Continuing Professional Services
Civil Engineering

April 5, 2018

Dredging & Marine Consultants
Planning • Engineering • Environmental • Permitting • Inspection
Maureen Crossman, CPPB, Materials Manager
Utilities Commission
City of New Smyrna Beach
200 Canal Street
New Smyrna Beach, FL 32168

RE: RSQ 10-18: Continuing Professional CIVIL ENGINEERING Services: Utilities Commission
Cover Letter

Dear Selection Committee:

Dredging & Marine Consultants, LLC (DMC) is pleased to submit our qualifications package to the Utilities Commission, City of New Smyrna Beach ("Commission"), specifically related to Civil Engineering Services. DMC understands your business and we are committed to providing the technical services required with a holistic approach that includes an exceptional management and technical team. As a local firm, we appreciate the opportunity as we have collaborated with UC staff on several projects that are completed and on-going with the City of New Smyrna Beach. Based on our understanding of the organization and management of projects, DMC will be a great resource to UCNSB.

We understand the objective of this solicitation is to obtain the services of consultants with the capability to provide professional engineering services and a firm that will be responsible for developing a complete set of site plans that could include paving, grading, utilities, landscaping and stormwater elements. We understand that these services will require drainage calculations, utility hydraulic calculations, special reports for environmentally sensitive areas, and even geotechnical investigations. We are familiar with all permitting agencies and have professional staff to attain permits in a timely manner from various local, state and federal agencies, as may be required. DMC will also provide design, construction administration, and inspection services as needed. DMC is willing to team with any specialty firms from your list of design and testing firms, or to work with firms the Commission may suggest for your benefit.

DMC was recognized as one of "Volusia’s Best Companies", and was recognized as a 2015 Florida companies to watch finalist, by GrowFL in association with The Edward Lowe Foundation due to our extensive business management culture and growth. We will bring these same attributes to management of the Commission’s engineering and construction management needs with specific focus on these three areas; overall program/project management, strategic funding and capital project needs and design to meet the current and futures needs of the Commission from a holistic approach. DMC has worked on many City of New Smyrna Beach projects, but mostly as a subconsultant; more recently we have been engaged as a Prime Consultant through the City’s Marine Services contract. We appreciate the Commission’s efforts to be inclusive in providing DMC the opportunity to showcase it’s talents as the Civil Engineering firm to meet the Commission’s needs.

While we continue to grow with four offices in Florida, eighty percent of DMC’s growth has predominantly been through repeat business from our on-going municipal clients and that in itself is a sufficient compliment of our corporate mantra of "serving selflessly to deliver the best for our clients." This mindset is a clear outcome of our corporate values (Trust, Respectful, Accountable, Enthusiastic, Innovative, Aspire, and Selfless) that are not to be compromised as we serve our clients in their best interests.
DMC will always provide both technical and managerial support on all projects. I, Shailesh K. Patel, am the authorized Point-of-Contact for any task assigned under this solicitation and can be contacted at 4643 S. Clyde Morris Blvd., Unit 302, Port Orange, FL 32129; Tel: (386) 304-6505; Fax: (386) 304-6506; Mobile: (386) 846-4760; email: spatel@dmces.com. I have been active in many local organizations such as Volusia County Association for Responsible Development and League of Cities so that we have a pulse of the communities we live in and serve in Volusia County. I am personally committed to ensuring that our work will create positive accomplishments that not only the Commission can be proud of, but ones that the DMC team can proudly claim to be a part of for years to come.

I along with our senior project manager; Steve Kuhn, P.E., will be involved in every aspect of any project to ensure the Commission that our qualified team will lead you comfortably and confidently within project budget, in a timely and responsive manner, as we do for all our projects. This also demonstrates that we consistently utilize the same key staff that is familiar with the Commission and its staff and will ensure consistent communication and responsiveness on every project. Our goal is to manage projects so that your Project Manager does not have to invest more than supervision time! Over the past 16 years, we have proudly distinguished our company as a LOCAL Volusia County engineering firm and we take great pride in bringing pragmatic concepts, designs and a qualified team to assist the Commission. We would be honored to be selected as one of your CIVIL ENGINEERING CONSULTANTS and would be available to present our capabilities further through a presentation, if needed. Thank you.

Respectfully,
Dredging & Marine Consultants, LLC.

Shailesh K. Patel, M.Sc., CPSSc.
President/ Managing Member
### Tab 1: Qualifications Data

The following is a select list highlighting DMC experience with similar Civil Engineering site development and improvement projects that include utilities and other infrastructure improvements and upgrades.

