

**RFQ 26016; City of Deltona
Parks and Marine Engineering Services
February 12, 2026; 3:00PM**



DMC
Dredging & Marine Consultants

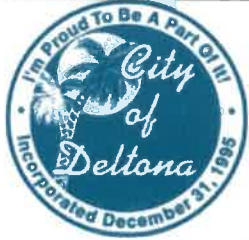
4643 S. Clyde Morris Blvd. Unit 302, Port Orange, FL 32128

Contact Name: Shailesh K. Patel

Phone: (386) 304-6505

e-mail: spatel@dmces.com





**CITY OF DELTONA REQUEST FOR
QUALIFICATONS #26016 FOR ON CALL
PARKS AND MARINE ENGINEERING
SERVICES**

Submit RFQ to:

CITY OF DELTONA

2345 Providence Blvd.
Deltona, Florida 32725

Attn: Purchasing

**CLEARLY MARK SEALED ENVELOPE
WITH BID NAME AND NUMBER**

Contact:

Kate Duffy, CPPO, CPPB
Purchasing Manager
Phone: (386) 878-8570
Fax: (386) 878-8571
kduffy@deltonafl.gov

RESPONDENTS NAME:

Dredging & Marine Consultants, LLC.

Response Due Date & Time:

THURSDAY, FEBRUARY 12, 2026 AT 3:00

P.M.

**MAILING ADDRESS: 4643 S. Clyde Morris
Blvd., Unit 302, Port Orange, FL 32129**

Location of Public Opening:

City of Deltona, 2nd Floor Conference Room
2345 Providence Blvd. Deltona, FL 32725

Phone#: 386-304-6505

These documents constitute the complete set of terms and conditions, specification requirements, and forms. Respondents shall complete and submit the additional required information together with the forms herein in a binder and in the order as they are requested. All responses shall be submitted in a sealed envelope. Firms shall submit **one original and three copies and one thumb drive** of their response, complete with all supporting documentation. SUBMITTAL OF A RESPONSE TO THIS REQUEST FOR QUALIFICATIONS CONSTITUTES A FORMAL DECLARATION OF GENERAL QUALIFICATIONS, EXPERIENCE, AND ABILITY TO PERFORM THE SERVICES OUTLINED IN THE RFQ BY THE COMPANY SUBMITTING RESPONSE. RFQ responses which do not comply with these requirements may be rejected at the option of the City.

CONTACT: All prospective Respondents are hereby instructed not to contact any member of the City of Deltona Commission, City Manager, or City of Deltona Staff members other than the noted contact person regarding this Request for Qualifications their or their response at any time during the RFQ process. Any such contact shall be cause for rejection of your response.

DELAYS: The City, at its sole discretion, may delay the scheduled due dates indicated above if it is to the advantage of the City to do so. The City will notify bidders of all changes in scheduled due dates by written addendum.

PROPOSER'S CERTIFICATION

I have carefully examined the Request for Statement of Qualifications, Instructions to Proposers, General and/or Special Conditions, Specifications, RFQ Proposal and any other documents accompanying or made a part of this invitation.

I hereby propose to furnish the goods or services specified in the Request for Statement of Qualifications at the prices or rates as finally negotiated. I agree that my proposal will remain firm for a period of up to ninety (90) days in order to allow the City adequate time to evaluate the proposal. Furthermore, I agree to abide by all conditions of the proposal.

I certify that all information contained in this RFQ is truthful to the best of my knowledge and belief. I further certify that I am a duly authorized to submit this RFQ on behalf of the Proposer / Consultant as its act and deed and that the Proposer / Consultant is ready, willing and able to perform if awarded the contract.

I further certify that this RFQ is made without prior understanding, Contract, connection, discussion, or collusion with any person, firm or corporation submitting a RFQ for the same product or service; no officer, employee or agent of the City of Deltona Board of City Commissioners or of any other Proposer interested in said RFQ; and that the undersigned executed this Proposer's Certification with full knowledge and understanding of the matters therein contained and was duly authorized to do so.

I further certify that having read and examined the specifications and documents for the designated services and understanding the general conditions for contract under which services will be performed, does hereby propose to furnish all labor, equipment, and material to provide the services set forth in the RFQ.

I hereby declare that the following listing states any clarifications, any and all variations from and exceptions to the requirements of the specifications and documents. The undersigned further declares that the "work" will be performed in strict accordance with such requirements, and understands that any exceptions to the requirements of the specifications and documents may render the proposal non-responsive.

NO EXCEPTIONS ALLOWED AFTER THE RFQ IS SUBMITTED:

Select one: No exceptions taken Exceptions taken

Dredging & Marine Consultants, LLC.
NAME OF BUSINESS

4643 S. Clyde Morris Blvd., Unit 302, Port Orange, FL 32129
MAILING ADDRESS

Spate
AUTHORIZED SIGNATURE

Port Orange, FL 32129
CITY, STATE & ZIP CODE

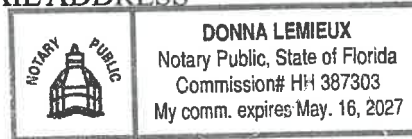
Shailesh K. Patel, President/ Managing Member
NAME, TITLE, TYPED

386-304-6505
TELEPHONE NUMBER / FAX NUMBER

32-0031996
FEDERAL IDENTIFICATION #

Spatel@dmces.com
E-MAIL ADDRESS

STATE OF FLORIDA
CITY OF DELTONA Port Orange



The foregoing instrument was acknowledged before me, this 10 day of February 2026 by

Shailesh K. Patel, who is personally known to me or who has produced _____
as identification and who did take an oath.

My Commission Expires: 5/16/27

Donna Lemieux
Notary Public

This document must be completed and returned with your Submittal

E-Verify Acknowledgement

Contract Number: RFQ 26016

Project Description: On Call Parks and Marine Engineering Services

Consultant acknowledges and agrees to the following:

Consultant shall utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the Consultant during the term of the Contract and shall expressly require any Subconsultant performing work or providing services pursuant to the Contract to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the Subconsultant during the Contract term.

Dredging & Marine Consultants, LLC.
(Firm Name)

[Handwritten Signature]
(Authorized Signature)

02/10/2026
(Date)

Shailesh K. Patel
(Print Name)



STATE OF FLORIDA
County
-CITY OF VOLUSIA

The foregoing instrument was acknowledged before me this 10 day of February, 2026
Shailesh K. Patel, who is personally known to me or who has produced _____
as identification and who did take an oath.

My Commission Expires: 5/16/27

[Handwritten Signature]
Notary Public

CERTIFICATION REGARDING LOBBYING

Required Certification for Federal Contract (FEMA) Byrd Anti-Lobbying Amendment, 31 U.S.C. § 1352 (as amended)

APPENDIX A, 44 C.F.R. PART 18 – CERTIFICATION REGARDING LOBBYING

Certification for Contracts, Grants, Loans, and Cooperative Agreements

The undersigned certifies, to the best of his or her knowledge and belief, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
3. The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The Consultant, Dredging & Marine Consultants, LLC., certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Consultant understands and agrees that the provisions of 31 U.S.C. Chap. 38, Administrative Remedies for False Claims and Statements, apply to this certification and disclosure, if any.



Signature of Consultant's Authorized Official

Shailesh K. Patel, President/ Managing Member

Name and Title of Consultant's Authorized Official

02/10/2026

Date

This document must be completed and returned with your Submittal

CONSIDERATION FOR FEDERALLY FUNDED PROJECTS

By checking the box "Would like to be considered for federally funded projects", the proposer attests that their firm currently complies with and plans to comply with the requirements listed in Section 3 above for the full contract period including any renewal periods. If the proposer elects to cease to comply with the requirements listed in Section 3, the proposer attests that the proposer will notify the Deltona Purchasing Department prior to cessation of compliance with these federal requirements. If a proposer notifies the Purchasing Department, the firm shall remain eligible for projects that are not federally funded for the remainder of the contract period including any renewal periods.

Please check one:

- Would like to be considered for federally funded projects
- Would **not** like to be considered for federally funded projects

Shailesh K. Patel
(Authorized Signature)

02/10/2026
(Date)

Shailesh K. Patel
(Print Name)



STATE OF Florida

CITY OF ~~DELTONA~~ Port Orange

The foregoing instrument was sworn to or affirmed before me this 10 day of February 2026 by Shailesh K. Patel who is personally known to me or who has produced as identification and who did take an oath.

My Commission Expires: 5/16/27

Donna Lemieux
Notary Public


This document must be completed and returned with your Submittal

ADDENDUM ACKNOWLEDGEMENT

I have carefully examined this Request for Statement of Qualifications (RFQ) which includes scope, requirements for submission, general information and the evaluation and award process.

I acknowledge receipt and incorporation of the following addenda, and the cost, if any, of such revisions has been included in the price of the proposal.

Addendum # 1 (Replacement Forms) Date: 01/30/2026



02/10/2026

(Authorized Signature)

(Date)

Shailesh K. Patel

(Print Name)

This document must be completed and returned with your Submittal


DRUG-FREE WORK PLACE

The undersigned firm in accordance with Florida statute 287.087 hereby certifies that

Dredging & Marine Consultants, LLC. does:
(Name of Firm)

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

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.


Shailesh K. Patel
Name
President/ Managing Member
Title
Dredging & Marine Consultants, LLC.
Firm
4643 S. Clyde Morris Blvd., Unit 302
Street Address
Port Orange, FL 32129
City, State, Zip
02/10/2026
Date

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

(To be signed in the presence of notary public or other officer authorized to administer oaths.)

Before me, the undersigned City, personally appeared Shailesh K. Patel, who, being by me first duly sworn, made the following statement:

1. The business address of Dredging & Marine Consultants, LLC. (name of Offeror or business) is 4643 S. Clyde Morris Blvd., Unit 302, Port Orange, FL 32129.

My relationship to Dredging & Marine Consultants, LLC. (name of Offeror or business) is President/Managing Member (relationships sole proprietor, partner, president, vice president).

3. I understand that a public entity crime as defined in Section 287.133 of the Florida Statutes includes 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 in Florida or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any proposal or contract for goods or services to be provided to any public entity or such an agency or political subdivision and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy or material misrepresentation.

4. I understand that "convicted" or "conviction" is defined by the Florida Statutes to mean a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, non-jury trial, or entry of a plea of guilt or nolo contendere.

5. I understand that "affiliate" is defined by the Florida Statutes to mean (1) a predecessor or successor of a person or a corporation 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, or (3) those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate, or (4) a person or corporation who knowingly entered into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months.

6. Neither the Offeror or Consultant, nor any officer, director, executive, partner, shareholder, employee, member or agent who is active in the management of the Offeror or Consultant, nor any affiliate of the Offeror or Consultant has been convicted of a public entity crime subsequent to July 1, 1989. **(Draw a line through paragraph 6 if paragraph 7 below applies.)**

~~7. There has been a conviction of a public entity crime by the Offeror or Consultant, or an officer, director, executive, partner, shareholder, employee, member or agent of the Offeror or Consultant who is active in the management of the Offeror or Consultant or an affiliate of the Offeror or Consultant. A determination has been made pursuant to Section 287.133(3) by order of the Division of Administrative Hearings that it is not in the public interest for the name of the convicted person or affiliate to appear on the convicted vendor list. The name of the convicted person or affiliate is~~
_____.

A copy of the order of the Division of Administrative Hearings is attached to this statement. ~~(Draw a line through paragraph 7 if paragraph 6 above applies.)~~

Shailsh

02/10/2026

(Authorized Signature)

(Date)

Shailesh K. Patel

(Print Name)



STATE OF FLORIDA

CITY OF PORT ORANGE

The foregoing instrument was acknowledged this 10 day of February 2026, Shailesh K. Patel who is personally known to me or who has produced _____ as identification and who did take an oath.

My Commission Expires: 5/16/27

Donna Lemieux
Notary Public

**AFFIDAVIT OF NON-COLLUSION AND OF NON-INTEREST
OF CITY OF DELTONA EMPLOYEES**

Dredging & Marine Consultants, LLC., Shailesh K. Patel being first duly sworn, deposes and says that he (it) is the Offeror in the above proposal, that the only person or persons interested in said proposal are named therein; that no officer, employee or agent of the City of Deltona or City Commission or of any other Offeror is interested in said proposal; and that affiant makes the above proposal with no past or present collusion with any other person, firm or corporation.

Shailesh K. Patel

Signature of Affiant



STATE OF FLORIDA

CITY OF PORT ORANGE

The foregoing instrument was acknowledged before me this 10 day of

February 2026, Shailesh K. Patel who is personally known to me or who has produced

_____ as identification and who did take an oath.

My Commission Expires: 5/16/27

Donna Lemieux
Notary Public

*NOTICE: State name of Offeror followed by name of authorized individual (and title) that is signing as Affiant. If Offeror is an individual, state name of Offeror only.

SUSPENSION AND DEBARMENT CERTIFICATION A
AND VENDOR INFORMATION

Suspension and Debarment Certification Form

- (1) This contract is a covered transaction for purposes of 2 C.F.R. pt. 180 and 2 C.F.R. pt. 3000. As such the vendor is required to verify that none of the vendor, its principals (defined at 2 C.F.R. § 180.995), or its affiliates (defined at 2 C.F.R. § 180.905) are excluded (defined at 2 C.F.R. § 180.940) or disqualified (defined at 2 C.F.R. § 180.935).
- (2) The vendor must comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C and must include a requirement to comply with these regulations in any lower tier covered transaction it enters into.
- (3) This certification is a material representation of fact relied upon by the City. If it is later determined that the vendor did not comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C, in addition to remedies available to the City, the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment.
- (4) The vendor agrees to comply with the requirements of 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C while this offer is valid and throughout the period of any contract that may arise from this offer. The vendor further agrees to include a provision requiring such compliance in its lower tier covered transactions.”

Signature of Vendor's Authorized Official 

Name and Title of Authorized Official Shailesh K. Patel, President/Managing Member

Date 02/10/2026

(Please attach a current W9 Form)

Name of Individual or Business Name:

Dredging & Marine Consultants, LLC.

Parent Company Name (if different than above):

Taxpayer Identification Number (TIN): 32-0031996

Vendor is: Limited Liability Corporation

Corporation Partnership Sole Proprietorship Other _____

Permanent Residence/Corporate Office Address:

Address: 4643 S. Clyde Morris Blvd., Unit 302, Port Orange, FL 32129

Phone 386-304-6505

Email Spatel@dmces.com

This document must be completed and returned with your Submittal



Business Licenses



ONLINE SERVICES

LICENSEE DETAILS

5:13:41 PM 1/29/2026

Apply for a License

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Licensee Information

Name:	DREDGING & MARINE CONSULTANTS, LLC (Primary Name)
Main Address:	4643 S. CLYDE MORRIS BLVD. SUITE 302 PORT ORANGE Florida 32129
County:	VOLUSIA
License Mailing:	4643 S. CLYDE MORRIS BLVD UNIT 302 PORT ORANGE FL 32129
County:	VOLUSIA

License Information

License Type:	Engineering Business Registry
Rank:	Registry
License Number:	9410
Status:	Current
Licensure Date:	10/08/2002
Expires:	

Special Qualifications

Qualification Effective

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2025 FLORIDA LIMITED LIABILITY COMPANY ANNUAL REPORT

DOCUMENT# L02000024010

Entity Name: DREDGING & MARINE CONSULTANTS, L.L.C.

Current Principal Place of Business:

4643 S. CLYDE MORRIS BLVD.
UNIT 302
PORT ORANGE, FL 32129

Current Mailing Address:

4643 S. CLYDE MORRIS BLVD.
UNIT 302
PORT ORANGE, FL 32129 US

FEI Number: 32-0031996

Certificate of Status Desired: Yes

Name and Address of Current Registered Agent:

PATEL, SHAILESH K
4643 S. CLYDE MORRIS BLVD.
UNIT 302
PORT ORANGE, FL 32129 US

The above named entity submits this statement for the purpose of changing its registered office or registered agent, or both, in the State of Florida.

SIGNATURE:

Electronic Signature of Registered Agent

Date

Authorized Person(s) Detail :

Title MGRM
Name PATEL, SHAILESH K
Address 4643 S. CLYDE MORRIS BLVD.
UNIT 302
City-State-Zip: PORT ORANGE FL 32129

I hereby certify that the information indicated on this report or supplemental report is true and accurate and that my electronic signature shall have the same legal effect as if made under oath; that I am a managing member or manager of the limited liability company or the receiver or trustee empowered to execute this report as required by Chapter 605, Florida Statutes; and that my name appears above, or on an attachment with all other like empowered.

