

Statement of Qualifications

RFQ 20-002



Environmental Engineering Services



January 8, 2020

Project Manager: Steve Hurley
11400 Overseas Highway
Unit 207 & 208
Marathon, FL 33050
Phone: 305.517.6469

- Environmental Engineering Services
- Coastal Engineering Services



COMPANY PROFILE

As a Florida based full-service civil and environmental firm founded in 1945. We have a reputation for quality and cost-effective services for public and private sector clients. We know the City of Key West requires an environmental/engineering consultant that can conduct ESAs, site investigations, restoration support, asbestos/lead based paint evaluations, underground storage tank services, coastal engineering, structures engineering, permitting, wetland delineations, hydrogeological investigations, and grant writing and management services, all while remaining compliant with regulatory requirements and keeping your projects on budget and on time.

Although our local office is in Marathon, our Contract/Project Manager, Steve Hurley, lives only **3 minutes away from the City of Key West offices**. Steve has delivered numerous successful projects throughout the City of Key West and Monroe County over his 28 years of experience. Virtually all identified staff members can be called upon to service City projects either full-time or part-time over the period of the contract. Cardno prides itself on the ability to produce a qualified project team at a moment's notice.

We are local. Your main point of contact for this contract is Steve Hurley, a City of Key West resident. Supporting Mr. Hurley will be Victoria Crouthamel, a Little Torch Key resident. Cardno has over a decade of experience in the Keys, and has conducted extensive local environmental assessment and redevelopment projects, including Key West, City of Marathon, and Monroe County. Depending on work to be performed, 70-80% will likely be performed in our Marathon and Key West offices. Cardno's 10 other Florida offices can provide additional support services as needed.

Our goal is to help manage environmental conditions that could impact your projects. We tailor our services toward your project goals and provide easy-to-understand explanations of environmental issues, potential risks, and alternatives. Cardno is an industry leader in obtaining and managing environmental grants. We can help access funds to support property acquisitions and due diligence efforts to support Key West CIP projects.

We Can Bring You Money – Cardno has brought over \$135 million of grant funding to our clients. Our professional grant writing team has produced more than 100 award-winning grants to communities throughout Florida with nearly \$140 million in awards over the last 15 years. This is an unprecedented achievement. With in-house grant writers, our goal is to secure federal and state grant funding for your community. After funding is awarded, we can assist with management of your grants that could possible augment current CIP funding and address environmental conditions and redevelopment obstacles that could affect identified project or future projects.



Cardno is currently one of South Florida Regional Planning Council's environmental consultants qualified to administer \$1M of redevelopment funding from an existing EPA Revolving Loan Fund. These funds are available to the City for environmental assessment, cleanup and site reuse planning, and community engagement as well as other approved activities. Working with the City and If a viable project arises, your Contract/Project Manager, Steve Hurley and others will make you aware of the opportunity to save City funds by using the available grant funding for Phase I/II and remedial site cleanup activities. Cardno can also assist the City with obtaining additional state, county and EPA grant funding to support the City's needs.

Cardno is not a typical environmental firm. We routinely integrate our comprehensive environmental capabilities into our nationally recognized utility, transportation, and site development programs. We recognize that environmental consultation is often a support activity for the goal of minimizing overall project cost and schedule impacts.

Cardno's Florida offices offer a broad range of professional services including:

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|--|-------------------------------------|--|
| > Environmental Services | > Environmental Management | > Boat Ramp, Deck, and Seawall Design |
| > Phase I/II ESAs Remediation Services | > Brownfields Redevelopment | > Coordination with Local, State, and |
| > Industrial Hygiene Services | > Underground Storage Tanks | Federal Government Agencies Including |
| > Grant Writing Services and | > Urban and Land Planning | FDEP |
| Management | > Redevelopment Consulting Services | > Ecological and Risk Management |
| > Structural Engineering | > Stormwater Management | Consulting |
| > Coastal Engineering | > Site Design/Real Estate Support | > Construction Inspection Administration |

Environmental Management. Cardno moves beyond initial problem identification offering practical, client-oriented solutions tailored to project goals. Our goal is to help manage environmental conditions that could impact your projects. We tailor our services toward your project goals and provide easy to understand explanations of environmental issues, potential risks and alternatives.

Cardno has collaborated with public and private clients to solve engineering, environmental, human health, and social challenges locally, statewide, and throughout the world. Cardno represents the right size firm for this contract—large and experienced enough to perform the types of projects anticipated, yet small enough to recognize the value of this contract to the firm and to afford it our highest priority and commitment. Cardno has nearly 400 staff working in 10 offices throughout Florida that give us a strong statewide focus—complementing specialist teams in major areas throughout the state. We have been providing our clients with responsive, economical

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solutions under continuing services contracts, and have been doing so in Florida since 1984. **We are a local, statewide, regional, and national leader in Environmental Consulting Services.**

Local projects include, but not limited to:

- | | | | |
|--|---------------------------------------|------------------------------------|---------------------------------------|
| > Sombrero Beach Reconstruction, Renourishment, and Repair | > Plants 5/6 platform upgrades | > Canal Restoration Projects | > Rowell's Marina |
| > The Quay Parcel Boat Ramp Parking and General Parking Improvements | > Area 3/6 Lift station Designs | > Misc. Drainage Services #2 | > Waterfront Park, Key Largo Avenue I |
| > Boca Chica Road | > Area 6 CEI, City of Marathon | > Building Plans Review | > Sombrero Vac Main Avenue L |
| > Grassy Key Grinder Pump Station | > 33rd Street Community Building Site | > Marriott Force Main CEI | > Plant 5 upgrade |
| > Fire Department Miscellaneous Fire Hydrant | > Miscellaneous CEI | > Misc. Canal Restoration Projects | > Ocean Front Park |
| > 89th Street Culvert Crossing | > Area 6 Force Main Modeling | > 89th Street Canal Restoration | > Avenue "L" CEI |
| | > Miscellaneous CEI #2 | > Area 3 Force Main Design | > Aviation Boat Ramp |
| | | > Area 6 Force Main Design | > Key Largo Community Park |
| | | > Miscellaneous Drainage Review | > Big Coppitt Fire Station #9 |
| | | > Marriott F.M. As-Built | |
| | | > Utility Design Services | |

Understanding your needs. We have reviewed your FY 18/19 CIP, we know that some of the initial phases of these projects have already been completed, Cardno has similar experience to on these types of project and can support the completion of these and similar future CIP projects that the City has identified or prioritized.

CIP Objectives	Cardno Services		Project Experience
EB Knight Pier Repair	✓ Structural Evaluation ✓ Structural Design ✓ Permitting	✓ Construction for Repairs ✓ Seagrass Monitoring	Fort DeSoto Fishing Pier, Williams Fishing Pier, Bayport Pier, St. Marks Municipal Dock Pier
Truman Waterfront NOAA Seawall Repair	✓ Design-Build ✓ Seawall Repair	✓ Grants ✓ Permitting	St. Pete Citywide Seawalls, Moore's Creek Seawall
Smather's Beach Renourishment (Design/Permitting)	✓ Beach Renourishment and Rehabilitation ✓ Permit Modification	✓ Seagrass Monitoring and Reporting	Sombrero Beach Renourishment, Boulevard of the Arts Living Shoreline, Wall Springs Coastal Additions,
Funding Issues	✓ Grant Writing Support ✓ Permitting	✓ CDBG funding ✓ ESAs	Anchorage Park Redevelopment, North Palm Beach, Edenfield Property, City of Palmetto
Rehabilitation of City Facilities	✓ NEPA documentation ✓ ESAs	✓ Grants ✓ Remediation	St. Petersburg Police Pistol Range, St. Pete Beach Waterfront Park

MANAGEMENT AND COST CONTROL APPROACH

Services required under this contract could range from a single small project assignment to larger multi-disciplinary projects. Having worked on over 40 local municipal and statewide Environmental GEC contracts for the past 34 years, Cardno understands how to manage and perform under contracts like this. For all these services, the key is to remember that we are in the business of performing environmental engineering related services in support of other objectives whether it be to support a construction project, maintain compliance, or protect City assets or support redevelopment projects.

Small Team, Large Resources, City Presence – As your locally-based professional engineer partner, Cardno provides the right level of service for large or small projects. Cardno is a local firm with the resources you need to successfully complete any size or type of project on time and within budget. We understand local needs, expectations, standards, and facilities. Having worked in the Keys for over a decade, we possess the experience necessary to provide quality, cost-effective services, regardless the size of the project.

Our Approach – The formation of work assignment teams, large or small depending on the project scope and complexity, will consider personnel from both Cardno and its subconsultants organizations, as necessary, to best satisfy your technical and project schedule and needs. Most work assignments will be managed as a separate project by Cardno, regardless of the project team and technical responsibilities. As an early step in the process, Cardno will meet with City staff to gain a full understanding of the scope and objectives of the project, and seek out opportunities for innovative approaches to achieve project goals.

Notice to Proceed (NTP). Work will commence upon receipt of NTP, with the technical approach conforming to the approved scope of services.

Communication. A successful project begins and ends with the timely and accurate transfer of information between Project Manager, Steve Hurley (Key West resident), and Assistant Project Manager, Victoria Crouthamel, El (Little Torch Key resident). Cardno's central point of contact will unburden the City and streamline interdisciplinary coordination. It will be their responsibility to disseminate information to appropriate parties within Cardno and our subconsultants.

Ongoing Coordination. An important means of coordination will be monthly project briefings at which schedules, budgets, technical deliverables, and other project-related matters will be discussed. Mr. Hurley and Ms. Crouthamel will oversee project activities to

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ensure appropriate resources are allocated to meet budget, schedule and quality expectations, and an accurate accounting of overall project status is communicated to City staff.

Schedule Controls. Making and keeping schedule commitments is a must. We will manage schedule performance and plan resource utilization. Major work tasks will be planned as a series of subtasks, an effective management tool to track and adjust schedules. Weekly team meetings will be held throughout the project by the Project Manager, with a major emphasis on reviewing progress and discussing upcoming milestones.

Schedule Management. Meeting schedules successfully involves effective project management, proactively assessing each project's progress and anticipating problems before they arise. Maintaining the schedule requires frequent communication with the project staff through bi-weekly coordination meetings and weekly discipline email progress outlines to ensure all scope elements are accomplished.

We use the following techniques to achieve schedule success:

- > Initiate brainstorming meeting to discuss project requirements and critical schedule path task items
- > Prepare a work plan outlining all project requirements
- > Communicate the work plan and detailed schedule to all team members
- > Prepare a realistic schedule allowing time for unforeseen circumstances
- > Schedule upfront meetings with permitting agencies, utility companies, community
- > Hold weekly production meetings
- > Kickoff Meeting

A project schedule will be prepared and will include all required critical tasks, as well as, milestone events. In addition, the schedule will provide a working document for our team to monitor the progress during the management of this contract. During the scoping process, it is important to identify the key tasks that could potentially impact the schedule and define ways to avoid delays. Cardno has instituted many tools on previous projects to help maintain and/or accelerate a project schedule. Cardno's most successful approach to these components is to avoid or minimize impacts whenever possible without compromising the safety or function of an improvement.

Project Closeout. Upon successful completion of each task assignment, Cardno will proceed with project closeout. The primary purposes of project closeout are to confirm no outstanding technical, contractual, financial, regulatory, or legal issues to retrieve and properly store all project information and files, including quality control documentation.

The following outlines our typical to approach various size and complexity of projects anticipated under this contract:

Approach: Small to Medium Size Projects

Cardno is assigned full responsibility for a complex interdisciplinary engineering project under a single work assignment.

Organizational Structure	Organizational Features
<pre> graph TD CITY_PM[CITY PM] --- CITY_STAFF[CITY STAFF] CITY_PM --- CARDNO_PM[CARDNO PM] CITY_STAFF -.- CARDNO_PM CARDNO_PM --- CARDNO_STAFF[CARDNO STAFF] CARDNO_PM --- CARDNO_TM[CARDNO TM (optional)] CARDNO_PM --- CARDNO_SUBS[CARDNO SUBS] </pre>	<ul style="list-style-type: none"> > Cardno PM manages daily activities of Cardno team > Cardno PM is singularly responsible to City PM for performance on work assignments > Task manager (TM) may be assigned for significant work efforts in a specific technical area > Interaction and communication may be necessary with other consultants or City staff
Special Capabilities of Cardno Team	Related Benefits to City
<ul style="list-style-type: none"> > Full-service environmental, engineering, and planning capabilities > Track record of full-service general environmental engineering contracts since firm's inception > Senior project managers with relevant municipal experience > Pre-selected subconsultants that complement our services > Advanced accounting systems in place 	<ul style="list-style-type: none"> > Full understanding of total project goals to achieve best-value integrated solutions > Recognition of contract objectives; knowledge of needs of the City > Proven management with personal responsibility for technical quality and completeness > Enhancement of maximum overall value to the City > Effective control of budgets and schedules

Approach: Medium to Large Size Projects

Cardno is assigned one or more technical tasks as a member of a multi-consultant team on a complex, interdisciplinary engineering project.