<table>
<thead>
<tr>
<th>Client:</th>
<th>St. Lucie County</th>
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</thead>
</table>
| Address: | 2300 Virginia Avenue  
Fort Pierce, FL 34982 |
| Contact: | Kyle Croce, P.E. & Don West, P.E. |
| Title: | Port Engineer & Public Works Director |
| Phone: | K (772) 462-1491 D (772) 462-2178 |
| Fax: | (772) 462-2362 |

**Fisherman’s Wharf Marina Bulkhead Assessment/ Design and Basin Dredging** – DMC was selected by St. Lucie County to perform an assessment, final design and bidding of the approximately 850 linear feet of existing bulkhead and dredging at the Fisherman’s Wharf Marina within the Port of Fort Pierce. The purposes of the inspection was to assemble available information on the existing bulkheads, infrastructure and utilities, to observe and document the existing conditions of the subject bulkheads and utilities in general accordance with the 2015 ASCE Waterfront Facilities Inspection and Assessment manual and to prepare a report detailing our findings and recommendations based on the conditions observed. This report was used to pursue grant funding for repairs and budget future improvements from FIND, FFWCC, FSTEAD and FDOT.

**Start / End Date:** 7-2016 / Present  
**Capacity:** Prime  
**Principal:** Shailesh K. Patel, M.Sc., CPSSc.  
**Consultant Cost:** $567,611  
**Project Manager:** Will B. Cornelius II, P.E.  
**Change Orders:** None  
**Team:** Steve Kuhn, P.E., Curtis Todd, P.E., Niles Cyzycki, Kristy Michaels

<table>
<thead>
<tr>
<th>Client:</th>
<th>City of Daytona Beach</th>
</tr>
</thead>
</table>
| Address: | 950 Bellevue Ave.  
Daytona Beach, FL 32114 |
| Contact: | Jim Nelson, P.E. |
| Title: | City Engineer |
| Phone: | (386) 671-8613 |

**Ballough Rd. Bridge Expansion & Marina Village Boat Launch** – DMC was selected to undertake the challenging task of increasing the height of the Ballough Road Bridge and improving the existing Root Pond in Daytona Beach to create a vessel friendly and unique waterfront destination for boaters and residents. DMC has recently completed plans for the first project to rehabilitate this blighted area as part of the City’s economic development. The overall project involves designing approximately 3,400 linear feet of boardwalk/dock, 3,760 feet of seawall and a public boat ramp. The goal is to create a project that will allow access to the water and future waterfront development without impacting existing businesses/residents.

**Start / End Date:** 2016 / 2017  
**Capacity:** Prime  
**Principal:** Shailesh K. Patel, M.Sc., CPSSc.  
**Consultant Cost:** $449,000  
**Project Manager:** Steve Kuhn, P.E.  
**Change Orders:** None  
**Team:** Curtis Todd, P.E., Joel Steward
Port Orange Riverwalk Park – DMC was tasked by the City of Port Orange to develop, design, permit, and provide bidding assistance and construction management assistance for the City's premier 10-acre waterfront park. DMC staff conducted an environmental resource survey, existing electric, utilities and infrastructure of the complete property to better guide the locating of the many improvements associated with park development. DMC also coordinated with the public and multiple stakeholders to develop a conceptual plan that will revitalize the local waterfront district. DMC coordinated with FDOT and other agencies to permit the construction of walkways, entryways, utilities and developed construction plans and we are currently completing the final documentation to complete construction.

<table>
<thead>
<tr>
<th>Start / End Date:</th>
<th>2014 / 2017</th>
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<tbody>
<tr>
<td>Capacity:</td>
<td>Prime</td>
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<tr>
<td>Principal:</td>
<td>Shaillesh K. Patel, M.Sc., CPSSc.</td>
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<tr>
<td>Consultant Cost:</td>
<td>$269,780</td>
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<td>Consultant:</td>
<td>Samantha Bergeron</td>
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<tr>
<td>Change Orders:</td>
<td>None</td>
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<tr>
<td>Team:</td>
<td>Steve Kuhn, P.E.</td>
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<tr>
<td></td>
<td>Curtis Todd, P.E., Niles Cyzycki</td>
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Whistle Stop Park Improvements – DMC was tasked with designing, bidding and providing construction inspection services for improvements to Whistle Stop Park. DMC reviewed the City's resident survey and identified the components that ranked highest. DMC staff has completed all design and engineering for the new park, and has secured all necessary permits for construction. Final plans and technical specifications have been completed, that included review of wetlands, permitting, electric and utility tie-ins and additions, hurricane damage assessment and developing bids, assisting with bidding process. The project is now in construction phase with DMC providing full inspection services.

