

Technical Evaluation Committee (TEC) Questionnaire

Instructions

- The Technical Evaluation Committee (TEC) Questionnaire shall be used for professional services related to architecture, engineering, or survey projects.
- **The TEC Questionnaire should be completely filled out. Complete and attach ALL Sections. Insert “N/A” or “None” if a section does not apply or if there is no information to provide.**
- Questionnaire must be signed by an authorized representative of the Firm. Failure to sign the questionnaire shall result in disqualifications of proposer pursuant to J.P. Code of Ordinance Sec. 2-928.
- All subcontractors must be listed in the appropriate section of the Questionnaire. Each subcontractor must provide a complete copy of the TEC Questionnaire, applicable licenses, and any other information required by the advertisement. Failure to provide the subcontractors' complete questionnaire(s), applicable licenses, and any other information required by the advertisement shall result in disqualification of proposer pursuant to J.P. of Ordinance Sec. 2-928.
- If additional pages are needed, attach them to the questionnaire and include all applicable information that is required by the questionnaire.

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ NO. 22-036 - Supplemental Coastal Engineering and Consulting Services
Resolution No. 139868

B. Firm Name & Address:

Geosyntec Consultants, Inc.
5420 Corporate Blvd., Suite 202
Baton Rouge LA 70808

C. Name, title and contact information of Principal, as defined in Section 2-926 of the Jefferson Parish Code of Ordinances, who is a registered, licensed architect, professional engineer, or surveyor in the State of Louisiana:

Ganesh Krishnan, PE, Senior Principal
gkrishnan@geosyntec.com
678-202-9526

D. Name and contact information of employee who is a registered and licensed architect, professional engineer, or surveyor in the State of Louisiana in the applicable discipline. A subcontractor may be substituted here only if the advertised Project requires more than one discipline.

Amanda Taylor, PE
ataylor@geosyntec.com
225-325-3239

E. Please provide the number of employees whose primary function corresponds with each category:

88 Administrative	4 Estimators	3 Specification Writers
0 Architects (Licensed)	195 Geologists	0 Structural Engineers
34 Chemical Engineers	112 Geotechnical Engineers	0 Graduate Engineers
117 Civil Engineers	0 Interior Designers	142 Project Managers
70 Construction Inspectors	0 Landscape Architects	10 Clerical
2 Ecologists	0 Land Surveyor	0 Grant/Funding Specialist
3 Electrical Engineers	4 Mechanical Engineers	27 Sanitary Engineers
15 Engineer Intern	342 Environmental Engineers	
1 Professional Land Surveyors		1169 TOTAL

F. Is this submittal by a JOINT-VENTURE? Please check: YES ☐ NO ☒ If

marked "No" skip to Section I. If marked "yes" complete Sections G-H.

TEC Professional Services Questionnaire

G. If submittal is by JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. Please attach additional pages if necessary.

1. N/A

2. N/A

H. Has this JOINT-VENTURE previously worked together? Please check: YES ☐ NO ☒

I. List all subcontractors anticipated for this Project. Please note that all subcontractors must submit a fully completed copy of this questionnaire, applicable licenses, and any other information required by the advertisement. See Jefferson Parish Code of Ordinances, Sec. 2-928(a)(3). Please attach additional pages if necessary.

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1. N/A	N/A	N/A
2. N/A	N/A	N/A
3. N/A	N/A	N/A

J. Please specify the total number of support personnel that may assist in the completion of this Project:

217

TEC Professional Services Questionnaire

K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Amanda Taylor, PE
Engineer

Project Assignment:

Professional in Charge

Name of Firm with which associated:

Geosyntec Consultants

Years' experience with this Firm:

3 Years

Education: Degree(s)/Year/Specialization:

BS / 2013 / Biological Engineering

Active registration: Year first registered/discipline:

2017 / Louisiana Professional Engineer 2019 / Alabama Professional Engineer
2021 / Florida Professional Engineer

Other experience and qualifications relevant to the proposed Project:

Prior to joining Geosyntec, Ms. Taylor served as a project engineer for the Louisiana Coastal Protection and Restoration Authority from July 2013 through October 2019. She has experience with providing planning, design, analysis, and construction documents for a wide variety of coastal projects including marsh creation, living shorelines, hydrologic restoration, dredging, sea level rise impacts, and flood protection studies.