Organizational Structure	Organizational Features
<pre> graph TD CITY_PM[CITY PM] --- OTHER_FIRMS[OTHER FIRMS] CITY_PM --- CARDNO_PM[CARDNO PM] CITY_PM --- CITY_STAFF[CITY STAFF] OTHER_FIRMS -.- CARDNO_PM CARDNO_PM --- CARDNO_SUBS[CARDNO SUBS] CARDNO_PM --- CARDNO_STAFF[CARDNO STAFF] CITY_STAFF -.- CARDNO_STAFF </pre>	<ul style="list-style-type: none"> > Cardno Project Manager selected based primarily on expertise in the assigned technical area(s) > Cardno PM manages day-to-day activities of Cardno staff and subconsultants > Cardno PM gets overall project direction from City PM and is responsible for Cardno's portion > Interaction and communication with City staff and other consultants are necessary and frequent

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Special Capabilities of Cardno Team	Related Benefits to City
<ul style="list-style-type: none"> > Full-service engineering, planning and environmental capabilities > Routine formation of contract teams with a track record of successful team performance > Senior project managers with highly relevant technical and municipal experience > A known, credible player; established relationships with other firms 	<ul style="list-style-type: none"> > Assigned tasks are performed to contribute beyond scope > Understanding of how assigned task(s) fit into broader goal of best-value solutions for the City > Proven management with personal reasonability for technical quality and completeness

Approach: Various Size Projects

Cardno personnel represent or support the city in interactions with regulatory agencies, other stakeholders or public on project-related activities.

Organizational Structure	Organizational Features
<pre> graph TD A[AGENCIES] --- CS[CITY SPECIALIST] CPM[CITY PM] --- CS P[PUBLIC] --- CS M[MEDIA] --- CS CS --- CPM CS --- CSP[CARDNO SPECIALIST] CPM --- CSP CSP --- CP[CARDNO PM] </pre>	<ul style="list-style-type: none"> > Cardno senior technical staff take direction from and work closely with City counterparts > Limited Cardno management oversight by corresponding VP for quality/cost/schedule control > Direct interaction with external agencies and general public only at direct request of the City > No direct interaction with the media unless under approval and in company of the City
Special Capabilities of Cardno Team	Related Benefits to City
<ul style="list-style-type: none"> > Established relationships with regulatory agencies > Success obtaining \$30 million in grant funds for clients > In-house expertise in urban redevelopment programs and public involvement > Staff with relevant experience in local public service 	<ul style="list-style-type: none"> > High rate of success in obtaining the full range of permits for public works projects > Meaningful support to the funding of City's conceptual plan > Capability to serve the City's comprehensive need that extend beyond strict engineering

Cardno understands the need to be financially responsible and mindful of budget constraints. Once a scope of services is agreed upon for a given assignment, Cardno will propose a reasonable fee that reflects the effort required to satisfy the scope with a quality set of project documents.



Quality Assurance/Quality Control. The QA/QC component of the organization is as important as the design and plans production process. Cardno has strong company policies on quality, employee workmanship, and error prevention. We know the City expects deliverables that have been thoroughly reviewed by highly qualified professionals. We believe the QA/QC component of our approach is a critical element of the design production process, so Cardno has robust QA policies in place.

Although our design professionals follow stringent internal QA/QC processes, senior professionals in each design discipline will perform independent reviews to ensure a quality product. These reviews focus not only on technical design standards and project scope requirements, but also on conflicts, cost, and constructability. Our QA/QC process emphasizes early identification of potential issues to minimize impacts to construction or the schedule.

The formal documentation process Cardno provides on every project will be detailed in a QC Plan that outlines the process and assures clear assignments of responsibilities to Cardno project team members. To summarize:

Quality Control (QC) Review – The purpose of the QC review is to check that design criteria, reports, studies, calculations, plans and other deliverables are in conformance with the contract and industry standards, procedures and details.

Quality Assurance (QA) Review – The purpose of the QA review is to verify the QC procedure has been properly executed. Cardno will conduct in-house QA reviews on the project prior to each submittal.

QA/QC Process. Cardno uses a five-step QA/QC process to ensure all reports, recommendations, and designs are thoroughly checked and reviewed by qualified professionals. The plan is documented using a responsibility sign-off stamp (pictured at right) and color-coded markups to track checking and back-checking. All project deliverables are peer reviewed by staff who have not been directly involved in their development. The level of review and processes are tailored to the individual work task. Each work task is thoroughly reviewed and a QA/QC Plan developed to meet the project specific

CARDNO QUALITY CONTROL TRACKING STAMP					INITIAL	DATE
PHASE	I	II	III	IV	___%	
READY FOR QC (RP)						
QC REVIEW (QCR)						
YELLOW = OK, RED = CORRECTION, GRAPHITE = NOTES						
CONCURRENCE (RP)						
BLUE CHECK = OK, BLUE X-OUT = NO CHANGE						
CHANGES MADE						
ORANGE OVER RED						
VERIFIED (QCR)						
GREEN CHECK = OK, GREEN CIRCLE = FIX						
RESPONSIBLE PROFESSIONAL = (RP), QC REVIEWER = (QCR)						

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details, including the assignment of qualified staff. The project specific QA/QC Plan will be submitted to the City's Project Manager for review and comment.

Each subconsultant will follow approved procedures, document their QC activities, and make each document available for QA reviews and compliance audits. Subconsultants will certify their work is performed in accordance with the approved QC Plan prior to a phase submittal. Cardno will be responsible for subconsultants' utilization of the QA/QC Plan.

- > QC peer reviews will be coordinated on all work and documents prior to submittal. The reviewers will not be involved in the design process being evaluated and will serve as a "fresh set of eyes."
- > Quality Reviewers will check for economy, constructability, maintainability, accuracy, adherence to standards and guidelines, adherence to project specific requirements, completeness, and format.
- > QC checking procedures will require documents to be marked for "QC Review," signed, and dated by the Quality Reviewers. All corrections/comments will be marked in red. Normally, correct information is noted by a red dot or highlighted with yellow.
- > All deliverables will be checked for accuracy, presentation, form, format, and readability.
- > The Task Assignment Manager and Responsible Professionals (Originators) will review all corrections and/or comments received from the Quality Reviewers.
- > The Originator will indicate concurrence with a blue check mark at each correction and/or comment.
- > Corrections that are appropriate will be transferred to the original production documents.
- > Reviewers will back-check the production documents and verify each change for incorporation and correctness with a green checkmark to ensure that all corrections and/or comments have been incorporated within the documents.
- > An independent final spot-check of the production documents will be performed prior to submittal to the QC Reviewers.
- > Sufficiency checklists and other in-house checklists will be incorporated into all phase reviews to ensure that required information is provided with the submittal.
- > All participants in the checking and back-checking procedure will utilize a responsibility sign-off stamp to organize and track the procedure and to signify the completeness and accuracy of each participant's part of the procedure.
- > All QC-reviewed documents and checklists will be retained in an organized file until the end of each phase submittal, or included with each submittal as required.

The QC Reviewer will utilize Cardno's check and balance procedures to perform a final independent QC review prior to each submittal.

Staff Commitments and Availability. The Cardno team offers the largest combination of pertinent resources available with the depth of personnel to effectively serve the City's needs under this contract in a timely and cost-effective manner. The table below illustrates Cardno's Staff Commitments and Availability for the length of this contract.

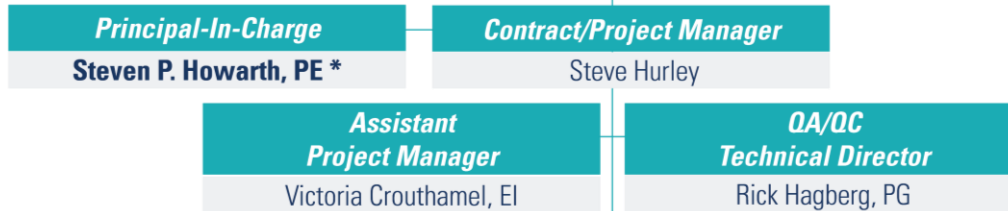


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Organizational Chart

Environmental Engineering Services



Proposed Cardno Staff

Site Investigation/Remediation Services

Rick Hagberg, PG
Terry Griffin, PG, CGWP
Victoria Crouthamel, EI
Greg Schultz, PE

Hydrogeology

Thomas Burke, PE
Terry Griffin, PG, CGWP
Gary Susdorf

Ecology

Joshua Diamond, PhD
John Bailey, PWS

Energy Resources and Restoration Support Services

Mile Ballogg
Rick Hagberg, PG
Amy Worsham, AICP
Thomas Burke, PE
Steven P. Howarth, PE

Industrial Hygiene

Rick Hagberg, PG
Greg Schultz, PE
Shawn Lasseter

Underground Storage Tank (UST) Services

Rick Hagberg, PG
Steven P. Howarth, PE
Joe Marsh, EI

Phase I/II Environmental Site Assessments (ESAs)

Rick Hagberg, PG
Greg Schultz, PE
Joe Marsh, EI
Terry Griffin, PG, CGWP
Shawn Lasseter

Water Quality

Gary Susdorf
Thomas Burke, PE
David Hire
Rick Hagberg, PG

Coastal Engineering

Douglas Stoker, PE
Ananda Bergeron, PE
Chris Gamache, PE, CBI
Rick Hagberg, PG
Sharon Niemczyk

Structures Engineering

Ananda Bergeron, PEE
Douglas Stoker, PE
Chris Gamache, PE, CBI

Permitting

Sharon Niemczyk
John Bailey, PWS
Jason Lancaster, PWS
Thomas Burke, PE

Wetland & Cultural Resources

Matt Lybolt, PhD
Sharon Niemczyk
John Bailey, PWS

Real Estate Support Services

Steven P. Howarth, PE (licensed broker)
Rick Hagberg, PG
Victoria Crouthamel, EI
Tom Burke, PE
Amy Worsham, AICP

Brownfields/Grant Funding Assistance

Amy Worsham, AICP
Mile Ballogg
Leslie Sykes, AICP, CGW

Subconsultants

Environmental Drilling

JAEE Environmental, Inc.

Laboratory

Advanced Environmental Laboratories
Jupiter Environmental Laboratories, Inc.

Excavation

WD Environmental Services, Inc.

Asbestos/Lead Based Pint

Greenfield Environmental, Inc.

*** Steve Howarth is a duly authorized officer, empowered with the right to bind Cardno to this RFQ. This is further supported by Sunbiz.org details included in the required forms section.**

Note: Depending on the task assignment, Cardno will identify specialty subconsultants as needed with approval from the City.

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Demonstration of key personnel expertise in listed disciplines.