<table>
<thead>
<tr>
<th>Start / End Date:</th>
<th>2016 / Present</th>
</tr>
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<tbody>
<tr>
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<td>Prime</td>
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<td>Principal:</td>
<td>Shaillesh K. Patel, M.Sc., CPSSc.</td>
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<tr>
<td>Consultant Fee:</td>
<td>$380,000</td>
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<td>Consultant:</td>
<td>Samantha Bergeron</td>
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<tr>
<td>Change Orders:</td>
<td>None</td>
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<tr>
<td>Team:</td>
<td>Steve Kuhn, P.E.</td>
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<tr>
<td></td>
<td>Curtis Todd, P.E., Joel Steward, Niles Cyzycki, Will Cornelius, P.E.</td>
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</table>
Wooton Park Marina/ Seaplane Basin “A Multi-Modal Project” – DMC was a sub-consultant to Booth, Ern, Straugham & Hiott, Inc. (BESH) as part of the Multi-Modal Project with specific emphasis on all over-water structures and activities. DMC’s work includes providing options for the City’s 84-slip marina, which consists of boat and seaplane mooring and fueling facilities. In addition, services included the design of a new boat and seaplane ramp with all electric and water amenities. DMC performed structural calculations for fixed and floating docks, considering gale force winds with a facility full of boats and seaplanes and meet Category 1 hurricane winds with no boats or seaplanes in place.

Start / End Date: 2006/2010
Team Members: Curtis Todd, P.E., Niles Cyzycki
Capacity: Sub-Consultant
Consultant Cost: $59,600
Change Orders: None

Woodlea Park Regional Sports Complex Design & Permitting – DMC was tasked to permit and design playing fields consisting of baseball, softball, and soccer fields of varying size on approximately 40 acres of land in accordance with the City of Tavares Master Plan. Our staff designed a conceptual plan that included the location and design of the fields, the engineering of roadways and parking, stormwater treatment ponds and concession stands. In addition, DMC’s environmental staff has completed the wetland delineation, and threatened and endangered species surveys. As a result, 19 gopher tortoises were relocated off-site. Construction of the two baseball fields with lights and water supply was completed in 2013.

Start / End Date: 2010/2013
Project Manager: Shailesh K. Patel
Team: Curtis Todd, P.E., Niles Cyzycki, Joe Faella
Capacity: Prime
Consultant Fee: $80,995
Change Orders: None
Shell Harbor Marine Park - DMC was contracted by Volusia County to design improvements to an unpermitted public boat ramp located on property recently acquired by the County. The facility is located near Pierson, on the southeastern shore of Lake George. DMC conducted a boundary and topographic survey, bathymetric survey of the boat ramp area and access channel to Lake George, a geotechnical investigation, and reviewed the County’s existing wetland survey. DMC has designed and acquired permits for the new boat ramp, paved access roads and parking areas, the proposed dredging, and the stormwater management system.

Start / End Date: 2016 / Present  
Project Manager: Steve Kuhn, P.E.  
Team: Curtis Todd, P.E., Kristy Michaels

Capacity: Prime  
Consultant Cost: $79,800  
Change Orders: None

Palatikaka River M5/M6 Structure Modifications – DMC was given the task of assisting the Lake County Water Authority (LCWA) with the design of modifications to Palatikaka River water control structures M-5 and M-6, replacing the radial gates with fixed sheet pile weirs. This is the second phase of a long term project to modify all Palatikaka River structures to simplify operations and simulate a more natural flow pattern for the river and adjacent floodplains, while protecting the wetlands and minimizing flooding impacts for nearby developments. DMC was tasked with modeling and working with regulatory agencies to ensure acceptable water levels are maintained for wetland and watershed sustainability.

Start / End Date: 2015 / 2017  
Project Manager: Steve Kuhn, P.E.  
Team: Curtis Todd, P.E., Joel steward

Capacity: Prime  
Consultant Fee: $99,970  
Change Orders: None

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### Aesops Park Improvements
DMC permitted and designed improvements to Aesop’s Park, including a dog park, restrooms and parking. The stormwater treatment system was also evaluated. Our staff completed environmental resource permitting, resource surveys, and stormwater calculations to improve the park under CDBG-funding guidelines. DMC secured a shoreline improvement grant from the Florida Lake Management Society and completed the project. We coordinated utility and electric connection efforts with the City and local utility departments.

**Start / End Date:** 2008 / 2010  
**Principal:** Shailesh K. Patel, M.Sc., CPSSc.  
**Project Manager:** Shailesh K. Patel  
**Team:** Curtis Todd, P.E.

**Capacity:** Prime  
**Consultant Fee:** $17,300  
**Change Orders:** None

### Sunrise Park Public Boat Launching Facility
DMC was tasked with assisting the City of Holly Hill with the design and permitting of improvements to a public boat ramp facility at the City’s Sunrise Park facility. DMC designed and permitted improvements including a new boat launch ramp with tending docks, a new paved parking area with 28 trailer spaces, a canoe/kayak launching platform and a stormwater management system and redesign of lighting. DMC also permitted maintenance dredging of the access channel to the Intracoastal Waterway. The City is currently seeking funding to construct the entire facility.

**Start / End Date:** 2015 / 2016  
**Principal:** Shailesh K. Patel, M.Sc., CPSSc.  
**Project Manager:** Steve Kuhn, P.E.  
**Team:** Curtis Todd, P.E.

