Mahler, P.E.	UTILITY ENGINEER	80%
James R. Morris, Jr., P.E.	UTILITY ENGINEER	75%

CPH LICENSES

CPH is currently undergoing a name change transition and is in the process of updating documents to reflect the correct name.

PROFESSIONAL ENGINEERS

Licensee Information	
Name:	CPH, LLC (Primary Name) CPH (DBA Name)
Main Address:	500 W FULTON STREET SANFORD Florida 32771
County:	SEMINOLE
License Location:	500 WEST FULTON STREET SANFORD FL 32772
County:	SEMINOLE
License Information	
License Type:	Registry
Rank:	Registry
License Number:	3215
Status:	Current
Licensure Date:	04/22/1981
Expires:	

ARCHITECTURE

Licensee Information	
Name:	CPH LLC (Primary Name) CPH CONSULTING, LLC (DBA Name)
Main Address:	500 WEST FULTON STREET SANFORD Florida 32771
County:	SEMINOLE
License Information	
License Type:	Architect Business Information
Rank:	Business Info
License Number:	
Status:	Current
Licensure Date:	04/04/2005
Expires:	
Special Qualifications	
Fictitious Name	Qualification Effective 04/04/2005

State of Florida Department of State

I certify from the records of this office that CPH, LLC is a Delaware limited liability company authorized to transact business in the State of Florida, qualified on May 31, 2022.

The document number of this limited liability company is M22000008499.

I further certify that said limited liability company has paid all fees due this office through December 31, 2022 and that its status is active.

I further certify that said limited liability company has not filed a Certificate of Withdrawal.

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Second day of June, 2022*



[Signature]
Secretary of State

Tracking Number: 0756734958CU

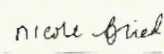
To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

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

LANDSCAPE ARCHITECTS

Licensee Information	
Name:	CPH CONSULTING LLC (Primary Name)
Main Address:	500 W FULTON ST SANFORD Florida 32771
County:	SEMINOLE
License Information	
License Type:	Landscape Architecture Business Information
Rank:	Business Info
License Number:	
Status:	Current
Licensure Date:	07/11/2022
Expires:	

SURVEYORS & MAPPERS

		Florida Department of Agriculture and Consumer Services Division of Consumer Services Board of Professional Surveyors and Mappers 2005 Apalachee Parkway Tallahassee, Florida 32399-6300	License No.: LB7143 Expiration Date: February 28, 2023
Professional Surveyor and Mapper Business License Under the provisions of Chapter 472, Florida Statutes			
CPH, INC. 500 W FULTON ST SANFORD, FL 32771-1220		 NICOLE NIGAL TRIPP COMMISSIONER OF AGRICULTURE	

5. METHODOLOGY AND APPROACH

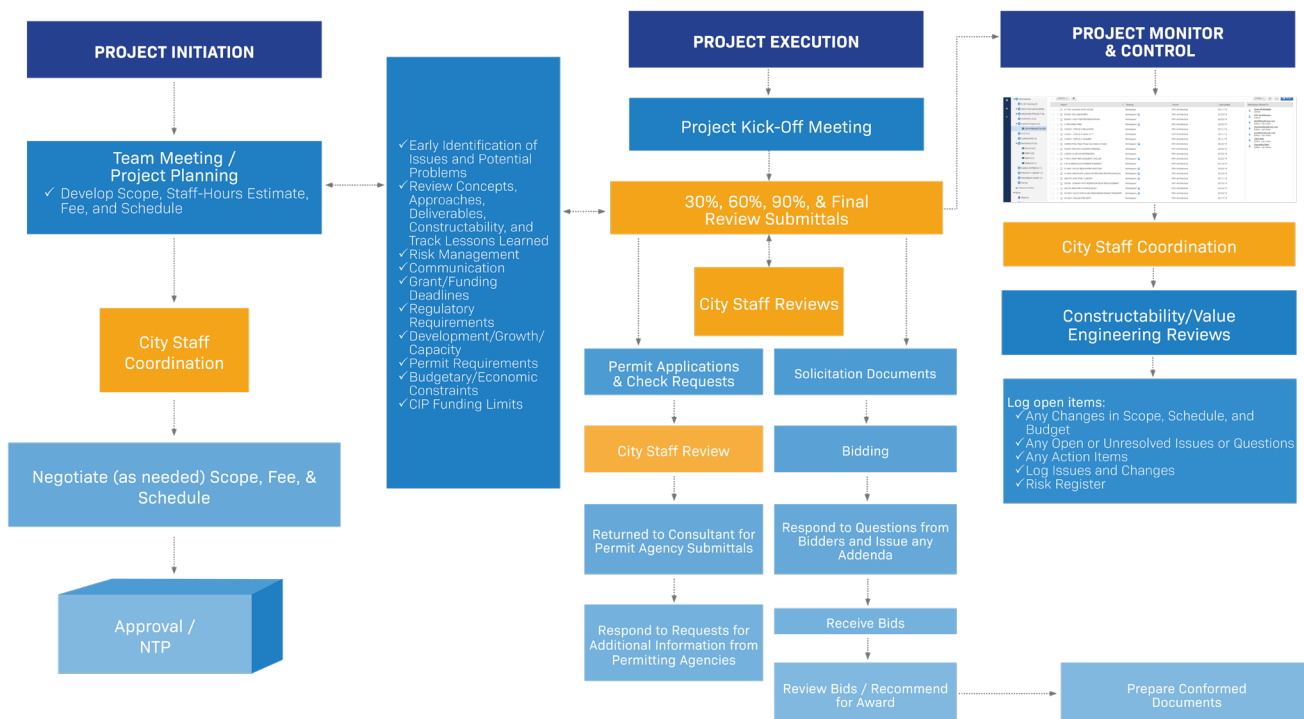
APPROACH TO PROJECT MANAGEMENT

The key to managing and controlling the project schedule and budget will be continual coordination between all CPH team members and the City. This team effort will be directed by Kyle M. Bechtelheimer, P.E. To maintain proper control of the schedule and budget, the CPH project manager and team members will continually monitor the project on a weekly and monthly basis from inception to completion. Typical management tools to monitor schedule and budget include field coordination meetings, weekly/monthly look-ahead schedules that are updated routinely, and detailed 90-day schedules updated monthly.



CPH understands that the City is seeking a qualified professional consulting firm to provide services as required. CPH will provide the City of Key West with unmatched expertise and resources for projects under this contract. CPH can provide the City with services required for the design/construction/repair of identified project(s) which may include, but not limited to, conceptual design, park planning, landscape design and specifications, hardscape design, project image design, sign design, lighting design and specifications, design guidelines, streetscape programs, illustrative graphics, land management and shoreline design, shoreline analysis and development feasibility analysis, micro-site planning and design, xeriscape design and specifications, irrigation design and specifications, civil design, electrical and plumbing design and specifications, construction detailing and specifications, construction bidding assistance, construction observation, public involvement assistance, master planning, site planning, site context and concept analysis, development programming and phasing, development feasibility analysis, redevelopment programs / urban design, streetscape and roadway corridor planning, land use analysis bidding/ selection recommendation, presentation/ recommendation to Staff and/or Commission, etc. Our resumes and the professional histories of the various team members clearly demonstrate a vast and broad background of experience which will be effectively applied to the City's benefit. CPH is highly qualified to provide continuing services for the City's projects.

The following outlines our past successful approach that has been implemented on similar types of projects. Each project is unique, and this approach would be refined per project requirements.



PHASE I | SCOPE DEVELOPMENT

- **Initial Request** – The City provides CPH with a request for professional services for a specific project.
- **Project Team Assembled** – Based upon project requirements, the Project Manager will assemble the appropriate professional disciplines and staff.
- **Proposal Meeting** – The project manager will schedule a Proposal Meeting to meet City staff to review the project scope of work, goals, design criteria and constraints.
- **Definition of Scope and Notice to Proceed** – Based upon the information gathered during the proposal meeting, a defined scope of work and proposal with a time and fee schedule will be prepared, and will include a list of sub-consultants on the project. This proposal will be submitted to the City for review, comment, and execution. Work will begin immediately upon a written notice to proceed.

PHASE II | ANALYSIS AND DUE DILIGENCE

- **Collected Data** – Review and study the collected drawings and documents supplied by the City and others for incorporation into the design process.
- **Codes and Standards** – Review and study related jurisdictional codes and standards as they pertain to the project classification.
- **Site Survey** – Pursuant to project requirements, obtain boundary and/or topographic survey information and prepare a survey based on State Plane, NAD 83 and vertical coordinates based on NGVD.
- **Utilities** – Obtain utility services information for inclusion on the site survey drawing.
- **Tree Survey** – Obtain tree survey information when required.
- **Wetlands** – Establish and survey jurisdictional wetland boundaries when required.
- **Soils Analysis** – Review and study available soils maps and data.
- **Hydrology Study** – Prepare existing condition hydrology study when required.
- **Environmental Impact Study** – Prepare phase 1 Environmental Impact Study when required.
- **Space/Needs Analysis** – Meet with City staff to determine space/needs requirements for building improvements and prepare a written report for review and comment.
- **Program Development** – Meet with City staff and other interested parties such as athletic associations or leagues, user groups, seniors, etc. to gather and prioritize project program elements.
- **Site Analysis Documents** – Prepare drawings and/or reports summarizing the investigative findings.
- **Presentation** – The Site Analysis Documents, Space/Needs Analysis and/or Program Development priority list will be submitted and presented to the City for review and comment.

PHASE III | CONCEPTUAL DESIGN SERVICES

- Based upon the City's response to the presentation element, CPH will prepare design concepts to 30% review level for the proposed project.
- Based on the City's comments and input from any required public meetings, CPH will prepare a final conceptual plan for acceptance by the City.

PHASE IV | DESIGN DEVELOPMENT

- Based on the approved conceptual design, CPH will prepare project drawings and documents that will be approximately 60% complete. Drawings will be as required by the project type and may include, architectural, structural, civil, mechanical, electrical, plumbing, and/or landscape packages. CPH will compile a Project Status Report, based on the accomplishments of the preliminary services. The drawings will be submitted to the City for review and comment.
- When appropriate to the project, CPH will prepare a drawing indicating soil boring locations for geotechnical testing. This information will be submitted with the preliminary plan for review and authorization to proceed with geotechnical testing.
- CPH will customize our construction cost-estimating documents for the project and will prepare a preliminary cost estimate. The cost documents will be used throughout the project to monitor construction cost and to attach costs to various alternatives.
- CPH will meet with the necessary regulatory agencies and conduct a "pre-submittal" presentation. The project alternatives will be presented and we will gain knowledge of the agencies' concerns and expectations.
- CPH will prepare and submit a preliminary technical specifications package based on the 60% package.

PHASE V | CONSTRUCTION DOCUMENTS SERVICES

- CPH will incorporate comments obtained from the City's review, the public involvement process, our internal review and regulatory agencies into the project design to finalize the construction drawings.
- CPH will refine the design and the Project Status Report will be revised to include progress of the project and delineate issues of concern, and decisions that need to be made.
- The cost estimate will be updated and revised to reflect changes to the plan.
- A permitting package will be prepared and sent to all of the regulatory agencies. Meetings will be conducted with the regulatory agencies and their comments will be addressed and incorporated into the drawings.
- 90% construction drawings, specifications and cost estimate, will be submitted to the City for a second review.
- Upon approval of the 90% per construction documents and receipt of the comments from the City, the public, our internal review and the regulatory agencies, the 100% construction documents will be finalized and submitted to the City for bidding.
- The cost estimate will be updated based on unit price bid quantities.

PHASE VI | BIDDING SERVICES

- CPH will assist the City in preparing bid advertisements and packages.
- CPH will provide the City with the interpretation of the intent of the construction documents throughout the bidding process. All responses to questions will be recorded in writing and distributed to the City and prospective bidders.
- During the bid process, if requested by the City, a pre-bid meeting will be conducted with prospective bidders to receive questions and comments. CPH will respond to all questions and comments in writing via the issuance of an addendum.
- CPH will revise the bid documents and prepare bid addenda as required.
- CPH will be present for the bid opening and will assist the City in evaluating all bids submitted, including compliance with the construction documents, project budget, ability of the contractor to perform the work, etc.
- Based on the review of the bids and contractor qualifications, CPH will recommend the lowest qualified bidder to the City.

PHASE VII | CONSTRUCTION ADMINISTRATION SERVICES

During construction, CPH can provide construction administration services to represent the City as its Contract Administrator for projects as agreed upon with the City. Specific services typically include:

- The interpretation of drawings and specifications and issuance of instructions to the contractor performing the work.
- The review and approval of contractor's submittals.
- Periodic construction reports, based upon site inspections. Construction observation forms will be completed by the CPH representatives and will be included in the reports. Issues of special concern will be promptly identified, and the Project Manager and the City will be notified. The frequency of inspections will be based on project requirements and determined in the scope of work specific to each project.
- Issue field directives, respond to contractor's request for information (RFI), issue supplementary instructions and clarifications and negotiate change orders as required.
- Review monthly contractor pay requests and supporting data, based on field observation visits, review of test results and contractor's performance and recommend approval or disapproval to the City. Record construction drawings will also be reviewed with pay requests to insure the contractor is keeping up with recording modifications to the drawings.
- Make a substantial completion inspection and develop a punch list of items that the contractor is to complete in order to receive final payment.
- Make a final inspection to ensure the punch list items have been completed to the satisfaction of the City. Upon the successful completion of the punch list items by the contractor, CPH team members will review the final pay request and support data for recommendation to the City.
- CPH will receive the record construction drawings from the contractor and incorporate the information provided into record as-built drawings.
- CPH will conduct a warranty inspection after eleven months from final acceptance of the project, and submit a written report and/or punch list of items needing attention.
- Construction engineering and inspection services (CEI) will be provided as requested by the City.

6. PERSONNEL

KEY PERSONNEL CHART

We have considered multiple criteria prior to assigning the key members listed below. This criteria includes: **LOCAL** knowledge, **RECENT** relevant project experience, **CURRENT** availability and **COMMITMENT** to City of Key West. CPH has the ability to pull from over 290 staff members to assist in design and construction services, including 9 LEED Certified Personnel on staff. Our total level of in-house resources consists of engineers, designers, environmental scientists, contractors, architects, surveyors, planners, GIS analysts, and landscape architects. The chart below identifies our project team and their roles in relation to the City.