SIGNATURE: SHAILESH K PATEL

MANAGING MEMBER

01/18/2025

Electronic Signature of Signing Authorized Person(s) Detail

Date



Key Personnel Licenses

THE OFFICIAL SITE OF THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION



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- [Unlicensed Activity Search](#)
- [AB&T Delinquent Invoice & Activity List Search](#)

LICENSEE DETAILS

8:25:45 PM 3/20/2025

Licensee Information

Name:	PATEL, MEHUL JAYANTI (Primary Name)
Main Address:	4643 S. CLYDE MORRIS BLVD. UNIT 302 PORT ORANGE Florida 32129
County:	VOLUSIA

License Information

License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	75549
Status:	Current,Active
Licensure Date:	01/12/2013
Expires:	02/28/2027

Special Qualifications

Special Qualifications	Qualification Effective
Civil	07/26/2012

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LICENSEE DETAILS

8:28:44 PM 3/20/2025

Licensee Information

Name:	FEYGIN, VITALY B. (Primary Name)
Main Address:	805 161st St EAST BRADENTON Florida 34212
County:	MANATEE

License Information

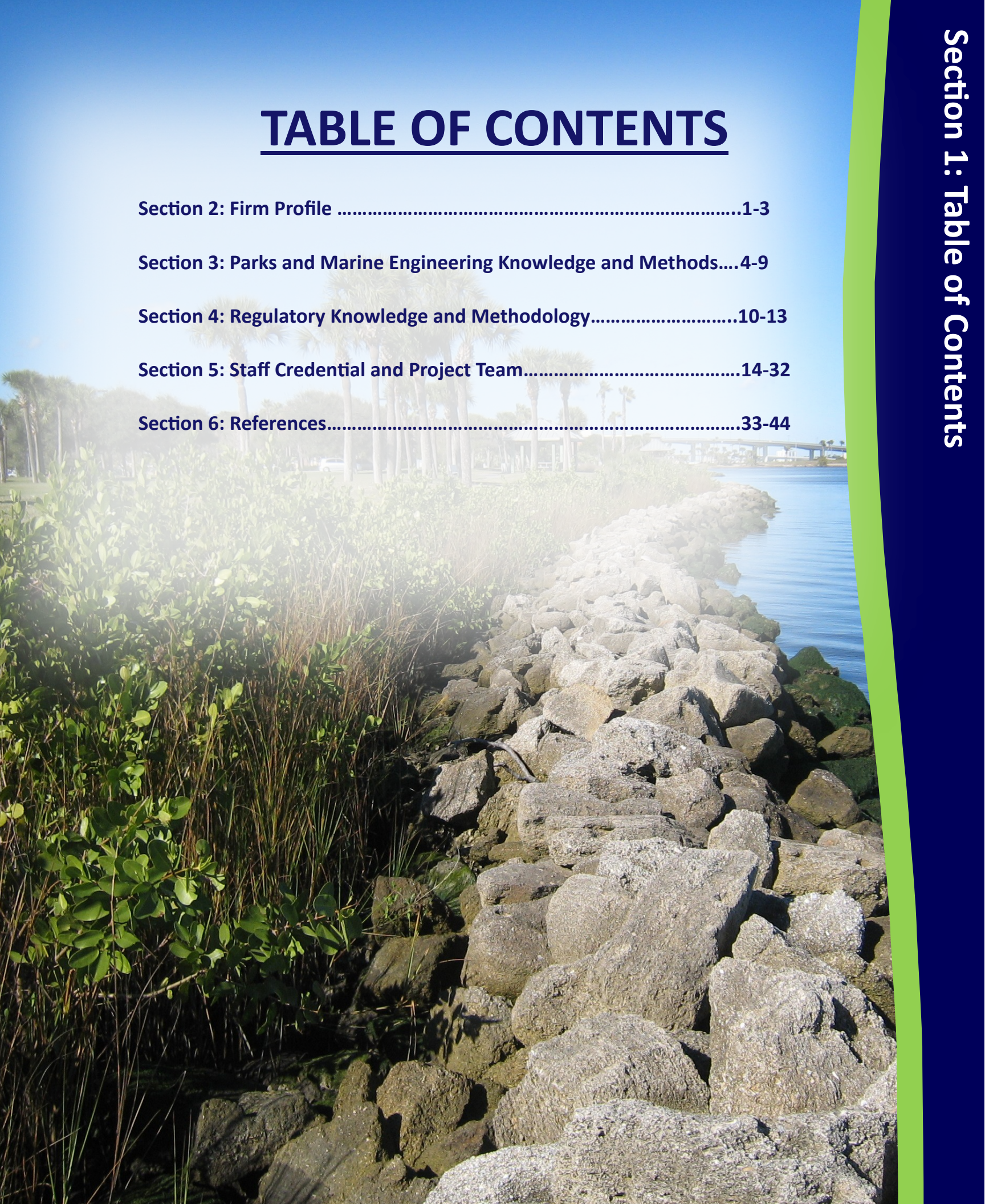
License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	65890
Status:	Current,Active
Licensure Date:	02/05/2007
Expires:	02/28/2027

Special Qualifications

Special Qualifications	Qualification Effective
Structural 1	02/05/2007

TABLE OF CONTENTS

Section 2: Firm Profile	1-3
Section 3: Parks and Marine Engineering Knowledge and Methods....	4-9
Section 4: Regulatory Knowledge and Methodology.....	10-13
Section 5: Staff Credential and Project Team.....	14-32
Section 6: References.....	33-44





Section 2: Firm Profile



Section 2: Firm Profile - **Dredging & Marine Consultants: Florida Roots / Global Mindset**

RE: RFQ NO. 26016; Parks and Marine Engineering Services; City of Deltona

Dear Selection Committee:

Dredging & Marine Consultants, LLC (DMC) is pleased to submit this qualifications package to the City of Deltona (City) in response to the above-referenced Request for Qualifications. **DMC** was founded in 2002 and has over 23 years of parks and marine engineering expertise in coastal and freshwater systems which we offer numerous city, county, and federal governments throughout Florida. Our managerial and technical design team has over 100+ years of knowledge and experience in delivering clients practical, constructible solutions supported by responsive project management and proven technical expertise in these specialized services. We are a Volusia County Civil and Marine Engineering firm with our corporate office in the City of Port Orange, approximately 30 minutes from the City of Deltona enabling us to be available to the City within a 24-hour notice. We are excited to be a part of the City’s team and grow this partnership to systematically improve its parks and waterfront infrastructure for long-term sustainability, resilience and utilization by residents and visitors alike. We recently met with the City management to facilitate conceptual drawings for numerous parks in the City in support of securing ECHO grants. Assisting municipal clients with preparing and managing the reporting of grants is a key area of service that **DMC** assists clients with on an annual basis. Because these are key service areas, **DMC** will be able to assist the City generate cost estimates to further strategically support grant and project planning to make the concepts become a reality! Our goal will be to develop a partnership and develop a holistic project plan(s) with the City by being an extension of your strategic planning, technical, and management team.

DMC understands that the City of Deltona’s extensive park system, proximity to Lake Monroe, and location within the St. Johns River watershed create unique challenges related to stormwater management, flood resiliency, and long-term maintenance of waterfront and recreational facilities. However, that also presents unique opportunities to further enhance the infrastructure within these parks to facilitate the vision of the City *“to provide a high quality of life where people live, work and play in a safe and secure environment.”* Public investment in parks and associated infrastructure plays a vital role in fulfilling the vision and further emphasizes the need for reliable and sustainable park and marine development. **DMC** understands the technical, regulatory, and documentation requirements associated with developing conceptual planning materials for park and waterfront improvement projects, including the proposed improvements at Keysville Park, Lake Shore Park, and Festival Park. **DMC** will apply its creativity, engineering expertise, grant management to evaluate existing conditions and prepare scaled conceptual layouts for recreational amenities, parking, trails, boat ramps, shoreline stabilization, pavilions, lighting, and associated amenities to support preliminary cost estimating for the ECHO grant submittals.

Based on the Scope of Services outlined in the RFQ, **DMC** possesses vast knowledge, specialized experience, management and all the technical capabilities and resources to successfully support the City. If additional services are required, **DMC** has built relationships with other technical firms in this field to supplement specific project needs. **DMC**’s services include, but are not limited to, the following:

PLANNING

- Design Strategies & Phasing Assessment
- Public Education & Consensus Building
- Strategic Funding and Management
- Multi-agency/Departmental Coordination
- Hurricane Preparedness and Recovery





ENGINEERING

- Waterfront and Community Parks
- Dredging & Material Management
- Shoreline Stabilization & Protection
- Marinas, Seawalls, Docks & Ramps
- Civil & Stormwater Design Engineering



ENVIRONMENTAL

- Ecological Resource Surveys
- Environmental Monitoring & Compliance
- Water Quality & Sediment Collection
- Biological, Chemical & Physical Analyses
- Wetland Delineation and Mitigation



PERMITTING

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



INSPECTION

- Bid Preparation and Management
- Construction Inspection & Grant Reporting
- Structures Assessment & ADA Compliance
- Environmental Compliance Monitoring
- As-built Certification & Project Close-out



Local Responsiveness

Dredging & Marine Consultants LLC (DMC) is headquartered in Port Orange, Florida, with additional branch offices in Fort Pierce (St. Lucie County), St. Augustine (St. Johns County), Tavares (Lake County), and Tampa (Hillsborough County). As a specialized and cross-trained team, **DMC** can quickly deploy staff to meet project needs. Our team’s versatility in engineering, permitting, and construction oversight allows us to adapt and mobilize on short notice, with <24 hours’ notice, for site visits, meetings, and other needs. We also use remote tools like Microsoft Teams and cloud-based platforms to ensure clear, real-time communication and project responsiveness.

Experience and Agency Relationships

Through our Senior staff, **DMC** has cultivated strong relationships with key state and federal regulatory agencies over our 35 years in collaboration with the regulatory agencies, including Florida’s Water Management Districts, the Florida Department of Environmental Protection (FDEP), the Florida Department of Transportation (FDOT), and the U.S. Army Corps of Engineers (USACE). The permitting knowledge and rapport enable us to navigate the regulatory landscape efficiently, helping to keep projects on schedule and within budget while upholding the highest standards of safety and design integrity. We are very familiar with hurricane impacts and the need to assist with disaster relief and working with FEMA and its mindset when it comes to documentations and need for damage estimation and mitigation requirements. We have assisted several coastal cities and counties in Florida’s over numerous hurricanes, including the recent hurricane impacts in 2022/23.



Why should the City consider DMC? We offer the following three key aspects that have enabled us to serve public entities over the 23 years in business as a State of Florida Certified Minority Business Enterprise (MBE), an FDOT Disadvantaged Business Enterprise (DBE), and Small Business Enterprise (SBE):

- 1. Staff Consistency and Responsiveness:** DMC is committed to using the same staff for all technical and management aspects throughout the project to enable seamless, consistent and familiarity in staff communications and work delivery. Collectively, our senior personnel have over 100+ years of experience, allowing DMC to perform task assignments within time and budget. We assign a staff member to manage scheduling and budgets, and we utilize a “two-person team project management” approach. This allows us to be responsive to clients regardless of holidays and vacations, so that a management team member is always responsive to our client. This may be verified by City staff we have worked with. **Our goal is to manage projects so that the City’s Project Manager does not have to!**
- 2. Grant Administration/Strategic Funding:** With increasing construction and materials costs, current political climate on tariffs, more of our public/municipal clients request our assistance for assisting with grants and cost estimating to design and build projects. DMC has assisted with submitting and securing numerous grants from agencies such as the Volusia ECHO grant, Florida Recreation Development Assistance Program, Florida Department of Transportation, Florida Fish and Wildlife Conservation Commission, Federal Emergency Management Administration, Department of Emergency Management, and the Natural Resources Conservation Service. We will assist the City leverage its dollars to secure additional funding by developing financial strategies that maximize funding to make projects a reality! As indicated, DMC will be assisting the City generate drawings in support of the ECHO grant application.
- 3. Holistic Approach:** This aspect is what differentiates DMC as a consultant and partner to our clients. We will be an extension of City staff to offer guidance in planning, financial and funding strategies, phasing approach to design, permitting, and construction. Our considerations extend to Maintenance and Operations as well, in other words, the life of a project. We take the initiative to ask questions to understand future considerations that may impact current designs and enable us to accommodate for future considerations such as stormwater management. We pledge to be proactive and assist the City with developing comprehensive and efficient strategies.

Below are the key team members for this RFQ, along with the primary office and anticipated availability per week:

NAME	HOURS/WEEK AVAILABILITY	LOCATION
Shailesh Patel, M.Sc., CPSSc.	8-32	Port Orange, FL
Vitaly Feygin, P.E.	16-40	Port Orange, FL
Mehul Patel, P.E.	16-40	Port Orange, FL

Our Port Orange (Corporate Office) will be primarily responsible for work under this solicitation. Mr. Shailesh K. Patel will serve as the Authorized Point-of-Contact for any contractual obligations under this solicitation and ensure adequate resources to complete all projects within budget and on time. He can be contacted at 4643 S. Clyde Morris Blvd., Unit 302, Port Orange, FL 32129; Tel: (386) 304-6505; Mobile: (386) 846-4760; email: spatel@dmces.com. Our Senior Principal Engineer, Mehul J. Patel, P.E. will lead our technical team and can be contacted at Mobile: (407) 832-7455; email: mpatel@dmces.com to serve the City’s best interests. We graciously thank you for this opportunity.

Respectfully,

Dredging & Marine Consultants, LLC.

Shailesh K. Patel, M.Sc., CPSSc.
 President

Mehul J. Patel, P.E.
 Senior Principal Engineer



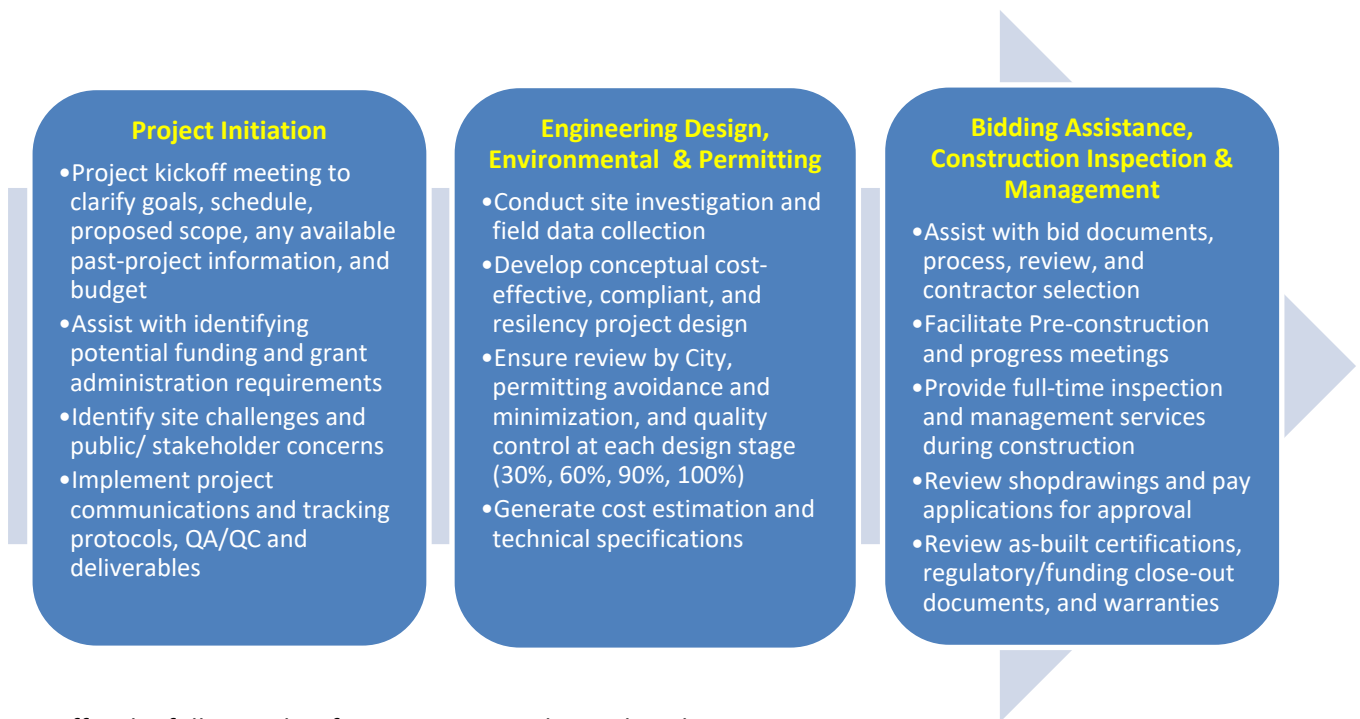
Section 3: Parks and Marine Engineering Knowledge and Methods



Section 3: Parks and Marine Engineering Knowledge and Methodology

Dredging & Marine Consultants, LLC (DMC) brings a comprehensive understanding of the technical, regulatory, environmental, and operational requirements associated with marine and park infrastructure projects from initial planning through final construction and closeout. With more than 100 years of combined senior staff experience delivering projects throughout Florida’s coastal, estuarine, and freshwater environments, DMC has developed deep expertise in addressing the complexities of wind fetch, wave action, tidal fluctuations, and hurricane impacts on waterfront shorelines, public amenities, and environmentally sensitive settings. Our team also brings specialized experience in planning, designing, and enhancing waterfront recreational parks and public spaces to ensure long-term resilience, public safety, and protection of surrounding natural resources.