**Capacity:** Prime  
**Consultant Fee:** $62,500  
**Change Orders:** None

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Tab 2: Consultant’s Understanding

DMC is committed to meeting the budget and schedule on every project, but also recognize that there are instances that cause a shift in the design due to other outside public influences. As such we meet with our clients and also request that Commission assist by identifying the staff the will be engaged in the review of any project from start to finish so any changes to design are understood and input provided by various departments that may be impacted. We always try to perform and manage only the work described in the Scope of Services for any project; however, we understand that there may be minor changes. This is generally a norm and a reality on every project and we build this into our scope. We will keep the Commission up to date on accrued cost with current expenditures in our monthly progress reports, if desired. When needed, we utilize sub-consultant firms that can respond immediately to our needs, and we can authorize and redirect staff as needed to accomplish work expeditiously.

DMC believes in only undertaking what we can accomplish successfully and correctly to the highest satisfaction of our clients and in accordance with our mission statement. In addition, we always strive to meet all budgetary and time constraints and commit the man hours necessary to ensure our projects are delivered on time and within budget.

The first step toward meeting the schedule and budget of a project with a quality deliverable is to ensure that both the client and the Consultant have a clear understanding of the project and the expectations of each party at each stage of the project cycle. DMC believes that the best way to reach this understanding is through effective and timely communication between DMC and the Utilities Commission. DMC is committed to maintaining effective communication by requiring all personnel involved with a project to return calls or e-mails from Commission staff in as timely a manner as possible, with no more than 24 hours passing before a response is received by the Commission. As a local firm, the Commission can be assured that DMC will always be available to promptly address any questions or concerns that Commission staff may have, at any time and for any project.

DMC follows a generalized timeline for approaching all projects, which can be easily tailored to fit a variety of specific tasks.

Initial Project Meeting
- Discuss scope of services, objectives, and additional work assignments.
- Visit site, preferably with Commission staff to discuss the scope and project-phasing desired.
- Identify public engagement/notification needs.
- Grant/funding reporting and administration.
- Project timeframe and reporting.
- Identify the review departments or individuals.
- Project reporting and deliverables.
- Safety plan and implementation.
- Other pertinent project information.

Site Visit
- Project constraints and available site reports, information, etc.
- Work area and access.
- Public concerns, access and safety needs.
Establish Schedule
- Allocate man hours and resources.
- Protocol for reporting and task implementation.
- Plan fieldwork and design schedule.
- 30%, 60%, 90% and Final design and review schedule at each stage.

Permitting
- Permitting with the local, state and federal agencies, where applicable.
- Permitting the stormwater drainage and management facilities.
- Permitting utilities such as sewer, cable, electric and water (potable and reuse).
- Permitting with FDOT, County and other agencies, as required.
- Local permitting.

Construction
- Bid contract template.
- Technical specifications and drawings.
- Pre-construction meeting and respond to contractor questions via addenda.
- Verify schedule and materials.
- Coordinate with local municipality and adjoining business for impacts.
- Invoicing, payment request forms and protocol.
- Work areas and safety.
- Manage project and funding agency to close-out with proper documentation.
- Verify “as-built” and project close-out, including grants.

Our ultimate goal is to manage and complete projects so that you don’t have to! We recognize that the Commission’s project manager typically has multiple projects and administrative responsibilities, and it is our goal to have you invest minimal time on this project. The DMC team is excited to work with the Commission to facilitate and guide you through completion of the any projects assigned under this Continuing Civil Engineering Services request.
Tab 3: Staffing Requirements

In this section, DMC has provided our key personnel organizational chart and their qualification resumes.
Shailesh K “S.K” Patel, M.Sc. CPSSc. – Sr. Program Manager/President

**Background / Responsibilities**

Shailesh Patel founded DMC in 2002 and serves as the Principal and Point of Contact for all projects. For the City of New Smyrna Beach Utilities Commission Continuing Professional Services, he will serve as the Key Senior Manager to lead the DMC program/project team. He has over 25 years of experience in the program planning, engineering and environmental consulting business and in particular developing viable projects for private, municipal, and county entities. He has focused much of his 25 plus years on work related to the Coastal systems in the State of Florida. He has worked on numerous watershed water quality and land development projects that have included the planning, design, engineering, inspection, permitting, environmental, sediment and materials assessments, including full construction administration and inspection services. His vast experience spans the fields of costal systems, dredging, waterfront facilities and related structures, including buildings, parks, mining wastes, drainage and stormwater management, erosions related to walkways and roadways, wetlands and associated mitigation. He is active in many technical and civic service organizations and has twice served as the President of the Florida Lake Management Society and the past Chair of the Volusia County Association for Responsible Development. He has managed or assisted with numerous controversial public coastal projects from initial feasibility studies, involving the public, to bidding, implementation and Inspection to post-construction project close-out. His key attributes are to include public education and engagement to facilitate a better focus on projects and to deliver the desired outcome. Shailesh continues to add to his extensive knowledge of designing cost-effective, environmentally-sound and safe coastal, estuary, canal/channel and lake dredging and shoreline stabilization and land development projects, including sediment treatment, management, disposal operations, beneficial uses of dredged sediments, source control and impacts of tidal, storm or hurricane surges on protection of structures. He is very knowledgeable in dealing with “muck” sediment dredging and handling and was invited by the Maryland Port Authority to share his experience on this topic and has assisted the Florida Department of Environmental Protection with promulgating ways to provide TMDL credits for “muck” removal within the Indian River Lagoon. He is well spoken and understands the value of effective listening and communication with our clients and the public. He has presented project technical information to City and County councils for many projects for better decision and policy making. He has the ability to visualize the long-term needs of clients and understand the economic, social, and political climates and has worked on many highly visible and controversial projects so that they can be implemented. His biggest attribute is to be able to forge a good relationship and open communication with various stakeholders on large scale projects and keep the various stakeholders focused on the goal of long-term projects. He continually participates in professional, scientific, and marine construction conferences to keep abreast of advances in dredging, water quality, and latest marine products to educate the public and clients. He passionately promotes responsible development and resource protection along our waterways, waterfront and coastal communities. He has authored many technical documents.