Scope of Services	Steve Hurley	Victoria Crouthamel, EI	Rick Hagberg, PG	Steve Howarth, PE	Terry Griffin, PG	Greg Schultz, PE	Thomas Burke, PE	Gary Susdorf	Joshua Diamond, PhD	John Bailey, PWS	Miles Ballogg	Shawn Lasseter	Amy Worsham, AICP	Joe Marsh, EI	David Hire	Douglas Stoker, PE	Ananda Bergeron, PR	Chris Gamache, PE, CBI	Sharon Niemczyk	Jason Lancaster, PWS, CEP, CE, TN-QHP	Matt Lybolt, PhD	Leslie Sykes, AICP, CGW
Contaminated Site Investigation	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓				✓			
Remediation Services		✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓							
Site History Reviews	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Hydrogeological Investigations			✓	✓	✓	✓	✓	✓							✓							
Cost Assessment of Remedial Options	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓							
Engineering Design of Remedial Systems		✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓							
Permitting	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Remedial System Construction Oversight			✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓							
Resident Project Representative Services	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓			✓	✓	✓				✓
Industrial Monitoring			✓	✓	✓	✓	✓	✓			✓		✓			✓						
Health and Safety Compliance	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Laboratory Compliance		✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓		✓	✓		✓	✓		✓
Asbestos and Lead Based Paint Management			✓			✓																
Underground Storage Tank Site Services (UST)			✓	✓		✓	✓				✓	✓		✓	✓	✓						✓
Monitoring Well System Design			✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓							
Installation Oversight			✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓							
UST Removal/Replacement Oversight/Assessments			✓	✓	✓	✓	✓		✓		✓	✓	✓	✓								
Contamination Assessment			✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓					✓
Remedial System Design/Installation			✓	✓	✓	✓		✓			✓		✓	✓	✓	✓						
Remedial System Management/Design			✓	✓	✓	✓		✓			✓		✓	✓	✓							
Spill Prevention, Control, And Countermeasure (SPCC)			✓	✓		✓	✓	✓					✓	✓								
Local Permit Applications	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Phase I/II ESAs		✓	✓	✓	✓	✓		✓					✓	✓	✓							
Construction Administration	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Dock Design	✓	✓	✓				✓									✓	✓	✓	✓	✓	✓	✓
Marina Design	✓	✓	✓													✓	✓	✓	✓	✓		
Seawall Inspection			✓													✓	✓	✓	✓			
Seawall Rehabilitation			✓													✓	✓	✓	✓			
Bridge Design																✓	✓	✓				
Erosion Control	✓	✓	✓	✓			✓			✓			✓			✓	✓	✓	✓			
Beach Design/ Re-Nourishment	✓	✓	✓				✓									✓	✓	✓	✓			
Shoreline Restoration	✓	✓	✓				✓									✓	✓	✓	✓			



Mr. Hurley is a Key West Resident with over 30 years experience in roadway design, project engineering management, environmental, and land planning projects. He was employed by Lee County, FDOT as a roadway designer for in-house roadway, signal and intersection improvements. He has completed utility, minor and major highway improvements for the City of Fort Myers, Florida, City of Cape Coral DOT, and Lee County DOT. He currently manages a wide range of projects in the Florida Keys.

Years of Experience: 30
American Society of
Civil Engineers
Florida Engineering
Society
National Society of
Professional Engineers

Project Experience

Professional Engineering Services, City of Marathon, Florida. Cardno (DDAI) has held the City of Marathon Professional Engineering Services Contract since 2013. We have performed many minor design and permitting services for infrastructure style projects as well as planning services as needed. Currently, we are finalizing several design and permitting projects for the City of Marathon and look forward to continue our professional Services in this capacity.

Some tasks under this contract include:

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| > Boca Chica Road | > Misc. Canal Restoration Projects | > Canal Restoration Projects |
| > Sombrero Beach Reconstruction, Renourishment, and Repair | > Ocean Front Park | > 89th Street Canal Restoration |
| > The Quay Parcel Boat Ramp Parking and General Parking Improvements | > Aviation Boat Ramp | > Miscellaneous CEI tasks |
| > Grassy Key Grinder Pump Station | > Avenue "L" CEI | > Miscellaneous Drainage Services #2 |
| > Utility Design Services | > Marriott F.M. As-Builts | > Building Plans Review |
| > Fire Department Misc Fire Hydrants | > 89th Street Culvert Crossing | > Multi Use Projects |
| > Big Coppitt Fire Station No. 9 | > Plant 5 upgrade | > Marriott Force Main CEI |
| > Area 6 Force Main Modeling | > Plants 5/6 Platform Upgrades | > Sombrero Vac Main |
| > Key Largo Community Park | > Area 3/6 Lift station Designs | > Area 3 & 6 Force Main Design |
| | > Area 6 CEI | > Avenue I |
| | > Miscellaneous Utility projects | > 33rd Street Community Building Site |

Professional Engineering Services, Monroe County, Florida. Project Manager for this contract. Tasks design and preparation of plans for various infrastructure and transportation engineering projects, preparation of contract documents for bidding, scope of work, tabulations and review of bids, recommendation of contract award, cost estimating during design and document preparation, administration of contract documents, consultation and on site inspections during construction, process shop drawings, recommend approval of contractor invoices, preparation and submittal of permit applications, zoning applications and presentations to the County Commission.

Sombrero Beach Reconstruction, Renourishment, and Repair, City of Marathon, Florida. FEMA construction of Sombrero Beach and Public Works facilities that were destroyed by Hurricane Irma. Project includes repair of fishing pier, reconstructing sidewalk, bathhouses, and shower facilities, dunes with sea oats and ground cover and renourishment of sea grasses by underwater planting of plant material.

Zoning/Public Hearings, Lee County, Florida. Prepared Planned Development and Conditional Use Applications for numerous zoning / land use change projects. The projects ranged in size from 1 – 70 acres (residential, commercial and industrial). Projects included but were limited to deviation and variance request, community and neighborhood meetings. Attend and present proposals to Lee County Hearing Examiner, Planning Boards, Board of Adjustments, City Council and Board of County Commissioners. Additionally, design and coordination efforts for access on a state, county or municipality were provided.

Cost-to-Cure, Lee County, Florida. Provided conceptual design services for Lee County as it related to Rights of Ways acquisitions to private property. Design services included access, parking, buffering, open space and setbacks. Additionally, utility and infrastructure conflicts were determined. Cost Opinions were generated to help aide to municipality in preparation of monetary negotiations.

Code Compliance Reviews, City of Marathon, Florida. Coordinated with the City of Marathon on a daily basis to assist in building permit reviews, site visits for complaint issues, prepare review letters and RAI's, performed inspections as it related to site, drainage and Utility infrastructure for certifications and final completions. Provided assistance in FDEP, DOH and SFWMD permit reviews.

The Oasis, City of Fort Myers, Florida. Responsible for successful planning, engineering design and construction observation for the 16.30 acre, Planned Unit Development (PUD). This 1079 unit, multi-family residential project consists of five high-rise towers (29 stories each tower) along the Caloosahatchee River in the Fort Myers Downtown Core area. The site amenities include three pools, fitness and tennis center, restaurant with outdoor seating, grilling area and private residential services. Also included is a dry storage facility for boats, a public boat ramp and trailer parking with outside public amenities. The outside public amenities also include a continuation of the East Riverside Community Center boardwalk, creating a riverfront pedestrian access way along the Caloosahatchee River.



Mrs. Crouthamel is a Little Torch Key resident and valued member of the Cardno team with five years of experience working in Environmental/Civil Consulting throughout the Florida Keys. She is currently providing Civil Engineering Design services, permitting, and environmental planning for all types of projects. Mrs. Crouthamel is proficient in AutoCAD, ArcGIS, Excel, state, local and federal grants and many other programs.

Years of Experience: 5
BS, Environmental Engineering, 1999
Registered Engineer Intern FL #62449
Society of Women Engineers (SWE)

Project Experience

City of Key West Surface Water Drainage System Maintenance Manual, Key West, Florida. Development of a surface water drainage maintenance manual for the system throughout the City of Key West for the prior compliance issues with the SFWMD. The project included evaluating the existing stormwater system, establishing maintenance requirements for the entire system and permitting for all maintenance requirements and events in order to improve the water quality throughout the City. The final document was a maintenance manual for City use.

Walker Marina, Key West, Florida. A private marina development located in Key West consisted of FDEP and ACOE permitting, water quality testing, marina management plans, benthic resource assessment and design team assistance for a private marina in an existing man-made basin. The project included a 75 slip marina, associated finger piers and marina amenities.

Environmental Compliance Inspections, Lower Keys, FDOT District 6, Florida. Monthly environmental compliance inspections for various bridge and roadway projects in the Lower Keys. Responsibilities included CEI coordination, monthly inspections and reports, environmental permit tracking and compliance issue resolutions.

Holiday Inn Express Expansion, Marathon, Florida. A private development located in Marathon consisted of design team assistance and permitting with the SFWMD and ACOE for a hotel expansion within a wetland habitat. The project included conservation easements and the development of the Crain Street East road removal and habitat restoration project for mitigation.

Catholic Charities, Key West, Florida. A private development located on Flagler Avenue, Key West consisted of design team assistance, permitting with the SFWMD and ACOE for the development of four (4) homeless shelter buildings. Responsibilities included habitat assessments, habitat mapping, SFWMD and ACOE permitting, design assistance, conservation easements and the development of a mitigation and habitat restoration plan.

City of Key West Miscellaneous Dock Permitting, Key West, Florida. Various inspections, benthic surveys and habitat assessments for the repair and replacement of several docks, seawalls and boat basins in the City of Key West. Responsibilities included preconstruction and post-construction benthic surveys, habitat assessments, habitat mapping and permitting assistance to the design team for the various repair and replacement projects in the City.

Enchanted Isle HDD Drill, Key West, Florida. A private development on Enchanted Isle off Key West included permitting, benthic resource assessment and design team assistance for a private Horizontal Directional Drill for utility connection to the island. Project also included construction oversight and compliance inspections.

City of Marathon Canal Restoration Projects, Florida. Multiple location culvert clearing and mangrove trimming to restore overgrown drainage canals throughout the City. Responsibilities include site assessments, FDEP mangrove trimming permitting and plan development for the City of Marathon.

Sonic Restaurant, Key West, Florida. Design Engineer responsible for the design and permitting of a new drive-thru restaurant in Key West. The project included site civil design, stormwater management system design for water quality, infrastructure connections and permitting through FDOT for two new driveway connections.

Tropical Getaways, Marathon, Florida. Design Engineer responsible for the civil site design of a new multi-family residential development. The project included a stormwater management system to ensure water quality, utilities for the proposed development and all site civil requirements. The project is currently in the permitting phase.

Various Sewer Connection Projects, Various Locations in the Keys, Florida. Design and permitting throughout the Keys. Responsibilities include design, construction plan preparation, and agency coordination.

Local Projects, City of Marathon, Florida. Ms. Crouthamel has completed various projects for the City of Marathon over the past several years. The projects included, but were not limited to engineering design, permitting, planning and CEI through Continuing Engineering Services Contracts.



As Manager of Cardno's Environmental Services Group, Mr. Hagberg directs all of Cardno's Environmental Services projects. He has extensive experience in industrial and hazardous waste assessment, remediation, including management of private and public sector projects. His project experience includes site assessment, environmental construction and remediation, industrial, petroleum, sanitary, and hazardous waste investigation and treatment, operational and transactional audits, training programs, permitting, multimedia field sampling, preparation of SPPP and SPCC plans, surface water and stormwater quality sampling and analysis, and potable water resource evaluations.

Years of Experience: 35
BS, Geology
Professional Geologist
FL #1956
National Brownfields
Association
National Water Well
Association

Project Experience

Environmental Site Assessments Services, Florida. Serves as Technical Director for site assessment and remedial activities on over 2500 potentially impacted sites located within Brownfield Redevelopment Target Areas in Florida. Assessment activities include AAI compliant ASTM Phase I/II ESAs, Brownfield Site Assessment Reports (BSAR), soil and groundwater remedial alternative analysis, regulatory negotiations and implementation of RBCA risk-based remedial strategies. Brownfield Assessment activities include AAI compliant ASTM Phase I/II ESAs, BSAR, soil and groundwater remedial alternative analysis and remedial action planning, regulatory negotiations and implementation of FAC 62-785 RBCA risk-based remedial strategies and Analysis of Brownfields Cleanup Alternatives. Mr. Hagberg has extensive project experience throughout South Florida and the Keys.

Underground Storage Tank Site Assessment/Remediation, FDEP, Florida. Serve as Technical Director on all Bureau of Waste Cleanup pre-approval petroleum storage tank site assessment/remediation projects for Cardno. Experience includes site assessment and remediation activities per FDEP scopes at over 250 former underground storage tank facilities throughout Florida. Assessments have included field sampling/analysis of both soil and groundwater to delineate contamination boundaries as well as historical, hydrogeological, and geological research and implementation of advanced/innovative remedial approaches including both in-situ and ex-situ bio-augmentation and chemically enhanced approaches.

EPA Brownfields Hazardous Materials and Petroleum Assessments Grants, TCRPC, Florida. Cardno is an ongoing Brownfields Redevelopment Consultant to the Treasure Coast Regional Planning Council. As Cardno's Technical Director Mr. Hagberg has managed or provided technical oversight of petroleum/hazardous materials site assessments, storage tank/source removals and closures, programmatic support and inventories. Major projects completed under this task-order based contract to date include over a two dozed site assessments, storage tank assessment and source removal projects, landfill redevelopment feasibility study and redevelopment of a former waste water treatment plant into a municipal waterfront park.

Phase I/II Site Assessments, Various Locations, Florida. Served as Senior Project Manager/Technical Director on over 4,000 Phase I ESAs and Phase II site assessments, including Brownfields, RCRA, CRCLA, and UST sites, prepared in accordance with ASTM Designation: E 1527-00 and ASTM E 1903-97 for major clients throughout the southeast.

Phase I/II ASTM Environmental Site Assessments, Southeastern US. Supervised and managed over 100 site assessments in Alabama, Georgia, Florida and South Carolina for a major Auto Parts Retailer and Distribution company. Activities include Phase I, Phase II ESA's, petroleum storage tank management services, ADEM/MDEQ/FDEP site assessment and remedial activities.