Key experience relevant to the proposed Project include:

Cole's Bayou Marsh Restoration, Vermilion Parish, LA. Design Engineer and Engineer of Record for the project, which restored 420 acres of brackish marsh by hydraulically dredging approximately 1.5 million cubic yards of material from Little Vermilion Bay and restored the hydrology of the area with the installation of nine water control structures. Responsibilities included developing preliminary and final design reports and calculations packages, developing construction bid documents, leading the pre-bid meeting, and coordinating with the Contractor throughout construction.

Caminada Headland Back Barrier Marsh Creation Project Increments 1 and 2, Lafourche and Jefferson Parishes, LA. Design Engineer and Engineer of Record for project(s) aiming to restore approximately 1,000 acres of saline/intermediate marsh immediately landward of the Caminada Headland Beach and Dune Projects by hydraulically dredging approximately 2.7 million cubic yards of material from the Gulf of Mexico. Responsibilities included developing preliminary and final design reports and calculations packages, providing cost estimates, leading meetings to combine two phases of construction into one larger project, and developing construction bid documents.

Equinor SRP Breakwater and Shoreline Protection Project, Grand Bahamas Island, Bahamas. Responsible for the technical review of the breakwater and shoreline protection coastal engineering design and development of the technical specifications and scope of work.

Wave Studies (Phoenix 11, Atlas Condominiums, and Caribe Seaside PUD), Baldwin County, AL. Responsible for the project management and client coordination for three wave study projects. Development of a technical memorandum detailing results of the wave study and recommendations for beach and dune enhancement.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Ganesh Krishnan, PE, CPESC, D.WRE Senior Principal	
Project Assignment:	
Principal	
Name of Firm with which associated:	
Geosyntec Consultants	
Years' experience with this Firm:	
26 Years	
Education: Degree(s)/Year/Specialization:	
MS / 1996 / Environmental Engineering MS / 1995 / Civil Engineering BS / 1992 / Civil Engineering	
Active registration: Year first registered/discipline:	
2003 / Louisiana Professional Engineer	2000 / Georgia Professional Engineer
2013 / Diplomate Water Resources Engineer	2005 / Certified Professional in Erosion and Sediment Control
Other experience and qualifications relevant to the proposed Project:	
<p>Mr. Krishnan brings more than 25 years of experience in planning, design, permitting and construction for projects in civil, environmental, water resources, and waterfront engineering. At Geosyntec, Mr. Krishnan has served in project roles that include principal-in-charge (or project director), project manager, engineer of record, technical director or advisor, and peer reviewer. Mr. Krishnan has prepared, overseen, or directed numerous design documents including construction drawings, design reports, calculations, permit applications, etc. Mr. Krishnan's technical expertise is in the areas of water resources and hydraulic engineering. He has served as project manager for projects with constructed value ranging from \$500,000 to \$450 Million.</p> <p>Key projects relevant to the proposed Project include:</p> <p><i>Ralph C. Wilson, Jr. Centennial Park (RCWJCP) Redevelopment, Buffalo, NY.</i> Senior Advisor for the Marine Engineering aspects of the RCWJCP revitalization design on the shore of Lake Erie. The marine engineering components included the design of a naturalized shoreline, inlet lagoon, and expansion of the current shoreline to include an outcrop. The focus of the design was to reform the existing bulkhead along the shore with features that increase biodiversity, provide public access to the lake, and provide general shoreline protection for the park.</p> <p><i>Proposed On-Site Waste Disposal Facility (OSWDF), Portsmouth Gaseous Diffusion Plant, Piketon, OH.</i> Engineering Manager for the planning, design, and permitting for an OSWDF for the disposition of low-level radioactive waste. Led efforts related to design of associated support facilities such as haul and access roads, water management systems, and laydown/stockpile areas. Permit and construction packages included calculations, drawings, technical specifications, and support plans</p> <p><i>Riverbank Restoration Demonstration, Chickasaw Park, Louisville, KY.</i> Technical Director and Engineer of Record for U.S. EPA demonstration project for the Louisville Olmsted Parks Conservancy. Project will demonstrate hard-engineered techniques in conjunction with biotechnical slope stabilization techniques to restore a 300-ft stretch of Ohio Riverbank in Louisville, Kentucky.</p> <p><i>Stormwater Master Planning, Robins Air Force Base, Macon, GA.</i> Project Manager and Technical Lead for a capital improvement study targeted towards alleviating flooding, achieving stormwater quality improvement, and developing low-impact retrofit techniques for a 11-square-mile active air force base.</p>	