**Education**

Ph.D Ongoing  
M.Sc. (Soil & Water Science)  
University of Florida,  
B.S. (Plant Science & Technology) NC A&T SU,  
Small Business Development, BCC, 2002  
Dredging Engineering Short Course, Texas A&M, 2002

**Professional Affiliations**

Florida Lake Management Society  
Nat’l Assoc. of Environmental Professionals  
Florida Marine Contractors CEO Xchange, Volusia County & SBDC  
VCARD – Chairman 2016/17

**Registrations**

American Society of Agronomy, Certified Professional Soil Scientist  
No. 24815

**Experience/Years with firm:**  
25/16

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Technical Expertise

- Program Management and coordination
- Long-range vision and strategic fiscal planning
- Meeting with clients and citizens to discuss project objectives
- Public engagement and consensus building throughout project work
- Leveraging of funds and strategies for additional funding and applicable grants
- Grants Preparation, presentations, administration and reporting
- Assisting in developing sediment removal projects through public participation and education
- Developing a forum for transferring technical, political and financial information
- Assisting client with all aspects of preparing applications to secure funding and necessary permits
- Meeting with regulatory personnel to address permitting issues
- Evaluating the availability of upland areas to retain the dredged sediment
- Identifying beneficial uses for dredged sediments
- Evaluating innovative techniques to enhance the dewatering using centrifuges, belt-presses, and rotary or static screens
- Optimizing storage capacity of the upland sites using chemical polymers
- Dredged material separation using hydrocyclones
- Evaluating the impacts of dredging on abutting structures such as seawalls and road and railway bridges
- Design aspects of seawalls, rock revetments, wavebreaks, slope protection, geotextiles
- Design aspects of ramps, piers, docks, boardwalks, marinas
- Determining environmental impacts on wetlands, threatened and endangered aquatic plant and animal species
- Mitigation planning and monitoring
- Engineering design, plans, and preparation of technical and bid specifications
- Assisting clients with bid review and contractor selection
- Construction inspection, management, and administration
- Project monitoring for permit and technical specification compliance
- Project management and closure; including updates, adjustments and overall evaluation
- Developing long-term funding to develop maintenance and operations program to enhance the longevity of projects
Stephen Kuhn, P.E. – Project Manager & Senior Civil Engineer

Background / Responsibilities

Mr. Kuhn has 14 years of experience as an engineer in Florida, previously working with AMEC Foster Wheeler (formerly BCI Engineers & Scientists, Inc.). He has worked extensively in both public and private sector projects and has extensive knowledge and experience working with the U.S. Army Corps of Engineers, Florida Department of Transportation, Florida Department of Environmental Protection, Southwest Florida Water Management District, St. Johns River Water Management District, South Florida Water Management District, and various local regulatory agencies. Mr. Kuhn’s primary area of expertise is stormwater/drainage and utility design, seawalls, ramps, marine structures, shoreline stabilization, waterfront park amenities and permitting. In addition, he has considerable experience in the areas of new and existing residential, commercial, municipal and industrial site designs and layout, including site access, ADA compliance, grading, parking lot layout, utility infrastructure design, preparation of technical specifications, NPDES compliance, flood routing modeling, pollutant loading modeling, Best Management Practices retrofitting and protection and utilization of site resources. His diverse and extensive work in the Florida environments makes him well suited to serve as a Project Manager and engineer of record on civil design projects.