ROLE / YEARS OF EXPERIENCE	KEY SKILLS / QUALIFICATIONS	RECENT PROJECT EXPERIENCE	EDUCATION / LICENSES AND CERTIFICATIONS
TODD H. HENDRIX., P.E., CGC PRINCIPAL-IN-CHARGE 24 YEARS	✓ Project Management ✓ Land Development Coordination ✓ Commercial, Industrial, and Residential Site Development ✓ Water and Wastewater Planning and Design ✓ Stormwater Management and Design ✓ Environmental Permitting and Compliance ✓ Project Budgeting, Scheduling, and Quality Control	✓ Monroe County Fire Station – Cudjoe Key ✓ Monroe County – Harry Harris Park Jetty And Wilkinson's Point ✓ Islamorada Village Wide Wastewater System, Design, Build, Operate (DBO) ✓ City of Miramar – Huntington Wellfield and Raw Water Main ✓ Miami Shores Village Central Business District Low Pressure Sewer System (LPSS) and Water Main Improvements	• M.S. in Environmental Engineering, Florida International University • B.S. in Biological Science, Florida International University • Professional Engineer - FL (No. 66794) • General Contractor License - FL (No. 1518490)
KYLE M. BECHTELHEIMER, P.E. PROGRAM MANAGER 9 YEARS	✓ Project Management ✓ Utilities Engineering ✓ Hydraulic Modeling ✓ Construction Administration ✓ Utility Coordination ✓ Pumping Facilities ✓ Coastal Engineering ✓ Design on Aerial Crossings, Jack and Bores, and Directional Drills	✓ FCAA - Cross Key Wastewater Treatment Plant (WWTP) ✓ Islamorada, Village Of Islands – Fire Stations MTS ✓ Islamorada, Village Of Islands – Vacuum Pump Station MTS And Flood Proofing ✓ City of Coconut Creek – Vinkemulder Rd. Water and Sewer Improvements ✓ Raw Water Supply Line and 30" Force Main Relocation - Pembroke Pines ✓ City of Miramar – Huntington Wellfield and Raw Water Main ✓ Monroe County – Harry Harris Park Jetty And Wilkinson's Point	• B.S. in Environmental Engineering, University of Central Florida • Professional Engineer - FL (No. PE86673)
CHRISTOPHER DEWAAL, P.E., LEED AP MECHANICAL/ELECTRICAL/PLUMBING ENGINEER 28 YEARS	✓ Project Management ✓ Electrical Design ✓ Electrical study ✓ Substation and distribution line design and equipment specifications ✓ SCADA/instrumentation and controls	✓ Melching Field Stadium Renovations – Design Criteria Package ✓ Islamorada, Village Of Islands – Fire Stations MTS ✓ Islamorada, Village Of Islands – Vacuum Pump Station MTS And Flood Proofing	• M.E.M. in Engineering Management, Kansas State University • M.S. in Electrical Engineering, Kansas State University • B.S. in Electrical Engineering, Michigan Technological University • Professional Engineer - FL (No. 58964) • LEED Accredited Professional
GREGORY D. TAYLOR, M.S.E.E., P.E. MECHANICAL/ELECTRICAL/PLUMBING ENGINEER 37 YEARS	✓ Low-Voltage Systems ✓ Electrical Design for Offices, Schools & Industrial Facilities ✓ Emergency Power Systems ✓ Lightning Protection Systems ✓ Design of Photovoltaic Systems ✓ Design of SCADA Systems ✓ Fire Alarm Systems ✓ CCTV Cameras & Video Equipment ✓ Intercom, Audio-Visual & Voice/Data Systems	✓ Monroe County Fire Station – Cudjoe Key ✓ Joe Moody Park ✓ US 17/92 Riverwalk, Phase III (FDOT LAP) ✓ Cape Coral SE 47th Terrace Streetscape Improvements ✓ W. Central Blvd. Sanitary Sewer Replacement and Streetscape Design/Build	• M.S. in Electrical Engineering, Mercer University • B.S. in Electrical Engineering, Georgia Institute of Technology • Professional Engineer - MI (No. 25602), FL (No. 77811)
ALEXANDER E. ZVONARYOV, P.E. MECHANICAL/ELECTRICAL/PLUMBING ENGINEER 36 YEARS	✓ Project Management ✓ Lighting ✓ Power Distribution ✓ Fire Alarm ✓ Emergency ✓ Grounding ✓ Lightning Protection ✓ Communications and Systems Design	✓ Monroe County Fire Station – Cudjoe Key ✓ Orlando Sanford International Airport Terminal Expansion ✓ BN Headquarters Building, Transient Training Design Snake Creek	• B.S. Electrical Engineering • Project Engineer - FL (No. 60953) • EDSA Certified Training Program Power Systems Analysis and Simulation

ROLE / YEARS OF EXPERIENCE	KEY SKILLS / QUALIFICATIONS	RECENT PROJECT EXPERIENCE	EDUCATION / LICENSES AND CERTIFICATIONS
JOSE M. ORTIZ, MCE, P.E., S.E. STRUCTURAL ENGINEER 25 YEARS	✓ Structural Concrete, Steel, and Timber Design ✓ Seismic/Wind Engineering ✓ Construction Inspection/Supervision ✓ Gravity Walls ✓ Seawalls ✓ Signage/Gateways ✓ Fall Protection ✓ Failure Analysis & Post Disaster Assessment ✓ Structural Evaluation and Retrofitting	✓ FCAA - Cross Key Wastewater Treatment Plant (WWTP) ✓ Monroe County Fire Station – Cudjoe Key ✓ Islamorada Village Wide Wastewater System, Design, Build, Operate (DBO) ✓ Cape Coral SE 47th Terrace Streetscape Improvements	• M.E. in Structural Engineering, Cornell University • B.S. in Civil Engineering, Recinto Universitario de Mayaguez, UPR • Professional Engineer - FL (No. 67920), PR (No. 17212)
EDUARDO AVILES, P.E. STRUCTURAL ENGINEER 8 YEARS	✓ Signage/Gateways ✓ Failure Analysis & Post Disaster Assessment ✓ Structural Concrete, Steel, and Timber Design ✓ Structural Evaluation and Retrofitting ✓ Seismic/Wind Engineering ✓ Construction Inspection/Supervision ✓ Gravity Walls ✓ Seawalls	✓ Monroe County Fire Station – Cudjoe Key ✓ Monroe County – Marathon Tax Collector Seawall ✓ Miramar’s Regional Park - 9/11 Memorial ✓ City of Largo – Advanced Wastewater Treatment Facility (AWWTF) Biological Treatment Improvements Design-Build Project	• M.S. in Structural Engineering, University of Puerto Rico • B.S. in Civil Engineering, University of Puerto Rico • B.S. in Land Surveying, University of Puerto Rico • Professional Engineer - FL (No. 85877)
DEOLINDA TILUS, E.I. STRUCTURAL ENGINEER 5 YEARS	✓ CAD Drafter ✓ Revit Drafter ✓ Experience using RISA & Tedds calculation software ✓ Performed calculations for both in office and submittal for 4 years.	✓ US 17/92 Riverwalk, Phase III (FDOT LAP) ✓ Monroe County Fire Station – Cudjoe Key ✓ Orlando Sanford International Airport Terminal Expansion ✓ BN Headquarters Building, Transient Training Design Snake Creek	• B.S.C.E - Bachelor of Civil Engineering • Engineering Intern - E.I.
ANGEL FIGUEROA, P.E. STRUCTURAL ENGINEER 10 YEARS	✓ CADD Design ✓ 3D Modeling ✓ Photoshop ✓ Sketchup ✓ Revit ✓ MATLAB ✓ ETABS ✓ Retail	✓ Orlando Sanford International Airport Terminal Expansion ✓ Orlando - Sanford International Airport FIS Project (FIS @ OSIA) ✓ US 17/92 Riverwalk, Phase III (FDOT LAP) ✓ Miami Shores Village Central Business District Low Pressure Sewer System (LPSS) and Water Main Improvements	• M.A. in Architecture, University of Puerto Rico • M.S. in Structural Engineering, University of Puerto Rico • B.S. in Civil Engineering, San Juan, PR • Professional Engineer - FL (No. 85016)
KURT R. LUMAN, JR., P.E. TRANSPORTATION/TRAILS 23 YEARS	✓ Project Management ✓ Roadway paving, widening, extensions, new roads; as well as turn lane additions and traffic upgrades ✓ FDOT guidelines and FDOT LAP ✓ Trails and Shared-Use Paths ✓ Signing and Pavement Parking ✓ Maintenance of Traffic Plans ✓ Streetscapes ✓ Public Involvement ✓ Permitting ✓ Drainage/Flood Plain	✓ Ocoee Downtown Streets Redevelopment ✓ Bluford Avenue Streetscape, Phase II ✓ US 17-92 Riverwalk, Phase II-III (FDOT LAP) ✓ Islamorada Village Wide Wastewater System, Design, Build, Operate (DBO) ✓ Miami Shores Village Central Business District Low Pressure Sewer System (LPSS) and Water Main Improvements ✓ Cape Coral SE 47th Terrace Streetscape Improvements	• B.S. in Civil Engineering, University of Central Florida • Professional Engineer - FL (No. 65036) • Advance Maintenance of Traffic, FDOT, Critical Structures Construction Issues Course

ROLE / YEARS OF EXPERIENCE	KEY SKILLS / QUALIFICATIONS	RECENT PROJECT EXPERIENCE	EDUCATION / LICENSES AND CERTIFICATIONS
MATTHEW CUSHMAN, P.E. TRANSPORTATION/TRAILS 17 YEARS	✓ Trails and Shared-Use Paths ✓ Roadway Paving ✓ Roadway Widening ✓ Extensions ✓ New Roads ✓ Turn Lane Additions and Traffic Upgrades ✓ FDOT Guidelines and FDOT LAP ✓ Permitting ✓ Public Involvement	✓ Cape Coral Se 47th Terrace Streetscape Improvements ✓ Honeymoon Island Trail (FDOT LAP) ✓ US 17-92 Riverwalk, Phase II-III (FDOT LAP) ✓ Islamorada Village Wide Wastewater System, Design, Build, Operate (DBO) ✓ SIPOC Stormwater	• B.S. in Aerospace Engineering, Embry-Riddle Aeronautical College • Professional Engineer, FL (No. 73150) • Advanced Maintenance of Traffic • Traffic Signal Inspector Level I, IMSA Certified - FL
JOSEPH M. LOFASO, JR., P.E. TRANSPORTATION/TRAILS 8 YEARS	✓ Roadway paving, widening, extensions, new roads; turn lane additions and ✓ traffic upgrades ✓ Trails and Shared-Use Paths ✓ Maintenance of Traffic Plans ✓ Streetscapes ✓ Drainage/Flood Plain	✓ Cape Coral Se 47th Terrace Streetscape Improvements ✓ Florida Coast To Coast Trailhead At Parrish Park ✓ Ocoee Downtown Streets Redevelopment ✓ W. Central Blvd. Roadway Reconstruction, Streetscape, and Sanitary Sewer ✓ Replacement Design/Build ✓ Otter Run WTP Renewal and Replacement MOT Plans	• M.S. in Civil Engineering, University of Central Florida • B.S. in Civil Engineering, University of Central Florida • Professional Engineer - FL (No. 88718) • FDOT AMOT No. 6082 • FDEP Stormwater Inspector No. 32531
JEREMY C. MORTON, P.E. STORMWATER 15 YEARS	✓ Expert in site planning, design, permitting, stormwater, and transportation improvements ✓ Established relationships with key municipal agencies in the County ✓ Thorough understanding of performing services through continuing contracts ✓ Managed small to large improvement programs	✓ Leesburg Aquatic Complex ✓ Seminole County US 17/92 CRA Stormwater Master Plan ✓ Georgetown Drainage Improvements	• B.S. in Civil Engineering, University of Florida • Professional Engineer - FL (No. 75410)
H. LARRY WRAY, P.E. STORMWATER 26 YEARS	✓ Project Management ✓ Stormwater ✓ Retail / Office planning ✓ Apartments ✓ Financial Institutions ✓ Industrial/Warehouse Facilities ✓ Restaurant Design ✓ Education ✓ Parks	✓ Georgetown Drainage Improvements ✓ Cloud Branch Drainage Improvements (Phase 1- Phase 3) ✓ Pump Branch Stormwater Master Plan ✓ Drainage Analysis for SR 44 and Florida Avenue ✓ Seminole County US17/92 CRA Stormwater Master Plan	• M.S. in Water Resources Engineering, University of Central Florida • B.S. in Environmental Engineering, University of Central Florida • Professional Engineer - FL (No. 55557) • Qualified Stormwater Management Inspector
DAVID E. MAHLER, P.E. UTILITIES 32 YEARS	✓ Large Diameter Pressurized Pipeline Design in Urbanized Areas ✓ Utility System Relocations, including several projects due to FDOT roadway widening ✓ Water Supply, Treatment, Pumping, Storage and Distribution ✓ Wastewater Collection, Treatment and Pumping ✓ Reclaimed Water Storage, Pumping and Distribution ✓ Utility Systems Hydraulic Modeling	✓ City Of Largo – Advanced Wastewater Treatment Facility (AWWTF) Biological Treatment Improvements Design-Build Project ✓ Islamorada Village Wide Wastewater System, Design, Build, Operate (DBO) ✓ Northern Forcemain And Southern Forcemain Project/Key Largo Wastewater Treatment District ✓ SSA-ESA 36" Water Main And 24" Reclaimed Water Main & J. Lawson Repump Station Project ✓ Sandalhaven Master Lift Station	• B.S. in Environmental Engineering, University of Central Florida • Professional Engineer - FL (No. 50041)

ROLE / YEARS OF EXPERIENCE	KEY SKILLS / QUALIFICATIONS	RECENT PROJECT EXPERIENCE	EDUCATION / LICENSES AND CERTIFICATIONS
JAMES R. MORRIS, JR., P.E. UTILITIES 23 YEARS	✓ Project Manager and Engineer for Multiple Large Diameter Pressurized Pipelines in Urban Areas ✓ Utility Relocations ✓ Water, Reclaimed Water, and Wastewater Transmission Systems Design ✓ Construction Administration ✓ Utility Coordination ✓ Pumping Facilities ✓ Plan and Specification Preparation ✓ Design on Aerial Crossings, Jack and Bores, and Directional Drills	✓ Simpson Road 30" Water Main Project ✓ Islamorada Village Wide Wastewater System, Design, Build, Operate (DBO) ✓ SSA-ESA 36" Water Main And 24" Reclaimed Water Main & J. Lawson Repump Station Project ✓ Northern Forcemain And Southern Forcemain Project/Key Largo Wastewater Treatment District ✓ Miami Shores Village Central Business District Low Pressure Sewer System (LPSS) and Water Main Improvements	• B.S. in Environmental Engineering, University of Central Florida • Professional Engineer - FL (No. 62384) • Commercial Pilot License (No. 266577109)
DEVIN BARRS, P.E. TRAFFIC 19 YEARS	✓ Project Management ✓ Roadway Design ✓ Land Development ✓ Stormwater Management Systems ✓ Permitting ✓ Water and Wastewater Utility Design ✓ Utility Coordination ✓ Bidding and Construction Administration	✓ Melbourne Misc. Design Contract For Lap Projects – Pineapple Avenue, Country Club Rd, And Front Street ✓ Preliminary Engineering Report (PER) Westshore Area Roadway Improvements ✓ W. Central Blvd. Roadway Reconstruction, Streetscape, And Sanitary Sewer Replacement Design/Build	• B.S. in Civil Engineering, University of South Florida • Professional Engineer - FL (No. 70588) • Qualified Stormwater Management Inspector
SANDRA L. GORMAN, P.E. TRAFFIC 29 YEARS	✓ Transportation Studies ✓ Traffic Studies ✓ Access Management ✓ Traffic Calming ✓ Data Collection ✓ Data Analysis ✓ Synchro/Sim Traffic Modeling	✓ Melbourne Misc. Design Contract For Lap Projects – Pineapple Avenue, Country Club Rd, And Front Street ✓ Preliminary Engineering Report (PER) Westshore Area Roadway Improvements ✓ W. Central Blvd. Roadway Reconstruction, Streetscape, And Sanitary Sewer Replacement Design/Build ✓ Cape Coral SE 47th Terrace Streetscape Improvements	• M.C.E. in Civil Engineering, University of South Florida • B.S. in Civil Engineering, University of South Florida • Professional Engineer - FL (No. 59530)

CPH has extensive experience providing continuing contract services for engineering, architecture, water/wastewater/utility services, stormwater, landscape architecture, structural, transportation, planning, site development review, survey, GIS, MEP, environmental and construction administration services. We have worked with many of our clients for 35+ years. These long term relationships have afforded us many opportunities to meet our client's needs and perform municipal engineering services. Over the years, as their population increased, regulations changes, or needs changed, CPH acted as their continuing design firm providing planning for improvements, design, funding assistance, and construction administration. In addition, CPH has been able to assist when the workload at the City departments exceeded their capability to complete reviews in a timely fashion. The team has extensive experience in working under continuing contracts and is available for planned projects as well as un-planned emergencies. The following matrix highlights some of CPH recent continuing contracts.