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Michael Jenkins, PhD, PE Senior Principal
Project Assignment:
Coastal Engineering & Modeling Lead
Name of Firm with which associated:
ATM, a Geosyntec Company
Years' experience with this Firm:
18 Years
Education: Degree(s)/Year/Specialization:
PhD / 1998 / Ocean Engineering MS / 1993 / Ocean Engineering BS / 1991 / Ocean Engineering
Active registration: Year first registered/discipline:
2002 / Florida Professional Engineer
Other experience and qualifications relevant to the proposed Project:
<p>Dr. Jenkins is a recognized expert in the field of coastal engineering and has an extensive background in modeling dynamic coastal systems. He has directed the placement of more than 15 million cubic yards of cumulative volume through multiple nourishment and maintenance dredging efforts. He has served as the engineer of record for numerous coastal and estuarine projects involving inlet management, structure design, evaluation, and permitting. Projects include beach nourishment, dredging, and structures such as rock groins and revetments, composite groin structures, breakwaters and geotube structures. Dr. Jenkins has significant experience in the development of environmental assessments and environmental impact assessments. He maintains successful proactive relationships with multiple federal, state, and international regulatory agencies within the coastal field.</p> <p>Experience relevant to the proposed Project includes:</p> <p><i>Plaquemines Parish Feasibility Report, LA.</i> Project Manager for a National Oceanic and Atmospheric Administration (NOAA) project to restore saltwater marsh to Louisiana's barrier islands. Assessed long-term and short-term shoreline changes and sea level rise and island subsidence rates and evaluated feasible design options. Performed wetland value assessment for the existing and with-project conditions for the 20-year project cycle.</p> <p><i>CWPRA Coastal Protection Projects, Barataria Bay, LA.</i> Project Engineer for three island restoration projects within the Barataria Bay Region (Pelican Island, Chalant Headland, Chenier Ronquille). Work included the design and engineering of island and marsh restoration components, regulatory permitting, project management and bid support.</p> <p><i>Holly Beach Shoreline Restoration, LA.</i> Project Engineer for the modeling and design of shoreline stabilization measures in Holly Beach. Modeled regional coastal processes and designed beach nourishment and coastal breakwater optimization.</p> <p><i>Task Force Member, Florida Department of Environmental Protection (FDEP) Joint Coastal Permit (JCP) Rapid Improvement Task Force.</i> Served as the only outside team member on the FDEP's JCP Rapid Process Improvement initiative. This effort was focused on identifying and implementing improvements to the Joint Coastal Permitting process.</p> <p><i>Coastal Program Management, Town of Jupiter Island, FL.</i> Principal-in-Charge and Engineer of Record on design, permit, bidding and construction support for the 2012, 2016, 2019 and 2021 renourishment projects; construction of an emergency dune project in response to Hurricane Sandy; general consulting and professional opinions relating to inlet management issues; general consulting and professional opinion relating to coastal construction and sea level rise issues; and review and comment on permits, design, and other technical documents.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Heath Hansell, PE Project Engineer	
Project Assignment:	
Coastal Engineering & Modeling Support	
Name of Firm with which associated:	
ATM, a Geosyntec Company	
Years' experience with this Firm:	
10 Years	
Education: Degree(s)/Year/Specialization:	
MS / 2012 / Ocean Engineering BS / 2009 / Civil Engineering	
Active registration: Year first registered/discipline:	
2015 / South Carolina Professional Engineer 2007 / Georgia Professional Engineer	2017 / Mississippi Professional Engineer 2018 / Maine Professional Engineer
Other experience and qualifications relevant to the proposed Project:	
<p>Mr. Hansell is a Coastal and Waterfront Engineer with more than 10 years of experience in the coastal, marine, and waterfront engineering industry. He manages and executes the feasibility, planning, design, permitting, construction, and monitoring of coastal engineering projects. Mr. Hansell's projects range from small- to large-scale coastal, estuarine, riverine, and lake works, including public and private natural shoreline and habitat restorations, beach nourishments and shoreline protection, working and commercial waterfronts, and marina and water access facilities. His expertise includes comprehensive site evaluations; field data collection and statistical analyses of environmental conditions, numerical modeling, shoreline assessments, coastal structural design, marina planning and design, dredging and beach nourishment, wetlands, coastal hazards and flooding, vulnerability and resilience studies, and the Federal Emergency Management Agency mapping and engineering.</p> <p>Key projects relevant to the proposed services include:</p> <p><i>Railroad Corner Beneficial Use Site, Pascagoula, MS.</i> Lead Coastal Engineer for the planning and design of a shallow, open-water containment area for beneficial use of dredge material. Responsible for field investigation support, feasibility and concept development, including incorporating surrounding marsh into containment design with rock protection and berm structures.</p> <p><i>Drum Island Marsh Mitigation, Charleston, SC.</i> Coastal Engineer responsible for technical peer review of planning, design and construction documents for a marsh mitigation project planned to create, restore and enhance a historic dredge spoil island in Charleston Harbor for port mitigation. Assessed changes in project site since original design due to erosion and land loss. Conducted a detailed coastal analysis to refine overly conservative design conditions. Developed recommendations for updated tidal creek layout and single entrance, shoreline protection schemes, marsh matrix habitat, and various project design elements to provide significant cost savings while maintaining a resilient design.</p> <p><i>Jekyll Island Shoreline Restoration, Jekyll Island, GA.</i> Coastal Engineer of Record responsible for the planning, design, permitting, bidding, construction oversight, and post-project monitoring of the GA State Park oceanfront shoreline rehabilitation project. Assessed condition of deteriorating rubble mound stabilization, upper beach habitat, and natural erosive shorelines along two miles of oceanfront. Expedited project permitting with local, state, and federal agencies under emergency nationwide permitting procedures. Developed project designs for the shoreline rehabilitation project, including rock protection structures, sandy berm areas, dunes, and extensive native vegetation and sand fencing efforts.</p>	