Education

B.S., Environmental Engineering, University of Florida, 1998

Professional Affiliations

Florida Engineering Society (FES)
National Society of Professional Engineers (NSPE)

Licenses & Certifications

P.E. License #67486, State of Florida
FDEP Certified Erosion and Sediment Control Specialist

Experience/Years with firm: 16/4

Technical Expertise

- Project Management
- Civil Site Design and Permitting
- ADA Compliance
- Environmental Resource Permitting
- Stormwater Management System Modeling and Design
- Stormwater Management System Inspection and Recertification
- Pollutant Load Modeling and Best Management Practices Recommendations
- NPDES Compliance
- Bid Preparation
- Technical Specification Preparation
- Construction Site Engineering
- Construction Inspection and Compliance Monitoring
- Shop-Drawing Review and Approval
- Master Planning
- Stormwater Monitoring and Sampling
Curtis Todd, P.E. - Senior Civil Engineer

Background / Responsibilities

Mr. Todd has been with DMC for 13 years and has over 35 years of experience in the field of Civil Engineering. He is knowledgeable in civil site design, dredging, structural design, site development, waterway parks and infrastructure projects. He has designed and permitted a vast number of projects, ranging from stormwater structures and surface water management; dredging, seawalls, boat ramps, docks, marinas and shore stabilization; residential, commercial, industrial and recreational development plans; roadway and interchange designs, bridges; permitting to construction, inspection and compliance monitoring. He brings his experiences of design from all parts of the state as well as nationally. Mr. Todd also coordinates site plans with Architects to provide well designed multifaceted projects. He has permitting experience with local, county, state and federal government agencies, including Water Management Districts, Florida Department of Transportation, Florida Department of Environmental Protection and the U.S. Army Corps of Engineers.

Education

Pre-engineering – Southern Illinois University, Carbondale, IL
Civil Engineering – University of Akron, Akron, OH

Professional Affiliations

Florida Engineering Society
Volusia County Association for Responsible Development

Registrations

P.E. Registration, State of Florida, # 37136

Experience/Years with firm: 35/13

Technical Expertise

- Site Drainage and Conveyance Capacity
- Roadway and Parking Grading and Drainage
- Water, Sewer, and Canal Conveyance
- Coordination and permitting process with various agencies.
- Project Management, Coordination and QA/QC
- Local, State and Federal Permitting
- Zoning Ordinance Compliance and Landscaping
- Value and Structural Engineering
- Transportation Engineering
- Multi-use Land Development
- Parks, Parking and Civil Engineering Design
- Water, Sewer, Electrical and Amenities Design
- American Disabilities Act Requirements and Safety
- Stormwater Design and Permitting
- Site Civil Engineering and Planning
- Site Accessibility and Multimodal Reviews
- Site Investigation and Plan Layout
- Site Erosion Control
Will B. Cornelius II, P.E. – Senior Geotechnical Engineer

Background / Responsibilities

Mr. Cornelius has over 13 years of experience as a project engineer/manager for various geotechnical and construction materials testing projects in Florida and the Caribbean. In addition to strong client interaction and management skills, Will has a variety of technical knowledge and practical experience with a wide variety of projects, including bulkhead / seawall analysis and design, shoreline stabilization design, canals, levees, drainage and water management facilities, bridges, roadways, infrastructure, power plants, hospitals and residential and commercial developments. His geotechnical duties have included managing field subsurface explorations and providing foundation and site preparation recommendations. He has also monitored the implementation of conventional site preparation procedures and specialty ground improvement techniques such as Vibro-Replacement, Jet Grouting, and Rigid Inclusions, as well as the construction of deep foundation systems and earth retaining structures for numerous residential and commercial projects.

Education

B.S., Civil Engineering, University of Central Florida, 2002
M.S., Structures and Geotechnical Engineering, University of Central Florida, 2004

Registrations

Professional Engineer, State of Florida, No. 67538

Professional Affiliations

Florida Engineering Society (FES)
Florida Institute of Consulting Engineers (FICE)
National Society of Professional Engineers (NSPE)
Florida Association of Environmental Professionals (FAEP)
Treasure Coast Manatee Foundation – Board of Directors

Experience/Years with firm: 14/4

Technical Expertise

• Bulkhead / Seawall Analysis and Design
• Compatibility Analyses of Dredged Fill Material
• Foundation and Structural Evaluations and Assessments
• Geotechnical Site Explorations
• Seepage and Slope Stability Analysis
• Shoreline Stabilization Design
• Construction Materials Testing and Inspections
• Site Investigation and Plan Layout
• Site Erosion Control
• Cost Estimation
• Rehabilitation of Distressed Pavements and Pavement Management Strategies

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Kristy Michaels, B.A. – Project Ecologist

**Background / Responsibilities**

Kristy has 3 years of experience in coastal environmental science and has intimate knowledge of Florida's coastal processes and ecosystems. In addition to her primary studies Kristy also has extensive knowledge in anthropology, world religions and psychology. She has spearheaded research with invasive species and has conducted planning studies on shoreline stabilization, restoration and habitat creation. Kristy's eclectic academic and professional experience gives her the ability to work with a holistic approach. As a published scientific author Kristy understands the value of diligence and is committed to her work. Kristy's ecological expertise makes her an integral part of our project team.