	Utility Engineering	Transportation Engineering	Drainage/Stormwater Engineering	Traffic Engineering	On-site inspections	LEED Consulting/Adaptive Reuse	M/E/P	Civil Engineering	Structural Engineering	Surveying
CITY OF BARTOW			✓				✓	✓	✓	✓
CITY OF LEESBURG	✓	✓	✓	✓	✓		✓	✓	✓	✓
CITY OF MIRAMAR	✓		✓				✓	✓	✓	✓
MONROE COUNTY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PASCO COUNTY	✓	✓	✓	✓			✓	✓	✓	✓
ORLANDO SANFORD AIRPORT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FCAA	✓		✓		✓	✓	✓	✓	✓	✓
VILLAGE OF ISLAMORADA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CITY OF SANFORD	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CITY OF PALM COAST	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



TODD H. HENDRIX., P.E., CGC

PRINCIPAL-IN-CHARGE

Years of Experience: 24

Education:

M.S. in Environmental Engineering, Florida International University

B.S. in Biological Science, Florida International University

Licenses & Certifications:

Professional Engineer - FL (No. 66794)

General Contractor License - FL (No. 1518490)

Key Skills / Qualifications:

- Project Management
- Land Development Coordination
- Commercial, Industrial, and Residential Site Development
- Water and Wastewater Planning and Design
- Stormwater Management and Design
- Environmental Permitting and Compliance
- Project Budgeting, Scheduling, and Quality Control

Overview: Mr. Hendrix serves CPH as Chief Operating Officer of A&E Services and Branch Manager for the Miami Office. He is responsible for overseeing a diverse staff that manages site development for commercial, residential, and municipal projects. Mr. Hendrix joined CPH in 1998. His municipal experience includes project coordination, design, and permitting of various potable water systems, wastewater systems, and stormwater management systems. He has experience in the areas of design and permitting of water supply wells, ground storage and treatment facilities, and high service pumping and distribution systems.

1. MONROE COUNTY FIRE STATION – CUDJOE KEY - CPH provided 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. The overall project included 3 Drive Thru Bays, Native landscape materials requiring minimum irrigation, Work out room, Large kitchen, Outdoor spaces for building users, Roof materials with High Solar Reflectance, Hurricane resistant glazing, door and roof systems, Building insulation with High R- value, Low E glazing system, Site lighting and interior lighting with LED fixtures, HVAC equipment with high efficiency, Water heaters with high efficiency, Construction waste control and recycling, Flood protection, and a Diesel Generator.

2. MONROE COUNTY – HARRY HARRIS PARK JETTY AND WILKINSON'S POINT - The project included study phase, design phase, and construction observation for the repair of two submerged land structures at the Monroe County Harry Harris Park. The two coastal structures were damaged during a Hurricane in 2017. CPH was hired to perform a resilient study to determine the cost and most resilient methods to re-build the two structures. CPH completed wave action modeling and worked with FEMA and the County to secure funding for the project. CPH completed the survey, geotechnical analysis, full design, environmental permitting, and the construction observation for the redevelopment of both structures.

3. ISLAMORADA VILLAGE WIDE WASTEWATER SYSTEM, DESIGN, BUILD, OPERATE (DBO) - CPH's areas of responsibility included the design and permitting of the vacuum collection system. All buildings were designed to withstand hurricane force winds of 150 mph and associated storm surge. The project consisted of 43,957 lf of PVC pipe ranging in size from 4-10-inch. The low pressure force main collection systems for Upper Matecumbe Key and Windley Key incorporated connections for approximately 1,755 (UMK) and 678 (WK) equivalent dwelling units (EDU). The systems provide service along both sides of Overseas Highway using a combination of conventional and trenchless technology. Combined, the project consists of 37,410 lf of HDPE pipe ranging in size from 1 1/4-6-inch. CPH provided a complete system design including plan and profile drawings of each pipe run. CPH conducted system hydraulics calculations using Sewercad. CPH provided limited CEI services for this portion of the project.

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1. FCAA - CROSS KEY WASTEWATER TREATMENT PLANT

(WWTP) - The Cross Key WWTP project is focused on designing a central wastewater collection system for a residential community in the Florida Keys. Multiple septic tanks, as well as several wastewater-holding tanks currently serve cross Key. The wastewater holding tanks are pumped out weekly and hauled out of the Keys to a wastewater treatment plant. The Florida Keys Aqueduct Authority (FCAA) contracted CPH, Inc. to complete an assessment of the existing sanitary sewer flows within the area, and to propose feasible solutions to treat the wastewater flow.

2. ISLAMORADA, VILLAGE OF ISLANDS – FIRE STATIONS

MTS - Islamorada, Village of Islands has three Fire Stations with existing generator sets to power each station during power outages or emergency scenarios. These generators have automatic transfer switches but have had issues in the past when major storms knock the generators off-line. The Village was awarded a grant to install Manual Transfer Switches (MTS) with portable generator receptacles at each Fire Station to allow for more operability during emergency scenarios. CPH was contracted to perform the design and permitting of the new MTSs at each Fire Station.

3. ISLAMORADA VILLAGE WIDE WASTEWATER SYSTEM, DESIGN, BUILD, OPERATE (DBO)

- CPH's areas of responsibility included the design and permitting of the vacuum collection system. All buildings were designed to withstand hurricane force winds of 150 mph and associated storm surge. The project consisted of 43,957 lf of PVC pipe ranging in size from 4-10-inch. The low pressure force main collection systems for Upper Matecumbe Key and Windley Key incorporated connections for approximately 1,755 (UMK) and 678 (WK) equivalent dwelling units (EDU). The systems provide service along both sides of Overseas Highway using a combination of conventional and trenchless technology. Combined, the project consists of 37,410 lf of HDPE pipe ranging in size from 1 1/4-6-inch. CPH provided a complete system design including plan and profile drawings of each pipe run. CPH conducted system hydraulics calculations using Sewercad. CPH provided limited CEI services for this portion of the project.



KYLE M. BECHTELHEIMER, P.E.

PROGRAM MANAGER

Years of Experience: 8

Education:

B.S. in Environmental Engineering, University of Central Florida

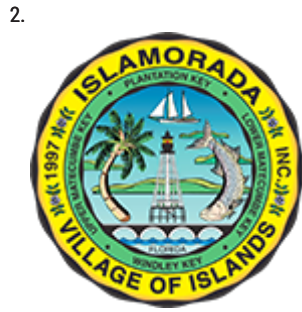
Licenses & Certifications:

Professional Engineer - FL (No. PE86673)

Key Skills / Qualifications:

- Project Management
- Utilities Engineering
- Hydraulic Modeling
- Construction Administration
- Utility Coordination
- Pumping Facilities
- Coastal Engineering
- Design on Aerial Crossings, Jack and Bores, and Directional Drills

Overview: Mr. Bechtelheimer serves CPH as a project engineer with more than 8 years of experience specializing in land development, project management and utilities engineering.



CHRISTOPHER DEWAAL, P.E., LEED AP
**MECHANICAL/ELECTRICAL/PLUMBING
ENGINEER**

Years of Experience: 28

Education:

M.E.M. in Engineering Management, Kansas State University
M.S. in Electrical Engineering, Kansas State University
B.S. in Electrical Engineering, Michigan Technological University

Licenses & Certifications:

Professional Engineer - FL (No. 58964)
LEED Accredited Professional

Key Skills / Qualifications:

- Project Management
- Electrical Design
- Electrical study
- Substation and distribution line design and equipment specifications
- SCADA/instrumentation and controls

Overview: Mr. DeWaal has strong experience in the design and development of electrical power distribution systems in commercial, industrial, institutional and utility settings. Most recently his experience has been managing multi-disciplinary engineering / architecture personnel, managing electrical and multi-disciplinary projects from \$50k remodels to \$100M+ greenfield construction. His strengths include strong communication skills with technical staff, construction contractors and owner's representatives. He has a vast knowledge of electrical and safety compliance policies and studies, personnel management and project management.

1. MELCHING FIELD STADIUM RENOVATIONS – DESIGN

CRITERIA PACKAGE - CPH was selected to provide professional services for the creation of the Design Build Criteria Package for the Melching Field Stadium Renovations. CPH's scope for the Design Build Criteria Package will include a report detailing ADA deficiencies, structural analysis of the existing of the bleacher deck, design/build contract requirements, design development drawings and performance specifications. CPH's services for this project include Architectural, Civil, Surveying, Structural, Mechanical, Electrical, Plumbing, Fire Protection and Landscape Architecture. Upon completion of the D/B Package, CPH will also assist the owners with delivering this information to the final Design/Build team.

2. ISLAMORADA, VILLAGE OF ISLANDS – FIRE STATIONS

MTS - Islamorada, Village of Islands has three Fire Stations with existing generator sets to power each station during power outages or emergency scenarios. These generators have automatic transfer switches but have had issues in the past when major storms knock the generators off-line. The Village was awarded a grant to install Manual Transfer Switches (MTS) with portable generator receptacles at each Fire Station to allow for more operability during emergency scenarios. CPH was contracted to perform the design and permitting of the new MTSS at each Fire Station.

3. ISLAMORADA, VILLAGE OF ISLANDS – VACUUM PUMP

STATION MTS AND FLOOD PROOFING - Islamorada, Village of Islands has six sanitary sewer Vacuum Pump Stations with existing generator sets to power each station during power outages or emergency scenarios. These generators have automatic transfer switches but have had issues in the past when major storms knock the generators off-line. The Village was awarded a grant to install Manual Transfer Switches (MTS) with portable generator receptacles at each pump station to allow for more operability during emergency scenarios, along with installing flood protection measures at each station. CPH was contracted to perform the design and permitting of the new MTSS at each Vacuum Pump Stations and design of the flood proofing for each building.



JOSE M. ORTIZ, MCE, P.E., S.E.

STRUCTURAL ENGINEER

Years of Experience: 25

Education:

M.E. in Structural Engineering, Cornell University
B.S. in Civil Engineering, Recinto Universitario de Mayaguez, UPR

Licenses & Certifications:

Professional Engineer - FL (No. 67920)
PR (No. 17212)

Key Skills / Qualifications:

- Structural Concrete, Steel, and Timber Design
- Seismic/Wind Engineering
- Construction Inspection/Supervision
- Gravity Walls
- Seawalls
- Signage/Gateways
- Fall Protection
- Failure Analysis & Post Disaster Assessment
- Structural Evaluation and Retrofitting

Overview: José has over 25 years of experience in structural engineering design and project management. His experience encompasses projects of all types and complexities including commercial/retail, hospitals, educational facilities, recreational facilities, hotels/resorts, parking structures, residential, and multi-story office buildings. The depth of his technical understanding of systems and codes allows him to work with architectural / engineering teams to deliver cost-effective structural solutions to meet project goals.

1. FKA - CROSS KEY WASTEWATER TREATMENT PLANT

(WWTP) - The Cross Key WWTP project is focused on designing a central wastewater collection system for a residential community in the Florida Keys. Multiple septic tanks, as well as several wastewater-holding tanks currently serve cross Key. The wastewater holding tanks are pumped out weekly and hauled out of the Keys to a wastewater treatment plant. The Florida Keys Aqueduct Authority (FKA) contracted CPH, Inc. to complete an assessment of the existing sanitary sewer flows within the area, and to propose feasible solutions to treat the wastewater flow.

2. MONROE COUNTY FIRE STATION - CUDJOE KEY - CPH provided 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. The overall project included 3 Drive Thru Bays, Native landscape materials requiring minimum irrigation, Work out room, Large kitchen, Outdoor spaces for building users, Roof materials with High Solar Reflectance, Hurricane resistant glazing, door and roof systems, Building insulation with High R- value, Low E glazing system, Site lighting and interior lighting with LED fixtures, HVAC equipment with high efficiency, Water heaters with high efficiency, Construction waste control and recycling, Flood protection, and a Diesel Generator.

3. ISLAMORADA VILLAGE WIDE WASTEWATER SYSTEM, DESIGN, BUILD, OPERATE (DBO)

- CPH's areas of responsibility included the design and permitting of the vacuum collection system. All buildings were designed to withstand hurricane force winds of 150 mph and associated storm surge. The project consisted of 43,957 lf of PVC pipe ranging in size from 4-10-inch. The low pressure force main collection systems for Upper Matecumbe Key and Windley Key incorporated connections for approximately 1,755 (UMK) and 678 (WK) equivalent dwelling units (EDU). The systems provide service along both sides of Overseas Highway using a combination of conventional and trenchless technology. Combined, the project consists of 37,410 lf of HDPE pipe ranging in size from 1 1/4-6-inch. CPH provided a complete system design including plan and profile drawings of each pipe run. CPH conducted system hydraulics calculations using Sewercad. CPH provided limited CEI services for this portion of the project.

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DAVID E. MAHLER, P.E.