DMC presents the following project technical process flow chart, which briefly highlights our project methodology/approach to support the needs and objectives of a coastal project. We also briefly discuss our method for quality control from project initiation to final completion and maintaining project schedule:



We offer the following brief expectations under each task:

1. Project Initiation:

We begin the assigned proposal (project) request with a pre-proposal meeting with the City to further understand all investigative and design aspects and develop a holistic approach that will enable our team to guide the City with future considerations and then develop appropriate scope budget. Once a scope and budget are approved, we will schedule an in-person meeting to discuss all requirements and reporting protocols, deliverables, review and comment periods, and if needed, other inter-departmental reviews within the City. This is important, particularly for new design projects to ensure compliance with planning and zoning requirements. We also ensure that invoicing requirements are met especially if the project has grant funding. We will clearly define all project design, funding requirements, anticipated construction dates and expectations, deliverables, formats, schedules, and invoicing for seamless project flow. We will seek clarification as needed to ensure all key stakeholders are



involved and aligned on a clear path forward, if required. Effective communication is crucial, and our management and technical teams will facilitate this process via emails and other acceptable means of communication. Occasionally, public engagement and commission presentations are needed and **DMC** will assist with these. Our goal is to provide strategic design and financial planning to support the City's project design and construction objectives.

2. Engineering Design, Environmental, and Permitting

DMC will implement a site investigation to collect site specific information to better obtain perspective for design considerations. We will document existing site conditions for discussion during our established bi-weekly meetings to discuss all active design and construction projects. These meetings enable the **DMC/City** team to ensure that the projects are progressing, and any issues are discussed with action items to meet expected project timelines and schedules. **DMC** will research and collect historical information regarding the existing site, including previous permits, plans, geotechnical reports, utility plans, surveys, etc.

DMC ensures that any field data collection is implemented based on an understanding of the local, state and federal permitting requirements gained during a pre-application meeting. We then complete the necessary surveying, geotechnical investigation and utility locates or coordinate these tasks with our sub-consultants or those that may already be used by the City for local work. The selection of our technical team for this solicitation has been deliberate, drawing upon our extensive experience collaborating on many successful projects related to that of this RFQ. Leveraging our deep local knowledge and expertise, we have assembled a team fully capable of delivering all coastal services expected in this solicitation. Based on the information collected **DMC** will design the various components of the project scope in accordance with local, state, and federal permits, standards, including safety and ADA compliance.

With our holistic approach to design, we understand the importance of aligning coastal and dredging projects with environmental regulations, particularly Chapter 62B-33, and seasonal environmental constraints. Our designs proactively account for sea turtle nesting season, gopher tortoise habitat protection, and seagrass evaluation period, amongst other considerations. For coastal work east of the Coastal Construction Control Line, we address impacts to dunes, nesting areas, drainage, beach quality fill, and lighting requirements. For dredging, we consider timing restrictions and monitoring related to various species, turbidity requirements, seagrasses, and other benthic resources.

We expedite design and permitting efforts to meet critical construction windows, coordinating early with regulatory agencies to avoid delays and ensure compliance. This approach not only protects sensitive habitats and water quality but also helps clients avoid schedule disruptions and ensures infrastructure is built to withstand Florida's harsh coastal conditions.

Our team is well-acquainted with the requirements of the State agencies such as the Florida Department of Environmental protection and Water Management District as well as Federal agencies, such as the US Army Corps of Engineers, US Fish and Wildlife Service, Florida Fish and Wildlife Conservation Commission, and National Marine Fisheries. After completion of permit packages and submittal to the respective agencies, our team responds promptly to all Requests for Additional Information to ensure timely acquisition of State and Federal permits. We maintain regular dialogue and communication with regulatory agencies to fostering a collaborative relationship that will benefit both the City and the agencies involved.



In our design process, we develop 30%, 60%, 90%, and 100% design plans, each collaboratively reviewed with the City to ensure alignment with expectations. Each phase undergoes a QA/QC process to ensure compliance with required codes and standards. At the 30% stage, we provide sufficient details for permit drawings and initiate regulatory discussions. Between the 30% and 60% phases, we develop technical notes, specifications, and cost estimates, aiding in potential funding considerations. By the 90% phase, technical notes and specifications are nearly finalized, along with a refined cost estimate. We incorporate two to three weeks for City review at each stage, integrated into our project schedule to maintain timely progress, and typically address City feedback within a month.

3. Bid Assistance, Construction Inspection and Management:

The **DMC** team has staff qualified in bid assistance, and construction inspection and management for conducting all phases of pre-, during, and post-construction administrative support. It is important that the City recognizes that the technical inspection requirements for waterfront amenities are different than the traditional building inspection or transportation requirements. We have specialized and seasoned staff in this field to provide construction services to include:

- Assist with bid contract template preparation and schedule verification.
- Provide technical specifications and drawings.
- Facilitate pre-bid meetings and responses to any contractor questions.
- Review bids and offer a recommendation of contractor, if needed.
- Coordinate and attend the pre-construction meetings.
- Review of emergency and safety plans, including Maintenance of Traffic plan, if required.
- Review of shop drawings, product information sheets, logs, geotechnical testing results and other required submittals, as applicable.
- Verify products and materials in the field.
- Conduct site visits, or as may be needed, to monitor construction activity and conformance with the plans and technical specifications. All site visits will be documented with photographs and field activity reports. Site visits will also be conducted at critical stages of construction or for any unforeseen conditions that require immediate conflict resolution.
- Review pay-applications submitted by the contractor and recommend for payment or revision.
- Answer any technical questions raised by the contractor during construction, and/or clarifying any items in the plans or technical specifications, if required.
- Review red-lined plans indicating any deviations from the plans and/or technical specifications that were agreed upon at the site during construction.
- Schedule a project walkthrough when the contractor has determined the project to be substantially complete and will generate a punch-list of items to be addressed by the contractor before the project can be accepted as fully complete.
- Assist with securing documents for Release of Liens.
- Review as-built drawings and preparation of recommendations to correct any noted deficiencies.
- Secure all warranty documents and maintenance plans, as required.
- Submit as-built drawings and other required close-out documents and certifications to appropriate regulatory and funding agencies.



As part of our design approach, we consider cost-effective solutions that enhance project longevity, minimize maintenance, and maximize value with the following considerations:

Material Selection & Optimization – We specialize in the evaluation, specification, and optimization of materials for marine and civil engineering infrastructure, specifically waterfront structures that are constantly exposed to the natural elements and cyclical water wetting and drying periods. Our material selection process utilizes our 100+ years of combined staff technical experience and staying abreast of new products and understanding technical specifications, compatibility based on engineering analysis of structural capacity, durability, corrosion and abrasion resistance, constructability, and lifecycle cost. Material performance is evaluated with respect to service life expectations, maintenance requirements, and compatibility with applicable codes and industry standards. This technically driven approach results in robust, durable, and cost efficient solutions that improve the long-term performance, safety, and sustainability of public marine and civil infrastructure.

Efficient Design & Value Engineering – At DMC, we take a practical approach to value engineering, focusing on smart design, cost efficiency, and long-term durability. We carefully evaluate materials, construction methods, and design options to find the best balance between performance, savings and designing in harmony with nature to minimize resource impacts. By considering environmental conditions and structural needs, we identify solutions that enhance resilience while keeping maintenance costs low. Whether it's selecting the appropriate materials, streamlining construction, or making strategic design adjustments, our goal is to deliver high-quality, cost-effective solutions without compromising strength, functionality and aesthetics.

Sustainable & Resilient Solutions – Sustainability and resiliency are ingrained in our design approach, and particularly in our coastal setting having experienced hurricane storms over the past 30 + years in our State. As a progressive company, DMC stays abreast of innovative and sustainable technologies, especially those that integrate the natural and built environments. We also scrutinize claims made by product manufacturers so that we are confident when we recommend green engineering and hybrid infrastructure solutions such as vegetated swales, porous and pervious pavements, grated decking products, synthetic materials that they will withstand the Florida weather, heat, storms, and humidity. We also consider value-engineering, operations, and maintenance of these products and features as part of our holistic approach to design. This enables our clients to lead with premiere projects designed with sustainability and resiliency at their core.

At **DMC**, our goal is to provide the City with exceptional service experience. We continuously study best practices from other industries to enhance our project management and client communication. For example, we strive to deliver what we call the “Uber Experience,” a model of clarity, transparency, and comfort. Just as Uber keeps passengers informed about their driver, vehicle, and arrival time, **DMC** keeps clients informed at every project milestone. From project initiation through completion, the client will always know the technical staff on the project, expected schedule, and real time progress. We document key decisions, maintain transparent monthly invoicing tied to work completed, and ensure full visibility of project status, cost, and deliverables. Our goal is for the City to feel confident and at ease throughout the journey, knowing that **DMC** is driving the project safely and efficiently to its final destination. Similarly, we have incorporated many business management and technical efficiency through examples from Disney, Toyota Manufacturing, NASCAR Racing, Boeing, Sony, etc. All these corporations have added great insights and values that relate to a mindset, engineering innovation, and ultimate client experience. This is how we strive to give our clients a similar experience, utilizing the phrase from Lexus Automotive that is always “in pursuit of excellence,” which we continually strive for!



Scheduling

Lastly, we offer the following typical example of a timeline that we will share with the City for an assigned project. This schedule is as an example demonstration so the City will be able to track project deliverable from Notice-to-Proceed. Please note that some projects, based on NTP, could be impacted by the various environmental seasonal investigation requirements and thus regulatory permitting requirements.

Months from NTP	1	2	3	4	5	6	7	8	9	10	11	12	13
Project Initiation and Stakeholder Engagement													
Project Kickoff Meeting													
Field Investigations and Data Collection													
Existing Data Collection													
Geotechnical Testing													
Surveying													
Engineering and Design													
30% Design													
60% Design													
90% Design & Technical Specifications, Costs													
Finalize Design Plans, Technical Specifications and Construction Documents													
Permitting													
Pre-application Meetings (State & Federal)													
Prepare and Submit Permit Application Package (State & Federal)													
Agency Review and Responses to Request(s) for Additional Information													
Final State Permitting													
Final Federal Permitting													
Bid Assistance and Construction Management													
Advertise, Bid Documents, and Contractor Recommendation													
Construction Inspection & Management													TBD



All design, engineering, permitting, grant assistance, bidding support, construction management and inspection, services will be performed directly by **DMC**. **DMC** will serve as the prime consultant and will maintain full responsibility for project management, coordination, quality control, and delivery of all services.

To support specialized technical components of the work, **DMC** has strategically assembled a qualified team of sub-consultants with extensive experience in parks and marine projects:

Name of Sub-Consultant	Services to be Performed	% of Services
Andreyev Engineering, Inc.	Geotechnical Engineering, Foundation and Seepage Analysis, Hydrogeology & Surface Water Hydrology, Construction Materials Testing & Inspection	7.5%
Sliger and Associates, Inc.	Boundary Surveys, Topographic Surveys, Hydrographic Surveys, Right-of-Way Surveys, As-Built Surveys, GIS Mapping.	7.5%

Quality Assurance/ Quality Control & Design Review:

DMC initiates each project with QA/QC and Risk Management in mind. Mr. Shailesh K. Patel, Senior Principal, will ensure that the design team will cross-check work, calculations, and design parameters. Our senior engineers and scientists review all fieldwork and design prior to execution to ensure all state and federal design standards and our internal Standard Operating Procedures (SOP’s) are adhered to during all aspects of our work. This is also expected from all our subconsultants. Mr. Patel and other senior staff review the final product before it is approved for design implementation. Each step of the project has QA/QC incorporated along with “risk assessment”, if any. As we coordinate and review the project, we will meet with City staff to address issues and concerns to ensure a well-designed, standard compliant, constructible, viable, and safe final-product.



Section 4: Regulatory Knowledge and Methodology



Section 4: Regulatory Knowledge and Methodology

Regulatory Knowledge and Experience:

Dredging & Marine Consultants, LLC (DMC) has extensive experience obtaining complex state and federal permits for marine infrastructure projects throughout Florida. Our team routinely coordinates with the **U.S. Army Corps of Engineers (USACOE)**, the **Florida Department of Environmental Protection (FDEP)**, the **Water Management Districts**, and other resource agencies including the **Florida Fish and Wildlife Conservation Commission, National Marine Fisheries Service**, and the **U.S. Coast Guard**, when needed. As stated in other sections, our senior staff has a great rapport with regulatory review and senior staff at these agencies, thus if needed, we can move a project “up the chain of command” to facilitate resolution and efficiency in permitting. This is generally more applicable when there are grant deadlines that impact project funding needs and we require to have responses expedited from these agencies.

DMC has extensive experience permitting projects throughout Florida’s freshwater and marine environments. Our team is familiar with permitting requirements related to hydrodynamics, wind-fetch impacts, and various floral and faunal resource protection where avoidance and minimization are important. We have vast experience in dealing with permit requirements for in-water and over-water infrastructure, shoreline stabilization, and navigation and restoration dredging activities. This includes stormwater management and impacts for various park designs on receiving waterbodies, flood impacts and mitigation considerations. This local and regional experience allows **DMC** to effectively support projects within the City of Deltona and its water bodies. We routinely coordinate Environmental Resource Permits, Submerged Lands Authorizations, and federal Section 10/404 authorizations for with the USACOE for various types of projects. **DMC** also has significant experience permitting shoreline stabilization systems and marine structures, including seawalls, bulkheads, revetments, fixed and floating docks, piers, pedestrian boardwalks, minor bridges, boat ramps, and associated overwater improvements. Our permitting efforts address navigational clearances, submerged lands requirements, habitat protection measures, secondary impacts, material impacts to water resources to ensure compliance with regulatory standards and compatibility with adjacent properties.

Regulatory Methodology:

DMC’s permitting approach and methodology emphasizes early agency coordination, thorough technical documentation, and proactive management of environmental and regulatory constraints. This process allows our team to minimize review cycles, efficiently address agency comments, and maintain predictable project schedules. **DMC** follows a structured and effective permitting methodology to efficiently obtain state and federal approvals while minimizing schedule and cost impacts.

1. Early Agency Coordination/Pre-application Meetings: Generally, **DMC** conducts pre-application meetings with review agencies by providing a conceptual plan to initiate discussions. These meetings are used to confirm permitting pathways, identify environmental constraints, challenges for avoidance and minimization of resource impacts, and establish agency expectations. **DMC** understands the importance of aligning permitting schedules with specific environmental data collection windows, seasonal wildlife protection requirements, and funding deadlines. This initial step allows everyone to understand the needs of our client, design considerations, and if needed, grant deadline impacts to the project.

2. Regulatory and Environmental Due Diligence: **DMC** completes a detailed review of site conditions, regulatory requirements, design impacts top potential environmental resources and incorporates field data gathering based on potential design needs. Our field survey includes evaluation of floral and faunal resources, other benthic



resources, wetland impacts, wildlife constraints, navigation impacts, and other submerged lands considerations. Required environmental surveys and technical studies are coordinated early to avoid delays. However, sometimes projects are initiated after these environmental windows for data collection required by agencies and if that occurs, we communicate this with our clients to understand project timelines and expectations. One of the challenges that are faced in permitting relates to discovery of unique resources that are protected or could be impacted by the design or trigger secondary impact considerations by the agencies. However, we draw from past data to facilitate a resolution, when possible, to offer potential and acceptable resolutions. These collaborative efforts do occasionally result in extended timelines to complete work, but our team builds enough time so that we make every effort to facilitate project timelines and goals.