**Education**

BA, Coastal Environmental Science, Flagler College

Years With Firm: 1 Year

**Technical Expertise**

- Experimental Design and Execution
- Technical Writing
- Project Management
- Environmental Assessment
- Water Quality Assessment
- Shoreline and Habitat Restoration
- Sediment and Water Sampling and Testing
- Data Analysis and Interpretation

**Publications**

- Changes in Sediment Characteristics upon Oyster Reef Restoration, NE Florida, USA. J Coast Zone Management 20: 442.
Dredging & Marine Consultants, (DMC) has offices multiple offices in Florida; Port Orange, Tavares, St. Augustine and Fort Pierce, Florida. Our nearby locations make this project assignment easily accessible for our project manager and team technical staff to provide exceptional client service while ensuring timely completion of all assignments.

Our Port Orange office, located at 4643 South Clyde Morris Blvd. Unit 302, Port Orange, FL 32129, is approximately 14 miles from the UCNSB Office.
**Tab 5: Financial Stability**

**Dredging & Marine Consultants, LLC (DMC)** is a financially stable company that has the necessary resources, human and financial, to provide the services at the level required by the Commission. We provide the same level of services for our numerous public and private clients and currently have over 10 on-going continuing services contracts with several municipal and county governments in Florida.

In addition, **DMC** has not been involved in any lawsuits in which our firm has been involved in relative to company contracts or other company business nor has it failed to complete any work in accordance with any contract in its 16 year history.

**DMC** is willing to supply a financial statement through our independent Corporate Accounting Firm, upon request. **DMC**'s Dunn and Bradstreet number is 827832408.

I, Shailesh K. Patel, authorized agent of Dredging & Marine Consultants, LLC acknowledge the above statements to be true and correct.

Respectfully,
**Dredging & Marine Consultants, LLC**

[Signature]

Shailesh K. Patel, M.Sc. CPSSc.
Managing Member

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RSQ # 10-18
April 5, 2018
CERTIFICATE OF LIABILITY INSURANCE

This certificate is issued as a matter of information only and confers no rights upon the certificate holder. This certificate does not affirmatively or negatively amend, extend or alter the coverage afforded by the policies below. This certificate of insurance does not constitute a contract between the issuing insurer(s), authorized representative or producer, and the certificate holder.

IMPORTANT: If the certificate holder is an additional insured, the policy(ies) must have additional insured provisions or be endorsed. If subrogation is waived, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER: Select Insurance Group, Inc.
1021 Douglas Ave.
Alamonte Springs FL 32714

INSURED: Dredging & Marine Consultants LLC
4643 S Clyde Morris Boulevard Suite 302
Port Orange FL 32129-6001

COVERAGES

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<th>POLICY NUMBER</th>
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<td>PROFESSIONAL LIABILITY</td>
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<td>1/1/2018 - 12/1/2018</td>
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</table>

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES: (ACORD 101). Additional/Amended Schedule may be attached if more space is required.

CERTIFICATE HOLDER: For Proposal Use Only

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

AUTHORIZED REPRESENTATIVE: [Signature]

ACORD 25 (2016/03) The ACORD name and logo are registered marks of ACORD.

RSQ # 10-18
April 5, 2018
2018 City of Port Orange
Business Tax Receipt

DREDGING & MARINE CONSULTANTS
4643 CLYDE MORRIS BLVD 302
PORT ORANGE FL 32129

ISSUE DATE: September 20, 2017
EXPIRATION DATE: September 30, 2018
OWNER NAME: SHAILESH K. PATEL
BUSINESS ADDRESS: 4643 CLYDE MORRIS BLVD 302

BUSINESS TAX NUMBER: 18-00019750
CLASSIFICATION: ENGINEER COMMERCIAL
COMMENTS
STATE LICENSE NUMBER: 9410 02/28/19

TOTAL PAID $50.00

RESTRICTIONS

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

This receipt represents a business tax only. It is not a competency card and is not meant to be a certificate of the holder's ability to perform the service in which he or she is licensed. The issuance of this business tax does not constitute a permit to act in violation of any city codes, regulations or ordinances.

The renewal period for Business Taxes starts July 1st and runs through September 30th. We mail the Local Business Tax renewals in July as a courtesy reminder to allow time for processing payments, printing, and mailing renewed Receipts. It is the recent holder's responsibility to renew before the expiration date to avoid penalties.

Should a business fail to pay their business tax before January 31st, the City will enforce payment of the tax with an additional $250.00 fee as stated in Florida Statute 205 (33(3)) provides any business owner who does not pay the required business tax within 150 days after the initial notice of tax due and who does not obtain the required Receipt is subject to civil actions and penalties, including court costs, reasonable attorney's fees, additional administrative costs incurred as a result of collection efforts and an additional penalty of up to $250.00.
State of Florida
Department of State

I certify from the records of this office that DREDGING & MARINE CONSULTANTS, L.L.C. is a limited liability company organized under the laws of the State of Florida, filed on September 16, 2002.