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title: Maura Boswell, PE Senior Engineer
Project Assignment: Coastal Engineering & Modeling Support
Name of Firm with which associated: ATM, a Geosyntec Company
Years' experience with this Firm: <1 Year
Education: Degree(s)/Year/Specialization: PhD in Progress / 2022 (Expected) / Civil and Environmental Engineering MS / 2004 / Coastal and Oceanographic Engineering BS / 2002 / Ocean Engineering
Active registration: Year first registered/discipline: 2010 / Virginia Professional Engineer 2008 / Florida Professional Engineer
Other experience and qualifications relevant to the proposed Project: <p>Ms. Boswell is a Senior Engineer with expertise in coastal engineering, marinas, and urban waterfronts. Her coastal engineering experience includes coastal structure design, post-storm condition field assessment, shoreline change assessment, permit acquisition, preparation of final design documents, and wave prediction and wave force studies for fixed and floating structures. Her urban waterfront and marina experience includes marina market studies, marina layout designs, and analysis of boating and cruising trends.</p> <p>Key experience relevant to the proposed Project includes:</p> <p><i>Mississippi River Long Distance Sediment Pipeline Project, Plaquemines Parrish, LA.</i> Coastal Engineer who analyzed historic and current bathymetry data to determine channel depths and identify potential sediment borrow areas.</p> <p><i>Wave Attenuation Services of Living Shorelines, Gloucester Point and Bayford, VA.</i> Designed a field experiment and collected wave, pressure, and survey data at two living shoreline project sites in Virginia—one marsh-sill and one oyster reef—for assessment of hydrodynamic aspects of the designs and quantification of attenuation services provided. Utilized field data in a non-hydrostatic wave model (NHWAVE) to evaluate potential areas for design optimization and effectiveness of the designs to accommodate changes due to sea level rise.</p> <p><i>Aqualea Development Modification to V-Zone Delineation, Clearwater Beach, FL.</i> Coastal Engineer who analyzed detailed topographic data to provide further detail to FEMA for flood zone determination along a portion of the Clearwater Beach shoreline. The Wave Height Analysis for Flood Insurance Studies model was used to update the flood zones in the area, based on the additional detailed topographic data, and to obtain a Letter of Map Revision (LOMR) from FEMA for the client. Once the LOMR was received, designed a dune system seaward of the clients' upland structure to further reduce the building flood zone.</p> <p><i>Knitting Mill Creek Shoreline Protection, Norfolk, VA.</i> Project Manager. Conducted a site assessment of the existing shoreline conditions and provided multiple protection alternatives with associated opinions of probable cost. Provided design and permitting support and prepared bid documents for improvements that incorporated a combination of bulkheads, revetments and living shorelines.</p> <p><i>Dog Beach, Tampa, FL.</i> Coastal Engineer. Analyzed historic shoreline change and designed a beach fill project with associated offshore structure for erosion control at Dog Beach.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title: Spencer Varnado Senior Scientist
Project Assignment: Permitting Lead
Name of Firm with which associated: Geosyntec Consultants
Years' experience with this Firm: 9 Years
Education: Degree(s)/Year/Specialization: BS / 2003 / Biology, Ecology, and Environmental Studies
Active registration: Year first registered/discipline: N/A
Other experience and qualifications relevant to the proposed Project: <p>Mr. Varnado is an ecologist and wetlands scientist with experience in environmental compliance, permitting, and biological investigations. His areas of expertise include environmental and biological assessments, surveys, and mapping; jurisdictional wetland delineations and determinations; regulatory permitting and compliance monitoring (Sections 404, 10, 408, and 401); coastal use permitting; remote sensing and image interpretation; protected species surveys; geophysical survey compliance monitoring; wetland value assessments; migratory bird and bird rookery surveys; habitat mapping; biological and hydrological sampling and monitoring; surface water permitting and compliance; drainage and watershed assessment; and National Environmental Policy Act compliance investigations and reports (e.g., environmental assessments, environmental impact statements, biological assessments).