3. Preparation of Complete Permit Applications and Responses to Additional Information:

Our in-house permitting specialists prepare and fully coordinated permit applications, tables and data, including engineering plans, environmental documentation, compliance measures, impact analyses, and mitigation measures. Applications are prepared to address agency criteria and minimize Requests for Additional Information (RAIs), however, the RAI in cases of new projects are unavoidable. When RAIs are received, our experts will address issues and respond as soon as practicable to maintain schedules. Permit application forms are sent to the client for signatures and authorizations that enable **DMC** to serve as the client's agents in permitting but maintaining the client as the applicant.

4. Integrated Schedule Management

We develop permitting schedules that are aligned with seasonal environmental windows, funding requirements, and anticipated construction timelines. **DMC** incorporates review periods and contingency time into project schedules to maintain realistic delivery targets. In addition, **DMC** maintains regularly scheduled monthly coordination meetings with key regulatory agencies to review active and upcoming projects, confirm permitting requirements, and address potential issues early in the process and ensure any changes to plans are communicated to all agencies. This strategy has enabled us to maintain projects on schedule which otherwise would derail schedules due to permitting delays and obstacles as each agency has their own timelines on responding to our permits and RAIs. **DMC** utilizes a structured internal project management and tracking system through Monday.com, a project management tool, to monitor all permitting tasks, submittals, agency correspondence, and regulatory deadlines. Each project is assigned a dedicated project manager responsible for maintaining detailed permit logs, tracking RAIs, coordinating technical responses, and verifying completion of all regulatory requirements. All permitting activities, milestones, and response deadlines are documented and updated in real time within this system. Automated reminders, status tracking, and internal reviews help ensure that critical items are addressed promptly, and no regulatory requirements are overlooked. This centralized management platform allows **DMC's** technical and management teams to maintain full visibility of project status and coordinate efficiently across disciplines. Through this structured and transparent workflow, **DMC** can maintain consistent quality control, minimize re-submittals, and support timely regulatory approvals.

5. Final Approval and Compliance Coordination

Following permit issuance, **DMC** verifies all conditions of approval and integrates permit requirements, especially any special conditions and compliance requirements into construction documents and specifications. Our team continues regulatory coordination and compliance through construction phase until final project close-out. Upon close-out, we send the required certifications to notify the regulatory agencies, as needed.



Below are examples of complex projects that we have facilitated or are on-going to demonstrate our permitting knowledge, experience, and approach/methodology in permitting. In addition, in Section 6, we have included numerous examples of various waterfront projects that we have designed requiring FDEP and USACOE permits.

Cassan Park Improvements: This project was successfully completed with the City of Ormond Beach along the Intracoastal waterway (ICW). The project was designed and permitted to create a floating dock facility to bring more transient boaters to the City's downtown and historic area. The project required navigational dredging and placement of an in-water wave-break to dissipate wind and storm generated waves that were impacting the landward boat ramp facility and shoreline. Without the in-water rock wave-break, the newly designed transient floating dock facility would also have been affected by wave impact. We secured both FDEP and USACOE permits. In addition, we had to coordinate the design with AT&T for consideration of their submerged cable pipeline that crossed the ICW near the project site. **DMC's** specialized team was able to complete all resource surveys and provide a reasonable design to permit and build the entire facility as planned. We had to make modifications to the rock wave-break because the AT&T submerged pipeline that was installed several decades ago was discovered to be off set and did not match the location on their plans. We were able to facilitate the shift and ensure the required safety precautions and notified all agencies and were able to complete the work on schedule. This project was successfully completed, met grant requirements, and has been a resounding success and met all requirements that our client had envisioned and was selected by the Surf Coast Chapter of the Florida Planning and Zoning Association for Outstanding Innovation and Design.

North Causeway Island Park Boat Ramp Improvements: This project is currently in the construction phase for St. Lucie County. **DMC** was retained to redesign the County's boat ramp facility near the St. Lucie Inlet, a highly utilized public access point due to its proximity to both the inlet and the Intracoastal Waterway (ICW). The existing facility consisted of aging fixed wood docks that required frequent maintenance and were difficult to use during low-tide conditions. Following evaluation of site conditions and documented storm impacts that affected ramp accessibility during extreme weather events, **DMC** recommended a comprehensive redesign of the entire facility. Improvements included raising site elevations for enhanced storm resilience, redesigning ramp slopes for improved launch performance, converting fixed accessory docks to floating systems, expanding trailer parking capacity, and incorporating new pavilions, prefabricated restroom facilities, and site lighting.

DMC coordinated the redesigned site layout and stormwater management system with FDEP and the U.S. Army Corps of Engineers, completing all permitting requirements. Additional coordination was required with FDOT due to the reconstruction of the North Causeway Bridge to a 65-foot clearance structure adjacent to the park, as well as with Florida Power & Light for installation of electrical infrastructure supporting site lighting. The project required extensive interagency coordination beyond standard regulatory approvals, and **DMC** facilitated all permitting, design integration, and construction coordination to ensure compliance with both Florida Fish and Wildlife Conservation Commission (FWC) and Florida Inland Navigation District (FIND) grant requirements. **DMC's** involvement enabled the County to secure \$1.7 million in combined FWC and FIND grant funding. Our team assisted with grant preparation, agency presentations, award procurement, and ongoing grant reporting. Notably, the FWC award represented the largest single State grant issued under that program at the time of award. The project is in its final stages of construction and is anticipated to be completed by June 2026.

Spruce Creek FEC Channel Feasibility, Dredging, and Permitting: This Volusia County project involves development of a navigational dredged channel beneath and adjacent to the Florida East Coast (FEC) Railroad trestle, where sedimentation and biological growth had created significant boating safety concerns. Local homeowners requested County assistance to address hazardous navigation conditions caused by channel constriction and elevated flow velocities. Bathymetric and resource surveys identified extensive oyster reef growth within the channel, which had narrowed navigation to a limited passage and contributed to unsafe boating conditions. The presence of these reefs made the project unique, as much of the navigational impairment was driven by protected biological resources rather than conventional sediment shoaling.



DMC is currently leading the permitting process, which has been particularly complex due to the environmental sensitivity of oyster resources and the absence of established regulatory precedent for similar projects in this setting. Each regulatory agency initially applied different mitigation expectations, resulting in an extended coordination and review period exceeding six months. To address these concerns, **DMC** developed a comprehensive avoidance and minimization strategy, including refinement of the navigational template to reduce impacts. In coordination with permitting agencies, the project team established a reasonable assurance plan incorporating oyster relocation, expanded restoration coverage, and long-term success criteria. The design also integrates enhancement of essential fish habitat by beneficially reusing dredged sediment as base material for relocated oysters and new habitat modules. This approach supports ecological function while maintaining navigational safety.

DMC has secured concurrence from the U.S. Army Corps of Engineers and is currently awaiting final approval from the Florida Fish and Wildlife Conservation Commission, which is required for issuance of FDEP and USACE authorizations. Throughout the process, **DMC** has maintained close communication with the County to ensure full understanding of permitting challenges and schedule impacts. Additional project considerations included upland placement of dredged material, dewatering, off-site hauling, and required sediment testing for landfill disposal. **DMC** facilitated intergovernmental coordination between the County and City to utilize a municipal upland site as a temporary material placement area. The project also required coordination with the Florida East Coast Railway to obtain approval for dredging beneath the trestle, including evaluation of structural stability concerns. Due to the extensive regulatory, environmental, and stakeholder coordination required, the permitting process has extended over approximately one year. Through proactive agency engagement and technical leadership, **DMC** has made substantial progress toward securing all required approvals and advancing the project toward construction.

Section 5: Staff Credential and Project Team





Section 5: Staff Credentials and Project Team

DMC's project management and key staffing approach is centered on accountability and responsiveness through proactive communication. Each project assigned under the City's continuing-services contract will be led by an experienced team empowered to make timely decisions and maintain direct coordination with City staff. The City will have direct access to key decision-makers, eliminating the need for requests to be relayed through multiple levels of authorization. As previously mentioned, we always have two key staff members that would be involved on any project assignment so that we have someone to immediately respond to any query. As such, the following key staff will be responsible for delivery of project work.

Key Team Roles and Responsibilities:

Client Manager – Shailesh K. Patel, M.Sc., CPSSc.:

As President of DMC and Client Manager, Mr. Shailesh K. Patel brings more than 30 years of civil/parks and marine/coastal engineering expertise to the team. He serves as the City's primary point of contact, providing strategic oversight, quality assurance, and executive-level guidance throughout every phase of the project. Mr. Patel ensures that project goals, budgets, and schedules remain fully aligned with the City's priorities, fostering open and consistent communication between **DMC's** technical team and City staff. With a distinguished background in municipal parks, marine infrastructure, dredging projects, stormwater management, and coastal resilience across Florida, Mr. Patel combines technical insight with practical managerial experience to anticipate challenges early and deliver responsive, high-quality solutions that support the City's long-term vision.

Project Manager/Senior Principal Civil Engineer – Mehul Patel, P.E.

Mr. Mehul Patel serves as both Project Manager and Senior Principal Civil/Stormwater Engineer, leading technical execution and coordinating all aspects of project delivery. He manages design development, directs permitting efforts, and ensures that engineering solutions meet all regulatory and client standards. As Project Manager, he tracks schedules, facilitates team coordination, and provides regular progress updates to the City's project staff. Mr. Patel is responsible for resolving technical issues promptly and documenting follow-up actions to ensure efficient communication and timely project completion. Serves as Senior Principal Civil/Stormwater Engineer, leading the design of site development, stormwater, dredging, marine infrastructure, and upland park amenities, delivering resilient, site-specific solutions that address flooding, water quality, and park and waterfront infrastructure needs within the City. His expertise in integrating sustainable stormwater strategies with municipal infrastructure enables him to deliver designs that enhance resilience, protect property, and support the City's long-term infrastructure goals.

Senior Marine Structures Engineer – Vitaly Feygin, P.E.

Mr. Vitaly Feygin serves as Senior Marine Structural Engineer, providing technical leadership in the design, analysis, and assessment of coastal and waterfront infrastructure. He leads the engineering of resilient and sustainable infrastructure such as seawalls, bulkheads, docks, piers, pedestrian bridges, living shoreline stabilization systems, and other marine structures. He applies structural and geotechnical principles to ensure long-term performance under tidal, wave, and storm surge conditions. Mr. Feygin collaborates closely with **DMC's** civil and environmental teams to deliver resilient, sustainable, and code-compliant designs that enhance the City's infrastructure and protect against future shoreline or storm impacts.



Key Technical Staff

DMC has other support engineers, environmental staff, permitting specialists, construction managers and inspectors to provide support with focused expertise in projects related marine and coastal infrastructure. Each member of the **DMC** team is experienced with coordinating directly with municipal clients and regulatory agencies to ensure that technical progress, permitting milestones, and schedule updates are clearly communicated and met.

Subconsultants



Sliger & Associates, Inc. is a professional land surveying firm providing comprehensive surveying services to public and private sector clients throughout East Central Florida. The firm has supported governments, businesses, and communities across Central Florida for more than five decades with reliable, accurate, and professional surveying services.

Sliger & Associates brings over 300 years of combined professional experience and is recognized for its early adoption of GPS, robotic, laser, and digital data collection technologies. The firm is licensed and qualified to perform a full range of surveying services, including boundary, topographic, construction layout, hydrographic, right-of-way, as-built, and special purpose surveys, supporting municipal infrastructure, transportation, and development projects for the City of Deltona and surrounding communities.

Contact: Chris Williams, Senior Project Manager
Email: cwilliams@sligerassociates.com
Phone: 386-761-5358



Andreyev Engineering, Inc. (AEI) is a Florida-based engineering consulting firm specializing in geotechnical and hydrogeologic engineering, environmental consulting, and construction materials testing and inspection. Founded in 1993 and headquartered in Sanford, Florida, AEI serves public and private sector clients throughout the state, including projects within the City

of Deltona and the St. Johns River watershed.

As a subconsultant, AEI will provide geotechnical engineering, hydrogeologic evaluation, construction materials testing, inspection, and environmental support services in coordination with the Prime Consultant. Services include subsurface investigations, soil and rock sampling, groundwater monitoring, laboratory and field testing in accordance with AASHTO and ASTM standards, and special and threshold inspections.

AEI utilizes in-house and affiliated drilling equipment, including truck-, trailer-, barge-mounted, and portable rigs, allowing for efficient data collection across a wide range of site conditions to support Deltona's parks and marine infrastructure projects.

Contact: Rob Cornelius, P.E, Senior Geotechnical Engineer
Email: rcornelius@andreyevengineering.com
Phone: 352-241-0508



Organizational Chart



DMC Support Staff

Kulkit Gothi, M.Sc. – Structural Engineer Associate
Meetkumar Mori, M.Sc. – Civil Design Engineer/Inspection
Bryan Liebetrau, A.A – CAD Design Manager
Kristy Michaels, M.S. – Sr. Ecologist
Dhilan Patel, B.Sc. – Permit Support & Grant Administration
Jaye Patel, B.Sc. – Office Management & Compliance

Subconsultants

Andreyev Engineering, Inc.
Geotechnical Investigations & Materials Testing

Sliger & Associates, Inc.
Topographic, Hydrographic, Boundary, Sovereign Submerged Land Lease



Shailesh K. Patel, M.Sc. CPSSc. – Sr. Program Manager/President



Education

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
Experience/Years with firm:
36/23

Professional Affiliations

Florida Lake Management
Society
Nat'l Assoc. of Environmental
Professionals
Florida Marine Contractors
CEO Xchange, Volusia County
& SBDC
VCARD – Chairman 2016/17
Team Volusia Economic
Development IDRC Chair
2020/21

Registrations

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

Availability

45%

Background / Responsibilities

Shailesh Patel founded DMC in 2002 and serves as the President and Point of Contact for all project contractual matters. He will serve as the Key Senior Manager to lead the DMC program/project team. He has over 30 years of experience in the program planning, engineering and environmental consulting business and developing viable projects for private, municipal, and county entities. He has focused much of his nearly three decades on work related to the projects 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 coastal 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 and Investor's Relations Committee Chair at Team Volusia Economic Development. He has presented project technical information to City and County councils for many projects for better decision and policy making. 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.

Technical Expertise

- Program Management and Coordination, Public Consensus Building
- Grants Preparation, presentations, administration and reporting
- Evaluating the availability of upland areas to retain the dredged sediment
- Evaluating the impacts of dredging on abutting structures such as seawalls and road and railway bridges
- Design aspects of bulkheads, seawalls, rock revetments, wave breaks, slope protection, geotextiles
- Design aspects of ramps, piers, docks, boardwalks, marinas
- Environmental impacts on wetlands, listed plant and animal species

Project Experience

- City of Tavares Wooton Park Trail and Stormwater Improvements
- City of Tavares Aesop's Park Dog Park, Restroom and Pond Design
- City of Tavares Woodlea Sports Complex Master Planning
- City of Edgewater Whistlestop Park Expansion and Improvements
- City of Edgewater New Boat Ramp and Amenities, Ph.1
- Lake County Water Authority Hickory Point Park Boat Ramp Design
- City of Eustis Ferran Park Bulkhead Replacement
- City of Daytona Beach City Island Shoreline Enhancement
- Volusia County Turtlemound Road Roadside Repair & Stabilization
- Volusia County Spruce Creek Dredging Design
- City of Sebastian Main Street Park Boat Ramp Dredging
- City of Ormond Beach Cassen Park Floating Dock, Breakwater, Dredging Design
- City of Port Orange Causeway Boat Ramp & Parking Improvements
- City of Port Orange Riverwalk Park Improvements
- City of New Smyrna Beach AOB Site Improvements Rock Revetment
- City of Sebastian Main Street Park Boat Ramp Dredging
- St. Lucie County Taylor Creek Restoration Dredging & Shoreline Stabilization
- St. Lucie County North Causeway Island Park Boat Ramp & Parking Improvements

Mehul Patel, P.E. – Senior Civil & Stormwater Engineer



Education

**MS, Civil Engineering,
Florida Institute of
Technology, 2007**

**MS, Construction
Management, Florida
Institute of Technology,
2007**

**BS, Civil Engineering, Florida
Institute of Technology,
2005**

**Experience/Years with firm:
15/3**

Professional Affiliations

**American Public Works
Association, Florida, 2015**

Licenses & Certifications

**P.E. License # 75549, State
of Florida**

**Availability
35%**

Background / Responsibilities

Mr. Patel has 15 years of experience as an engineer working in Civil Engineering in Florida. 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. He has led projects related to planning, design, permitting, wastewater, stormwater management, solid waste, and civil site development. His current responsibilities include planning, project coordination, collection and evaluation of design data, coordinating with other utilities, preliminary and final design, stormwater modeling, preparation and review of construction drawings and specifications, and preparing cost estimates. He has proven very efficient when it comes to preparing and processing permits, assisting with bidding, construction, and project certification. He has vast experience in construction management and Best Management Practices. His diverse and extensive work in the Florida environments makes him well suited to manage very complex projects.