US Military/Federal Facilities – Various Locations, Southeastern United States. As Cardno's Technical Director Mr. Hagberg has managed or provided technical oversight of petroleum/hazardous materials site assessments, storage tank/source removals and closures, asbestos/LBP and Indoor Air Quality Assessments. Major projects completed to date include over a two dozen site assessments, storage tank management and assessment/remediation and asbestos/IAQ abatement projects. Projects include:

- > Key West Naval Air Station, Key West, FL
- > MacDill AFB – New SOCCENT HQ
- > Pensacola Naval Air Station, Pensacola, FL
- > Florida Army National Guard – 8 site locations in FL
- > Homestead AFB, Homestead, FL
- > Formerly Used Defense Sites (FUDS) – 3 sites in FL
- > Jacksonville Naval Air Station, Jacksonville, FL
- > US Postal Service – Gainesville, FL
- > King's Bay Naval Submarine Station, St. Mary, GA
- > US Postal Service – St. Petersburg, FL (2 sites)
- > Warner-Robbins AFB, Warner-Robbins, GA
- > US Navy Gulf Home Porting Environmental Impact Statement
- > Eglin AFB/Hurlburt Field, Ft. Walton Beach, FL (10 sites from Key West, FL to Corpus Christie, TX)

US Navy Home Porting Environmental Impact Statement, (Various), Gulf of Mexico. Assisted in the development of the Environmental Impact Statement (EIS) associated with the relocation/deployment of an Aircraft Carrier Support Group at various ports located within the Gulf of Mexico. Ports were evaluated included: Key West Naval Air Station, Pensacola NAS; Ingles Ship Yard, Mobile, AL, Pascagoula and Gulfport MS; Port Arthur and Corpus Christi, TX. Activities included assessment of base housing, infrastructure, stormwater, sanitary sewer systems, (black-water, gray- water), potable water, lead-based paint, asbestos and hazardous materials. Assessments included testing of ship repair facilities, dockage areas, sediments and soils, turbidity monitoring during dredging and beach re-nourishment activities in preparation for development/redevelopment.



Mr. Stoker has over 25 years of experience with marine structures, bridges, environmental permitting and other heavy civil construction throughout Florida. He has designed countless bulkheads including very tall steel sheet pile walls with multiple rows of anchors. He has analyzed and designed seaport facilities for the static and dynamic loading from container handlers and reach stackers. Mr. Stoker's experience includes design/build, construction management at risk, and conventional project delivery. Doug also specializes in boat ramp condition assessments and investigations, design and repair, and permitting including FDEP and US Army Corps of Engineers.

Years of Experience: 25
ME, Civil Engineering
BSCE, Civil Engineering
Professional Engineering
FL #50659
National Society of
Professional Engineers
Florida Engineering Society

Project Experience

South Roosevelt Boulevard Seawall Repair, Key West, Florida. Structures Engineer. Assisted with the design of a replacement 4,500-foot-long seawall that had deteriorated due to age and exhibited undermining and erosion throughout. The seawall is critical to protect the adjacent landward facilities including utilities, a sidewalk/promenade, and access to Key West International Airport. Successfully received an exemption from the SFWMD on behalf of the City, with consent of use from the state submerged lands impacted. Communicated with the adjacent property owner, FDOT District Six, and representatives of the state who were coordinating FEMA funding to retain grant money for the project. The wall was comprised of cantilevered pre-stressed concrete sheetpiles with a reinforced concrete cap. Additives in the concrete combined with prestressing were used to meet the desired service life of 75-100 years.

Pier A Monopile, Key West, Florida. Structures Engineer. Assisted with the design of a 48-inch diameter steel pipe monopile designed with a bollard to facilitate attachment of vessel mooring lines. A 75-ton design capacity necessitated an overall pile length of 80 feet to provide sufficient lateral resistance in the inconsistent subsurface material. Engineers inspected the pier prior to design and coordinated survey. Special precautions were taken during geotechnical investigation not to disrupt pedestrian traffic on the pier, and included soil borings being taken from a barge. A reinforced concrete column within the substructure of a severely deteriorated pier supported the existing bollard. The contract called for designing the monopile within the limits of the pier, as close to existing bollards as possible. Therefore, the design required removal of a section of deck with additional pilings installed to support the remaining structure.

Mallory Square Berthing Dolphin, Key West, Florida. Structures Engineer. Assisted with design of various mooring structures to the Mallory Square Port Facility. The intent of this project was to improve the terminal's capacity for accommodating large cruise ships. Initially, one new berthing dolphin for the south end of the facility was designed. This design consisted of eight 24-inch square prestressed concrete piles supporting a reinforced concrete cap. Subsequent to construction of the new berthing dolphin, errant vessels collided with two of the existing dolphins, the new dolphin, and the adjacent passenger and provisions loading dock on four separate occasions. The collisions occurred because of severe weather conditions, equipment failure, and operator error. Completed on-site emergency inspections and developed full reports with recommendations for repair or replacement, cost estimates, photographs, and underwater video.

White Street Pier, Key West, Florida. Structures Engineer. The existing 1,000-foot-long pier was a fill type pier constructed of continuous, reinforced concrete panel bulkheads around its perimeter. An asphalt riding surface covered a limerock-based fill, with reinforced concrete sidewalks and barrier walls on each side of the roadway. The existing pier acted as a jetty and disrupted the natural littoral flow of the surrounding waters, resulting in an accumulation of foul-smelling organic material and debris on one side of the pier. Two openings in the pier were designed to allow the water to circulate and reduce accumulation of debris. This resolved permitting requirements to reconstruct the adjacent beach in addition to improving the adjacent waterfront park. The two openings consisted of five-spans near the shore and a single-span at the seaward end of the pier.

Belleair Causeway, Pinellas, Florida. Project Manager for the design and permitting of a replacement dock system for recreational and commercial use in support of a 10-lane boat ramp. The facility was hardened to handle the difficult coastal conditions including significant wave forces from storm events. This replacement dock system successfully weathered the impacts and surge created by Hurricane Irma.

Moore's Creek Seawall Replacement, Fort Pierce, Florida. Construction Manager at Risk overseeing construction plans preparation and construction for 1,200 feet of anchored concrete seawall along Moore's Creek. The wall was design to inhibit the leakage of contaminated soil and groundwater. Construction activities were carefully controlled to avoid the discharge of existing in-situ hazardous materials.

Sutherland Bayou Boat Ramp, Pinellas County, Florida. Lead engineer for the design and detailing of the replacement boat ramp in support of the public facility included 70 parking spaces, a designated boat rinse area, and restroom facilities.

Citywide Seawall Evaluation, St. Petersburg, Florida. Engineer for inspecting, assessing, and categorizing the entire length of the City-owned seawall. Cardno is performing Phase I of the seawall inspection project, which includes approximately 13,000 linear feet of the City's overall 75,000 linear feet of seawall. Cardno structural engineers are collaborating with in-house asset management staff to provide the City with a GIS-based data set of the wall assessments.

- Environmental Engineering Services
- Coastal Engineering Services



STAFF BIOS AND QUALIFICATIONS



THOMAS BURKE, PE

PE FL #58566; BS, ENVIRONMENTAL ENGINEERING

Mr. Burke is an environmental engineer experienced in site development and permitting throughout Key West and other local, state, and federal agencies; environmental resource permitting through various Water Management Districts; water resources evaluation and management studies; and noise and air quality monitoring, modeling, and permitting. He has served as the Engineer of Record on numerous development projects ranging from small residential and commercial sites through multiple-lot subdivisions and commercial parks. Construction document experience includes preparation of master site plans, dimension plans, utility plans, paving, grading, and drainage plans, details & specifications, bid document preparation, and permitting. Water resources experience includes surface water hydrology and nutrient loadings studies and design and implementation of large-scale surface water monitoring programs. His air resources experience includes mobile and stationary source emission inventories and dispersion modeling for Developments of Regional Impact studies and developing noise monitoring plans for compliance analysis. Environmental documentation experience includes preparation of a number of Environmental Assessments and Environmental Impact Statements.

- > **Key West Background Turbidity Monitoring, Key West, Florida.** Responsibilities included coordinating with Naval Base security, Coast Guard, and the City of Key West; constructing, servicing, and repairing monitoring stations and instruments; reducing, evaluating, and transmitting collected data; measuring water current speed and direction; maintaining all field documentation; and assisting with report preparation and data presentation.
- > **Key West Background Turbidity Monitoring, Key West, Florida.** Field Team Leader. Responsibilities included coordinating with Naval Base security, Coast Guard, and the City of Key West; constructing, servicing, and repairing monitoring stations and instruments; reducing, evaluating, and transmitting collected data; measuring water current speed and direction; maintaining all field documentation; and assisting with report preparation and data presentation.



GREG SCHULTZ, PE

PE FL #57586; BS, ENVIRONMENTAL ENGINEERING

Mr. Schultz is responsible for coordinating project activities and communicating with clients on environmental, contamination assessment, remediation, and brownfields redevelopment projects. His combination of experience and project management skills are used to present cost-effective, timely work to public and private sector clients.



STEVEN P. HOWARTH, PE

PE FL #50600; REAL ESTATE BROKER FL #3027817; BS, CIVIL ENGINEERING; MBA

Mr. Howarth has 31 years of civil and environmental engineering experience including management, planning, design, QC, and construction services. He specializes in civil design, environmental management, and planning projects for public and private sector clients. Steve manages numerous multi-disciplinary projects and general engineering contracts. He has provided services to cities, counties, state government, federal government, airports/ports, water management districts, educational facilities, and private developers. Projects have included regional redevelopment projects, public facilities, parks/trails, stormwater improvements, environmental assessment/cleanup, brownfields, and petroleum storage tank management.



TERRY GRIFFIN, PG, CGWP

PG FL #135; MS, HYDROGEOLOGY; BS, GEOLOGY

Mr. Griffin has 38 years of experience conducting geologic and hydrogeologic investigations. As a senior project manager with Cardno, Terry's responsibilities include management of complex hydrogeologic, groundwater, contamination assessment investigations, and remediation activities throughout the Southeast. He has conducted extensive research of chlorinated solvent assessment and remediation techniques, particularly DNAPL assessment techniques. His duties include management of complete site characterization efforts, remediation strategy development and system design, data evaluation and management, and optimization of ongoing remediation activities. He has served as PM for numerous environmental site assessments and has written RCRA Facility Investigation (RFI) Work Plans and/or Reports, and Corrective Measures Work Plans and Studies for more than 80 solid waste management units. He has also managed several municipal wellfields in central Florida and has negotiated numerous permits ranging from municipal water supply, industrial water use, operation and closure of RCRA regulated units or facilities, and long-term care of municipal landfills. He has also managed the physical closure of such facilities/units.

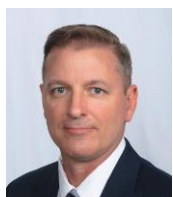
- Environmental Engineering Services
- Coastal Engineering Services

**GARY SUSDORF***EVERGLADES GEOLOGICAL SOCIETY, WATER ENVIRONMENT FEDERATION*

Mr. Susdorf has over 38 years' experience managing both small and large-scale projects for public/private sector clients. His experience includes environmental assessments groundwater hydrology, Aquifer Storage and Recovery, reverse osmosis supply, deep well injection, and geotechnical testing/analysis. His various experience, makes him familiar with all phases of project development, permitting, permit compliance, scheduling, and management.

JOSHUA DIAMOND, PHD*ENVIRONMENTAL SCIENCE; MS, ENVIRONMENTAL SCIENCE*

Dr. Diamond is an ecologist with advanced degrees in environmental science. He has seven years of experience working in Monroe County, Miami-Dade County, and various sites in The Keys. Dr. Diamond specializes in terrestrial ecosystems including pine rocklands, tropical hardwood hammocks, mangrove forests, and developed areas. He has experience collecting environmental data, conducting spatial analysis in ArcGIS, and publishing peer-reviewed scientific research. Prior to working with Cardno, he was a member of Florida International University's South Florida Terrestrial Ecosystems Laboratory at the Institute of Water and Environment. Shortly after completing his dissertation, he joined Cardno as an ecologist.

**JOHN BAILEY, PWS***MS, WETLAND ECOLOGY; BS, FOREST RESOURCE MANAGEMENT*

Mr. Bailey is a Certified Professional Wetland Scientist, an expert in wetland delineation and ecology, and has extensive botanical knowledge of, and experience in, South and Central Florida ecosystems. His master's research at the Center for Wetlands at the University of Florida focused on assessing changes in wetland plant communities associated with cattle ranching and ditching. His project experience is in ecological assessments of wetlands and uplands, environmental permitting, wetland delineation, wetland mitigation design, photo interpretation and vegetation mapping, wetland hydroperiod assessment, data analysis, and listed species surveys.