</p> <p>Key experience relevant to the proposed project includes:</p> <p><i>Coastwide Reference Monitoring System, Louisiana Department of Natural Resources, LA.</i> Installed and monitored reference sites across 18 coastal Louisiana parishes. Performed site characterizations, installation of continuous water quality recording devices, and data processing.</p> <p><i>South East Supply Header Project, Delhi, LA to Mobile, AL.</i> Wetland delineation and endangered species surveys for a 273-mile, 42-inch pipeline route, including workstations, access roads, and compressor stations. Performed environmental field surveys and developed resource reports, Federal Energy Regulatory Commission (FERC) filing, and regulatory agency permitting. Included habitat surveys for Louisiana black bear, Red-cockaded woodpecker, and gopher tortoise.</p> <p><i>Texas Eastern Transmission, Cameron System Abandonment Project, Cameron Parish, LA and Offshore Waters of the Gulf of Mexico.</i> Field ecological surveys and environmental permitting for the abandonment of approximately 200 miles of natural gas pipelines. Agency consultations and authorizations from agencies including FERC, United States Army Corps of Engineers (USACE), U.S. Fish and Wildlife Service, National Marine Fisheries Service, NOAA, and Louisiana Department of Wildlife and Fisheries.</p> <p><i>Hooper Rd Extension Stage 0, Wetland Delineation, and Environmental Assessment, Louisiana Department of Transportation and Development, East Baton Rouge & Livingston Parishes, LA.</i> Performed Stage 0 research related to wetlands, and hazardous wastes; background research and field surveys; a wetland delineation; threatened and endangered species survey (including rare mussel survey of Amite River); and writing of environmental assessment.</p> <p><i>Rosedale Plantation Wetland Delineation, West Baton Rouge Parish, LA.</i> Wetland delineation on 70 acres of disturbed forests, cleared for construction of an 875-acre high-fence hunting preserve. Coordinated restoration and permitting with USACE. Compiled a comprehensive restoration plan for impacted wetlands and coordinated restoration activities.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Scott Deitche, ENV SP Senior Principal
Project Assignment:
Environmental Services Lead
Name of Firm with which associated:
Geosyntec Consultants
Years' experience with this Firm:
<1 Year
Education: Degree(s)/Year/Specialization:
BS / 1994 / Marine Science (Biology Concentration)
Active registration: Year first registered/discipline:
2019 / Envision Sustainability Professional 2003 / Florida Qualified Stormwater, Erosion, and Sedimentation Control Inspector and Trainer
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Deitche has more than 27 years of experience in water quality monitoring and analysis, water quality regulatory compliance, resiliency, environmental management, marine science, environmental permitting, environmental monitoring programs, estuarine studies, and project management.</p> <p>Key experience relevant to the proposed Project includes:</p> <p><i>Lake Management Master Plan, City of St. Petersburg, FL.</i> Project Manager. Assisted the City of St. Petersburg with a comprehensive lake management plan for all 80 city-maintained lakes and adjacent shorelines. The plan outlined water quality conditions for the lakes as well as maintenance strategies for the lake and shorelines in addition to providing support for cost estimation of long-term maintenance and monitoring.</p> <p><i>Environmental Permit Support, Multiple Clients and Locations.</i> Scott provides environmental permitting support for a variety of clients throughout the southeast including ERP permitting; ACOE permitting; Coast Guard permitting; and construction National Pollutant Discharge Elimination System, industrial point source, and Multi-Sector General Permits.</p> <p><i>Channel A&G Pilot Monitoring Project, Tampa Bay Estuary Program, Tampa, FL.