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
- Best Management Practices
- NPDES Compliance
- Bid Preparation and Construction Management

Project Experience

- City of Tavares Wooton Park Trail and Stormwater Improvements
- City of Holly Hill Riverside Park Bulkhead Replacement
- Lake County Water Authority Hickory Point Park Boat Ramp Design
- Volusia County Veterans Memorial Plaza Stormwater Design
- Volusia County Gemini Springs Pedestrian Bridge Replacements
- Volusia County B-19 Canal Box Culvert Replacement
- Volusia County Spruce Creek Dredging
- Volusia County Ed Stone Park Boat Ramp Assessment
- St. Lucie County Lakewood Park Stormwater Improvements Canal 4 Structure
- St. Lucie County Lakewood Park Stormwater Improvements P9, P11, P13 Culverts
- St. Lucie County White City Park Shoreline Stabilization
- St. Lucie County North Causeway Island Park Boat Ramp Improvements
- St. Lucie County Taylor Creek Restoration Dredging
- City of Edgewater New Boat Ramp and Amenities, Ph.1
- City of Port Orange Memorial Park Observation Dock
- City of Port Orange Causeway Parking Lot and Boat Ramp Improvement
- City of Daytona Beach City Island Shoreline Enhancement
- City of Daytona Beach Ocean Walk Stairs, Seawall, and Pavilion Repair
- City of Sebastian Main Street Boat Ramp Dredging
- City of New Smyrna Beach AOB Site Improvements Rock Revetment
- National Park Service Boca Chita Key Shoreline Stabilization
- National Park Service Elliott Key Harbor and Entrance Channel Dredging
- National Park Service Fort Pickens Boardwalk Replacement



Vitaly Feygin, P.E. – Senior Marine Structures Engineer



Education

**MS, Structural Engineering,
Kharkov Academy of
Transportation, Kharkov,
Ukraine**

**Doctorate Degree,
Structural Engineering,
Kharkov Academy of
Transportation, Kharkov,
Ukraine**

Professional Affiliations

**Florida Engineering Society
(FES)**

Registrations

**P.E. Registration, State of
Florida, # 65890**

**Experience/Years with firm:
40/3**

Availability

35%

Background / Responsibilities

Vitaly is a Principal Marine Structural and Geotechnical engineer with 40+ years' experience of working on multiple challenging projects around the world (US, Ukraine, Hong Kong, Germany, Trinidad and Tobago, Brazil, Australia) to bear for our clients. Mr. Feygin specializes in structural and geotechnical design of waterfront, port, seawalls and environmental structures, commercial, industrial, and large residential buildings. His recognized accomplishments include two US patents, eight technical publications in Professional Journals (SEA Structure, ASCE Practice Periodical on Structural Design and Construction and Global Journal of Research in Engineering), three ACI "Grand-prize" awards for concrete design and construction, an AAPA award for innovative design and multiple professional presentations to technical audiences around the Globe. As a professional engineer Mr. Feygin is involved in all types of structural design activities and forensic investigations. These activities include the design of piers and wharves, bulkheads, earth and water retaining structures., industrial, commercial and residential structures, foundations (both shallow and deep) and forensic structural investigation of construction defects, slope stability, storm water damages and water intrusion, and sinkhole/settlement related damages for waterfront, industrial, commercial and residential structures. Additionally, he offers a wealth of geotechnical experience which translates into creative foundation designs, and the realization of these approaches in real-world applications. Mr. Feygin also has a wealth of experience in remediation measures, including design, installation, and remediation evaluations.

Technical Expertise

- Structural Engineering Design and Forensic Investigations of Industrial, Commercial, and Residential and Waterfront Structures
- Geotechnical Engineering including Deep Foundations, Shallow Foundations, and Earth Retention Bulkheads
- Construction Materials including Structural Steel, Light Gauge Metal, CIP concrete and Precast Concrete
- Waterfront and Port Structures
- Waterfront Inspections
- Concrete and Steel Tanks and Pressure Vessels
- Remediation Designs
- Expert Testimony, Depositions and Peer Reviews

Project Experience

- Volusia County Veterans Memorial Park Plaza
- Volusia County B19 Canal Box Culvert Replacement
- Volusia County Divito Park Bulkhead Assessment and Design
- City of Daytona Beach Ocean Walk Stairs, Seawall and Pavilion Design
- City of New Smyrna Beach Brannon Center Pier Replacement
- City of New Smyrna Beach North Causeway AOB Site Boat Ramp Improvements
- City of New Smyrna Beach Police Boat House Design
- City of Holly Hill Riverside Park Bulkhead Replacement
- St. Lucie County White City Park Shoreline Stabilization
- City of Daytona Beach City Island Shoreline Enhancement Design
- National Park Service Boca Chita Shoreline Stabilization
- National Park Service Elliott Key Harbor and Entrance Channel Dredging
- National Park Service Fort Pickens Boardwalk Replacements



Alexis Sorrell, E.I., M.E. – Marine Structures Engineer



Education

**B.S., Civil Engineering,
University of Evansville,
Evansville Indiana**

**M.E., Coastal & Oceanic
Engineering,
University of Florida**

**Experience/Years with firm:
6/5**

Professional Affiliations

**COPRI University of Florida
Student Chapter**

**American Society of Civil
Engineers (ASCE)**

**Chi Epsilon Civil Engineering
Honors Society**

**Tau Delta Kappa
Engineering Honors Society**

**Availability
25%**

Background / Responsibilities

Alexis Sorrell has 6 years of experience in the field of Civil Engineering with an emphasis in coastal and marine structures. She is knowledgeable in structural design for marine and waterfronts parks, stormwater impacts, dredging, and shoreline stabilization projects. She is currently involved on a great number of projects pertaining to boat ramps, seawalls, docks, stormwater structures, dredging, marinas, shoreline stabilization, pedestrian walkways/pedestrian bridges and construction inspection and compliance monitoring. Mrs. Sorrell understands the value of commitment and initiative and she continuously provides well designed multifaceted projects. Alexis is a good leader and served as President of the University of Evansville American Society of Civil Engineers Student Chapter and was Secretary of the University of Evansville American Society of Civil Engineers Student Chapter. As integral part of DMC, Alexis has taken the lead on several coastal/marine and freshwater infrastructure and park redesign projects ensuring that all plan drawings and QA/QC protocols are followed with the utmost attention to detail and constructability. She has also assisted with grants management and cost estimation on projects that are vital to strategic funding and planning initiatives.

Technical Expertise

- Waterfront Structural Design
- Waterfront Park Design
- Preparations of Plans and Technical Specifications
- Technical Writing and Grants Preparation
- Coastal Construction Line Permitting
- Bidding Assistance and Construction Inspection
- Structural Assessments

Project Experience

- Volusia County Lemon Bluff Marine Park Improvements
- Volusia County High Bridge Boat Ramp and Accessory Dock Improvements
- Volusia County City Island Shoreline Stabilization
- Volusia County Lake Ashby Park Boardwalk Replacement
- Volusia County Manatee Island Day Docks Repair
- St. Lucie County Taylor Creek Restoration Dredging & Shoreline Stabilization
- St. Lucie County Fisherman's Boat Ramp and Bulkhead
- St. Lucie County North Causeway Island Park Boat Ramp Improvements
- St. Lucie County White City Park Shoreline Stabilization
- City of Edgewater New Boat Ramp and Amenities
- City of Edgewater Whistle Stop Park Improvements
- City of Edgewater George Kennedy Memorial Park Design
- City of New Smyrna Beach Rocco Park Pier Improvements
- City of New Smyrna Beach AOB Site Improvements Rock Revetment
- City of Daytona Beach Riverfront Park Seawall Replacement
- City of Daytona Beach City Island Shoreline Enhancement
- City of Daytona Beach Day Docks Design
- City of Port Orange Causeway Floating Docks Design
- City of Port Orange Causeway Parking and Boat Ramp Improvements
- City of Port Orange Memorial Park Observation Dock Rehabilitation



Kulkit Gothi, M.S. - Structural Engineer Associate



Education

**Master of Civil Engineering,
2024, Cleveland State
University**

**Bachelor of Civil
Engineering, 2019, Gujarat
Technological University**

**Experience/Years with firm:
3/2**

Availability

35%

Background / Responsibilities

As a Structural Engineer Associate at Dredging & Marine Consultants, Kulkitkumar contributes to the design and analysis of marine structures, including seawalls, piers, docks, and shoreline stabilization systems. He supports structural assessments and assists in performing calculations using engineering software to ensure structural integrity, long-term performance, and adherence to applicable regulations, standards, and protocols.

Kulkitkumar also prepares construction drawings using CAD tools and helps develop design packages tailored to site-specific conditions and regulatory requirements. Working closely with senior engineers, he contributes to technical documentation and design coordination efforts across a variety of coastal and waterfront projects.

Technical Expertise

- Structural Analysis and Assessments
- Marine Structures Design
- Foundation Design
- Construction Management and Inspection
- Technical Documentation Writing
- Proficiency in AutoCAD, MicroStation, HEC-RAS, HEC-HMS, Visual Slope, All Pile

Project Experience

- City of New Smyrna Beach Brannon Center Pier Replacement
- City of New Smyrna Beach Police Boat House Design
- City of Daytona Beach Ocean Walk Stairs, Seawall and Pavilion Design
- City of Daytona Beach City Island Shoreline Enhancement
- City of Daytona Beach 2323 S. Atlantic Property Seawall Design (Private)
- City of Port Orange Causeway Parking and Boat Ramp Improvements
- City of Edgewater New Boat Ramp and Amenities
- City of Edgewater Meynard Park Pier Assessment
- City of Sebastian Main Street Park Boat Ramp Dredging Design
- Volusia County Shell Harbor Park Bulkhead Repair
- Volusia County Shell Harbor Dredging Design
- Volusia County Spruce Creek Dredging Design
- City of Edgewater Menard-May Park Pier Assessment
- St. Lucie County Taylor Creek Dredged Material Management Area Assessment
- National Park Service Fort Pickens Boardwalk Replacements

Joel S. Steward, M.Sc. - Senior Environmental Biologist



Education

B.S. Biology, College of William & Mary

M.S. Bio-Environmental Oceanography, Florida Institute of Technology

Experience/Years with firm: 41/13

Professional Affiliations

Marine Resources Council: Outstanding Service Award toward coastal restoration, 1988
NOAA: Coastal Zone Management Excellence Award nominee, 1992
SJRWMD: Employee of the Year nominee, 2008

Registrations

- American Society of Limnology & Oceanography
- Coastal and Estuarine Research Federation
- Southeastern Estuarine Research Society
- Florida's Marine Numeric Nutrient Criteria Committee
- Co-Chair of IRL NEP Technical Advisory Committee

Availability

35%

Background / Responsibilities

Joel Steward has over 40 years of experience in water quality and estuarine ecology with an emphasis on eutrophication science and water quality criteria related to seagrass and shellfish protection. Mr. Steward specializes in estuarine environmental planning, including remediation strategies that require involvement of multiple agencies or partnerships; developing and overseeing diagnostic and other research projects; and managing environmental watershed projects. He managed several state-mandated and regional planning initiatives such as the Indian River Lagoon (IRL) Reconnaissance Report (NOAA and FDER/CZM), Indian River Lagoon Surface Water Improvement and Management (SWIM) Plan, Turkey Creek and Sebastian River watershed initiatives, the C-1 Canal Re-diversion Project, an IRL muck-sediment dredging prioritization plan; and he assisted in the development of other plans such as the IRL restoration plan for impounded wetlands, the National Estuary Program plan for the IRL system and the SWIM plan for the Northern Coastal Basins (Tolomato, Matanzas, and Halifax R. estuaries). Mr. Steward was the lead scientist on many applied research projects that have led to the establishment of major resource management targets for water quality (and desirable trophic state) and the improvement or protection of shellfish, seagrass, and coastal wetland habitats. Examples of these research projects include the determination of restored seagrass depth limits and related light targets, salinity targets and related freshwater discharge criteria, nutrient loading limits for the IRL and NCB systems (the IRL loading limits were adopted by FDEP as TMDLs), and proposed numeric nutrient criteria for the IRL and NCB systems. Mr. Steward also directs the water quality and habitat monitoring program for the IRL system that focuses on assessing seagrass coverages and their water quality requirements, and the state of coastal wetland resources. He has also been the lead technical manager for watershed-scale projects including the Turkey Creek muck dredging project and the C-1 Re-diversion Project, which were both originally proposed and initiated by Mr. Steward. Most recently, he worked on a team of experts evaluating the algal blooms that caused faunal and floral resources impacts within the Indian River Lagoon during 2011 through 2013. This past year, he founded a non-profit environment research and education non-profit, The Estuaries Foundation, by which he was successful in procuring research and monitoring funding for oyster reef assessment work and for creating a Consortium of agency and academic researchers to pursue more research on oyster health and ecology, water quality, living shorelines, and other estuarine resource projects.

St. Johns River Water Management District (SJRWMD) - Technical Program Manager, Coastal Basins, Division of Environmental Sciences. Coastal Basins supervisor, lead scientist and programs manager.

(Positions held from 1980 – 2022):

1980 – 83	Laboratory Chemist. Environmental water quality analyses (trace metals, TSS, TDS, alkalinity, chlorophylls, etc.)
1984 – 86	Environmental Scientist II
1987	Environment Scientist III
1987 – 2014	Technical Program Manager
2015 – 2022	DMC Sr. Ecologist; Founder and Executive Officer for The Estuaries Foundation



Kristy Michaels, B.A. – Senior Project Ecologist



Education

B.A., Coastal Environmental Science,
Flagler College

Certificate of Completion
Florida Coastal, Upland Systems, and Shoreline Restoration
UF IFAS
Master Naturalist Program

Experience/Years with firm:
8/7

Professional Affiliations

Volusia County Association for Responsible Development (VCARD)

Next Generation of Responsible Development (NXRD) – Founding Member

Florida Master Naturalist Program
Volusia County – Vice President

Availability
45%

Background / Responsibilities

Kristy has 7 years of experience in Florida’s environmental science and has intimate knowledge of Florida’s coastal processes and ecosystems. Kristy serves as DMC’s project Ecologist and ensures environmental and permit compliance and the application of best management practices on all projects. In addition to her primary studies, Kristy also has extensive knowledge in anthropology and cultural studies. This enables her to better facilitate project design needs and public engagement in project planning and design. She has spearheaded research with invasive species and has conducted planning studies on shoreline stabilization, restoration and habitat creation. Kristy’s managerial background combined with her 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 providing acceptable environmental solutions for cost-effective designs. Kristy’s ecological expertise and team-oriented work ethic makes her an integral part of our project team and enables beneficial design solutions.

Technical Expertise

- Experimental Design and Execution
- Technical Writing & Grant Writing
- Project Management, & Public Engagement
- Environmental Assessment, & Listed Species Surveys
- Wetland Delineation, Mitigation Planning
- Water Quality Assessment
- Shoreline and Habitat Restoration
- Sediment and Water Sampling and Testing
- Data Analysis and Interpretation
- State & Federal Environmental Resource Permitting & Compliance
- FWC Gopher Tortoise Agent & FL Master Naturalist

Publications

- Changes in Sediment Characteristics upon Oyster Reef Restoration, NE Florida, USA. J Coast Zone Management 20: 442.

Project Experience

- Volusia County Lemon Bluff Marine Park Improvements
- Volusia County Shell Harbor Marine Park Improvements
- Volusia County City Island Seawall Design
- Volusia County Spruce Creek Dredging Feasibility
- St. Lucie County Taylor Creek Restoration Dredging
- St. Lucie County Old Fort Park Oyster Reef Design
- St. Lucie County Fisherman’s Wharf Boat Ramp and Bulkhead Design
- St. Lucie County North Causeway Island Park Improvements
- City of Daytona Beach Riverfront Park Day Dockage & Riverfront Park Seawall
- City of Daytona Beach Ocean Walk Seawall and Pavilion Repair
- City of Port Orange Riverwalk Park Design
- City of Port Orange Causeway Park Dock Improvements
- City of Port Orange Day Docks
- City of Ormond Beach Cassen Park Wave Break, Boat Ramp, Docks, & Piers
- Town of Marineland Marina Improvements
- City of New Smyrna Beach Public Mooring Field
- City of New Smyrna Beach Rocco Park Pier Improvements



Natalie Tejada, A.S. – Project and Inspection Coordinator



Education

**A.S., Architectural & Building Technology,
Daytona State**

**Experience/Years with firm:
7/6**

Availability

40%

Background / Responsibilities

With a degree in Architectural Building and Technology, Natalie supports DMC's project delivery through project scheduling and documentation, client coordination, and CAD support. She assists with the preparation and organization of project documentation, ensuring tasks, milestones, and deliverables are completed in accordance with established schedules. Natalie provides procurement and bidding support, assists with budget tracking, and supports funding compliance and reporting, helping ensure progress reports and supporting documentation meet agency and grant requirements. She also provides construction management support, including coordination with contractors and agencies, tracking submittals, and supporting project closeout activities. Through her attention to detail and organizational skills, Natalie supports DMC's internal QA/QC processes and helps ensure clients receive timely, accurate, and well-documented project deliverables.