**SHAWN LASSETER***BA, BUSINESS ADMINISTRATION*

Ms. Lasseter is a senior environmental project manager with extensive experience in assessment and management of environmental projects. Her project experience includes Phase I/II Environmental Site Assessments (ESAs) and contamination assessments. She has assisted in the over 500 EPA-funded Phase I and or Phase II Brownfields Site Assessments, with numerous local governments and municipalities.

**MILES BALLOGG***BA, ENVIRONMENTAL SCIENCE AND BIOLOGY*

Mr. Ballogg serves as the Brownfields Practice Leader and Economic Development Director for Cardno. He assists public and private sector clients with land redevelopment programming, assessment, and remediation. Miles has been involved in the implementation of federal and state Brownfields programs for over 25 years. Miles provides comprehensive programmatic support, technical assistance, and project coordination for numerous Brownfield Redevelopment Projects utilizing EPA Assessment, Cleanup, Multi-Purpose, and Cleanup Revolving Loan funding, serving as Project Manager and/or Director for hundreds of EPA Brownfields Funded Assessments. He has assisted clients in obtaining over \$150 million in EPA Brownfields and other redevelopment-related grants and incentives.

**AMY WORSHAM, AICP***MA, URBAN AND REGIONAL PLANNING; BS, SUSTAINABILITY/BUILT ENVIRONMENT*

Ms. Worsham's educational and professional background in sustainability, urban planning, and geology make her uniquely qualified in assisting public and private sector clients with planning and redevelopment. She takes a comprehensive approach and has completed the technical work on sites from environmental assessment through remediation. Ms. Worsham works as a liaison between her clients and regulatory agencies to ease the process of site closures and obtaining available economic incentives. Amy has assisted public sector clients in securing and implementing federal Brownfields funding, and has assisted both private and public sector clients in securing state Brownfields funding.

**ANANDA BERGERON, PE***PE FL #65632 MS, CIVIL ENGINEERING; BS, CIVIL ENGINEERING*

Ms. Bergeron has 18 years of wide-ranging experience in structural engineering, including marine structures design. Her vast experience includes the piers, docks, marinas, erosion control, fender structures, seawalls, combi-walls, structural slabs, and coastal bridges. In addition to new design, she has experience with structural rehabilitation including cathodic protection systems and existing marine structural inspection and analysis including the Sunshine

Skyway Bridge.

- Environmental Engineering Services
- Coastal Engineering Services



CHRIS GAMACHE, PE, CBI

PE FL #82122 MA, CIVIL ENGINEERING

Mr. Gamache is a structural engineer, qualified bridge inspector and project manager with 18 years of experience on bridge and transportation-related projects. Chris is proficient with steel, concrete, timber, prestressed beam, cantilever abutment/retaining wall, deep foundation, reinforced elastomeric bearing, sheet pile/soldier pile wall, bulkhead, and substructure tieback design. He has considerable experience with single and multiple span bridges, deep and shallow foundations, seawall inspection, bridge rehabilitation and replacement, truss bridges, railroad bridges, staged construction, accelerated construction techniques, precast components, SPMT bridge moves, and PBU superstructures.



SHARON NIEMCZYK

BS, BIOLOGY

Ms. Sharon Niemczyk has 22 years of experience in the environmental sciences, coastal ecosystems management. She has expertise in regulatory review of coastal construction projects and management of resource protection in accordance with the NEPA process. She has proven experience in planning and strategic positioning for targeted water and natural resources, ports, harbors and waterway projects. She advises clients on environmental resource protection measures, streamlined project approaches and regulatory guidance with additional focus on minimization of resource impacts, water quality protection measures and county wide dredging measures. Previously Ms. Niemczyk has worked for the SFWMD, FDEP, and the U.S. Army Corps of Engineers where she primarily handled complex regulatory issues.



JASON LANCASTER, PWS, CEP, CE, TN-QHP

BS, ENVIRONMENTAL SCIENCE; MPH EPIDEMIOLOGY

Mr. Lancaster is an environmental consultant and permitting specialist with 21 years of experience. He has developed and implemented a number of studies on upland, wetland, riverine, and other aquatic systems throughout Florida and southeastern United States. These studies included wetland and upland assessments including conservation and restoration studies related to developmental concerns, effects of discharges from industrial, commercial and domestic wastewater facilities into receiving bodies, and coastal habitat restoration and development.



MATT LYBOLT, PHD

PHD, MARINE ECOLOGY; MS, BIOLOGICAL OCEANOGRAPHY; BS, BIOLOGY

Dr. Lybolt is a marine ecologist and scientific diver with experience in government, academia, and consulting. His expertise has focused on coral reef ecosystems, including resource management, permitting, and research with a strong background in benthic marine ecology, statistical analyses, coral reefs, and climate change. His career path reflects ongoing cycles between theory and application in the disciplines of coral reef ecology, mangrove and seagrass ecology, geomorphology, climate change, and beaches and coastal processes – particularly in the tropics and sub-tropics.



LESLIE SYKES, AICP, CGW

MA, URBAN AND REGIONAL PLANNING; BA, POLITICAL SCIENCE

Ms. Sykes has more than 20 years of experience writing and managing the preparation of successful brownfield and economic development grants throughout Florida. As a certified urban planner, her complimentary professional understanding of economic development, urban and rural growth patterns, engineering standards, as well as environmental and land development regulations lend a leading advantage over writers from beyond the industry. She has worked on several of the largest redevelopment projects in the State of Florida.

RELEVANT PROJECT EXPERIENCE

Environmental Services, Assessments, and Brownfields Revolving Loan

Client Information:

Treasure Coast Regional Planning Council (TCRPC)
301 East Ocean Blvd., Suite 300
Stuart, Florida 34904

Client Reference:

Stephanie Heidt 772.221.4060
Project Location:
Stuart, Florida

Project Fees:

Varies by task work order/project

Project Description: Cardno has been involved with TCRPC's Brownfields Program since 2004 and served as the primary consultant for their EPA Brownfields Cleanup Revolving Loan Fund (BCRLF) and Consultant for all EPA Brownfields Assessment Grants Awarded to TCRPC. Cardno has also assisted the TCRPC in obtaining over \$2.5 million in grant funding since 2007.

Cardno has provided brownfields community engagement/involvement and outreach support through facilitating rural community workshops and presentations on a local, state, regional and national level. In addition to major Cleanup/Redevelopment Projects under TCRPC BCRLF projects, Cardno has conducted over 40 EPA funded Brownfields Assessments, including Phase I/II ESAs and an area-

- Environmental Engineering Services
- Coastal Engineering Services



wide Environmental Database inventory. Cardno recently conducted assessment activities under TCRPC's ARRA (stimulus) RLF Supplemental Grant.

Highlighted Brownfields RLF Remediation and Redevelopment Projects

H.D. King Power Plant Remediation – Cardno was contracted by TCRPC and the City of Ft. Pierce to provide brownfield consulting services and perform environmental assessment and remediation for the former H.D. King power plant in downtown Ft. Pierce. Cardno successfully removed approximately 40,000 tons of PCB, petroleum- and metals-impacted soils and appurtenances related to the former power plant, with removal actions structured to maximize annual Voluntary Cleanup Tax Credit (VCTC) recovery. Cardno's work on the project also included design, permitting and replacement of +/-1,100 feet of seawall adjacent to the contaminated area.

Primary project issues involved obtaining funding to allow the project to proceed through completion. To address the needed funding, Cardno prepared grant applications for each parcel and the City was awarded 3 EPA Brownfields Cleanup Grants totaling \$600,000. RLF, ARRA grant funding and reinvestment from the sale of over \$2.5 million in VCTCs, was also used to fund the project and repay RLF loans.

Off-site contamination delineation was not necessary and unconditional SRCOs were obtained on two of the three power plant parcels. A conditional SRCO was approved for the main power plant parcel in May 2018 utilizing an Institutional Control (deed restriction) to prevent the use of contaminated groundwater on a portion of the site. Cardno successfully negotiated limiting the groundwater use restriction to a small portion of the site in order to maximize the redevelopment potential of the property.

Cardno conducted the following activities for this project.

- | | | |
|---|---|---|
| > Grant writing assistance for Three \$200,000 Brownfields Cleanup Grants | > Analysis of EPA Brownfields Cleanup Alternatives (ABCA) QAPPs | > Asbestos sampling and abatement |
| > Phase I ESAs (three separate parcels comprising the HD King Site) | > Community Relations Plan (CRP) | > Regulatory forensics to mitigate sovereign submerged lands/ecological impacts |
| > Phase II ESAs (three separate parcels) | > EPA TSCA Work Plan | |
| > Petroleum storage tank removal | > ISR Plans and Reports | > Obtained SRCOs for all three parcels |
| | > Site assessment reports (3) | |

General Brownfields Revolving Loan Fund and Assessment Programmatic Support to TCRPC

- | | |
|--|---|
| > EPA Brownfields Programmatic Support including support to maintain compliance with the EPA Assessment and BCRLF Grants Terms and conditions. | > Participated in public meetings regarding brownfields redevelopment projects |
| > Assistance with EPA Eligibility Determinations | > Provided brownfields community awareness through workshop presentations including 2018 Florida APA Conference Co-presentation on Brownfields |
| > Completion of EPA required forms including MBE/WBE | > Developed several community involvement plans and received public comment on numerous Analysis of Cleanup Alternatives for TCRPC BCRLF projects |
| > EPA ACRES database Assistance | > Presented on TCRPC Brownfields Successes at local, state, regional and national Brownfields Conferences |
| > EPA Quarterly Report and Grant Closeout Assistance | > Provided Environmental Risk Communication to multiple stakeholders pertaining to Environmental Assessment and Remediation Projects |
| > Development of TCRPC's EPA Quality Assurance Management Plan and Site Specific Quality Assurance Project Plans for TCRPC BCRLF and Assessment Grants | > Provided other on demand Community Engagement and Outreach services |
| > Davis Bacon and other Federal Cross Cutting Support | > Conducted Area Wide Environmental Database and Brownfields Inventories for seven redevelopment areas within Martin County |
| > General Community Engagement/Involvement and Outreach Support to TCRPC | |
| > Facilitated Brownfields Resources for Rural Communities Workshop sponsored by the National Association of Redevelopment Agencies | |
| > Supported TCRPC BCRLF Program with numerous local board and commission presentations. | |
| > Inventory and Environmental Database Search | |

Representative TCRPC Brownfields Cleanup Revolving Loan Fund Project Experience

- > **Anchorage Park Redevelopment (Village of North Palm Beach)** – Provided Comprehensive BCRLF Clean Up services to fund the removal of former wastewater plant sludge, underground storage tank, dredge material, asbestos containing material and other appurtenances to transform the site into a multipurpose waterfront park. Work included QAPP development, ABCA and extensive community involvement and engagement, visioning and public meeting support. Cardno also provided qualified environmental professional contractor oversight and developed contractor/bid specifications.
- > **Pahokee Plaza Redevelopment Project** – Provided comprehensive BCRLF Cleanup services to abate mold, asbestos and lead-based paint from existing buildings and provided for the cleanup of arsenic contaminated soil. Cardno also developed a QAPP, CRP and ABCA, and provided QEP contractor oversight.