UTILITIES ENGINEER

Years of Experience: 32

Education:

B.S. in Environmental Engineering, University of Central Florida

Licenses & Certifications:

Professional Engineer - FL (No. 50041)

Key Skills / Qualifications:

- Large Diameter Pressurized Pipeline Design in Urbanized Areas
- Utility System Relocations, including several projects due to FDOT roadway widening
- Water Supply, Treatment, Pumping, Storage and Distribution
- Wastewater Collection, Treatment and Pumping
- Reclaimed Water Storage, Pumping and Distribution
- Utility Systems Hydraulic Modeling

Overview: Mr. Mahler serves CPH as Chief Operations Officer and Branch Manager of the Orlando Office. He is a Principal for municipal and private clients. Mr. Mahler has been involved with numerous utility system installation, rehabilitation, and relocation projects for both municipal and private clients. He has also been involved with the evaluation of utility systems from small service lines to major collection and transmission systems. In addition, he specializes in relocation of existing utilities associated with roadway projects. He has also been involved with land development and roadway design and permitting for private clients.

1. CITY OF LARGO – ADVANCED WASTEWATER TREATMENT FACILITY (AWWTF) BIOLOGICAL TREATMENT IMPROVEMENTS DESIGN-BUILD PROJECT

- CPH and Kiewit Infrastructure South were awarded the design/build contract for BNR and facility improvements at the City of Largo's 18 MGD WRF (\$53 million). The main design objective was to reduce the nutrient concentrations in the facility's discharge to Feather Sound (Tampa Bay Nitrogen Management Consortium). Improvements at the facility included the following: Primary clarification system rehab and reconfiguration; conversion of three 6.0 MGD treatment trains to BNR; new secondary clarification splitting system; rehabilitation of six secondary clarifiers; new filter feed pump station; rehab and reconfiguration of the deep-bed denite filters; CCC modifications; effluent pump station improvements; electrical, instrumentation and control system improvements; and new facility buildings.

2. ISLAMORADA VILLAGE WIDE WASTEWATER SYSTEM, DESIGN, BUILD, OPERATE (DBO)

- CPH's areas of responsibility included the design and permitting of the vacuum collection system. All buildings were designed to withstand hurricane force winds of 150 mph and associated storm surge. The project consisted of 43,957 lf of PVC pipe ranging in size from 4-10-inch. The low pressure force main collection systems for Upper Matecumbe Key and Windley Key incorporated connections for approximately 1,755 (UMK) and 678 (WK) equivalent dwelling units (EDU). The systems provide service along both sides of Overseas Highway using a combination of conventional and trenchless technology. Combined, the project consists of 37,410 lf of HDPE pipe ranging in size from 1 1/4-6-inch. CPH provided a complete system design including plan and profile drawings of each pipe run. CPH conducted system hydraulics calculations using Sewercad. CPH provided limited CEI services for this portion of the project.

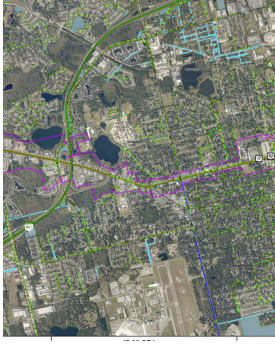
3. NORTHERN FORCEMAIN AND SOUTHERN FORCEMAIN PROJECT/KEY LARGO WASTEWATER TREATMENT DISTRICT

- CPH provided design services for the Northern and Southern Forcemain from MM 92 +/- to MM 106 +/- . The original design was for all piping to be PVC except for the directional drills (HDPE) and the aerial bridge crossing that was ductile iron. The project consisted of 4,503 lf of 4-inch PVC, 4,156 lf of 6-inch PVC, 19,846 lf of 8-inch PVC, 11,750 lf of 10-inch PVC, 573 lf of 10-inch HDPE (slipline), 13,198 lf of 12-inch HDPE (slipline), 6,231 lf of 14-inch HDPE (slipline), 9,825 lf of 16 -inch PVC, and 11,085 lf of 18-inch HDPE (slipline) forcemain.

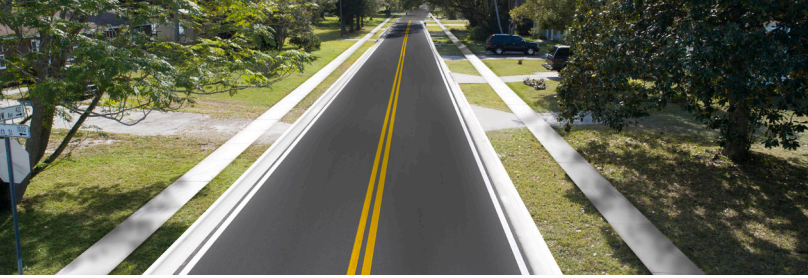
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JEREMY C. MORTON, P.E.

STORMWATER ENGINEER

Years of Experience: 15

Education:

B.S. in Civil Engineering, University of Florida

Licenses & Certifications:

Professional Engineer - FL (No. 75410)

Key Skills / Qualifications:

- Expert in site planning, design, permitting, stormwater, and transportation improvements
- Established relationships with key municipal agencies in the County
- Thorough understanding of performing services through continuing contracts
- Managed small to large improvement programs

Overview: Mr. Morton serves the firm of CPH as a Project Engineer. He has worked for CPH since 2007. Since joining CPH, he has worked in every area of land development, with an emphasis on stormwater, utilities, and general site development. Mr. Morton has been working with a variety of land development clients, gaining valuable experience in project development and permitting at the municipal level, while developing those skills in utility, storm, and site design that are needed in his capacity as Project Engineer.

1. LEESBURG AQUATIC COMPLEX - CPH is providing planning, design, and permitting for the development of a regional aquatic facility. The facility will include an eight (8) lane competition facility designed to USA Swimming standards for high school competitions. The facility will also include a recreational pool with interactive play features, zero entry and a "free" swim area that can be utilized for swim education. Along with the recreational pool will be a water slide, shaded areas for party rentals, and shower facilities. The complex will include an entry/ticket building, concession building, changing/locker facilities, and mechanical/equipment areas.

2. SEMINOLE COUNTY US17/92 CRA STORMWATER MASTER PLAN - 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. The collected information was used in conjunction with review of existing infrastructure and development trends to support creation of proposed projects that could encourage future redevelopment of parcels along the corridor.

3. GEORGETOWN DRAINAGE IMPROVEMENTS - Multiphase Stormwater Infrastructure Project in Downtown Sanford. Rural to Urban Conversion of 2.5 Miles of City Streets with sidewalks. Stormwater Infrastructure including pipes up to 72". Community Outreach to the over 100 affected property owners.



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

TRANSPORTATION/TRAILS ENGINEER

Years of Experience: 23

Education:

B.S. in Civil Engineering, University of Central Florida

Licenses & Certifications:

Professional Engineer - FL (No. 65036)
Advance Maintenance of Traffic, FDOT, Critical Structures Construction Issues Course

Key Skills / Qualifications:

- Project Management
- Roadway paving, widening, extensions, new roads; as well as turn lane additions and traffic upgrades
- FDOT guidelines and FDOT LAP
- Trails and Shared-Use Paths
- Signing and Pavement Parking
- Maintenance of Traffic Plans
- Streetscapes
- Public Involvement
- Permitting
- Drainage/Flood Plain

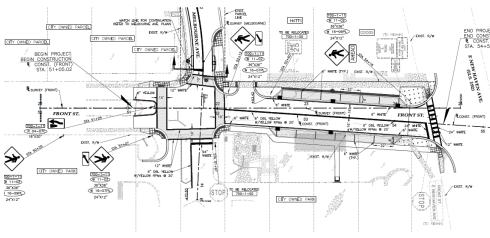
Overview: Mr. Luman serves the firm of CPH in the capacity of Sr. Vice President and Transportation Division Director. He is responsible for managing, engineering, and designing roadway, traffic, and trail projects, including geometric design, stormwater management systems, traffic intersections, and traffic control plans. Mr. Luman is also responsible for the preparation and processing of permits through various regulatory agencies including FDOT Local Agency Program (LAP) projects. In addition to highway and traffic design he has experience in preparing stormwater pollution prevention plans, construction estimates and site inspections.

1. OCOEE DOWNTOWN STREETS REDEVELOPMENT - CPH was selected to perform professional civil engineering and landscape architecture to design four local streets associated with the City of Ocoee Downtown Redevelopment. The Oakland Avenue project consists of a complete reconstruction to develop a two-lane divided roadway, with a multi-use trail in the median, parallel parking, and wide sidewalks. The Taylor Street project includes a multi-use trail along the east side, connecting to the Oakland Avenue multi-use trail. Taylor Street also includes two roundabouts which are the gateways into Downtown; one at the Franklin Street intersection, with the other at the McKey Street intersection. Kissimmee Avenue includes realignment to the west to attain proper clearance from the railroad and a new stormwater management pond.

2. BLUFORD AVENUE STREETScape, PHASE II - This portion included a 3,000 ft. long segment of Bluford Ave. in the heart of the City of Ocoee. The project was a joint utility improvement and roadway project and was administered as a "construction management at risk" project. CPH provided roadway and landscape architecture services, contracted as a sub-consultant to BFA, Inc., the City's prime Utility consultant. The project included the reconstruction of the roadway following the completion of the water main, gravity sewer, and reclaimed water main installations.

3. US 17-92 RIVERWALK, PHASE II-III (FDOT LAP) - Phase II - 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. Phase III - CPH provided planning, survey, and design services for a new 1.7 mile, 12 foot wide trail that was part of a multi-phase project funded through a joint partnership with FDOT. 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.



2.



3.



DEVIN BARRS, P.E.

TRAFFIC ENGINEER**Years of Experience:** 19**Education:**

B.S. in Civil Engineering, University of South Florida

Licenses & Certifications:

Professional Engineer - FL (No. 70588)

Qualified Stormwater Management Inspector

Key Skills / Qualifications:

- Project Management
- Roadway Design
- Land Development
- Stormwater Management Systems
- Permitting
- Water and Wastewater Utility Design
- Utility Coordination
- Bidding and Construction Administration

Overview: Mrs. Barrs serves CPH as Project Engineer for the firm's Tampa office. She is responsible for managing, engineering, and design of land development, roadway, and utility projects include including geometric design, stormwater management systems, and utility infrastructure. She is also responsible for the preparation and processing of permits through various regulatory agencies and provides construction administration and management services.

1. MELBOURNE MISC. DESIGN CONTRACT FOR LAP PROJECTS – PINEAPPLE AVENUE, COUNTRY CLUB RD, AND FRONT STREET

- Pineapple Ave. project includes design of new bicycle and pedestrian facilities for approx. 2,600 LF (10-ft.-wide multi-use path / 5-ft. bike lanes / raised crosswalks). Country Club Rd. project includes 2,560 LF of 6-ft. concrete sidewalk along Country Club Road, 850 LF of 5-ft. sidewalk along Melbourne Avenue, and 900 LF of 5-ft. sidewalk along Edgewood Drive (total of 4,310 LF / 0.82miles). Lastly, the Front St. project includes 12-ft.-wide multi-use path, reconstruction of existing sidewalks to 6-ft., 5-ft.-wide bike lanes; new 6-ft. sidewalks on both sides of the roadway.

2. PRELIMINARY ENGINEERING REPORT (PER) WESTSHORE AREA ROADWAY IMPROVEMENTS -

CPH was selected by the City of Tampa to prepare a Preliminary Engineering Report (PER) for North Reo Street and West Cypress Avenue. Proposed typical sections for both roadways will be determined using traffic counts, survey, and environmental considerations. This project will be design in conjunction with FDOT's Tampa Bay Next project.

3. W. CENTRAL BLVD. ROADWAY RECONSTRUCTION, STREETSCAPE, AND SANITARY SEWER REPLACEMENT DESIGN/BUILD -

0.55 Mile Streetscape associated with the Orlando City Soccer MLS Stadium. Complete roadway reconstruction including underlying brick roadway salvaging. Landscape/hardscape design including lighting/electrical design. Upsizing the sanitary sewer from an 8-in. line to a 21-in line. Undergrounding OUC power and communication (including the Duct Bank design). Extensive utility coordination. Coordination with FDOT/SGL to have concurrent maintenance of traffic plans for work within the Ultimate I-4 Construction project. Permitting with FDOT/SGL, SJRWMD, and FDEP.



GREGORY D. TAYLOR, M.S.E.E., P.E.
MECHANICAL/ELECTRICAL/PLUMBING

37 TOTAL YEARS

Mr. Taylor serves CPH as an electrical engineer, and has more than 37 years of experience in power, electronics and low-voltage systems. Greg is well versed in high, medium and low-voltage design and has a broad history of delivering designs suited to building power as well as municipal applications.

PAST PERFORMANCE

Monroe County Fire Station – Cudjoe Key

- CPH provided 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. The overall project included 3 Drive Thru Bays, Native landscape materials requiring minimum irrigation, Work out room, Large kitchen, Outdoor spaces for building users, Roof materials with High Solar Reflectance, Hurricane resistant glazing, door and roof systems, Building insulation with High R- value, Low E glazing system, Site lighting and interior lighting with LED fixtures, HVAC equipment with high efficiency, Water heaters with high efficiency, Construction waste control and recycling, Flood protection, and a Diesel Generator.

Joe Moody Park

- CPH is providing design for reconstruction of a park facility that was damaged due to hurricanes. The new facility will include: 8,000 SF community center building, a restroom building utilizing a Client provided proto-type, walk/jog track, lighting, playgrounds

for ages 2-5 and ages 5-12, landscape and irrigation, tree replacement, hardscape to include benches, trash receptacles, signage, parking improvements, stormwater retention, outdoor fitness areas, redevelopment of the wetland edge including scenic overlook, disk golf course re-establishment, and demolition of the existing boardwalk.

US 17/92 Riverwalk, Phase III (FDOT LAP)

- CPH 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. 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.

EDUCATION / LICENSES

- M.S. in Electrical Engineering, Mercer University
- B.S. in Electrical Engineering, Georgia Institute of Technology
- Professional Engineer - MI (No. 25602), FL (No. 77811)



ALEXANDER E. ZVONARYOV, P.E.
MECHANICAL/ELECTRICAL/PLUMBING

36 TOTAL YEARS

Mr. Alexander Zvonaryov serves CPH as a Electrical Engineering Manager. Providing extensive experience in Electrical Engineering, construction administration, project management

PAST PERFORMANCE

Orlando Sanford International Airport Terminal Expansion

- The project consisted of a 140,000 SF expansion/renovation. Access improvements to the terminal area, and the addition of a new traffic signal. Phasing and Coordination with Terminal Management, Airlines, and Concessionaires. Additional coordination was required with Transportation Security Administration (TSA) on the New Consolidated Screening Area. U.S. Customs and Border Patrol (CBP) for the Federal Inspection Station (FIS) improvements.