Technical Expertise

- Plan Set Generation and QA/QC
- AutoCAD / GIS Mapping
- Project Management
- Public Engagement
- Sediment and Water Sampling and Testing
- State & Federal Environmental Resource Permitting & Compliance
- Bid Document Review & Preparation
- Scheduling & Deliverables Tracking
- Notes & Technical Specifications
- Site Evaluation & Photo documentation
- Ensure Consistency in Communication
- Meeting Agenda & Logging of Key Communication
- Plan Set QA/QC
- Construction Inspection and Management

Project Experience

- Volusia County Hurricane Ian/Nicole Dune Walkover Replacements
- Volusia County Boylston Ave. Beach Approach Improvements
- Volusia County Veterans Memorial Park Plaza Design
- Volusia County Lake Ashby Park Timber Boardwalk Repair
- Volusia County City Island Seawall Design & Engineering
- Volusia County Highbridge Boat Ramp Improvements and Accessory Docks
- Volusia County South County Pedestrian Beach Access Improvements
- City of Daytona Beach Ocean Walk Stairs, Seawall, and Pavilion Repair
- St. Lucie County Taylor Creek Restoration Dredging
- St. Lucie County Lakewood Park Stormwater Improvements
- St. Lucie County Fisherman's Wharf Boat Ramp and Bulkhead Design
- St. Lucie County North Causeway Island Park Improvements
- City of New Smyrna Beach Rocco Park Pier Improvements
- City of New Smyrna North Causeway AOB Site Boat Ramp Improvements
- City of Port Orange Riverfront Park Shoreline Stabilization & Bulkhead
- City of Port Orange Memorial Park Pier Design
- City of Tavares Wooton Park Trail and Stormwater Improvements
- Lake County Water Authority Hickory Point Park Boat Ramp Design
- City of Edgewater Whistle Stop Park Improvements
- City of Edgewater George Kennedy Memorial Park Design

Bryan Liebetrau, A.S. – CAD Draftsman



Education

**A.S., Engineering
Technology, Daytona State**

**Experience/Years with firm:
5/4**

Availability

45%

Background / Responsibilities

Bryan Liebetrau has exceptional talent in visualizing and drawing in 3-D and has joined **DMC** to further enhance its AutoCAD deliverables. He is able to generate 3-D renderings that enable our engineers conceptualize intricate design features and identify conflicts, especially subsurface infrastructure. In addition, he generates all AutoCAD drawings and assists our talented drafting team in generating timely and well-planned project plans. He also supports our senior and field professionals with lending a hand in field work, sampling and data collection. He manages and continues to assist with the drafting and development of project plan sets and ensuring high standard of quality

Technical Expertise

- Plan Set Generation
- AutoCAD / GIS Mapping
- Project Management, & Public Engagement
- Sediment and Water Sampling and Testing
- Data Analysis and Interpretation
- State & Federal Environmental Resource Permitting & Compliance
- Bid Document Review & Preparation
- Notes & Technical Specifications
- Site Evaluation & Photo documentation

Project Experience

- Volusia County Hurricane Ian/Nicole Dune Walkover Replacements
- Volusia County Inlet Harbor Road Walkover Replacement
- Volusia County B-19 Canal Box Culvert Replacement
- Volusia County Sunglow Pier Seawall Repair
- Volusia County Spruce Creek Dredging Design
- Volusia County Lake Ashby Boardwalk Replacement
- Volusia County Boylston Ave. Beach Approach Improvements
- Volusia County City Island Seawall Design
- Volusia County Gemini Springs Pedestrian Bridges Replacements
- St. Lucie County Lakewood Park Stormwater Improvements
- St. Lucie County Fisherman's Wharf Boat Ramp and Bulkhead Design
- St. Lucie County North Causeway Island Park Improvements
- St. Lucie County White City Park Shoreline Stabilization
- City of New Smyrna Beach Rocco Park Pier Improvements
- City of New Smyrna Beach Brannon Center Pier Replacement
- City of Daytona Beach Riverfront Park Shoreline Stabilization & Bulkhead
- City of Daytona Beach City Island Shoreline Enhancement, Ph.1
- City of Daytona Beach Ocean Walk Pavilion and Stairs Repair
- Marion County Ray Wayside Park Boat Ramp Improvements
- City of Sebastain Main Street Park Boat Ramp Dredging
- National Park Service Boca Chita Key Shoreline Stabilization
- National Park Service Elliott Key Harbor Dredging Design
- National Park Service Feller's Dock and Pier Replacement
- National Park Service Fort Pickens Boardwalk Replacement
- City of Port Orange Memorial Park Observation Dock
- City of Port Orange Causeway Parking and Boat Ramp Improvement
- City of Tavares Wooton Park Trail and Stormwater Improvements
- Lake County Water Authority Hickory Point Park Boat Ramp Design
- City of Eustis Ferren Park Bulkhead Replacement



Vijaya P. Sagiri, M.S., Construction Management & Design Associate



Background / Responsibilities

As a Construction Management and Design Associate, Vijay brings specialized expertise in project design, permitting, and administration, seamlessly guiding projects from concept to completion. With a strong background in construction engineering, environmental permitting, and bid coordination, he ensures each phase aligns with regulatory requirements and client expectations. His academic foundation, a master's in civil engineering from Florida Institute of Technology complements his practical experience, allowing him to deliver high-quality, efficient, and innovative construction solutions.

Vijay's comprehensive understanding of permitting processes and engineering standards enhances project efficiency, while his proactive communication and coordination skills support successful stakeholder engagement. His dedication to excellence and commitment to compliance and construction best practices make him a key contributor to successful and timely project delivery.

Education

MS Construction Management & Technology, Florida Institute of Technology, Florida, 2024

Bachelor of Technology: Civil Engineering, Chirala College of Engineering & Technology, India

Experience/Years with firm: 3/2

Technical Expertise

- Construction Management & Administration
- Project Design & Permitting
- Environmental Compliance & Sustainability
- Regulatory & Stakeholder Communication
- Bid Processes & Contract Documentation
- Site Supervision & Quality Assurance
- Project Estimation, Budgeting & Planning
- Risk Assessment & Safety Compliance

Availability

45%

Project Experience

- City of Port Orange Causeway Parking Lot & Boat Ramp Improvement
- City of Port Orange Memorial Park Observation Pier Rehabilitation
- City of Port Orange at Riverwalk Park
- Daytona Beach Shores Sand Dollar Condominium Seawall Design
- Daytona Beach Shores Tuscan Villas Seawall Design
- City of Daytona Beach City Island Shoreline Enhancement
- City of Daytona Beach Oceanwalk Stairs and Seawall Repair
- Volusia County Spruce Creek Dredging
- Volusia County B-19 Canal Box Culvert Replacement
- Volusia County Hurricane Ian/Nicole Dune Walkover Replacements
- Volusia County Lake Ashby Timber Boardwalk Replacement
- City of New Smyrna Beach Brannon Center Pier Replacement
- City of New Smyrna Beach 27th Ave. Beach Access and Seawall Repair
- City of New Smyrna Beach Police Boat House Design
- Lake County Water Authority Hickory Point Boat Ramp Improvements
- City of Tavares Wootton Park Trail and Stormwater Improvements
- St. Lucie County North Causeway Island Park Improvements
- St. Lucie County White City Park Shoreline Stabilization



Meetkumar D. Mori, Civil Design Engineer



Education

**M.S., Construction Management,
Florida Institute of Technology,
2025**

Experience/Years with firm: 2/1

Availability

50%

Background / Responsibilities

As a Civil Design Engineer at Dredging & Marine Consultants, he plays an integral role in the design and development of coastal and waterfront infrastructure projects. After successfully completing his internship, he transitioned into a full-time position and now contributes to a variety of engineering projects. His core responsibilities include utilizing CAD software and advanced 3D rendering tools to produce conceptual designs, detailed construction drawings, and visual presentations that effectively communicate project intent to clients and stakeholders. In addition, he focuses on enhancing and streamlining design processes to improve project efficiency and quality. He collaborates closely with senior engineers, project managers to ensure all designs adhere to project specifications, regulatory standards, and client expectations.

Beyond design work, Meetkumar is actively involved in the field aspects of project delivery. He is also committed to continuous learning, participating in ongoing technical training and cross-disciplinary collaboration to broaden his expertise. Through his proactive attitude, adaptability, and strong teamwork skills, he consistently contributes to the success of DMC's projects and the overall growth of the firm.

Technical Expertise

- Project Design & Planning
- Conceptual Designing
- 3D Rendering
- Construction Management & Administration
- Site Supervision & Quality Assurance
- Risk Assessment & Safety Compliance

Project Experience

- City of Edgewater Boat Ramp & Amenities Design
- City of Edgewater Marina at Jones Fish Camp Design
- City of Sebastian Main Street Park Boat Ramp Dredging
- Volusia County Inlet Harbor Road Beach Access Improvements
- City of Daytona Beach Havey Ave. Beach Access Conceptual
- City of New Smyrna Brannon Center Pier Replacement
- City of New Smyrna Beach North Causeway AOB Site Ph.2 Rock Revetment
- City of New Smyrna Beach Police Boat House Design
- City of Port Orange Memorial Park Observation Dock Replacement
- City of Port Orange Causeway and Parking Lot Design
- National Park Service Fort Pickens Boardwalk Replacement



Raymond Jones, P.E., Vice President
Andreyev Engineering, Inc.
Senior Geotechnical Engineer

BUSINESS RESIDENCE: 4055 St. Johns Parkway Sanford, Florida

EDUCATION: Bachelor of Science, Civil Engineering
Florida State University, 1996

REGISTRATIONS: Professional Engineer, Florida Registration #58079

SOCIETIES: American Society of Civil Engineers-Member

YEARS OF EXPERIENCE: 27

SUMMARY OF CAPABILITIES

- | | |
|--------------------------------|--|
| Shallow Foundation Engineering | Hydrogeological Studies |
| Deep Foundation Engineering | Groundwater Modeling |
| Soil Mechanics | Consumptive Use Permitting |
| Roadway and Bridge Studies | Quality Control-Quality Assurance Program Implementation |
| Sinkhole Investigations | Pavement Design |
| Slope Stability Analysis | Well Construction |

Mr. Jones is currently a Vice President of Andreyev Engineering Inc., where his duties include overall office, project, and staff management, client development, client relations and all aspects of project engineering. Mr. Jones has successfully managed numerous geotechnical and hydrogeologic studies throughout the state of Florida in the areas of groundwater analysis, water supply planning and design, consumptive use permitting, materials testing and geotechnical engineering.

Typical hydrogeologic projects include water balance analyses for spring flows, wetland water levels, lake and river levels, groundwater flow modeling of regional water supply systems, lake-wetland interaction systems, stormwater capture and reuse, horizontal wells, and numerous other surface water and groundwater interaction systems.

Typical geotechnical projects include a wide variety of residential, commercial, industrial, roadway, landfill and mining projects in both the public and private sectors. Ray has worked on low to high rise structures involving a variety of foundation types, wastewater and water treatment plants, large tower and tank structures, bridges, large-scale developments, pipelines, multi-lane roads using various pavement section materials, landfills, and lined and un-lined ponds. Typical sinkhole projects include evaluation of residential, commercial, and municipal sinkhole claims in accordance with State requirements, using conventional and geophysical tools including GPR, ERI, and Seismic methods to evaluate subsurface conditions, evaluation of structural collapses associated with sinkhole activity and providing recommendations for repairs of structures affected by sinkhole activity.



Robert B. Cornelius, P.E.
Andreyev Engineering, Inc.
Geotechnical Engineer

BUSINESS RESIDENCE: 1170 W. Minneola Avenue
Clermont, Florida 34711

EDUCATION: Bachelor of Science, Civil Engineering
University of Central Florida, Orlando, Florida; 2004

REGISTRATIONS: Professional Engineer, Florida Registration #69864

YEARS OF EXPERIENCE: 21

SUMMARY OF CAPABILITIES:

Sinkhole Investigations
Deep Foundation Engineering
Soil Mechanics
Shallow Foundation Engineering

Quality Control-Quality Assurance
Engineered Materials Testing and Inspection
Geotechnical Instrumentation

Mr. Cornelius has more than 21 years of experience providing environmental engineering, geotechnical engineering, materials testing and consulting services. These services include planning/ coordinating subsurface exploration and laboratory testing programs, geotechnical engineering analyses and providing recommendations relating to the design and construction of roadways, structures and earthwork projects.

JOSEPH E ZAPERT, PLS #4046

Sliger & Associates, Inc
3921 S Nova Road Port Orange, FL 32127
jzapert@sligerassociates.com | 386.761.5385

EXPERIENCE

Sliger & Associates, Inc (S&A)

1974 - current | President | Professional Land Surveyor, State of Florida

- Joe's tenure at S&A is over fifty years strong. He has worked in every capacity of land surveying, mapping and business operations at our firm. In 2006 Joe was named President of Sliger and Associates, Inc.
- Oversees every aspect of Land Surveying & Mapping. Joe consults on our most difficult projects and is an advisor to all of our licensed surveyors and project managers. He is an integral part of pricing / bidding our largest jobs.
- As Senior Surveyor for two decades Joe has led every team in our firm including Land Development, Construction, Home Building & Special Purpose Surveys. He has managed projects for both the private sector & municipalities. He has worked one on one with our most respected clients and is widely considered one of the most experienced and successful surveyors in the state of Florida.

EDUCATION

1966 - Daytona Beach Junior College – general studies

PREVIOUS PROJECTS / CLIENTS

- | | | |
|--|-----------------------------|------------------------|
| ▪ Nascar – One Daytona | Daytona Beach Int'l Airport | Daytona State College |
| ▪ Daytona Int'l Speedway | Port Orange Pavilion | ICI Homes |
| ▪ Embry Riddle Aeronautical University | Halifax Hospital | Florida Power & Light |
| ▪ Volusia County Schoolboard | ICI Development | Zev Cohen & Associates |

JEFFREY S. HATTENDORF, PSM #6193

Sliger & Associates, Inc
3921 S Nova Road Port Orange, FL 32127
jhattendorf@sligerassociates.com | 386.761.5385

EXPERIENCE

Sliger & Associates, Inc (S&A)

2023 - current | Senior Surveyor | Professional Surveyor & Mapper, State of Florida

- Jeff has over forty years of land surveying experience, thirty of which were spent surveying in Brevard County, Florida. He spent three years as the Alachua County Surveyor and has spent the remainder of his career surveying throughout Seminole and Volusia County.
- Jeff is a Senior Surveyor at S&A, Jeff is the signing surveyor for our Construction Management team. Jeff has quickly become a leader within our firm and is engaged in municipality contracts, subdivision plats, special purpose surveys and services our most valued clients. He has proven to be a team player and has contributed in all aspects of our business.

2017 – 2022 Surveyor of Record for Perry Surveying, Inc

2014 – 2017 Alachua County Florida Surveyor

EDUCATION

1972-1980 United States Marine Corps

1976 – Vocational Drafting Certificate

PREVIOUS PROJECTS / CLIENTS

- | | | |
|---|-----------------------------|------------------|
| ▪ State Shellfish Leases - Brevard County | Alachua County Plat Review | Homes Bring Hope |
| ▪ Rialto Hilton Offices - Melbourne | Kennedy Space Center | ICI Homes |
| ▪ Oceanside Village, PUD - Indian Harbour Beach | Mosaic Subdivision | Rose Isle Plat |
| ▪ Aquarina Condominiums – S Melbourne Beach | Venetian Bay Subdivision | Johnson Group |
| ▪ Daytona Beach International Airport(DBIA) | Volusia County School Board | Volusia County |

CHRIS WILLIAMS, SENIOR PM

Sliger & Associates, Inc
3921 S Nova Road Port Orange, FL 32127
Cwilliams@sligerassociates.com | 386.761.5385

EXPERIENCE

Sliger & Associates, Inc (S&A)

2024 - current | Senior Project Manager | Land Development / Special Purpose Surveys

- Chris is our most Senior Project Manager, capable of leading any type of survey our company offers and working in tandem with our most highly skilled land surveyors. He is responsible for scheduling, project management, budget reporting and all client contact.
- Chris has taken over all job costing, bidding, RFPs, RFQs and proposals from our company President.
- Having grown up with a father that was a Professional Licensed Surveyor and worked decades in the family surveying business, Chris came to S&A with a lifelong resume of land surveying. He spent his career as a professional licensed surveyor in Alabama and he relocated to Florida in 2021.