- Environmental Engineering Services
- Coastal Engineering Services



Representative Brownfields Assessment and Redevelopment Assistance

- > **Northwood Redevelopment Area (West Palm Beach Redevelopment Agency)** – Extensive Brownfields Site Assessment, Remedial Planning, and Brownfields Site Rehabilitation Agreement services for this project that will ultimately result in a mixed use development within the Northwood Community Redevelopment Area, once impaired by numerous auto repair, underground storage, dry cleaner, and environmental stigmatized sites. This project included Phase I/II ESAs, QAPP and Remedial Cost estimating, and FDEP Remedial Action Health and Safety Plan, Brownfields Site Rehabilitation Agreement Plan. Remediation efforts are ongoing.
- > **Pahokee Plaza (City of Pahokee)** – Phase I ESA, Quality Assurance Project Plan, Health and Safety Plan, and Phase II ESA to prepare this former underground storage tank site for an economic or community development project. Supplemental assessment has included arsenic background analysis and remedial cost estimating. This project resulted in a major TCRPC BCRLF project.
- > **Pro Boats Site (Stuart, Florida)** – Phase I ESA, QAPP, Health and Safety Plan, and Phase II ESA for the expansion of a commercial business.
- > **480 US Highway 27 (South Bay, Florida)** – Phase I ESA, QAPP, Health and Safety Plan, Phase II ESA, and Limited Brownfields Site Assessment for the potential ongoing redevelopment on an abandoned gas station site at the entry way to the City of South Bay.
- > **Belle Glade and Pahokee Entryway**– HUD BEDI and HUD Section 108 Loan Fund Area Wide Environmental Assessments to provide NEPA environmental clearance and support major HUD Brownfields Economic Development Initiative (BEDI) and section 108 Loan Fund Projects.
- > **Ash Landfill Site (City of Pahokee)** – Preparation of a Groundwater Monitoring Plan for a former landfill site.
- > **1501 Avenue D (City of Ft. Pierce)** – Phase I ESA, Quality Assurance Project Plan, Health and Safety Plan and Phase II ESA for the potential redevelopment of this abandoned gas station property by the Ft. Pierce Redevelopment Agency.
- > **1511-1513 Tamarind Ave. (City of West Palm Beach)** – Phase I ESA, QAPP, Health and Safety Plan and Limited Site Assessment for the potential redevelopment of this abandoned gas station property.
- > **Former Fina Station 100 NW 5th Street Site (City of Belle Glade)** – Phase I ESA, QAPP, Health and Safety Plan, Underground Storage Tank and Lift Removal and Interim Source Removal.
- > **Lake Worth Landfill (City of Lake Worth)** – Phase I ESA and Landfill Feasibility Analysis, City Workshop and City Commission Presentation.
- > **3201 and 3211 Avenue J** – Phase I and Phase II ESAs to assist TCRPC and Palm Beach County in their due diligence efforts for expansion of an affordable housing complex in Riviera Beach. Soil and groundwater testing was conducted relative to historical on-site and off-site land uses, as well as an adjacent railroad track.
- > **Former Sabal Golf Club East** – Phase I and Phase II ESAs were conducted to determine if the site’s historical agricultural land use, as well as its most recent use as a golf course, would present encumbrances to site redevelopment and/or require special soil management during development.
- > **Boynton Beach Downtown Redevelopment** – Phase I and Phase II ESA services were conducted to determine if impacts remained from the former petroleum storage/use locations. In addition, Cardno provided asbestos screening services under the TCRPC grant, and assisted with groundwater monitoring under the FDEP petroleum cleanup program.
- > **Former Everglades Hospital** – Phase I ESA as part of due diligence associated with proposed redevelopment of an abandoned hospital in Pahokee, Florida.

Key Personnel: Rick Hagberg, PG; Tom Burke, PE; Rick Hagberg, PG; Miles Ballogg; Sharon Niemczyk, Greg Schultz, PE

General Environmental and Engineering Services

Client Information:

Manatee County
1022 26th Ave East
Bradenton, Florida 34208

Client Reference:

Sia Mollanazar, PE 941.708.7487

Project Location:

Manatee County, Florida

Project Fees: Varies by task work order/project

Project Description: Cardno provides a host of miscellaneous engineering services including:

- | | | | |
|--------------------------------|------------------------------------|------------------------|-------------------|
| > Environmental Remediation | > Environmental Assessments | > Water Supply | > Water Resources |
| > Environmental Impact Studies | > Utility Design | > Stormwater Design | > Hydrology |
| > Roadway Design | > Water Treatment and Distribution | > Irrigation, Drainage | > Wastewater |
| > Planning | | > Traffic Operations | |

- Environmental Engineering Services
- Coastal Engineering Services



Key Personnel: Doug Stoker, PE; Rick Hagberg, PG; Steve Howarth, PE; Terry Griffin, PG, CGWP; Joe Marsh, EI; Shawn Lasseter; Greg Schultz, PE; Miles Ballogg; Gary Susdorf; Tom Burke, PE; Jason Lancaster, PWS; Sharon Niemczyk

Anchorage Park Redevelopment – General Engineering Services

Client Information:

Treasure Coast Regional Planning Council
421 SW Camden Avenue
Stuart, Florida 34994

Client Reference:

Stephanie Heidt 772.221.4060

Project Location:

North Palm Beach, Florida

Project Fees: Professional Fees: \$650K
Construction Cost: \$3.5M

Project Description: Anchorage Park began as a mixed-use site predominantly occupied by an out-of-service wastewater treatment plant, water tower, dredge material piles and boat/RV parking. With nearly 75% of improvements funded by 5 agency grants, the site was master planned and transformed into one of the premier waterfront parks on the east coast of Florida. Cardno provided services including Phase I & Phase II ESAs, quality assurance & programmatic support, lead & asbestos surveys, tank closure, and petroleum contaminated sludge removal. Through several public involvement charrettes and evaluation of site alternatives, Cardno developed a master plan for the park with a phased approach to match available funds.

Through several public involvement charrettes and a thorough evaluation of many site alternatives, Cardno developed a master plan for the entire park with a phased approach to match available funds.

Key Challenges:

- > Funding Constraint
- > Phased construction approach to match available funds
- > Protection of waterfront seagrasses and other natural amenities
- > Balancing public's demand for water and land use features
- > Very strict deadlines and guidelines

Key Personnel: Rick Hagberg, PG; Miles Ballogg, Steve Howarth, PE; Terry Griffin, PG; Shawn Lasseter



General Engineering and Environmental Services

Client Information:

City of Gulfport
2401 53rd Street South
Gulfport, Florida 33707

Client Reference:

James O'Reilly 727.893.1009

Project Location:

City of Gulfport, Florida

Project Fees: Varies by task work order/project

Project Description: Cardno provides a host of miscellaneous engineering services to the City of Gulfport including:

- > Environmental Impact Studies
- > Water Resources
- > Environmental Remediation
- > Hydrology; Ground Water
- > NEPA Compliance
- > Planning
- > Landscape Architecture
- > Drainage Improvements
- > Phase I/II ESAs
- > Irrigation
- > EPA and FDEP Grant funding
- > Geographic Information Systems
- > Construction Services

Key Personnel: Doug Stoker, PE; Bryan Zarlenga, PE; Rick Hagberg, PG; Steve Howarth, PE; Terry Griffin, PG, CGWP; Joe Marsh, EI; Shawn Lasseter; Greg Schultz, PE; Miles Ballogg; Gary Susdorf; David Hire; Bryan Zarlenga, PE; Hamid Faraji, PE; Tom Burke, PE; Vasili Kostakis, PE; Lorrie Viola, PMP, LEED AP



Environmental Engineering Services

Client Information:

City of St. Petersburg
One 4th St North
St. Petersburg, Florida 33731

Client Reference:

Carlos Frey, PE 727.892.5380

Project Location:

St. Petersburg, Florida

Project Fees: \$1.2M (to date);
Construction varies by task work order/project

Project Description: Cardno has been an ongoing Consultant to the City of St. Petersburg for petroleum and hazardous materials consulting, storage tanks/facilities design, testing, assessment, remediation design, and construction-related services, through an existing general engineering contract since 1998. During that period, 20 projects included petroleum storage site assessments, source removals, storage tank design services and emergency responses at the City's fleet maintenance facility, wastewater treatment plants, police station and Albert Whitted airport and numerous other projects. representative projects include:

- > Assessment, source removal and remediation services at the City-owned former Atherton Oil facility near downtown St. Petersburg.
- > Cardno identified a former underground structure approximately 100,000 sf in size presumably associated with a former wastewater treatment facility at the City's Albert Whitted Airport. Since the City intended to develop this area, Cardno was

- Environmental Engineering Services
- Coastal Engineering Services



retained to remove the structure and contaminated materials. We provided turnkey services including construction and disposal services. Major tasks included excavation of over 10,000 tons of soil, dewatering, FDEP Generic Discharge permitting, waste disposal, removal/disposal of concrete structure, backfilling, and reporting.

- > Same-day emergency response to a diesel tank spill at the City's Southwest Water Reclamation Facility that occurred on a holiday Sunday. In addition to stabilizing the release, Cardno was retained to provide subsequent turnkey contaminated soil excavation/disposal, free product recovery, and reporting.
- > Wvaluation of potential impacts from the Jones Chemical site on two alternate routes for stormwater piping. Cardno's design team evaluated how solvent impacts to shallow and deep aquifers could impact construction activities along the east and west sides of the site.
- > Cardno provided soil assessment and interim source removal consulting services associated with the City's Police Department fire range.
- > City's fleet maintenance fueling system upgrades
- > Dali Museum soil sampling
- > 4th Street & MLK soil sampling
- > Police Department fueling system upgrades
- > Childs Park drainage improvements assessment



Key Personnel: Steve Howarth, PE; Rick Hagberg, PG; Miles Ballogg; Shawn Lasseter; Terry Griffin, PG, CGWP; Joe Marsh, EI; Bryan Zarlenga, PE; Tom Burke, PE

General Environmental and Engineering Services

Client Information:

Pinellas County
14 S Ft. Harrison Ave
Clearwater, Florida 33756

Client Reference:

Greg Cutrone, PE 727.464.4322

Project Location:

Pinellas County, Florida

Project Fees: Varies by task work order/project

Project Description: Cardno provides a host of miscellaneous engineering services:

- > Phase I/II ESAs
- > Environmental Services
- > NEPA Compliance
- > Hazardous Materials Management
- > Water Resources, Hydrology
- > Planning
- > Sidewalk/Trail Design
- > Petroleum & Fuel (Storage/Distribution)
- > Construction Management
- > Water Supply
- > Water Treatment and Distribution
- > Groundwater
- > Irrigation, Drainage



Key Personnel: Rick Hagberg, PG; Tom Burke, PE; Ananda Bergeron, PE; Chris Gamache, PE; Rick Hagberg, PG; Miles Ballogg; Sharon Niemczyk, Greg Schultz, PE; Joe Marsh, EI; Leslie Sykes, AICP; Lorrie Viola, PMP, LEED AP

General Environmental and Brownfields Services

Client Information:

Sarasota/Manatee MPO
7632 15th Street East
Sarasota, Florida 34243

Client Reference:

Mike Maholtz, 941.359.5772

Project Location:

Sarasota/Manatee County, Florida

Project Fees: Varies by task work order/project

Project Description: Cardno assisted Sarasota/Manatee Metropolitan Planning Organization (MPO) in obtaining a \$1 million grant in 2011. Cardno completed 30 Phase I Environmental Site Assessments, 14 Site-Specific QAPP/Addendum documents, 14 Phase II Environmental Site Assessments and several Supplemental Assessments. Assessment activities have also included underground storage tank removal/closure assessment, hydraulic lift removals/assessment and other source removal (i.e. petroleum impacted soils). Additional funding was for community outreach, education and development of Quality Assurance Project Plans (QAPPs) and Health and Safety Plans. Key Services Include: Programmatic Support, Phase I/II ESAs, Environmental Remediation, Indoor Air Quality, Asbestos/Lead Based Paint, Property Identification, Quality Assurance, Reuse Planning.



Key Personnel: Rick Hagberg, PG; Tom Burke, PE; Ananda Bergeron, PE; Chris Gamache, PE; Rick Hagberg, PG; Miles Ballogg; Sharon Niemczyk, Greg Schultz, PE; Joe Marsh, EI; Leslie Sykes, AICP

- Environmental Engineering Services
- Coastal Engineering Services



Fort DeSoto Fishing Pier

Client Information:

Pinellas County
400 S Ft. Harrison, 6th Floor
Clearwater, Florida 33756

Client Reference:

Sue Steele 727.464.4776

Project Location:

Pinellas County, Florida

Project Fees: Professional Fees: \$728K

Project Description: The Fort De Soto Bay Pier and Dock was originally built in 1960 and reconstructed 1984. The Federal Transit Administration awarded a grant for the design of the new pier/dock. This grant requires that the project meet all requirements of the National Environmental Policy Act. The structure serves as a docking point for multiple agencies and users including Tampa Bay Marine Pilots, U.S. Fish and Wildlife Service, and FDEP. It is expected that the new pier/dock will resemble the existing structure, utilize materials with a greater ability to withstand the aggressive environment, and incorporate the needs for all dock users and meet requirements of the ADA.

Cardno is responsible to design, prepare plans, develop construction specifications, permitting, and provide environmental services necessary to meet National Environmental Policy Act requirements for the removal and replacement of the Bay Pier and boat dock facility. These improvements shall be designed in accordance with Pinellas County Standards, the ADA, Florida Building Code, and other codes, standards, specifications, and requirements applicable to this type structure.