Monroe County Fire Station – Cudjoe Key

- CPH provided 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. The overall project included 3 Drive Thru Bays, Native landscape materials requiring minimum irrigation, Work out room, Large kitchen, Outdoor spaces for building users, Roof materials with High Solar Reflectance,

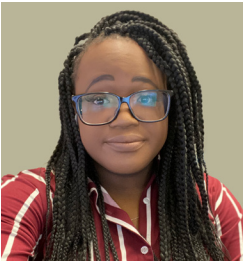
Hurricane resistant glazing, door and roof systems, Building insulation with High R- value, Low E glazing system, Site lighting and interior lighting with LED fixtures, HVAC equipment with high efficiency, Water heaters with high efficiency, Construction waste control and recycling, Flood protection, and a Diesel Generator.

BN Headquarters Building, Transient Training Design Snake Creek

- CPH is contracted by the Department of Military Affairs to provide full Architecture and Engineering design services for a new building that will be approximately 7,669 square feet and will include administrative spaces, classroom, latrine/shower, vending/breakroom, and vault. Other items integral to the facility are sidewalks, detached sign, utilities: electric, potable water, waste water/sewer, and storm water drainage, information systems, exterior fire protection, site improvements, and anti-terrorism/force protection. These facilities will require utilization of construction materials and equipment offering the greatest degree of maintenance-free longevity and operational energy efficiency.

EDUCATION / LICENSES

- B.S. Electrical Engineering
- Project Engineer - FL (No. 60953)
- EDSA Certified Training Program Power Systems Analysis and Simulation



DEOLINDA TILUS, E.I.

STRUCTURAL ENGINEER

5 TOTAL YEARS

Ms. Tilus serves CPH as a Structural Designer. She has acted as Structural Designer for these projects, She has provided structural assistance, and CAD/ Revit drafts.

PAST PERFORMANCE

US 17/92 Riverwalk, Phase III (FDOT LAP)

- 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. 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.

Monroe County Fire Station – Cudjoe Key

- CPH provided 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. The overall project included 3 Drive Thru Bays, Native landscape materials requiring minimum irrigation, Work out room, Large kitchen, Outdoor spaces for building users, Roof materials with High Solar Reflectance, Hurricane resistant glazing, door and roof systems, Building insulation with High R- value, Low E glazing system, Site lighting and interior lighting with LED fixtures, HVAC equipment with high efficiency, Water heaters with high efficiency, Construction waste control and recycling, Flood protection, and a Diesel Generator.

Orlando Sanford International Airport Terminal Expansion

- The project consisted of a 140,000 SF expansion/renovation. Access improvements to the terminal area, and the addition of a new traffic signal. Phasing and Coordination with Terminal Management, Airlines, and Concessionaires. Additional coordination was required with Transportation Security Administration (TSA) on the New Consolidated Screening Area. U.S. Customs and Border Patrol (CBP) for the Federal Inspection Station (FIS) improvements.

EDUCATION / LICENSES

- B.S.C.E - Bachelor of Civil Engineering
- Engineering Intern - E.I.



ANGEL FIGUEROA, P.E.

STRUCTURAL ENGINEER

10 TOTAL YEARS

Mr. Figueroa serves CPH as a structural engineer for the firm's work in the United States and Puerto Rico. He has experience in architecture, structural engineering, and civil engineering.

PAST PERFORMANCE

Orlando Sanford International Airport Terminal Expansion

- The project consisted of a 140,000 SF expansion/renovation. Access improvements to the terminal area, and the addition of a new traffic signal. Phasing and Coordination with Terminal Management, Airlines, and Concessionaires. Additional coordination was required with Transportation Security Administration (TSA) on the New Consolidated Screening Area. U.S. Customs and Border Patrol (CBP) for the Federal Inspection Station (FIS) improvements.

Orlando - Sanford International Airport FIS Project (FIS @ OSIA)

- CPH was selected to perform the design services for the renovation of the existing Customs and Border Protection Federal Inspection Station at the Orlando Sanford International Airport. This renovation include the modifications to the existing facility to support up to 900 passengers per hour through the FIS. This

67,000 SF renovation includes new office suite, detention suite, primary screening, and secondary screening as well as agricultural inspections areas.

US 17/92 Riverwalk, Phase III (FDOT LAP)

- CPH 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. 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.

EDUCATION / LICENSES

- M.A. in Architecture, University of Puerto Rico
- M.S. in Structural Engineering, University of Puerto Rico
- B.S. in Civil Engineering, San Juan, PR
- Professional Engineer - FL (No. 85016)



EDUARDO AVILES, P.E.
STRUCTURAL ENGINEER

8 TOTAL YEARS

Mr. Aviles serves as CPH's Structural Designer for the firm's work in the United States and Puerto Rico. He has experience in Structural Engineering, Civil Engineering, and Land Surveying.

PAST PERFORMANCE

Monroe County – Marathon Tax Collector Seawall

- The Monroe County Marathon Branch Tax Collector's office received heavy damage during Hurricane Irma in 2017, which undermined its foundations. The Tax Collector's office, along with the Sheriff's office, is located immediately adjacent to a canal in Marathon, Florida. The County requested FEMA funding to repair the Tax Collector's office and to design canal improvements to protect against future hurricane surges. The County contracted with CPH for analysis and design of a new seawall along the canal adjacent to their critical operations buildings. CPH completed survey, geotechnical study, wetland delineation and designed 200 LF of sheet pile sea wall, including wetland and mangrove mitigation plans, and is currently in the process of permitting the proposed design. Construction is set to begin in early 2023.

Monroe County Fire Station – Cudjoe Key

- CPH provided 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. The overall project included 3 Drive Thru Bays, Native landscape materials requiring minimum irrigation, Work out room, Large kitchen, Outdoor spaces for building users, Roof materials with High Solar Reflectance, Hurricane resistant glazing, door and roof systems, Building insulation with High R- value, Low E glazing system, Site lighting and interior lighting with LED fixtures, HVAC equipment with high efficiency, Water heaters with high efficiency, Construction waste control and recycling, Flood protection, and a Diesel Generator.

Miramar's Regional Park - 9/11 Memorial

- CPH was recently awarded a contract with the City of Miramar to perform professional design consulting services for the 9/11 Memorial at Regional Park. CPH also anticipates providing Architectural, Landscape Architecture, MEP, Civil, and Wayfinding/ Signage services.

EDUCATION / LICENSES

- M.S. in Structural Engineering, University of Puerto Rico

- B.S. in Civil Engineering, University of Puerto Rico
- B.S. in Land Surveying, University of Puerto Rico
- Professional Engineer - FL (No. 85877)



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

10 TOTAL YEARS

Mr. Morris serves CPH as a Sr. Project Manager in our Environmental Engineering Department, and has experience with water and wastewater transmission systems, wastewater collection systems, and pumping systems in both design and construction administration. His areas of expertise also includes preparation of water and wastewater master plans, writing and organizing technical specifications and project manuals, client management, and utility coordination. Mr. Morris has also assisted clients with obtaining loans and grants.

PAST PERFORMANCE

Northern Forcemain and Southern Forcemain Project/Key Largo Wastewater Treatment District

- CPH provided design services for the Northern and Southern Forcemain from MM 92 +/- to MM 106 +/- . The original design was for all piping to be PVC except for the directional drills (HDPE) and the aerial bridge crossing that was ductile iron. The project consisted of 4,503 lf of 4-inch PVC, 4,156 lf of 6-inch PVC, 19,846 lf of 8-inch PVC, 11,750 lf of 10-inch PVC, 573 lf of 10-inch HDPE (slipline), 13,198 lf of 12-inch HDPE (slipline), 6,231 lf of 14-inch HDPE (slipline), 9,825 lf of 16 -inch PVC, and 11,085 lf of 18-inch HDPE (slipline) forcemain.

SSA-ESA 36" Water Main and 24" Reclaimed Water Main & J. Lawson Repump Station Project

- CPH provided engineering services to OCU for the connection of the Southern Service Area to the Eastern Service Area with the potable water and reclaimed water system and repump station. These services included preliminary design report, final design, MOT design, survey, environmental assessment, geotechnical investigation, bidding, and construction administration. The project

includes the installation of approximately 7 miles of parallel 36-inch potable water main and 24-inch reclaimed water main from J. Lawson Blvd. to Moss Park Rd via a combination of directional drill, jack and bore, and open-cut installation.

Islamorada Village Wide Wastewater System, Design, Build, Operate (DBO)

- CPH's areas of responsibility included the design and permitting of the vacuum collection system. All buildings were designed to withstand hurricane force winds of 150 mph and associated storm surge. The project consisted of 43,957 lf of PVC pipe ranging in size from 4-10-inch. The low pressure force main collection systems for Upper Matecumbe Key and Windley Key incorporated connections for approximately 1,755 (UMK) and 678 (WK) equivalent dwelling units (EDU). The systems provide service along both sides of Overseas Highway using a combination of conventional and trenchless technology. Combined, the project consists of 37,410 lf of HDPE pipe ranging in size from 1 1/4-6-inch. CPH provided a complete system design including plan and profile drawings of each pipe run. CPH conducted system hydraulics calculations using Sewercad. CPH provided limited CEI services for this portion of the project.

EDUCATION / LICENSES

- B.S. in Environmental Engineering, University of Central Florida
- Professional Engineer - FL (No. 62384)

- Commercial Pilot License (No. 266577109)



H. LARRY WRAY, P.E
STORMWATER ENGINEER

26 TOTAL YEARS

Mr. Wray serves CPH as a Project Manager/Vice President. Mr. Wray is responsible for managing complex projects through preliminary design, final design, permitting, and construction administration and inspection. Mr. Wray also has experience in stormwater management, land development projects, recreational facility design, and roadway feature design. He has provided services in these fields to various clients. In conjunction with these projects Mr. Wray has designed various stormwater management systems. These projects have required the extensive use of ADICPR, Hydraflow, and both the Modret and Ponds programs.

PAST PERFORMANCE

Georgetown Drainage Improvements

- Multiphase Stormwater infrastructure project in Downtown Sanford. Rural to urban conversion of 2.5 miles of city streets with sidewalks. Stormwater Infrastructure including pipes up to 72". Community outreach to the over 100 affected property owners.

Cloud Branch Drainage Improvements (Phase 1- Phase 3)

- The Cloud Branch drainage basin is approximately 660 acres located in Sanford. For all phases, CPH provided surveying, environmental, design, permitting, bidding, and construction phase services for the various upgrades along the Cloud Branch drainage channel. CPH services also included preparation of a stormwater facilities plan, request for inclusion package, and other planning and loan documents that the city submitted to FDEP in order to receive a State Revolving Fund (SRF) loan for the overall project.

Pump Branch Stormwater Master Plan

- Basin analysis of over 500 acre basin in 1920's subdivisions. Alternatives analysis with cost estimates and preferred alternative recommendations. Multiphase stormwater infrastructure project in georgetown area. Redirects georgetown area runoff to lake monroe through a new conveyance system. Reduces flow going into pump branch thereby increasing the level of service of the system. Rural to urban conversion of 2.5 miles of city streets with sidewalks.

EDUCATION / LICENSES

- M.S. in Water Resources Engineering, University of Central Florida

- B.S. in Environmental Engineering, University of Central Florida
- Professional Engineer - FL (No. 55557)
- Qualified Stormwater Management Inspector



TYLER FITZGERALD, E.I.
STORMWATER ENGINEER

5 TOTAL YEARS

Mr. Fitzgerald serves CPH as a Project Engineer and is responsible for the design and permitting of various projects throughout Florida. Mr. Fitzgerald has experience in land development and stormwater management projects ranging from design of apartment complexes, residential subdivisions, church campus sites, parking lots, and stormwater infrastructure networks. Mr. Fitzgerald is proficient in numerous design programs including ADICPR, Ponds, WaterCAD, and BMP Trains.

PAST PERFORMANCE

City of Wildwood – Millennium Park Redesign

- Vision and Master Plan Update for 90+ Acre Park to include new amenities and recreational programming as well as optimization for the user experience. 5 and 10 Year Capital Plan Development for Implementation. CPH is working with the City team on the first two (2) phases of the park development. Phases 1 and 2 consist of designing the internal roadway network; parking; trails; softball and soccer fields; covered basketball courts building design (Airtorium); tennis courts; racquetball courts; food truck parking; utility and drainage improvements.

Leesburg Teen Center

- A 10,000 SF addition to an existing recreation center. The Leesburg Teen Center is multi-use facility that houses after school programs for youths ages 5-18. The programs are operated by the Boys & Girls Club of Central Florida and the building includes game rooms, computer labs, art and music spaces, offices, and a food

preparation space. The addition also serves as a re-imaging of the main entry into the existing recreation center. The addition is organized functionally to separate the spaces by age groups with the teens located to the rear of the spaces and the younger children at the front. Both age groups have exterior dining and activity patios to extend the opportunities for learning and engagement beyond the interior confines of the facility.

Georgetown Drainage Improvements

- Multiphase Stormwater infrastructure project in Downtown Sanford. Rural to urban conversion of 2.5 miles of city streets with sidewalks. Stormwater Infrastructure including pipes up to 72". Community outreach to the over 100 affected property owners.

EDUCATION / LICENSES

- B.S. in Civil Engineering, University of Central Florida, 2017

- Engineering Intern No. 1100022736 (E.I.)



MATTHEW CUSHMAN, P.E.
TRANSPORTATION/TRAILS ENGINEER

17 TOTAL YEARS

Mr. Cushman serves the firm of CPH as a Project Engineer. He is responsible for the design and engineering of transportation infrastructure, grading, signalization, drainage, as well as the preparation and processing of permits through statewide regulatory agencies. Prior to working with CPH, he worked as a Traffic Signal Designer and Inspector for the F.D.O.T. District 5 Traffic Operations in Deland, FL. The FDOT position included the design of District 5 transportation systems and the signalization of major state road intersections. Mr. Cushman has designed transportation improvements and throughout the State of Florida.

PAST PERFORMANCE

Cape Coral SE 47th Terrace Streetscape Improvements

- The improvements included sidewalks with pavers, landscaping, road reconstruction, removal of on-street parking to increase the width of the pedestrian area, off-street parking modification, streetlights, traffic analysis and calming including adding a roundabout at one of the busiest intersections, raised mid-block pedestrian crossings, street furniture, ADA improvements, and drainage modifications/upgrades. CPH also designed the utility upgrades/modifications, including a new upsized water main, new force main, and a new reclaimed water main. Design services also included modifications to the City's Club Square, such as added sidewalks, bio-retention swales, entrance feature, ADA improvements, landscaping, and streetlights.

Honeymoon Island Trail (FDOT LAP)

- Responsible for the design of a multi-use path to facilitate park visitors arriving on foot or on bicycles and allow them to travel

within the park more safely. The proposed trail will be constructed at-grade and will consist of a 10-foot wide asphalt path with a flat, 2-foot wide, grass "shoulder" on either side.

US 17/92 Riverwalk, Phase III (FDOT LAP)

- CPH 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. 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.