The document number of this limited liability company is L02000024010.

I further certify that said limited liability company has paid all fees due this office through December 31, 2018, that its most recent annual report was filed on April 4, 2018, and that its status is active.

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

Secretary of State

Tracking Number: CC99547995317
To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.
https://services.sunbiz.org/Filing/CertificateOfStatus/CertificateAuthentication

RSQ # 10-18
April 5, 2018
State of Florida
Board of Professional Engineers
Attest that
Curtis Neal Todd, P.E.

Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2019
Audit No: 128201909255

State of Florida
Board of Professional Engineers
Attest that
Stephen John Kuhn, P.E.

Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2019
Audit No: 22336/0514601

State of Florida
Board of Professional Engineers
Attest that
William Burch Cornelius II, P.E.

Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2019
Audit No: 228201914605

RSQ # 10-18
April 5, 2018
Tab 8: Client References

Contact:
Mr. Kyle Croce, P.E. & Don West, P.E.
Port Engineer & Public Works Director
St. Lucie County
2300 Virginia Ave.
Fort Pierce, FL 34982
Tel: K (772) 462-1491 D (772) 462-2178
Email: crocek@stlucieco.org & westd@stlucieco.org
Contract: Port Engineering Services (2012-Present)

Contact:
Ms. Margaret Tomlinson, RLA, LEED AP
Construction & Engineering Manager
City of Port Orange
1000 City Center Circle
Port Orange, FL 32129
Tel: (386) 506-5661
Email: mtomlinson@port-orange.org
Contract: Professional Engineering Services (2017-Present)

Contact:
Mr. Jim Nelson, P.E.
City Engineer
City of Daytona Beach
950 Bellevue Ave.
Daytona Beach, FL 32115
Tel: (386) 671-8611
Email: nelsoni@cdb.us
Contract: Marine and Environmental Services (2007-Present)

Contact:
Mrs. Tamera Rogers
Community Services Director
City of Tavares
201 E. Main Street
Tavares, FL 32778
Tel: (352) 742-6338
Email: trogers@tavares.org
Contract: Professional Engineering Services (2014-Present)
Tab 9: Other Information

As a local firm, DMC appreciates the opportunity to provide services to the UCNSB. We hope that our name does not deter the commission review committee from considering DMC as an asset on your design projects. As indicated in our cover letter, we have invested time and continue to improve on our client delivery systems and take great pride in our work. We are certain that our client references, most of whom we have built a long-lasting professional relationship will attest to our attention to detail and client services. We are not without flaws, but we take immediate steps to rectify and improve. We offer the following services for further consideration and look forward to being your consultant. In this section, DMC has also provided our Minority Business Certification and the Addendum Acknowledgement, as required.

PLANNING
- Feasibility Project Phasing Assessment
- Public Involvement & Consensus Building
- Grants, Funding and Management
- Bid Preparation & Management
- Hurricane Planning and Recovery

ENGINEERING
- Coastal and Civil Engineering
- Dredging & Material Management
- Shoreline Stabilization & Protection
- Marinas, Seawalls, Docks & Ramps
- Road, Bridge & Drainage Design

ENVIRONMENTAL
- Ecological Resource Surveys
- Environmental Monitoring & Compliance
- Water Quality & Sediment Collection
- Biological, Chemical & Physical Analyses
- Coastal Shoreline & Habitat Management

PERMITTING
- Regulatory Agency Coordination
- Mitigation Planning & Monitoring
- Environmental Resource Permitting
- Threatened & Endangered Species Relocation
- Sovereign Submerged Lands Lease Preparation

INSPECTION
- Construction Inspection & Reporting
- Existing Structures Assessment
- Environmental Compliance Monitoring
- As-built Certification & Project Close-out
- ADA Compliance & Safety
MBE Certification

State of Florida

Minority Business Certification

Dredging & Marine Consultants, LLC

is certified under the provisions of 287 and 295.187, Florida Statutes, for a period from:

08/04/2017 to 08/04/2019

E. Roach, Secretary
Florida Department of Management Services

Office of Supplier Diversity • 4050 Esplanade Way, Suite 380 • Tallahassee, FL 32399 • 850-487-0915 • www.dms.myflorida.com/osd
Addendum No 2 Received By:

[Signature]

4/5/2018
Signature/Authorized Company Official Date

Shailesh K. Patel
Printed Name

Submit this signed form with your proposal on April 5th.
Civil Site Engineering
Stormwater Drainage Management
Dredging & Marine Engineering
Coastal Parks & Recreational Planning
Seawall, Boardwalks, Docks, Ramp Design
Shoreline Stabilization & Protection
Grant Assistance
Environmental Resource Permitting
Endangered Species & Wetland Surveys
Shoreline Habitat Restoration & Enhancement
Water Quality Management
Construction Inspection & Management