Key Personnel: Rick Hagberg, PG; Steve Howarth, PE; Terry Griffin, PG; Ananda Bergeron, PE; Chris Gamache, PE; Doug Stoker, PE



Wall Springs Park Coastal Additions I & II

Client Information:

Pinellas County
22211 US Hwy 19 North, Building 1
Clearwater, Florida 33765

Client Reference:

Nancy McKibben, PE 727.464.4812

Project Location:

Pinellas County, Florida

Project Fees: Professional Fees: \$67K;
Total Project Cost: \$4M

Project Description: Cardno provided engineering design services for the Wall Springs Coastal Addition. This multi-discipline park project included planning, engineering and building design services to facilitate construction of this park on a coastal parcel of land.

Project Elements Include:

- | | | | |
|------------------------------|----------------------------|---------------------------|----------------------------|
| > Shoreline Protection | > Permitting | > Sidewalk along adjacent | > Cultural Resource Survey |
| > Gopher Tortoise Relocation | > Utility Services | Street | > Picnic Shelter Pavilion |
| > Restrooms (ADA) | > Paved and unpaved trails | > Entry wall and sign | |

Key Personnel: Doug Stoker, PE; Ananda Bergeron, PE; Chris Gamache, PE, CBI

Countywide Dock and Boat Ramp Inspection & Evaluation

Client Information:

Pinellas County
22211 US Hwy 19 North, Building 1
Clearwater, Florida 33765

Client Reference:

John Linton, PE 727.464.4348

Project Location:

Pinellas County, Florida

Project Fees: Professional Fees: \$67K to date; Construction Cost: Varies

Project Description: Cardno has been tasked with inspecting and evaluating all public dock and boat ramp facilities owned and maintained by Pinellas County. Inspection efforts include underwater inspection to verify the condition of piles and ramps, including measuring end-of ramp drop offs and undermining. Critical elements of these inspections include:

Piles (above and below waterline – condition and remaining service life), Deck (fasteners, support systems, slip resistance, ADA compliance), Railings (suitability, FBC compliance, condition assessment with repair recommendations), Floating dock units (connections, rollers, cleats, rub-rail), Repair/replacement evaluation and cost estimates, and Hardware (condition and service life evaluation and replacement recommendations)

Cardno's extensive experience with docks, piers, and other marine structures gives us unparalleled ability to accurately estimate repair and replacement costs. Prioritization of critical repairs will identify immediate and future needs as well as routine maintenance to improve service and lifespan.

Key Personnel: Doug Stoker, PE; Ananda Bergeron, PE; Chris Gamache, PE, CBI



Boulevard of the Arts Living Shoreline Rehabilitation and Replacement

Client Information:

City of Sarasota
1565 1st St
Sarasota, Florida 34236

Client Reference:

Georges Nicholas 941.329.6136

Project Location:

City of :Sarasota, Florida

Project Fees: Professional Fees: \$62K to date; Unknown total construction cost

- Environmental Engineering Services
- Coastal Engineering Services



Project Description: The rehabilitation work includes the partial removal of an existing concrete sheet pile wall, the design of riprap slope protection, the design of an undulating riprap breakwater the design of a vinyl sheet pile wall, and the design of a living shoreline with native coastal plant species. Applications for environmental permitting through the ACOE and FDEP were also prepared and submitted as part of this project. Key Services: Shoreline Restoration, Living Shoreline Design, and Permitting

Key Personnel: Doug Stoker, PE; Ananda Bergeron, PE; Chris Gamache, PE, CBI

Professional Engineering Continuing Services

Client Information:

Monroe County
1100 Simonton Street
Key West, Florida 33040

Client Reference:

Robert Tudor, 305.292.4416

Project Location:

Monroe County, Florida

Project Fees: Fees vary per task

Project Description: Tasks include design and preparation of plans for various infrastructure and transportation engineering projects, preparation of contract documents for bidding, scope of work, tabulations and review of bids, recommendation of contract award, cost estimating during design and document preparation, administration of contract documents, consultation and on site inspections during construction, process shop drawings, recommend approval of contractor invoices, preparation and submittal of permit applications, zoning applications and presentations to the County Commission.

Sombrero Beach Reconstruction, Renourishment, and Repair

Client Information:

City of Marathon
9805 Overseas Highway
Marathon, Florida 33050

Client Reference:

Carlos Solis 305.289.5008

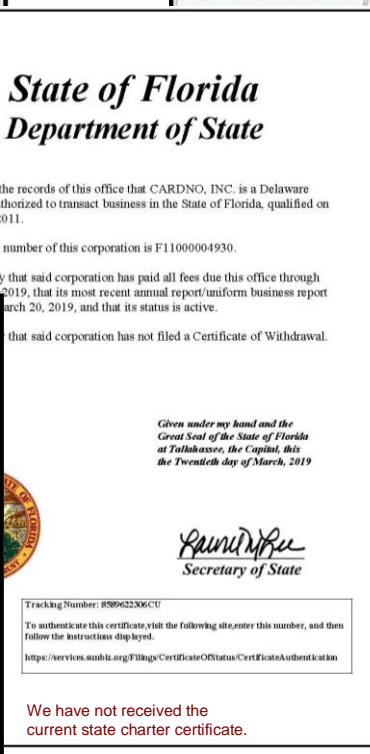
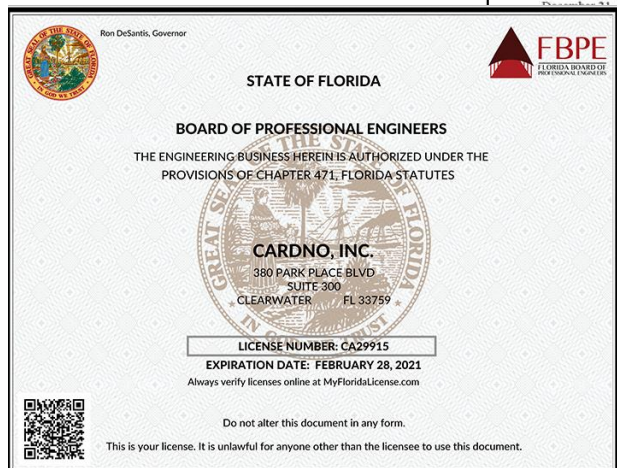
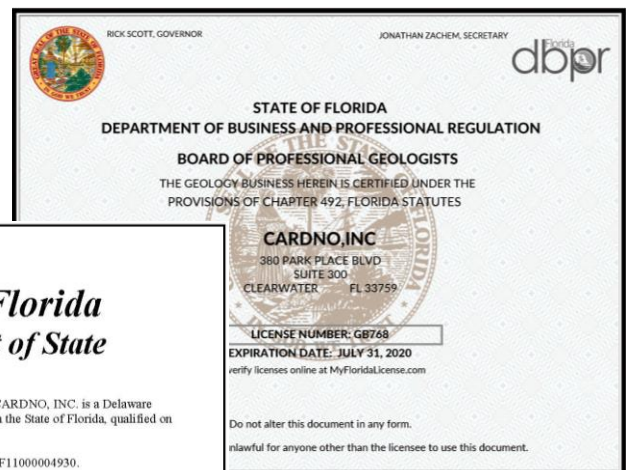
Project Location:

City of Marathon, Florida

Project Fees: Professional Fees: \$144K;
Unknown total construction cost

Project Description: Cardno provided construction inspection services for Sombrero Beach and public Works facilities that were destroyed by Hurricane Irma. Project includes repair of fishing pier, reconstructing sidewalk, bathhouses, and shower facilities, dunes with sea oats and ground cover and renourishment of sea grasses by underwater planting of plant material.

Key Personnel: Ananda Bergeron, PE; Chris Gamache, PE; Doug Stoker, PE; Rick Hagberg, PG; Sharon Niemczyk, Doug Stoker, PE



State of Florida License Numbers

Business License
#F11000004930

Engineering License
#CA29915

Geology License
#GB768

Real Estate
#CQ1046769



Required Forms

Detail by FEI/EIN Number

Foreign Profit Corporation
CARDNO, INC.

Filing Information

Document Number F11000004930
FEI/EIN Number 45-2663666
Date Filed 122/09/2011
State DE
Status ACTIVE
Last Event AMENDMENT
Event Date Filed 07/24/2014
Event Effective Date NONE

Principal Address

10004 Park Meadows Drive
Suite 300
Lone Tree, CO 80124
Changed: 03/20/2019

Mailing Address

10004 Park Meadows Drive
Suite 300
Lone Tree, CO 80124
Changed: 03/20/2019

Registered Agent Name & Address

C T CORPORATION SYSTEM
1200 SOUTH PINE ISLAND ROAD
PLANTATION, FL 33324

Officer/Director Detail Name & Address

Title Director, Treasurer
Picard, Jenifer
10004 Park Meadows Drive
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Lone Tree, CO 80124

Title Director
Reisbord, Susan
10004 Park Meadows Drive
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Lone Tree, CO 80124

Title VP
De Hayr, Luke
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Title Secretary, VP
Stutz, Julia
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Howarth, Steve
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Title President, Director
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Title VP
Lancioni, Mike
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Procopio, Joseph
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Title Assistant Vice President
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Lone Tree, CO 80124

Annual Reports

Report Year	Filed Date
2019	03/20/2019
2019	06/07/2019
2019	11/20/2019

RFQ ENVIRONMENTAL ENGINEERING SERVICES 2020

CITY STAFF SELECTION CRITERIA MATRIX

Task Order Name: Request for Qualifications
for Environmental Engineering

Project Number: RFQ 20-002

Firm Cardno, Inc.

Date January 8, 2020

SELECTION CRITERIA	POINTS ALLOWED	POINTS EARNED
Specialized experience and technical competence of the firm in the listed disciplines.	40	
Professional qualifications of staff personnel/Capacity of assigned and identified staff to accomplish work.	25	
Past Work Experience	20	
Ability to perform the services expeditiously at the request of the CITY. Location and availability of technical support people and assigned project manager to the CITY	10	
Other certifications	5	
Total Points	100	

RFQ ENVIRONMENTAL ENGINEERING SERVICES 2020

**SWORN STATEMENT UNDER SECTION 287.133(3)(a)
FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES**

**THIS FORM MUST BE SIGNED IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICE
AUTHORIZED TO ADMINISTER OATHS.**

1. This sworn statement is submitted with Bid, Bid or Contract No. 20-002 for
Environmental Engineering Services
2. This sworn statement is submitted by Cardno, Inc.
(Name of entity submitting sworn statement)

whose business address is 11400 Overseas Hwy., Unit 207 & 208, Marathon, FL 33050
_____ and (if applicable) its Federal
Employer Identification Number (FEIN) is 45-2663666 (If the entity has no FEIN,
include the Social Security Number of the individual signing this sworn statement.)
3. My name is Steven P. Howarth, PE and my relationship to
(Please print name of individual signing)

the entity named above is Vice President.
4. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including but not limited to, any Bid 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, material misrepresentation.
5. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.
6. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means
 1. A predecessor or successor of a person convicted of a public entity crime: or
 2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.
7. I understand that a "person" as defined in Paragraph 287.133(1)(8), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter

RFQ ENVIRONMENTAL ENGINEERING SERVICES 2020

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.

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

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

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

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

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

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


(Signature)

January 6, 2020

(Date)

STATE OF Florida

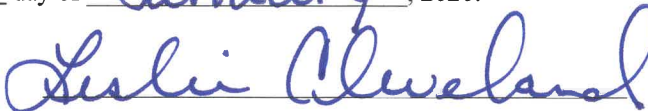
COUNTY OF Pinellas

PERSONALLY APPEARED BEFORE ME, the undersigned authority,

Steven P. Howarth who, after first being sworn by me, affixed his/her signature in the
(Name of individual signing)

space provided above on this 6th day of January, 2020.

My commission expires:
NOTARY PUBLIC





EQUAL BENEFITS FOR DOMESTIC PARTNERS AFFIDAVIT

City Ordinance Sec. 2-799
Requirements for City Contractors to Provide Equal Benefits for Domestic Partners

- (a) Definitions. For purposes of this section only, the following definitions shall apply:
- (1) **Benefits** means the following plan, program or policy provided or offered by a contractor to its employees as part of the employer's total compensation package: sick leave, bereavement leave, family medical leave, and health benefits.
 - (2) **Bid** shall mean a competitive bid procedure established by the city through the issuance of an invitation to bid, request for proposals, request for qualifications, or request for letters of interest.
 - (3) **Cash equivalent** means the amount of money paid to an employee with a domestic partner in lieu of providing benefits to the employee's domestic partner. The cash equivalent is equal to the employer's direct expense of providing benefits to an employee for his or her spouse.