EDUCATION / LICENSES

- B.S. in Aerospace Engineering, Embry-Riddle Aeronautical College

- Professional Engineer, FL (No. 73150)
- Advanced Maintenance of Traffic
- Traffic Signal Inspector Level I, IMSA Certified - FL



JOSEPH M. LOFASO, JR., P.E.
TRANSPORTATION/TRAILS ENGINEER

29 TOTAL YEARS

Mr. LoFaso serves CPH as a Project Engineer in the Transportation Department. He is responsible for data collection, processing and analysis on our roadway and traffic projects. He excels at design, cost estimation and scheduling. Previous to joining CPH, Mr. LoFaso worked with the City of Orlando in their Transportation Engineering Division as a Signalized Systems Technician. He was responsible for analyzing and interpreting automobile crash data, performing field reviews of existing signalized intersections for compliance with current FDOT and MUTCD criterion, designed and fabricated street signs, and collecting and analyzing traffic data.

PAST PERFORMANCE

Florida Coast to Coast Trailhead at Parrish Park

- LAP funded project with both State and Federal funding sources. Project consists of a one-way drive aisle with parking on one side and a sidewalk on the other. Bollards utilized along the beach side of the drive aisle to prevent vehicles from eroding the beach. Extremely limited space to work with – the parking aisle had to meet offset criteria from the road, trail, and the waterline. High water table and limited space rendered traditional drainage solutions ineffective, thus the use of pervious concrete throughout. High amount of public involvement for a project this size due to the use of Parrish Park for recreation by multiple groups and the potential environmental impacts. Involved coordination with a very large group of government regulatory entities due to the sensitive nature of the Indian River and its ecosystem.

Cape Coral SE 47th Terrace Streetscape Improvements

- The improvements included sidewalks with pavers, landscaping, road reconstruction, removal of on-street parking to increase the width of the pedestrian area, off-street parking modification, streetlights, traffic analysis and calming including adding a

roundabout at one of the busiest intersections, raised mid-block pedestrian crossings, street furniture, ADA improvements, and drainage modifications/upgrades. CPH also designed the utility upgrades/modifications, including a new upsized water main, new force main, and a new reclaimed water main. Design services also included modifications to the City's Club Square, such as added sidewalks, bio-retention swales, entrance feature, ADA improvements, landscaping, and streetlights.

Ocoee Downtown Streets Redevelopment

- The improvements included sidewalks with pavers, landscaping, road reconstruction, removal of on-street parking to increase the width of the pedestrian area, off-street parking modification, streetlights, traffic analysis and calming including adding a roundabout at one of the busiest intersections, raised mid-block pedestrian crossings, street furniture, ADA improvements, and drainage modifications/upgrades. CPH also designed the utility upgrades/modifications, including a new upsized water main, new force main, and a new reclaimed water main. Design services also included modifications to the City's Club Square, such as added sidewalks, bio-retention swales, entrance feature, ADA improvements, landscaping, and streetlights.

EDUCATION / LICENSES

- M.S. in Civil Engineering, University of Central Florida
- B.S. in Civil Engineering, University of Central Florida

- Professional Engineer - FL (No. 88718)
- FDOT AMOT No. 6082
- FDEP Stormwater Inspector No. 32531



SANDRA L. GORMAN, P.E.
TRAFFIC ENGINEER

29 TOTAL YEARS

Ms. Gorman serves CPH as Traffic Engineer. Her experience encompasses a wide range of traffic and transportation projects. Ms. Gorman's wealth of project experience includes traffic signal warrant analyses, transportation and traffic studies, mitigation recommendations, access management, and traffic modeling. Additionally, she was the recipient of "Young Transportation Professional of the Year" in 2009 and 2004 by the Institute of Transportation Engineers.

PAST PERFORMANCE

Preliminary Engineering Report (PER) Westshore Area Roadway Improvements

- CPH was selected by the City of Tampa to prepare a Preliminary Engineering Report (PER) for North Reo Street and West Cypress Avenue. Proposed typical sections for both roadways will be determined using traffic counts, survey, and environmental considerations. This project will be design in conjunction with FDOT's Tampa Bay Next project.

W. Central Blvd. Roadway Reconstruction, Streetscape, and Sanitary Sewer Replacement Design/Build

- 0.55 Mile Streetscape associated with the Orlando City Soccer MLS Stadium. Complete roadway reconstruction including underlying brick roadway salvaging. Landscape/hardscape design including lighting/electrical design. Upsizing the sanitary sewer from an 8-in. line to a 21-in line. Undergrounding OUC power and

communication (including the Duct Bank design). Extensive utility coordination. Coordination with FDOT/SGL to have concurrent maintenance of traffic plans for work within the Ultimate I-4 Construction project. Permitting with FDOT/SGL, SJRWMD, and FDEP.

Melbourne Misc. Design Contract for LAP Projects – Pineapple Avenue, Country Club Rd, and Front Street

- Pineapple Ave. project includes design of new bicycle and pedestrian facilities for approx. 2,600 LF (10-ft.-wide multi-use path / 5-ft. bike lanes / raised crosswalks). Country Club Rd. project includes 2,560 LF of 6-ft. concrete sidewalk along Country Club Road, 850 LF of 5-ft. sidewalk along Melbourne Avenue, and 900 LF of 5-ft. sidewalk along Edgewood Drive (total of 4,310 LF / 0.82miles). Lastly, the Front St. project includes 12-ft.-wide multi-use path, reconstruction of existing sidewalks to 6-ft., 5-ft.-wide bike lanes; new 6-ft. sidewalks on both sides of the roadway.

EDUCATION / LICENSES

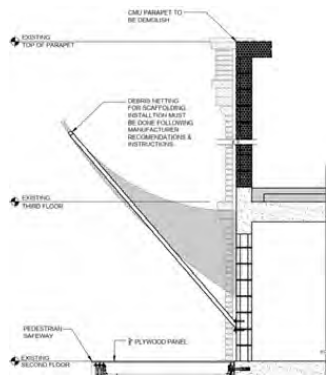
- M.C.E. in Civil Engineering, University of South Florida
- B.S. in Civil Engineering, University of South Florida

- Professional Engineer - FL (No. 59530)

7. QUALIFICATIONS

CPH provides a comprehensive architecture and engineering team. Our team has extensive experience in the scope of services requested by the City of Key West. In addition, our qualified team has worked together to deliver similar services as desired by the City of Key West.

PROJECT NAME	KEY PERSONNEL																			
	Todd H. Hendrix, P.E., CGC	Kyle M. Bechtelheimer, P.E.	Christopher DeWaal, P.E., LEED AP	Gregory D. Taylor, M.S.E.E., P.E.	Alexander E. Zvonaryov, P.E.	Jose M. Ortiz, MCE, P.E.,S.E.	Eduardo Aviles, P.E.	Deolinda Tilus, E.I.	Angel Figueroa, P.E.	Kurt R. Luman, Jr., P.E.	Matthew Cushman, P.E.	Joseph M. LoFaso, Jr., P.E.	Sandra L. Gorman, P.E.	Devin Barrs P.E.	Jeremy C. Morton, P.E.	H. Larry Wray, P.E.	Tyler Fitzgerald, E.I.	David E. Mahler, P.E.	James R. Morris,Jr., P.E.	
Monroe County – Marathon Tax Collector Seawall	✓	✓				✓	✓	✓	✓											
Citation Parkway Improvements			✓	✓	✓	✓	✓	✓	✓	✓					✓		✓			
Miramar's Regional Park - 9/11 Memorial	✓	✓	✓	✓	✓	✓	✓	✓	✓											
Monroe County Fire Station – Cudjoe Key	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓		✓							
Georgetown Drainage Improvements				✓		✓				✓		✓	✓		✓	✓	✓			
Islamorada Village Wide Wastewater System, Design, Build, Operate (DBO)	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Cross Key Wastewater Treatment Plant (WWTP)	✓	✓																✓	✓	
US 17-92 RiverWalk, Phase II - III (FDOT LAP)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
City of Miramar – Huntington Wellfield and Raw Water Main	✓	✓																		
City of Largo – Advanced Wastewater Treatment Facility (AWWTF) Biological Treatment Improvements Design-Build		✓	✓	✓	✓	✓	✓	✓	✓											



MONROE COUNTY CONTINUING SERVICES CONTRACT - **MONROE COUNTY, FL**

MONROE COUNTY – MARATHON TAX COLLECTOR SEAWALL - The Monroe County Marathon Branch Tax Collector's office received heavy damage during Hurricane Irma in 2017, which undermined its foundations. The Tax Collector's office, along with the Sheriff's office, is located immediately adjacent to a canal in Marathon, Florida. The County requested FEMA funding to repair the Tax Collector's office and to design canal improvements to protect against future hurricane surges. The County contracted with CPH for analysis and design of a new seawall along the canal adjacent to their critical operations buildings. CPH completed survey, geotechnical study, wetland delineation and designed 200 LF of sheet pile sea wall, including wetland and mangrove mitigation plans, and is currently in the process of permitting the proposed design. Construction is set to begin in early 2023. [Size: 200 LF | Cost: \\$1,200,00 \(Est\)](#)

MONROE COUNTY FIRE STATION – CUDJOE KEY - CPH provided 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. The overall project included 3 Drive Thru Bays, native landscape materials requiring minimum irrigation, work out room, large kitchen, outdoor spaces for building users, roof materials with high solar reflectance, hurricane resistant glazing, door and roof systems, building insulation with high R-value, low E glazing system, site lighting and interior lighting with LED fixtures, HVAC equipment with high efficiency, water heaters with high efficiency, construction waste control and recycling, flood protection, and a diesel generator. [Size: 7,500 LF | Cost: \\$3,884,185](#)

PROJECT PROFILE:

Size: Varies Per Project

Cost: Varies Per Project

Contract Term: Ongoing Since 2015

CLIENT REFERENCE:

Monroe County
Cary Vick, Project Manager
1100 Simonton Street, Room 2-216,
Key West, FL 33040
Phone: 305.295.4339
Email: vick-cary@monroecounty-fl.gov



CITY OF MIRAMAR CONTINUING SERVICES CONTRACT - **MIRAMAR, FL**

MIRAMAR'S REGIONAL PARK - 9/11 MEMORIAL - CPH was recently awarded a contract with the City of Miramar to perform professional design consulting services for the 9/11 Memorial at Regional Park. The project is intended to include: A water element and hardscape that will provide a social element for visitors, a unique, powerful and serene area for families and friends to quietly reflect on the loss of their loved ones, Distinction from other memorial structures, like museums or visitor centers, Structural relics the Miramar Fire Department received from the World Trade Center Towers, Appropriate walking path transitions and/or approaches from the general parking area to the featured memorial, where the parking area will not be seen from the area where the WTC Relics are situated. CPH also anticipates providing Architectural, Landscape Architecture, MEP, Civil, and Wayfinding/Signage services. [Size: 173 Acres | Cost: \\$54,980 \(Design\)](#)

HUNTINGTON WELLFIELD AND RAW WATER MAIN - The City of Miramar contracted CPH to assist in the re-development of a potable water well capped in 2003. CPH completed preliminary design and plan for re-developing the well at 4,500 gpm for approximately 60 hours to ensure it will meet the needs of the City's Water Treatment Plant (WTP). CPH performed an alternative route study to present the best options for conveying the well's raw water to the City's West WTP. The study included an in depth look at the permitting and cost associated with construction of the proposed raw water main. Based on CPH's Preliminary Design Report, the City was able to select the appropriate route to meet their needs. The route included 60% design of approximately 1.6 miles of 16" Raw Water Main, installed through open trench. The design also included a 400 linear-feet, 18-inch HDPE directional drill, and subaqueous canal crossing under South Broward Drainage District's Canal 4. During Phase 2 (100% Design), CPH will complete the design for the well site and raw water main, assist in bidding services, and coordinate construction administration efforts. [Size: 1.6 Miles of 16" Raw Water Main | Cost: \\$2,100,000 \(Est.\)](#)

MIRAMAR'S REGIONAL PARK - OUTDOOR SKATE PARK - The City of Miramar recently awarded the design for a new Skate Park to CPH and skate park designer, Gridline Skateparks. The project will include an approximately 4,000 to 8,000 square foot community-oriented skate park consisting of "poured-in-place" concrete that is suitable for all age groups. The project will need to integrate with any current and future uses at the site. [Size: 4,000 - 8,000 SF | Cost: \\$54,905 \(Design\)](#)

PROJECT PROFILE:

Size: Varies Per Project

Cost: Varies Per Project

Contract Term: Ongoing Since 2014

CLIENT REFERENCE:

City of Miramar
Daryll Johnson, Project Management
Administrator
2200 Civic Center Place, 2nd Floor
Miramar, FL 33025
Phone: 954-602-3302
Email: djohnson@miramarfl.gov



CITY OF SANFORD CONTINUING SERVICES CONTRACT - **ORANGE COUNTY, FL**

SANFORD NORTH WRF – BIOLOGICAL NUTRIENT REMOVAL PROJECT

(BNR) - Selected by the City to evaluate all available nutrient removal technologies (more than 30) to meet the low TN (< 3 mg/L) and TP (< 0.6 mg/L) concentrations mandated by the State of Florida and EPA. The goal of the evaluation process was to recommend a cost-effective, energy efficient and reliable BNR treatment system. The Sanford North WRF IFAS BNR improvements consisted of the following infrastructure: (1) Integrated Fixed-Film Activated Sludge (IFAS) Process BNR Treatment System (4 treatment trains) consisting of primary anoxic basins (2-stage), aerobic basins, deoxygenation basins, secondary anoxic basins, reaeration basins, internal mixed liquor recycle pumping systems, wastewater step-feed process and associated equipment; (2) Turbo blowers (4 units), piping and medium bubble diffusion systems; (3) Submersible mixing systems; (4) Grit removal system modifications; (5) RAS/WAS pumping system improvements; (6) Chemical and supplemental carbon storage/handling facilities; (7) Blower Facility, Electrical Building No. 1 and BNR Chemical Feed Facility Buildings; (8) Master Lift Station improvements; (9) Aerobic digestion system improvements; and (10) Electrical, controls and instrumentation and SCADA system improvements. The project was completed in 2018 and is meeting all AWT requirements. [Size: 7.30 MGD AADF | Cost: \\$13,230,000](#)

GEORGETOWN DRAINAGE IMPROVEMENTS - Multiphase Stormwater Infrastructure Project in Downtown Sanford. This project included Rural to Urban Conversion of 2.5 Miles of City Streets with sidewalks, stormwater Infrastructure including pipes up to 72", and community outreach to the over 100 affected property owners. [Size: 2.5 Miles | Cost: \\$3.8 Million](#)

US 17-92 RIVERWALK, PHASE III - CPH 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. 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. [Size: 1.7 Miles | Cost: \\$25.6 Million](#)

PROJECT PROFILE:

Size: Varies Per Project

Cost: Varies Per Project

Contract Term: Ongoing Since 1958

CLIENT REFERENCE:

City of Sanford
Bilal Iftikhar, P.E., Public Works Director
P.O. Box 1788,
Sanford, FL 32772-1788
Phone: 407.688.5000, Ext. 5085
E-Mail: bilal.iftikhar@sanfordfl.gov



CITY OF PALM COAST CONTINUING SERVICES CONTRACT - **PALM COAST, FL**

K SECTION DRAINAGE CONVEYANCE ANALYSIS - CPH collected all available data for the K-Section stormwater system and surrounding development. CPH also updated the existing ICPR model based on all of the collected information. In addition, CPH prepared a Preliminary site layout for each of the four (4) culvert replacement sites based on the K-section stormwater analysis, collected site information, City Land Development Regulations and SJRWMD Stormwater requirements. [Size: 4 Culverts | Cost: \\$27,575 \(Design\)](#)

BELLE TERRE PARKWAY TRAIL (DESIGN/BUILD) (FDOT LAP) - CPH, along with S.E. Cline Construction, won a Design/Build contract with the City of Palm Coast. The FDOT Local Agency Program (LAP) project, using American Recovery and Reinvestment Act of 2009 funds, included the preparation of the Trail and Landscape Plans to construct a 3.50 mile, 10 foot wide asphalt multi-use path along Belle Terre Boulevard, and a 1.20 mile, 10 foot wide concrete multi-use path along Belle Terre Parkway. The project also included environmental permitting, hydraulic analysis, stormwater permitting, and two pedestrian bridges. [Size: 3.5 Mile - 10ft wide path and 1.2 Mile - 10ft wide path | Cost: \\$340,000 \(Design\)](#)

CITATION PARKWAY IMPROVEMENTS - CPH is providing design for the improvements along Citation Parkway and a portion of Sesame Boulevard. The project area is approximately 0.3 miles long. The project includes extension of Sesame Boulevard to Seminole Woods Boulevard by elimination of the intersection at Citation Parkway and Sesame Boulevard; replacement of the deficient culvert/ bridge on Sesame Boulevard; Intersection improvements at Citation Parkway and Seminole Woods Boulevard to include the addition of a left turn and a right turn lane; Intersection improvements at Citation Parkway and Universal Trail, including the addition of a left turn lane; Drainage and utility design; Multi-use path/ passive linear park along the south side of Sesame Boulevard; and a temporary pedestrian crossing and path from Sesame Boulevard to Seminole Woods Boulevard. [Size: 0.3 Mile | Cost: \\$1,724,870 \(Est.\)](#)

PALM COAST WWTP NO. 2 – PHASE I MBR/BNR FACILITY - CPH was selected by the City to provide professional engineering services for the planning, design, permitting and construction engineering, inspection, and management (CEIM) of a new 2.0 MGD MBR/BNR treatment facility, expandable to 6.0 MGD. The new BNR facility utilizes the MBR process in conjunction with anaerobic, pre- anoxic, nitrification and post-anoxic biological processes to achieve AWT standards. The MBR process requires a much smaller footprint than that of a conventional 5-stage BNR process; a single MBR process tank replaces the re-aeration, secondary clarifier, and tertiary filtration processes. [Size: 2.0 MGD AADF | Cost: \\$1,030,000](#)

PROJECT PROFILE:

Size: Varies Per Project

Cost: Varies Per Project

Contract Term: Ongoing Since 1998

CLIENT REFERENCE:

City of Palm Coast
Steve Flanagan, Utility Director
160 Lake Avenue,
Palm Coast, FL 32164
Phone: 386.986.2354
E- Mail: sflanagan@palmcoastgov.com



SANFORD AIRPORT AUTHORITY CONTINUING SERVICES CONTRACT - **SANFORD, FL**

ORLANDO SANFORD INTERNATIONAL AIRPORT - PERIMETER SECURITY ROADWAY - CPH was tasked with the surveying, environmental services, design, permitting, bidding, and construction administration of a 7.4 mile perimeter security roadway within the AOA fence to facilitate security inspections and reduce movement area crossings in the pen and ink changes to the ALP for the funding of the roadway. Stormwater management design included incorporation of the stormwater master plan. The stormwater design included roadside treatment swales, historical roadway exemptions, wet detention pond modifications and major canal crossings. [Size: 7.4 Miles](#) | [Cost: \\$1,578,407](#)

RUNWAY 9L-27R EXTENSION – CPH provided surveying, design, permitting, and bidding services for a 1,400 LF extension from 9,600 LF to 11,000 LF. CPH was responsible for the project management, surveying, utility relocates, perimeter security roadway, stormwater management system design and permitting, public roadway closure/access remedy, and fencing plan. CPH's team was responsible for airfield and taxiway design, airfield lighting, NAVAIDS relocation, MALSR relocation, and Localizer/Glideslope relocation. [Size: 1,400 LF](#) | [Cost: \\$14 Million](#)

RUNWAY 9L-27R EXTENSION-IAA STORMWATER POND RELOCATION – CPH was asked to provide preliminary stormwater analysis for the relocation of an existing stormwater management pond. The existing pond was located in an area adjacent to the end of the main runway where ponds were not allowed to be placed. We were tasked to review options for the relocation outside of the runway protection zone and our analysis included four alternate locations with cost estimates and modeling to support each location. [Size: 6.88 Acres](#) | [Cost: \\$14 Million](#)

PROJECT PROFILE:

Size: Varies Per Project

Cost: Varies Per Project

Contract Term: Ongoing Since 2009

CLIENT REFERENCE:

Sanford Airport Authority
George D. Speake, Jr., A.A.E., Executive
Vice President/COO Airport Security
Coordinator
1200 Red Cleveland Blvd,
Sanford, FL 32773
Phone: 407-247-1212
E-mail: www.flysfb.com



FKAA WATER CONTINUING SERVICES CONTRACT - **FLORIDA KEYS, FL**

FKAA NAS BOCA CHICA - FIRE PUMPING STATION - The Naval Air Station (NAS) Key West currently utilizes FKAA owned fire and water distribution facilities at the naval base. CPH designed the replacement of three pumps (2,000 gpm each) which included 2 new diesel pumps, one electric pump, electrical components and controls, and replacement of all associated pipes and valves within the Fire Pump Station. CPH worked with FKAA and the Navy during design, permitting, and construction of the project. CPH completed construction engineering and inspection services (CEI) throughout the construction of the project.. [Size: 3 - 2,000 GPM Pumps](#) | [Cost: \\$1,155,00](#)

FKAA - CROSS KEY WASTEWATER TREATMENT PLANT (WWTP) - The Cross Key WWTP project is focused on designing a central wastewater collection system for a residential community in the Florida Keys. Multiple septic tanks, as well as several wastewater-holding tanks currently serve cross Key. The wastewater holding tanks are pumped out weekly and hauled out of the Keys to a wastewater treatment plant. The Florida Keys Aqueduct Authority (FKAA) contracted CPH, Inc. to complete an assessment of the existing sanitary sewer flows within the area, and to propose feasible solutions to treat the wastewater flow. CPH is now in design of a 40,000 Gallons per Day (Maximum Daily Flow) Wastewater Treatment Plant to serve the community. The design includes a Modified Ludzack-Ettinger process with shallow injection wells for disposal. CPH is designing the full low-pressure collection system for the community including 30 E-One Grinder Pump Stations and low-pressure force main to convey wastewater to the new WWTP. CPH performed the Survey, Ecological Assessment, and will be designing all Civil, Structural, and Architectural components of the WWTP and its accessory structures. CPH will be completing all permitting efforts, including Monroe County Major Conditional Use permit, FDEP, and FDOH permits. [Size: 0.4 MGD](#) | [Cost: \\$4,000,000](#)

PROJECT PROFILE:

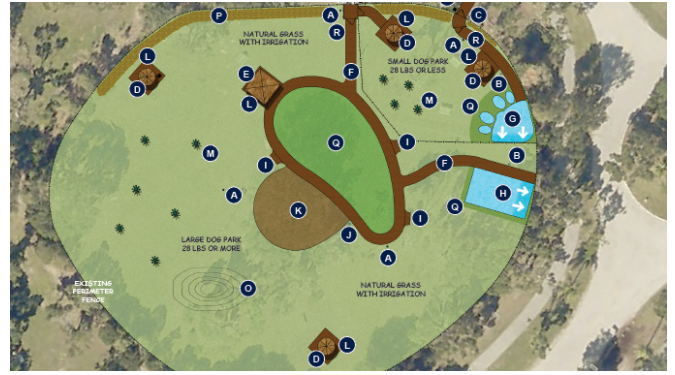
Size: Varies Per Project

Cost: Varies Per Project

Contract Term: Ongoing Since 2019

CLIENT REFERENCE:

FKAA
Emmy Koenig McDowell, P.E.
1100 Kennedy Dr., Key West, FL 33040
Phone: 305.295.2136
E-mail: emcdowell@fkaa.com



VILLAGE OF ISLAMORADA CONTINUING SERVICES CONTRACT - **ISLAMORADA, FL**

ISLAMORADA VILLAGE WIDE WASTEWATER SYSTEM, DESIGN, BUILD, OPERATE (DBO) - CPH's areas of responsibility included the design and permitting of the vacuum collection system. All buildings were designed to withstand hurricane force winds of 150 mph and associated storm surge. The project consisted of 43,957 lf of PVC pipe ranging in size from 4-10 -inch. The low pressure force main collection systems for Upper Matecumbe Key and Windley Key incorporated connections for approximately 1,755 (UMK) and 678 (WK) equivalent dwelling units (EDU). The systems provide service along both sides of Overseas Highway using a combination of conventional and trenchless technology. Combined, the project consists of 37,410 lf of HDPE pipe ranging in size from 1 1/4-6 -inch. CPH provided a complete system design including plan and profile drawings of each pipe run. CPH conducted system hydraulics calculations using Sewercad and provided limited CEI services for this portion of the project. [Size: 81,367 LF](#) | [Cost: \\$98 Million](#)

ISLAMORADA, VILLAGE OF ISLANDS - FOUNDER'S DOG PARK - Islamorada, Village of Islands owns and maintains an existing 1.6 acre dog park located at the Founder's Park in Islamorada. The dog park was mostly sod and had no extra amenities. CPH met with the Village and the residents to discuss features of the park that the community needed. CPH designed the plan and features for the new dog park and worked with the Village through the design, permitting, and bid phases of the project. The project was federally funded through a grant and CPH worked with the Village to meet their budget requirements during the bidding process. [Size: 1.6 Acres](#) | [Cost: \\$170,000](#)

PROJECT PROFILE:

Size: Varies Per Project

Cost: Varies Per Project

Contract Term: Ongoing Since 2010

CLIENT REFERENCE:

Village of Islamorada
 Maria Bassett, Director of Finance /
 Deputy Village Manager
 86800 Overseas Highway,
 Islamorada, FL 33036
 Phone: 305.664.6445
 Email: maria.bassett@islamorada.fl.us

8. REPRESENTATIVE ENGINEERING EXPERIENCE **AND CLIENT REFERENCES**

We have worked with many of our clients for more than 41 years. These long term relationships have afforded us many opportunities to meet our client's needs and perform municipal engineering services. Over the years, as their population increased, regulations changed, or needs changed, CPH acted as their continuing design firm providing planning for improvements, design, funding assistance, and construction administration. The team has extensive experience in working under continuing contracts and is available for planned projects as well as un-planned emergencies. Below is a sample of the projects we have completed under our continuing contracts.

Client	Project / Brief Description
FKA (SINCE 2017) Emmy Koenig McDowell, P.E. Phone: 305.295.2136 E-mail: emcdowell@fka.com	• Cross Key Wastewater Treatment Plant (WWTP) • Pigeon Key Wastewater Treatment Study • Big Coppitt Disk Filters
CITY OF MIRAMAR (SINCE 2014) Ronnie S. Navarro, PE, PTP, CFM, Assistant Director Phone: 954.883.6825 E-Mail: rsnavarro@miramarfl.gov	• Huntington Wellfield And Raw Water Main • Miramar's Regional Park - Outdoor Skate Park • Miramar's Regional Park - 9/11 Memorial • Miramar Fire Station #84, Phase II (MEP)
MONROE COUNTY (SINCE 2015) Cary Vick, Project Manager Phone: 305.295.4339 Email: vick-cary@monroecounty-fl.gov	• Monroe County Fire Station - Cudjoe Key • Harry Harris Park Jetty and Wilkinson's Point • Marathon Tax Collector Seawall • Higgs Beach Seawall Repair
VILLAGE OF ISLAMORADA (SINCE 2010) Peter Frezza, Environmental Resources Manager Phone: 305.664.6427 E-Mail: peter.frezza@islamorada.fl.us	• Islamorada Village Wide Wastewater System, Design, Build, Operate (DBO) • Analysis and Redesign/Phase I Collection System- Northern Plantation Key • Islamorada Breakwater • Vacuum Pumpstation Mts And Flood Proofing
CITY OF SANFORD (SINCE 1958) Mr. Bilal Iftikhar, P.E., Public Works Director Phone: 407.688.5000, Ext. 5085 E-Mail: bilal.iftikhar@sanfordfl.gov	• Sanford 1st Street Streetscape and Gateway Improvements • St. Johns Parkway (Phases I, II, III) • 2nd Street Drainage Improvements • Sanford's US 17-92 Beautification, Phase I • Sanford South Water Resource Center • Sanford North Wastewater Treatment Plant • Mayfair Water Treatment Plant

9. SWORN STATEMENTS **AND AFFIDAVITS**

ANTI-KICKBACK AFFIDAVIT

STATE OF FLORIDA

SS:

COUNTY OF MONROE

I the undersigned hereby duly sworn, depose and say that no portion of the sum herein response will be paid to any employee of the City of Key West as a commission, kickback, reward or gift, directly or indirectly by me or any member of my firm or by an officer of the corporation.

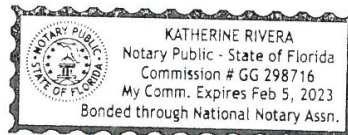
BY: _____

Todd H. Hendrix., P.E., CGC, COO - AE Services

sworn and prescribed before me this 29th day of November 2022

NOTARY PUBLIC, State of Florida

My commission expires: 2/5/23



Katherine Rivera

[illegible]

By: [Signature]

29th day of November, 2022.

NOTARY PUBLIC, State of Florida at Large

My Commission Expires: 2/5/23



SWORN STATEMENT PURSUANT TO SECTION 287.133(3)(A)
FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES

THIS FORM MUST BE SIGNED AND SWORN TO IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICIAL AUTHORIZED TO ADMINISTER OATHS,

1. This sworn statement is submitted for Todd H. Hendrix., P.E., CGC, COO - AE Services
(print individual's name and title)

by CPH, LLC
(print 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. 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 of the United States, including, but not limited to, any bid or contract for goods or services to be provided to any public entity or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.
3. I understand that "conviction" as defined in Paragraph 287.133(1)(g), 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 01, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.
4. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means:
- a. A predecessor or successor of a person convicted of a public entity crime: or
 - b. 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 agent who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment of 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.