McCrorry & Williams Inc

BES Engineering LLC | Land Surveyor

PROFESSIONAL REGISTRATIONS / CERTIFICATIONS

PLS # 23663 – State of Alabama | 15 Continuing Educational Units per year | Certified OSHA Training

PREVIOUS PROJECTS / CLIENTS

- | | | |
|-------------------------------|-----------------------------|-----------------------|
| ▪ Daytona Beach Int'l Airport | Mobile County School Board | Alabama Power |
| ▪ FEMA Flood Studies | Progress Energy | FDOT, ALDOT |
| ▪ Volusia County, FL | One Daytona | Zev Cohen Engineers |
| ▪ ICI Construction | Mobile County Municipality. | NASCAR Enterprises |
| ▪ Mobile County Road Programs | City of Daytona Beach, FL | Daytona State College |

Section 6: References





City of Edgewater New Boat Ramp and Amenities City of Edgewater, Florida

Client Contact

Ms. Sandy Camp
 Grants Administrator
 1108 S. Ridgewood Ave.,
 Edgewater, FL 32132
 Tel:(386)410-3579 Ext.7203
 Email:scamp@cityofedgewater.com

Similar Services Related to this RFQ

- ❖ Marine Structures Engineering & Design
- ❖ Conceptual Site Plan Development
- ❖ Boat Ramp Design, Pavilion Structure, Kayak Launch Conceptual, Police Boat House, Boardwalk
- ❖ Site Grading & Layout, Stormwater Design, Pollutant, Loading Analysis
- ❖ Geotechnical Investigation
- ❖ Environmental Resource Survey
- ❖ Permitting (FDEP, USACE)
- ❖ Grant Assistance (FIND)

Project Status & Costs

Project Start: 2025
 Project End: In progress
 Engineering Fees: \$468,530
 Construction Cost: TBD

Key Team Members

- Shailesh Patel, M.Sc., CPPSc. – Project Manager
- Mehul Patel – Sr. Civil Engineer
- Vitaly Feygin – Sr. Marine Structures Engineer
- Alexis Sorrell, E.I – Coastal Engineer
- Meet Mori, M.S. – Civil Design Engineer

Dredging & Marine Consultants, LLC (DMC) as Prime consultant was tasked with assisting the City of Edgewater with the engineering design and permitting of a new public boat ramp facility at a site acquired by the City. The design is to include the following features:

- Up to five (5) boat launches
- Kayak Launch
- Pavilions, other shade structures
- Dredging and sediment management
- Wave-break along shoal in the waterway
- A trailhead
- Additional utility (water, sewer and electrical) connections
- City referred standardized fixture such as light posts
- Roadway and Decelerating options
- Trail (approximately 8 to 10ft wide), pedestrian wood bridge, and overlooks around existing pond
- Restroom at boat launch
- Children’s playground
- Entry from neighboring properties with Cart use
- Boat preparation and wash area
- Construction Launch area at water’s edge
- Flock camera system
- A restaurant location, but no architectural design
- Restaurant associated parking and fishing pier

DMC is currently in the design phase of this project. Additionally, DMC is assisting the City with grant assistance to secure funding from the Florida Inland Navigation District. No change orders have been issued on this project.





Wooton Park Trail and Stormwater Improvements

City of Tavares, Florida

Client Contact

Mr. Bob Tweedie
Economic Development Director
City of Tavares
201 E. Main St. PO Box 1068
Tavares, FL 32778
Tel: (352) 742-6402
E-Mail: btweedie@tavares.org

Key Elements

- ❖ Site Review and Conceptual Plan
- ❖ Topographic & Boundary Survey, Geotechnical Investigation Coordination
- ❖ Design of Stormwater Management System
- ❖ Permitting (FDEP, USACOE, SJRWMD)
- ❖ Preparation of Construction Plans, Technical Specifications, Bidding Documents

Project Status & Costs

Project Start: 2022
Project End: 2024 (Engineering & Design)
Engineering Fees: \$74,960
Construction Cost: \$800,000

Key Team Members

- Shailesh Patel, M.Sc., CPPSc. – Project Manager
- Mehul Patel – Sr. Civil Engineer
- Vitaly Feygin – Sr. Marine Structures Engineer
- Alexis Sorrell, E.I – Coastal Engineer
- Natalie Tejada – Construction Manager

DMC prepared a conceptual and final design for a safer trailway through Wooton Park and the seaplane ramp area which included, among other features, removal of sections of the existing trailway, timber boardwalk structures to divert pedestrian traffic northward from its current path, a new decorative concrete trailway section adjacent to the existing Florida Central Railroad track and to the west of the seaplane base, fencing and access gates to limit access to the seaplane parking area. For this project, DMC provided complete stormwater and infrastructure plans and technical specifications to incorporate the City’s preferred layout for the trailway. With the selected layout, DMC designed improvements to the existing stormwater system in order to accommodate the new trailway layout. This project included engineering, permitting, and construction management services. This project is proceeding to construction.





Hickory Point Recreational Park Boat Ramp Improvements Lake County Water Authority, FL

Client Contact

Mr. Charles Groves
Recreation Coordinator
27401 State Road 19, Tavares, FL
32778
Tel: (352)815-7067
Email:
Charles.groves@lakecountyfl.gov

Similar Services Related to this RFQ

- ❖ Design of Boat Ramp and Accessory Docks
- ❖ Permitting (SJWMD, USACOE)
- ❖ Preparation of Construction Plans
- ❖ ADA Compliance
- ❖ Bidding & CEI services
- ❖ Cost Estimation & Bid Prep
- ❖ Environmental Assessment
- ❖ Grant Coordination & Assistance (FBIP)

Project Status & Costs

Project Start: 2021
Project End: 2025
Engineering Fees: \$67,500
Construction Cost: \$ 1.9 million

Key Team Members

- Shailesh Patel, M.Sc., CPPSc.
– Project Manager
- Mehul Patel – Sr. Civil Engineer
- Vitaly Feygin – Sr. Marine Structures Engineer
- Alexis Sorrell, E.I – Coastal Engineer
- Kristy Michaels, M.S – Sr. Ecologist
- Natalie Tejada – Construction Manager

Dredging and Marine Consultants, LLC (DMC) completed the design and permitting for the repair to the park’s eight boat ramps (12 lanes) and associated accessory docks. The revised boat ramp and docks were configured to meet ADA compliance and safe boater access. The ramp slopes were reconfigured for ease of use and function based on lake fluctuations. The impacts of power-loading were considered to eliminate scour at the base of the ramp. DMC completed bidding assistance and construction management and inspection services for the successful construction of this project.





Port Orange Memorial Park Observation Pier City of Port Orange, FL

Client Contact

Ms. Susan Lovallo
Parks & Recreation Director
1000 City Center Cir., Port Orange,
FL 32129
Tel:(386)506-5801
Email:
Slovallo@port-orange.org

Dredging and Marine Consultants, LLC (DMC) provided the design, engineering, permitting, and bidding assistance for the replacement of two observation piers at Port Orange Memorial Park, consisting of one approximately 380-linear-foot pier and one approximately 370-linear-foot pier. The project included the design of ADA-compliant pier access, improved sidewalk entrance and exit connections, and the incorporation of upgraded, durable materials to enhance longevity and public safety in a coastal environment. The improvements were designed to improve accessibility and overall user experience while meeting current regulatory and ADA requirements.

Similar Services Related to this RFQ

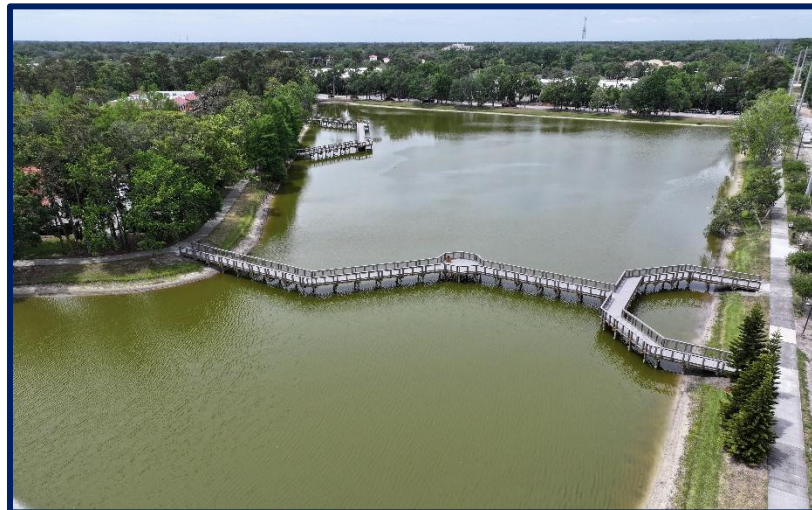
- ❖ Site Review
- ❖ Pier System
- ❖ Permitting (FDEP, USACOE)
- ❖ Preparation of Construction Plans
- ❖ ADA Compliance
- ❖ Grant Assistance
- ❖ Bidding & CEI services
- ❖ Cost Estimation
- ❖ Environmental Assessment

Project Status & Costs

Project Start: 2023
Project End: 2024
Engineering Fees: \$55,080
Construction Cost: \$884,997

Key Team Members

Shailesh Patel, M.Sc., CPPSc. –
Project Manager
Mehul Patel – Sr. Civil Engineer
Vitaly Feygin – Sr. Marine
Structures Engineer
Alexis Sorrell, E.I – Coastal
Engineer
Meet Mori, M.S. – Civil Design
Engineer





Boca Chita Key Shoreline Stabilization Biscayne National Park, FL

Client Contact

Ms. Jessica London
 Director of Operations
 1819 Peachtree Rd. NE Suite 102
 Atlanta, GA 30309
 Tel: (404) 633-4264 ext. 107
 Email:
 Jessica@houserwalker.com

Dredging & Marine Consultants, LLC (DMC) was tasked to develop three design options for armoring of approximately 350 linear feet of shoreline at Boca Chita Key that has eroded due to hurricane Ian and Nicole impacts. These options included a rock revetment design, a steel sheet pile design, and a hybrid solution combining both rock revetment and steel sheet piling.

Similar Services Related to this RFQ

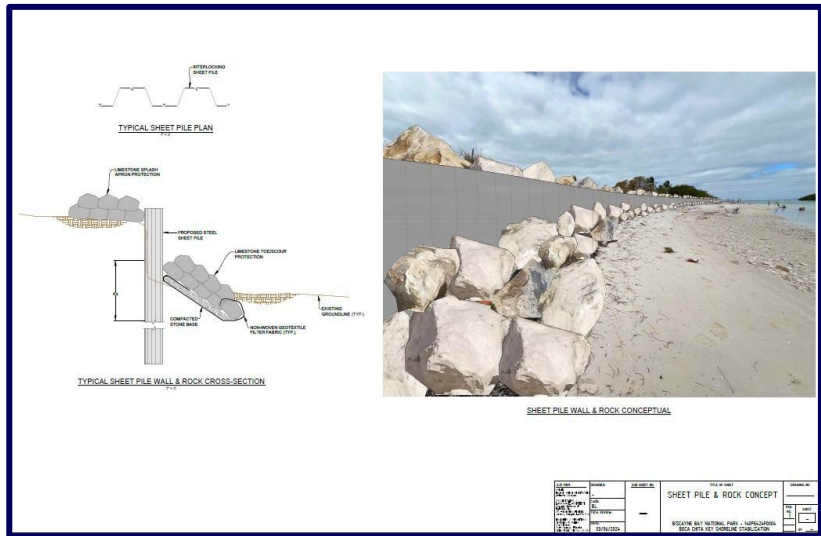
- ❖ Design of Shoreline Stabilization Structures (Seawall/Rock Revetment)
- ❖ Permitting (FDEP, USACOE)
- ❖ Preparation of Construction Plans
- ❖ ADA Compliance
- ❖ Bidding & CEI services
- ❖ Cost Estimation & Bid Prep
- ❖ Environmental Assessment
- ❖ Grant Coordination & Assistance

Project Status & Costs

Project Start: 2023
 Project End: 2025 (Design)
 Engineering Fees: \$124,000
 Construction Cost: N/A

Key Team Members

- Shailesh Patel, M.Sc., CPPSc.
 – Project Manager
- Mehul Patel – Sr. Civil Engineer
- Vitaly Feygin – Sr. Marine Structures Engineer
- Alexis Sorrell, E.I – Coastal Engineer
- Natalie Tejada – Construction Manager



NO.	DATE	BY	REVISION
1	10/10/2023	JL	ISSUED FOR BIDDING
2	10/10/2023	JL	REVISED PER COMMENTS
3	10/10/2023	JL	REVISED PER COMMENTS
4	10/10/2023	JL	REVISED PER COMMENTS
5	10/10/2023	JL	REVISED PER COMMENTS
6	10/10/2023	JL	REVISED PER COMMENTS
7	10/10/2023	JL	REVISED PER COMMENTS
8	10/10/2023	JL	REVISED PER COMMENTS
9	10/10/2023	JL	REVISED PER COMMENTS
10	10/10/2023	JL	REVISED PER COMMENTS



Veterans Memorial Park Plaza Volusia County, Florida

Client Contact

Mr. Tim Baylie
Parks and Recreation
Volusia County
202 N. Florida Ave.
Deland, FL 32720
Tel: (386) 736-5953
Email: Tbaylie@volusia.org

DMC was tasked with the engineering and design of a Veterans Memorial Plaza, including an amphitheater, landscaping, irrigation, and electrical plans. The project also involved the development of a comprehensive stormwater management system utilizing swales and stormwater ponds to ensure effective site drainage. Additional elements of the scope included concrete paving, relocation of existing memorials, installation of a flame feature, individual granite memorials, military branch plaques, and the design and installation of flagpoles and flags.

Key Elements

- ❖ Civil Engineering
- ❖ Stormwater Design
- ❖ Site Review
- ❖ Conceptual Site Plan Development
- ❖ Site Grading & Layout
- ❖ Public Engagement
- ❖ Permitting (FDEP, USACOE, SJRWMD)
- ❖ Preparation of Plans & Technical Specifications

Project Status & Costs

Project Start: 2020
Project End: 2024 (Engineering & Design)
Engineering Fees: \$48,400
Construction Cost: \$1.35 Million

Key Team Members

- Shailesh Patel, M.Sc., CPPSc. – Project Manager
- Mehul Patel, P.E.– Sr. Civil Engineer
- Vitaly Feygin, P.E. – Sr. Marine Structures Engineer
- Alexis Sorrell, E.I – Coastal Engineer
- Natalie Tejada – Construction Manager





Gemini Springs Park Pedestrian Bridges Replacement Volusia County, Florida

Client Contact

Tim Baylie
Director of Parks and Recreation
202 N. Florida Ave.
DeLand, FL 32720
Phone: 386-736-5953
Email: tbaylie@volusia.org

Similar Services Related to this RFQ

- ❖ Civil Engineering
- ❖ Environmental Compliance
- ❖ Permitting (FDEP, USACE, FDOT)
- ❖ Bidding Assistance
- ❖ Construction Management and Inspection
- ❖ Cost Estimation

Project Status & Costs

Project Start: 2022
Project End: 2025
Engineering Fees: \$233,500
Construction Cost: \$2.3 Million

Key Team Members

- Shailesh Patel, M.Sc., CPPSc. – Project Manager
- Mehul Patel, P.E. – Sr. Civil Engineer
- Vitaly Feygin, P.E. – Sr. Marine Structures Engineer
- Alexis Sorrell, E.I – Coastal Engineer
- Kristy Michaels, M.S – Sr. Ecologist
- Natalie Tejada – Construction Manager

Dredging & Marine Consultants, LLC (DMC) was tasked with the engineering design, permitting, bidding assistance, and construction management for the replacement of three pedestrian bridges at Gemini Springs Park to improve safety, accessibility, and durability. DMC designed three timber bridge structures, measuring 40 feet, 48 feet, and 70 feet in length, each with a width of 6 feet. The bridges were engineered to accommodate both pedestrian and maintenance vehicle loads in compliance with County and State standards. The project also included the installation of connecting sidewalks at each bridge end to enhance overall park connectivity.