The cash equivalents of the following benefits apply:

- a. For bereavement leave, cash payment for the number of days that would be allowed as paid time off for the death of a spouse. Cash payment would be in the form of the wages of the domestic partner employee for the number of days allowed.
 - b. For health benefits, the cost to the contractor of the contractor's share of the single monthly premiums that are being paid for the domestic partner employee, to be paid on a regular basis while the domestic partner employee maintains such insurance in force for himself or herself.
 - c. For family medical leave, cash payment for the number of days that would be allowed as time off for an employee to care for a spouse who has a serious health condition. Cash payment would be in the form of the wages of the domestic partner employee for the number of days allowed.
- (4) **Contract** means any written agreement, purchase order, standing order or similar instrument entered into pursuant to the award of a bid whereby the city is committed to expend or does expend funds in return for work, labor, professional services, consulting services, supplies, equipment, materials, construction, construction related services or any combination of the foregoing.
 - (5) **Contractor** means any person or persons, sole proprietorship, partnership, joint venture, corporation, or other form of doing business, that is awarded a bid and enters into a covered contract with the city, and which maintains five (5) or more full-time employees.
 - (6) **Covered contract** means a contract between the city and a contractor awarded subsequent to the date when this section becomes effective valued at over twenty thousand dollars (\$20,000).
 - (7) **Domestic partner** shall mean any two adults of the same or different sex, who have registered as domestic partners with a governmental body pursuant to state or local law authorizing such registration, or with an internal registry maintained by the

RFQ ENVIRONMENTAL ENGINEERING SERVICES 2020

employer of at least one of the domestic partners. A contractor may institute an internal registry to allow for the provision of equal benefits to employees with domestic partner who do not register their partnerships pursuant to a governmental body authorizing such registration, or who are located in a jurisdiction where no such governmental domestic partnership registry exists. A contractor that institutes such registry shall not impose criteria for registration that are more stringent than those required for domestic partnership registration by the City of Key West pursuant to Chapter 38, Article V of the Key West Code of Ordinances.

- (8) ***Equal benefits*** mean the equality of benefits between employees with spouses and employees with domestic partners, and/or between spouses of employees and domestic partners of employees.
- (b) Equal benefits requirements.
- (1) Except where otherwise exempt or prohibited by law, a Contractor awarded a covered contract pursuant to a bid process shall provide benefits to domestic partners of its employees on the same basis as it provides benefits to employees' spouses.
 - (2) All bid requests for covered contracts which are issued on or after the effective date of this section shall include the requirement to provide equal benefits in the procurement specifications in accordance with this section.
 - (3) The city shall not enter into any covered contract unless the contractor certifies that such contractor does not discriminate in the provision of benefits between employees with domestic partners and employees with spouses and/or between the domestic partners and spouses of such employees.
 - (4) Such certification shall be in writing and shall be signed by an authorized officer of the contractor and delivered, along with a description of the contractor's employee benefits plan, to the city's procurement director prior to entering into such covered contract.
 - (5) The city manager or his/her designee shall reject a contractor's certification of compliance if he/she determines that such contractor discriminates in the provision of benefits or if the city manager or designee determines that the certification was created, or is being used for the purpose of evading the requirements of this section.
 - (6) The contractor shall provide the city manager or his/her designee, access to its records for the purpose of audits and/or investigations to ascertain compliance with the provisions of this section, and upon request shall provide evidence that the contractor is in compliance with the provisions of this section upon each new bid, contract renewal, or when the city manager has received a complaint or has reason to believe the contractor may not be in compliance with the provisions of this section. This shall include but not be limited to providing the city manager or his/her designee with certified copies of all of the contractor's records pertaining to its benefits policies and its employment policies and practices.
 - (7) The contractor may not set up or use its contracting entity for the purpose of evading the requirements imposed by this section.

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- (c) Mandatory contract provisions pertaining to equal benefits. Unless otherwise exempt, every covered contract shall contain language that obligates the contractor to comply with the applicable provisions of this section. The language shall include provisions for the following:
 - (1) During the performance of the covered contract, the contractor certifies and represents that it will comply with this section.
 - (2) The failure of the contractor to comply with this section will be deemed to be a material breach of the covered contract.
 - (3) If the contractor fails to comply with this section, the city may terminate the covered contract and all monies due or to become due under the covered contract may be retained by the city. The city may also pursue any and all other remedies at law or in equity for any breach.
 - (4) If the city manager or his designee determines that a contractor has set up or used its contracting entity for the purpose of evading the requirements of this section, the city may terminate the covered contract.
- (d) Enforcement. If the contractor fails to comply with the provisions of this section:
 - (1) The failure to comply may be deemed to be a material breach of the covered contract; or
 - (2) The city may terminate the covered contract; or
 - (3) Monies due or to become due under the covered contract may be retained by the city until compliance is achieved; or
 - (4) The city may also pursue any and all other remedies at law or in equity for any breach;
 - (5) Failure to comply with this section may also subject contractor to the procedures set forth in Division 5 of this article, entitled "Debarment of contractors from city work."
- (e) Exceptions and waivers.

The provisions of this section shall not apply where:

- (1) The contractor does not provide benefits to employees' spouses.
- (2) The contractor is a religious organization, association, society or any non-profit charitable or educational institution or organization operated, supervised or controlled by or in conjunction with a religious organization, association or society.
- (3) The contractor is a governmental entity.
- (4) The sale or lease of city property.
- (5) The provision of this section would violate grant requirement, the laws, rules or regulations of federal or state law (for example, The acquisition services procured pursuant to Chapter 287.055, Florida Statutes known as the "Consultants' Competitive Negotiation Act").

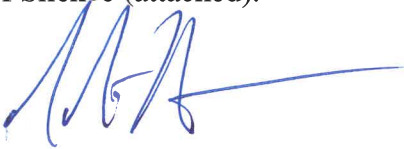
RFQ ENVIRONMENTAL ENGINEERING SERVICES 2020

- (6) Provided that the contractor does not discriminate in the provision of benefits, a contractor may also comply with this section by providing an employee with the cash equivalent of such benefits, if the city manager or his/her designee determines that either:
 - a. The contractor has made a reasonable yet unsuccessful effort to provide equal benefits. The contractor shall provide the city manager or his/her designee with sufficient proof of such inability to provide such benefit or benefits which shall include the measures taken to provide such benefits or benefits and the cash equivalent proposed, along with its certificate of compliance, as is required under this section.
- (7) The city commission waives compliance of this section in the best interest of the city, including but not limited to the following circumstances:
 - a. The covered contract is necessary to respond to an emergency.
 - b. Where only one bid response is received.
 - c. Where more than one bid response is received, but the bids demonstrate that none of the bidders can comply with the requirements of this section.
- (f) City's authority to cancel contract. Nothing in this section shall be construed to limit the city's authority to cancel or terminate a contract, deny or withdraw approval to perform a subcontract or provide supplies, issue a non-responsibility finding, issue a non-responsiveness finding, deny a person or entity prequalification, or otherwise deny a person or entity city business.
- (g) Timing of application. This section shall be applicable only to covered contracts awarded pursuant to bids which are after the date when this section becomes effective.

CONE OF SILENCE AFFIDAVIT

STATE OF Florida)
 : SS
COUNTY OF Pinellas)

I the undersigned hereby duly sworn depose and say that all owner(s), partners, officers, directors, employees and agents representing the firm of Cardno, Inc. 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

10th Day of January, 2020



NOTARY PUBLIC, State of Florida at Large

My Commission Expires: March 12, 2023



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 consultant, 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;

RFQ ENVIRONMENTAL ENGINEERING SERVICES 2020

- 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 publically 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;

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- 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.

RFQ ENVIRONMENTAL ENGINEERING SERVICES 2020

- 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.

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.

NON-COLLUSION AFFIDAVIT

STATE OF FLORIDA)
:
SS COUNTY OF MONROE)

I, the undersigned hereby declares that the only persons or parties interested in this Proposal are those named herein, that this Proposal is, in all respects, fair and without fraud, that it is made without collusion with any official of the Owner, and that the Proposal is made without any connection or collusion with any person submitting another Proposal on this Contract.

By: _____



Steven P. Howarth, PE

Sworn and subscribed before me this

6th day of January, 2020.



NOTARY PUBLIC, State of Florida at Large



My Commission Expires: March 12, 2023

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 Consultant, 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.

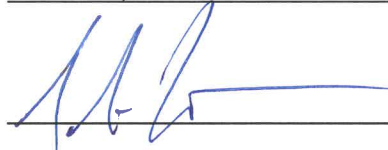
The indemnification provided above shall obligate PROPOSER to defend at its own expense to and through appellate, supplemental or bankruptcy proceeding, or to provide for such defense, at the City of Key West's option, any and all claims of liability and all suits and actions of every name and description 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.

PROPOSER: Cardno, Inc.

Address 11400 Overseas Hwy, Unit 207 & 208
Marathon, Florida 33050

Signature



Steven P. Howarth

Print Name



January 6, 2020

Date

Title

Vice President / Principal-in-Charge

RFQ ENVIRONMENTAL ENGINEERING SERVICES 2020

NOTARY FOR THE PROPOSER

STATE OF Florida

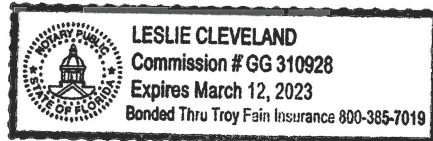
COUNTY OF Pinellas

The foregoing instrument was acknowledged before me this 6th day of Jan, 2020. By Steve
Houwerth, of Cardno, Inc. (Name of officer or agent, title of officer or agent) Name of
corporation acknowledging)

or has produced _____ as identification.

Leslie Cleveland

Signature of Notary



Leslie Cleveland

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

Supporting documents to: City of Key West Purchasing

Marketing Coordinator

Title or Rank



THE CITY OF KEY WEST

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

ADDENDUM NO. 2

RFQ #20-002 ENVIRONMENTAL ENGINEERING SERVICES

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

Responses to Requests for Information

1. Does the City prefer the one printed copy of the response to be bound or unbound?
a. There is no preference, responses may be bound or unbound.
2. With the looming holidays, does the City anticipate an extension to the deadline of January 8, 2020?
a. City prefers to maintain the current response date of January 08, 2020.
3. The RFQ, page 9, "Submissions Details," seventh bullet, references a few of the forms required for inclusion in the response, ending the sentence with "... for members of any team." Please clarify whether this phrase means that the following forms must be included for both the prime bidder AND proposed subconsultants in the response.
a. Signed forms will not be required from proposed subconsultants at this time.
4. There was an addendum posted for RFQ 20-002 Environmental Engineering Services, and question #2's answer states that prior proposals are attached to the addendum. However, I am not seeing those attached.
a. Attachment was not included by mistake and is now attached to this Addendum.

All Proposers shall acknowledge receipt and acceptance of this Addendum by submitting the addendum with their proposal. Proposals submitted without acknowledgement or without this Addendum may be considered non-responsive.

A handwritten signature in cursive script, reading "Leslie Cleveland".

Signature

A handwritten signature in cursive script, reading "Cardno, Inc.".

Name of Business



THE CITY OF KEY WEST

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

ADDENDUM NO. 1

RFQ #20-002 ENVIRONMENTAL ENGINEERING SERVICES

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

Responses to Requests for Information

1. Is there any chance for a deadline extension for RFQ 20-002 Environmental Engineering Services, considering the holidays?
a. The City prefers to maintain the current response date at this time.
2. Is there any way we can get a copy of the prior winning submittal(s)?
a. Yes, prior proposals attached to this addendum hereto.
3. Is this RFQ to replace an existing contract? If so, who are the incumbents?
a. Current contract holders; Tetra Tech; Atkins North America, Inc.
4. How much was spent during the previous contract term?
a. \$2,238,731 Total sum of all of the previous contracts.
5. Will resumes for key personnel apply toward the 20 page limit, or will you consider them in a manner similar to forms and affidavits and exclude them from the 20 page limit?
a. Names, job classifications, and qualifications of engineering personnel who will be assigned to perform services of this contract are included in the 20 page maximum.
6. May we use a copy of the City's logo within in our response?
a. Yes.
7. Will Key West accept proposals that address only coastal engineering (Scope Item B., page 8) or must the proposals include both environmental and coastal engineering (Scope Items A and B)?
a. Proposers will be allowed to submit qualification and proof of experience that documents qualifications for Coastal Engineering without Environmental Engineering.

All Proposers shall acknowledge receipt and acceptance of this Addendum by submitting the addendum with their proposal. Proposals submitted without acknowledgement or without this Addendum may be considered non-responsive.

A handwritten signature in cursive script, appearing to read "Leslie Cleveland".

Signature

A handwritten signature in cursive script, appearing to read "Cardno, Inc.".

Name of Business