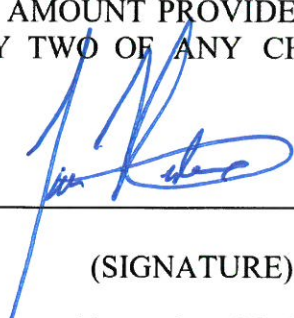
5. I understand that a "person" as defined in Paragraph 287.133(1)(e), Florida Statute means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts for the provision of goods or services let by 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.
6. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement (indicate which statement applies).

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

 The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 01, 1989.

 The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 01, 1989. However, there has been a subsequent proceeding before a Hearing Officer of the State of Florida, Division of Administrative Hearings and the Final Order entered by the Hearing Officer determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list (attach a copy of the final order).

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH ONE (1) ABOVE IS FOR THAT PUBLIC ENTITY ONLY AND, THAT THIS FORM IS VALID THROUGH DECEMBER 31 OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THE PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECTION 287.017, FLORIDA STATUTES, FOR THE CATEGORY TWO OF ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.



(SIGNATURE)

November 29, 2022

(DATE)

STATE OF Florida

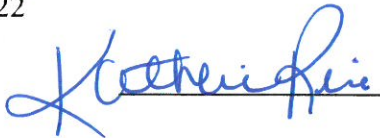
COUNTY OF Monroe

PERSONALLY APPEARED BEFORE ME, the undersigned authority

Todd Hendrix who, after first being sworn by me,
(name of individual)

affixed his/her signature in the space provided above on this

29th day of November 2022



NOTARY PUBLIC

My commission expires: 2/5/23



EQUAL BENEFITS FOR DOMESTIC PARTNERS AFFIDAVIT

STATE OF Florida)
 : SS
COUNTY OF Monroe)

I, the undersigned hereby duly sworn, depose and say that the firm of CPH, LLC

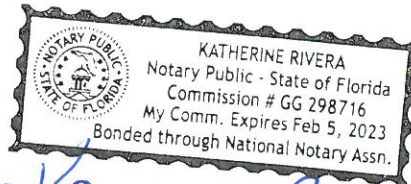
provides benefits to domestic partners of its employees on the same basis as it provides benefits to employees' spouses, per City of Key West Code of Ordinances Sec. 2-799.

By: [Signature] Todd H. Hendrix., P.E., CGC, COO - AE Services

Sworn and subscribed before me this 29th day of November 2022.

NOTARY PUBLIC, State of Florida at Large

My Commission Expires: 2/5/23



Katherine Rivera

CONE OF SILENCE AFFIDAVIT

Pursuant to City of Key West Code of Ordinances Section 2-773 (attached below)

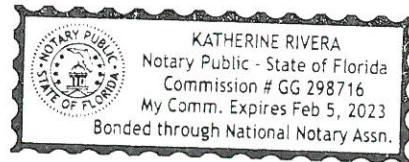
STATE OF Florida)
: SS
COUNTY OF Monroe)

I the undersigned hereby duly sworn depose and say that all owner(s), partners, officers, directors, employees and agents representing the firm of
CPH, LLC have read and understand the limitations and procedures regarding communications concerning City of Key West issued competitive solicitations pursuant to City of Key West Ordinance Section 2-773 Cone of Silence (attached). Sworn and subscribed before me this

29th day of November, 2022.

Katherine Rivera
NOTARY PUBLIC, State of Florida at Large

My Commission Expires: 2/5/23



Sec. 2-773. Cone of Silence.

(a) *Definitions.* For purposes of this section, reference to one gender shall include the other, use of the plural shall include the singular, and use of the singular shall include the plural. The following definitions apply unless the context in which the word or phrase is used requires a different definition:

- (1) *Competitive solicitation* means a formal process by the City of Key West relating to the acquisition of goods or services, which process is intended to provide an equal and open opportunity to qualified persons and entities to be selected to provide the goods or services. Competitive solicitation shall include request for proposals ("RFP"), request for qualifications ("RFQ"), request for letters of interest ("RFLI"), invitation to bid ("ITB") or any other advertised solicitation.
 - (2) *Cone of silence* means a period of time during which there is a prohibition on communication regarding a particular competitive solicitation.
 - (3) *Evaluation or selection committee* means a group of persons appointed or designated by the city to evaluate, rank, select, or make a recommendation regarding a vendor or the vendor's response to the competitive solicitation. A member of such a committee shall be deemed a city official for the purposes of subsection (c) below.
 - (4) *Vendor* means a person or entity that has entered into or that desires to enter into a contract with the City of Key West or that seeks an award from the city to provide goods, perform a service, render an opinion or advice, or make a recommendation related to a competitive solicitation for compensation or other consideration.
 - (5) *Vendor's representative* means an owner, individual, employee, partner, officer, or member of the board of directors of a vendor, or a engineer, lobbyist, or actual or potential subcontractor or sub-consultant who acts at the behest of a vendor in communicating regarding a competitive solicitation.
- (b) *Prohibited communications.* A cone of silence shall be in effect during the course of a competitive solicitation and prohibit:
- (1) Any communication regarding a particular competitive solicitation between a potential vendor or vendor's representative and the city's administrative staff including, but not limited to, the city manager and his or her staff;
 - (2) Any communication regarding a particular competitive solicitation between a potential vendor or vendor's representative and the mayor, city commissioners, or their respective staff;
 - (3) Any communication regarding a particular competitive solicitation between a potential vendor or vendor's representative and any member of a city evaluation and/or selection committee therefore; and
 - (4) Any communication regarding a particular competitive solicitation between the mayor, city commissioners, or their respective staff, and a member of a city evaluation and/or selection committee therefore.

(c) *Permitted communications.* Notwithstanding the foregoing, nothing contained herein shall prohibit:

- (1) Communication between members of the public who are not vendors or a vendor's representative and any city employee, official or member of the city commission;
- (2) Communications in writing at any time with any city employee, official or member of the city commission, unless specifically prohibited by the applicable competitive solicitation.
 - (A) However, any written communication must be filed with the city clerk. Any city employee, official or member of the city commission receiving or making any written communication must immediately file it with the city clerk.
 - (B) The city clerk shall include all written communication as part of the agenda item when publishing information related to a particular competitive solicitation;
- (3) Oral communications at duly noticed pre-bid conferences;
- (4) Oral presentations before publicly noticed evaluation and/or selection committees;
- (5) Contract discussions during any duly noticed public meeting;
- (6) Public presentations made to the city commission or advisory body thereof during any duly noticed public meeting;
- (7) Contract negotiations with city staff following the award of a competitive solicitation by the city commission; or
- (8) Purchases exempt from the competitive process pursuant to section 2-797 of these Code of Ordinances;

(d) *Procedure.*

- (1) The cone of silence shall be imposed upon each competitive solicitation at the time of public notice of such solicitation as provided by section 2-826 of this Code. Public notice of the cone of silence shall be included in the notice of the competitive solicitation. The city manager shall issue a written notice of the release of each competitive solicitation to the affected departments, with a copy thereof to each commission member, and shall include in any public solicitation for goods and services a statement disclosing the requirements of this ordinance.
- (2) The cone of silence shall terminate at the time the city commission or other authorized body makes final award or gives final approval of a contract, rejects all bids or responses to the competitive solicitation or takes other action which ends the competitive solicitation.
- (3) Any city employee, official or member of the city commission that is approached concerning a competitive solicitation while the cone of silence is in effect shall notify such individual of the prohibitions contained in this section. While the cone of silence is in effect, any city employee, official or member of the city commission who is the recipient of any oral communication by a potential vendor or vendor's representative in violation of this section shall create a written record of the event. The record shall indicate the date of such communication, the persons with whom such communication occurred, and a general summation of the communication.

(e) *Violations/penalties and procedures.*

- (1) A sworn complaint alleging a violation of this ordinance may be filed with the city attorney's office. In each such instance, an initial investigation shall be performed to determine the existence of a violation. If a violation is found to exist, the penalties and process shall be as provided in section 1-15 of this Code.
- (2) In addition to the penalties described herein and otherwise provided by law, a violation of this ordinance shall render the competitive solicitation void at the discretion of the city commission.
- (3) Any person who violates a provision of this section shall be prohibited from serving on a City of Key West advisory board, evaluation and/or selection committee.
- (4) In addition to any other penalty provided by law, violation of any provision of this ordinance by a City of Key West employee shall subject said employee to disciplinary action up to and including dismissal.
- (5) If a vendor is determined to have violated the provisions of this section on two more occasions it shall constitute evidence under City Code section 2-834 that the vendor is not properly qualified to carry out the obligations or to complete the work contemplated by any new competitive solicitation. The city's purchasing agent shall also commence any available debarment from city work proceeding that may be available upon a finding of two or more violations by a vendor of this section. (*Ord. No. 13-11, § 1, 6-18-2013*)

CITY OF KEY WEST INDEMNIFICATION FORM

PROPOSER agrees to protect, defend, indemnify, save and hold harmless The City of Key West, all its Departments, Agencies, Boards, Commissions, officers, City's Engineer, agents, servants and employees, including volunteers, from and against any and all claims, debts, demands, expense and liability arising out of injury or death to any person or the damage, loss of destruction of any property which may occur or in any way grow out of any act or omission of the PROPOSER, its agents, servants, and employees, or any and all costs, expense and/or attorney fees incurred by the City as a result of any claim, demands, and/or causes of action except of those claims, demands, and/or causes of action arising out of the negligence of The City of Key West, all its Departments, Agencies, Boards, Commissions, officers, agents, servants and employees. The PROPOSER agrees to investigate, handle, respond to, provide defense for and defend any such claims, demand, or suit at its sole expense and agrees to bear all other costs and expenses related thereto, even if it (claims, etc.) is groundless, false or fraudulent. The City of Key West does not waive any of its sovereign immunity rights, including but not limited to, those expressed in Section 768.28, Florida Statutes.

These indemnifications shall survive the term of this agreement. In the event that any action or proceeding is brought against the City of Key West by reason of such claim or demand, PROPOSER shall, upon written notice from the City of Key West, resist and defend such action or proceeding by counsel satisfactory to the City of Key West.

The indemnification provided above shall obligate PROPOSER to defend at its own expense to and through appellate, supplemental or bankruptcy proceeding, or to provide for such defense, at the City of Key West's option, any and all claims of liability and all suits and actions of every name and description covered above which may be brought against the City of Key West whether performed by PROPOSER, or persons employed or utilized by PROPOSER.

The PROPOSER's obligation under this provision shall not be limited in any way by the agreed upon Contract Price as shown in this agreement, or the PROPOSER's limit of or lack of sufficient insurance protection.

COMPANY SEAL

PROPOSER: CPH, LLC

Address 1992 SW 1st Street, Miami, FL, 33135

Signature

Todd H. Hendrix., P.E., CGC

Print Name

November 29, 2022

Date

Title

COO - AE Services

NOTARY FOR THE PROPOSER

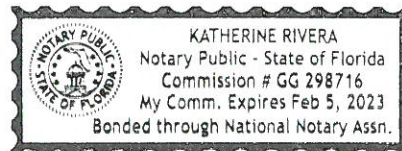
STATE OF Florida

COUNTY OF Monroe

The foregoing instrument was acknowledged before me this 29th day of November, 2022. By Todd H. Hendrix, P.E., CC,
of CPH, LLC (Name of officer or agent, title of officer or agent) Name of corporation
acknowledging)
or has produced _____ as identification.

Katherine Rivera

Signature of Notary



Return Completed form with Print, Type or Stamp Name of Notary

Supporting documents to: City of Key West Purchasing

Title or Rank



THE CITY OF KEY WEST

Post Office Box 1409 Key West, FL 33041-1409 (305) 809-3883

ADDENDUM NO. 1

Engineering Services RFQ 2022

This addendum is issued as supplemental information to the Request for Qualifications package for clarification of certain matters of both a general and a technical nature. The referenced Request for Qualifications package is hereby amended in accordance with the following items:

- 1) Question: Are sub-consultants only to be shown as supplemental staff to the prime or are we to include only in-house staff? There is some confusion per "A.3 Ability to provide required services with in-house staff."
Response: Both in-house staff and sub-consultants should be listed. A.3 highlights that the ability for in-house staff to provide services will be part of the selection criteria, so in-house capabilities are of value.
- 2) Question: Does the City plan to provide an extension due to the Thanksgiving holiday?
Response: The original deadline was 11/23 and has already been extended for the holiday to 11/30.
- 3) Question: Will the City include covers, tabs, and table of contents in the 40-page max?
Response: The items listed will not be included in the 40-page limit.
- 4) Question: Can a firm serve as both sub and prime?
Response: To avoid any conflicts of interest, the City will not accept proposals where consultants considered the prime are listed as sub-consultants on other proposals.
- 5) Can the City please confirm the deadline for clarification; the RFP stats Oct. 21, 2022.
Response: The deadline for clarification is November 21, 2022.

Prior to final award, proposers shall acknowledge receipt and acceptance of all Addendums. Proposals submitted without acknowledgement may be considered non-responsive.

Signature

CPH, LLC

Name of Business



THE CITY OF KEY WEST

Post Office Box 1409 Key West, FL 33041-1409 (305) 809-3883

ADDENDUM NO. 2

Engineering Services RFQ 2022

This addendum is issued as supplemental information to the Request for Qualifications package for clarification of certain matters of both a general and a technical nature. The referenced Request for Qualifications package is hereby amended in accordance with the following items:

- 1) **Question:** Can the City confirm if staff resumes are included in the 40 single-page limit?
Response: Pages used for organizational and formatting purposes, like cover sheets, table of contents, section headers, etc. and required forms like sworn statements and affidavits are not included in the page limit. Content to be considered for ranking, such as company and staff information and background, resumes, past projects, references, etc. are to be included in the page limit.
- 2) **Question:** Can 11"x17" pages be used? If so, how many 11"x17" pages will count towards the 40 single-page limit?
Response: The proposal should consist of standard 8.5"x11" pages. Pages can be displayed in landscape orientation if desired.
- 3) **Question:** Due to the page limit on the proposal, will the City consider resumes for personnel identified on the Organization Chart be excluded from the page count in the proposal?
Response: All resumes will be included in the page count.
- 4) **Question:** Do resumes have to be provided for everyone identified on the Organization Chart or only key personnel?
Response: Resumes are not required for all personnel.
- 5) **Question:** There are several office closures in place for staff to prepare for Tropical Storm Nicole. Would the City consider moving the submission date another week to have sufficient time to put proposals together?
Response: The proposal due date has been changed to 12/7/2022 at 3PM.

Prior to final award, proposers shall acknowledge receipt and acceptance of all Addendums. Proposals submitted without acknowledgement may be considered non-responsive.

A handwritten signature in blue ink, appearing to be "CPH", is written over a horizontal line.

Signature

CPH, LLC

Name of Business