</i> Project Manager and Senior Scientist for the long-term monitoring and shoreline restoration of two tidal tributaries, both pre- and post-removal of two salinity barriers in Old Tampa Bay. Tasks include habitat restoration, fresh- and saltwater fish community sampling and analysis, biological and environmental habitat assessment, wildlife monitoring, vegetation and wetland assessments, water quality sampling and analysis, modeling, bathymetric work, and public outreach.</p> <p><i>Shore Acres Tidal Resiliency Plan, City of St. Petersburg, FL.</i> Senior Scientist and Project Manager for an overall assessment of the hydrogeological conditions and potential for tidal resiliency projects for the Shore Acres Community. Shore Acres experiences street flooding during high tide events, producing debilitating conditions. Tasks included site investigations, waterside assessments of outfall structures, H&H modeling, design of living shorelines, and preliminary analysis of site conditions.</p> <p><i>Technical Support for Monitoring Ecological Baseline Conditions, South Florida Water Management District, FL.</i> Project Manager. Provided continuing technical support for monitoring of ecological conditions for USACE G-3273 Relaxation/S 356 Pump Station Field Test, 2A, Taylor Slough, and Loxahatchee Impoundment Landscape Assessment. Tasks included management of field investigations, environmental assessments, and habitat restoration.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Davis Lofton, PhD, PE Engineer	
Project Assignment:	
Field Investigations Lead	
Name of Firm with which associated:	
Geosyntec Consultants	
Years' experience with this Firm:	
5 Years	
Education: Degree(s)/Year/Specialization:	
PhD / 2017 / Civil Engineering MEd / 2012 / Teaching Arts BS / 2011 / Chemistry	
Active registration: Year first registered/discipline:	
2021 / Louisiana Professional Engineer	2022 / Texas Professional Engineer
2022 / Mississippi Professional Engineer	2022 / Kansas Professional Engineer
Other experience and qualifications relevant to the proposed Project:	
<p>Dr. Lofton is an environmental engineer with experience in oversight of direct push technology drilling; groundwater, vapor intrusion, surface water, and soil sampling; data evaluation and analysis; remedial system technology evaluation, design, and implementation; and construction oversight. His academic experience includes describing and evaluating the leaching characteristics of a solidified/stabilized industrial by-product (i.e., fluorogypsum) for aquatic applications used in coastal protection.</p> <p>Key experience relevant to the proposed Project includes:</p> <p><i>Anderson Engineering, Rayne, LA.</i> Provided oversight of the soil stabilization of three retention ponds utilizing fly ash. The retention ponds were dewatered, and fly ash was mixed into the soils within the ponds using the bucket of an excavator. Assisted with the collection of unconfined compressive strength using a pocket penetrometer to evaluate the stabilization of soils mixed with fly ash.</p> <p><i>Magellan Midstream Partners, L.P., Houston, TX.</i> Conducted multiple semi-annual fault monitoring events of active faults that cross pipeline corridors. Performed surveying and quality control activities.</p> <p><i>Allied Waste, Hackberry, LA.</i> Conducted low-flow groundwater sampling using a peristaltic pump and groundwater sampling using passive diffusive bags (PDBs). Groundwater samples were collected from 18 monitoring wells, which included sampling PDBs at seven of the wells.</p> <p><i>Gulf Coast Authority (GCA), Texas City, TX.</i> Conducted multiple semi-annual, low-flow groundwater sampling events at the GCA Campbell Bayou facility. Groundwater samples were collected from 28 monitoring wells and were analyzed for total dissolved metals (filtered and unfiltered), total phenols, semi-volatile organic compounds, and VOCs.</p> <p><i>GCA, Pasadena, TX.</i> Conducted multiple semi-annual groundwater sampling events, performed a monitoring well evaluation, provided oversight of a surveyor for the collection of top-of-casing and ground surface elevation at on-site monitoring wells, and performed a down-hole camera investigation at select monitoring wells at the GCA Bayport facility.</p>	


TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Katie Fox, PE Senior Engineer	
Project Assignment:	
Outreach & Educational Support Lead	
Name of Firm with which associated:	
Geosyntec Consultants	
Years' experience with this Firm:	
12 Years	
Education: Degree(s)/Year/Specialization:	
BS / 2007 / Civil Engineering	
Active registration: Year first registered/discipline:	
<div style="display: flex; justify-content: space-between;"> <div> 2016 / Louisiana Professional Engineer 2021 / North Carolina Professional Engineer 1990 / Florida Certified Stormwater, Erosion, and Sedimentation Control Inspector </div> <div> 2012 / Florida Professional Engineer 2012 / Alabama Qualified Credentialed Inspector </div> </div>	
Other experience and qualifications relevant to the proposed Project:	
<p>Ms. Fox is a civil/water resources engineer with expertise in all aspects of project development from site due diligence activities to construction oversight. She specializes in water resources engineering and stormwater management with robust experience in hydraulic and hydrologic modeling, erosion and sedimentation control, environmental permitting, and milestone engineering document deliverables (30%, 60%, 90%, and 100% design).</p> <p>Key experience related to the proposed Project includes:</p> <p>Stormwater Management (Multiple Sites). Designed and modeled stormwater management systems for multiple sites including green, industrial, commercial, construction, and remedial projects. Stormwater management systems have included the design of multiple dry and wet detention ponds, storm sewers, culverts, channels (e.g., concrete, grass, riprap, TRM), tanks, spillways, erosion protection, and infiltration systems to meet state, local, and federal regulations in Florida, Georgia, North Carolina, and Ohio. Modeling of stormwater management systems has included the use of HydroCAD, ICPR, FHWA HY-8, SWMM, and other software specific to states or localities. During designs, oversaw computer-aided designers and other engineers and completed stormwater management and erosion/sediment control designs (including drawings, calculations, and technical specifications) for preliminary, permit, and construction submittals.</p> <p>Mullet Creek Rehabilitation, Pinellas County, FL. Project Manager and Engineer responsible for taking a previously approved conceptual channel rehabilitation cross-section and conducting appropriate hydrologic and hydraulic calculations in support of the development of permit packages and construction level design drawings.</p> <p>Cocoa Beach Stormwater Master Plan Update City of Cocoa Beach, FL. Project Engineer and Technical Reviewer for a comprehensive stormwater management plan to address existing problems and prepare for future regulations and land development. The project consisted of a 2200-acre watershed on a coastal barrier island, which discharges runoff into the Indian River Lagoon, an environmentally sensitive waterway. The results of the engineering and programmatic studies culminated in the development of a comprehensive capital improvement program with administration and maintenance recommendations to provide a cost-of-service basis for the city's future stormwater program.</p> <p>Gulf Frontal Watershed Management Plan, Mobile Bay National Estuary Program (MBNEP), Baldwin County, AL. Project Engineer/Technical Reviewer. Geosyntec has prepared the Little Lagoon and Perdido Pass watershed management plan funded by the MBNEP. This plan will be developed through a comprehensive analysis of existing information, collaboration with stakeholders through public forums, and prioritization of recommended actions based on cost and other factors. This includes a watershed-scale evaluation of existing and future land-use changes, strategies to reduce nutrient loads, and optimization based on cost, human health, and environmental factors.</p>	