White City Park Shoreline Stabilization

St. Lucie County, FL

Client Contact

Daniel Finz
 Capital Projects Manager
 2000 Virginia Ave.
 Fort Pierce, FL 34946
 Phone: 772-275-8999
 Email: Daniel.finz@stlucieco.gov

DMC provided engineering design, permitting, bidding assistance, grant administration, and construction management for a rock revetment system to stop erosion caused by wave impacts by boaters at this site. The scope included design of 296 linear feet of riprap at a 2:1 slope, extending up to 10 feet waterward of the Mean High Water Line. These improvements strengthened shoreline protection, reduced erosion, and delivered a long-term stabilization solution. DMC performed hydraulic modeling and prepared and submitted a FEMA No-Rise Certification.

Similar Services Related to this RFQ

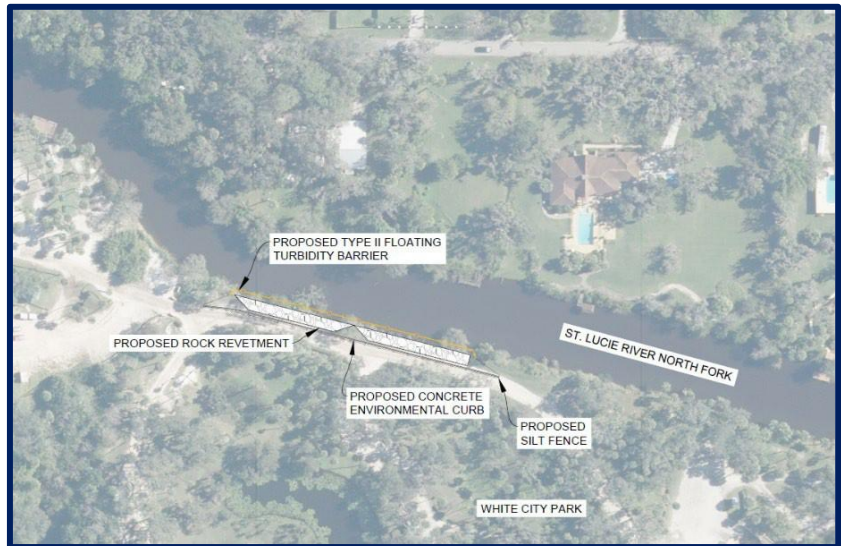
- ❖ Shoreline Stabilization
- ❖ Erosion Control
- ❖ Stormwater Modeling
- ❖ Environmental Compliance
- ❖ Permitting (FDEP, USACE, FDOT)
- ❖ Bidding Assistance
- ❖ Construction Management and Inspection
- ❖ Cost Estimation

Project Status & Costs

Project Start: 2019
 Project End: 2026 (Design)
 Construction in Progress
 Engineering Fees: \$578,722
 Construction Cost: \$2.2 Million

Key Team Members

- Shailesh Patel, M.Sc., CPPSc.
 – Project Manager
- Mehul Patel, P.E. – Sr. Civil Engineer
- Vitaly Feygin, P.E. – Sr. Marine Structures Engineer
- Alexis Sorrell, E.I – Coastal Engineer
- Kristy Michaels, M.S – Sr. Ecologist
- Natalie Tejada – Construction Manager





Riverfront Park Seawall Design Daytona Beach, FL

Client Contact

Mr. James Nelson
City Engineer
301 S. Ridgewood Ave.
Daytona Beach, FL 32114
Tel:(386)671-8613
Email:
nelsonjames@codb.us

Similar Services Related to this RFQ

- ❖ Design of Seawall
- ❖ Stormwater Design and Management
- ❖ Permitting (FDEP, USACOE)
- ❖ Preparation of Construction Plans
- ❖ ADA Compliance
- ❖ Bidding & CEI services
- ❖ Cost Estimation & Bid Prep
- ❖ Environmental Assessment
- ❖ Grant Coordination & Assistance

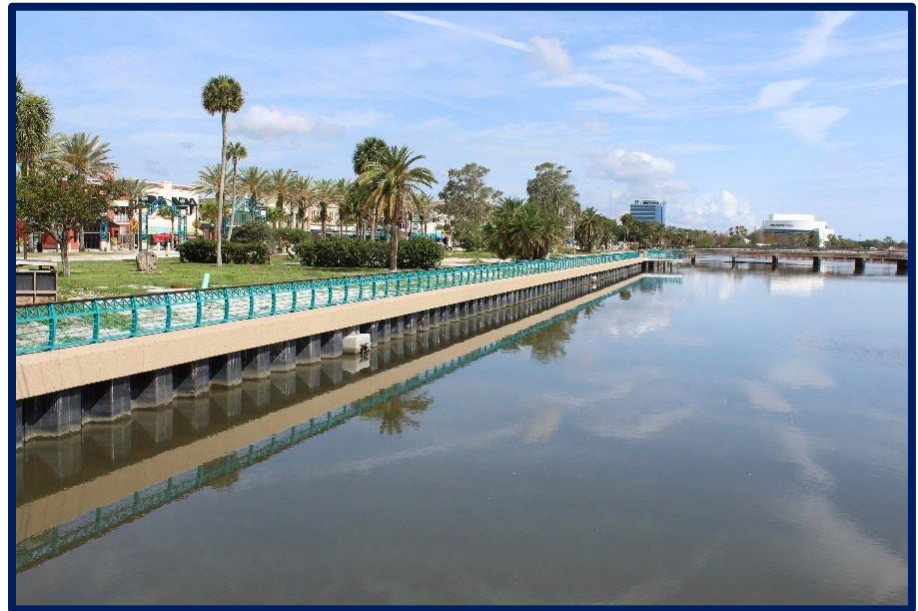
Project Status & Costs

Project Start: 2019
Project End: 2021
Engineering Fees: \$128,263
Construction Cost: \$3.1 Million

Key Team Members

- Shailesh Patel, M.Sc., CPPSc.
– Project Manager
- Stephen Kuhn, P.E. – Sr.
Civil Engineer
- Alexis Sorrell, E.I –
Coastal Engineer
- Kristy Michaels, M.S – Sr.
Ecologist
- Natalie Tejada –
Construction Manager

DMC was tasked by the City of Daytona Beach to redesign 1,400 linear feet of seawall in the downtown Daytona Beach Area. This project is part of the master plan to improve and revitalize the Riverfront Park esplanade and Beach Street area. DMC is working closely with the upland design team to ensure efficiency and design compatibility. DMC has coordinated all survey and geotechnical investigations needed to successfully design a wall that can support the developing upland Infrastructure. DMC performed an environmental resource survey to quantify essential fish habitat in the project area, met with regulatory staff, and has secured all required environmental resource permits. DMC has performed additional services to incorporate stormwater and drainage components. DMC completed the bid review, contractor selection, and assisted the City with construction management and inspection. No change orders were issued on this project.





The projects listed above are representative of the firm’s most recent and relevant experience and demonstrate our ability to successfully perform the services required by the City of Deltona. These projects directly align with the scope of work outlined in this solicitation and showcase our technical capabilities in delivering similar parks and marine engineering services.

The projects listed below are provided for supplemental informational purposes to highlight the firm’s depth and range of experience beyond the five-year limitation period established in this RFQ and reflect our long-standing expertise in delivering complex infrastructure projects.

Boat Ramps/Kayak Launch:

- City of Edgewater Boat Ramp and Amenities
- City of Edgewater George Kennedy Park Boat Ramp Improvements
- St. Lucie County Fisherman’s Wharf Boat Ramp, Dredging, and Bulkhead Design
- St. Lucie County North Causeway Boat Ramp Improvements
- Lake County Water Authority Hickory Point Park Boat Ramp Design
- City of Port Orange Causeway Parking and Boat Ramp Improvements
- City of New Smyrna Beach North Causeway AOB Site Boat Ramp Improvements
- Volusia County High Bridge Boat Ramp and Accessory Dock Improvements
- Volusia County Ed Stone Park Boat Ramp Assessment
- Volusia County Lemon Bluff Boat Launch Facility
- Volusia County Shell Harbor Marine Park
- City of Holly Hill Sunrise Park Boat Ramp and Parking Improvements
- City of Tavares Summerall Park Boat Ramp and Amenities Design
- City of Wootton Park Boat Ramp and Seaplane Marina Ramp
- City of Daytona Beach Bethune Point Park Boat Launch Accessory Docks Repair

Parks/Stormwater Management/Playgrounds/Restrooms/Parking:

- City of Edgewater Whistlestop Park Conceptual Master Planning
- City of Edgewater Boat Ramp and Amenities
- City of Tavares Summerall Park Boat Ramp Improvements
- City of Tavares Woodlea Sports Complex Master Planning
- City of Palatka Riverfront Park Improvements
- Volusia County Veterans Memorial Park Plaza Design
- City of Tavares Aesop’s Park Dog Park, Restroom and Pond Design
- Volusia County Lemon Bluff Marine Park Improvements
- City of Port Orange Riverwalk Park Design
- Volusia County Shell Harbor Marine Park Master Planning
- City of Holly Hill Sunrise Park Boat Ramp and Parking Improvements

Seawalls/ Bulkheads/ Rock Revetments:

- National Park Service Boca Chita Key Shoreline Stabilization
- Taylor Creek Emergency Shoreline Stabilization
- St. Lucie County White City Park Shoreline Stabilization
- City of Daytona Beach Sun Splash Park Seawall & Stormwater Improvements
- Volusia County City Island Shoreline Enhancement
- City of Eustis Ferran Park Bulkhead Replacement
- City of Holly Hill Riverside Park Bulkhead Replacement
- Volusia County Divito Park Bulkhead Assessment and Design

-
- City of Daytona Beach Riverfront Park Seawall Replacement
 - Volusia County City Island Seawall Design & Engineering
 - City of Port Orange B-23 Canal Seawall Design
 - City of Daytona Beach City Island Shoreline Enhancement
 - E-8 Canal Bank Stabilization
 - City of Holly Hill Bulkhead Repair
 - City of Holly Hill Sunrise Park Seawall Assessment & Repair
 - Volusia County Sun Splash Park Seawall Design
 - Volusia County Ed Stone Park Seawall Repair
 - Volusia County North Shore Park Seawall Repair
 - Volusia County South Beach Street Seawall Repair
 - Volusia County Harbor Road Roadside Repair and Stabilization
 - Volusia County River Road Roadside Repair & Stabilization
 - Volusia County Turtlemound Road Roadside Repair & Stabilization
 - Volusia County City Island Seawall Repair
 - Volusia County Sunglow Pier Seawall Repair
 - City of Edgewater Menard May Shoreline Stabilization
 - City of New Smyrna Beach 27th Avenue Seawall Repair
 - City of New Smyrna Beach AOB Phase 1 Dock Improvement and Dredging

Beach Structures:

- Volusia County Boylston Ave. Beach Approach Improvements
- City of Daytona Beach Ocean Walk Pavilion and Stairs Repair
- Volusia County South County Pedestrian Beach Access
- Volusia County Williams Beach Access and Ramp Repair
- Volusia County Plaza Blvd. Beach Approach Improvements
- Volusia County Browning Avenue Beach Access Approach Improvements
- Volusia County Rockefeller Beach Access Approach Improvements
- Volusia County South County Pedestrian Beach Access
- Volusia County Beach Access Structure Modifications
- Volusia County Hurricane Nicole Dune Walkover Repairs
- Volusia County Hurricane Ian Dune Walkover Repairs
- Volusia County Inlet Harbor Road Dune Walk over Repair
- Volusia County Smyrna Dunes Boardwalk Replacement Design
- City of New Smyrna Beach 27th Avenue Beach Access Ramp Repair
- City of New Smyrna Beach Esther Park Beach Access Ramp Design

Pier/Dock:

- City of Port Orange Memorial Park Observation Pier Design
 - City of New Smyrna Beach Brannon Center Pier Replacement
 - City of New Smyrna Beach Rocco Park Pier Improvements
 - City of Port Orange Memorial Park Observation Dock Rehabilitation
 - City of Ormond Beach Cassen Park Dock & Pier Design
 - National Park Service Feller's Dock and Pier Replacement
 - City of Daytona Beach Bethune Point Park Pier Design
 - City of Daytona Beach Day Docks Design
 - City of Daytona Beach Bethune Point Park Boat Launch Accessory Docks Repair
 - City of Daytona Beach Manatee Island Day Dock Repair
 - City of Port Orange Causeway Floating Docks Design
 - City of Port Orange Russell Property ADA Ramp & Dock Design
 - City of Holly Hill Riverside Park Pier Repair
 - City of New Smyrna Beach Buena Vista North Pier Design
 - City of New Smyrna Beach Police Boat House Design
 - Town of Marineland Marina and Dredging Design
 - Tavares Recreational Park Dock Replacement and Access Dredging
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Stormwater Control Structures/Flood Management:

- Lake County Water Authority Palatka River Control Structure M5 and M6 Modification
- Lake County Water Authority Palatka River Villa City Control Structure Modification
- St. Lucie County Lakewood Park Stormwater Improvements P9, P11, P13 Culverts
- St. Lucie County Lakewood Park Stormwater Improvements Canal 3, 4 & 5 Structures
- St. Lucie County Platts Creek Stormwater Repair
- St. Lucie County Shoreline Baffle Box Design
- Volusia County B-19 Canal Box Culvert Replacement and Stabilization

Trails/Boardwalks/ Pedestrian Bridges:

- City of Tavares Wootton Park Trail and Stormwater Improvements
- National Park Service Fort Pickens Boardwalk Replacement
- Volusia County Lake Ashby Park Boardwalk Replacement
- City of Daytona Beach Harvey Avenue Seawall & Boardwalk
- City of Daytona Beach City Island Boardwalk and Trail Design
- City of Daytona Beach Boardwalk and Beach Access Steps and Ramps
- Volusia County Ponce Inlet Jetty Park Boardwalk Design
- Volusia County Spruce Creek Boardwalk Design
- Volusia County Gemini Springs Park Pedestrian Bridge Replacement
- City of Viera Aripeka Pedestrian Bridge and Walkway Design
- City of Holly Hill Sunrise Park Pedestrian Bridge Design
- Viera Pangea Park Pedestrian Bridge Design

Living Shoreline/Break Water/Conservation Lands

- St. Lucie County Old Fort Park Oyster Reef Living Shoreline
- City of Ormond Beach Cassen Park Break Water Design and Dredging
- St. Lucie County Miller Oxbow
- St. Lucie County Ridgehaven Property
- St. Lucie County Indian Hills Seagrass Survey/Protection

Dredging:

- St. Lucie County Taylor Creek Restoration Dredging
- City of Daytona Beach Halifax Harbor North and South Marina Dredging
- Volusia County Spruce Creek Dredging Design
- National Park Service Elliott Key Harbor Dredging Design
- City of Daytona Beach Halifax Harbor Marina South Dredging Design
- City of Port Orange B-23 Canal Dredge Design
- City of Port St. Lucie 10 Waterways & Canals Dredging Design
- City of Holly Hill Sunrise Park Boat Ramp and Parking Improvements
- City of Panama City Johnson Bayou, Lake Huntington, Watson Bayou, Poston Bayou Maintenance Dredging Design
- Volusia County Ponce Inlet Side Channel Maintenance Dredging
- Volusia County Ponce Inlet North Boat Ramp Channel Dredging
- Volusia County Shell Harbor Dredging
- City of New Smyrna Beach AOB Phase 1 Dock Improvement and Dredging
- City of Sebastian Main Street Boat Ramp Dredging
- City of Ormond Beach Cassen Park Break Water Design and Dredging

MARINE STRUCTURES ENGINEERING

PARKS & RECREATION FACILITIES

SHORELINE PROTECTION & STABILIZATION

FLOATING & FIXED DOCKS

SEAWALL, BULKHEAD, & ARMORING

DREDGE ENGINEERING

ENVIRONMENTAL RESOURCE PERMITTING

STORMWATER MANAGEMENT

CIVIL SITE ENGINEERING

WATER QUALITY MANAGEMENT

STORMWATER MANAGEMENT

WATER CONTROL STRUCTURES

MARINE STRUCTURAL ASSESSMENTS

CONSTRUCTION INSPECTION & MANAGEMENT

RESILIENCY

GRANT MANAGEMENT & COORDINATION

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