TEC Professional Services Questionnaire



L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.

PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Optimizing the Design Process for Dredged Material Containment Area Dike Raisings, Savannah, Georgia</p> <p>Georgia Department of Transportation/Chatham County Engineers Office</p> <p>Claude R. Jackson, P.E. Phone: (404) 673-9119 Email: CJackson@dot.ga.gov</p> 	<p>The Savannah River Harbor requires periodic dredging to support commercial shipping traffic for one of the busiest ports on the East Coast. These materials are disposed within a series of diked, dredged material containment areas (DMCAs) located on the eastern side of the Savannah River in Jasper County, South Carolina. Previous construction events to raise the dikes resulted in slope stability failures.</p> <p>Georgia Department of Transportation retained Geosyntec to assist the agency with this challenging project as well as to design Bird Islands. This project introduced the concept of GIS modeling to geotechnical engineering practice. This project highlighted to the client the significant value of using GIS modeling techniques for managing geotechnical site characterization information. Geosyntec was a pioneer in advancing the concept and demonstrating the benefits of the technology to the geotechnical community. This technology was integrated into a site characterization model to design the dike raising. The crowning project accomplishment was realized on the first dike raising project after completion of the design optimization project, where a 5-ft high dike raising was completed with no indication of dike instability.</p> <p>Services provided include:</p> <ul style="list-style-type: none"> • Characterization of Existing Subsurface Conditions • Development of a Closed-Form Analytical Methodology to Facilitate Dike Raising Design and Cost Estimates • Development a GIS Model to Manage the Large Quantities of Geotechnical Data • Performed Geotechnical Calculations to Provide a Preliminary and Final Dike Raising Design with Appropriate Factors of Safety and Necessary Reinforcement Requirements • Instructed the Construction of Bird Islands Through Control of Rate of Fill Placement 	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2000	\$648,000	\$19,000



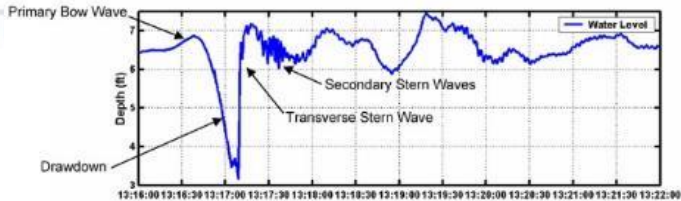
TEC Professional Services Questionnaire

PROJECT NO. 2


Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>SLNG Elba Island Dredged Material Containment Areas, Savannah, Georgia</p> <p>Southern LNG 1 Elba Island Rd Savannah, GA 31402</p> <p>Jeffrey "Jeff" C. Green, PE Phone: 912-944-3838 Email: jeffrey_green@KinderMorgan.com</p> <div style="display: flex;">   </div>	<p>Since 2000, Geosyntec has been working with Kinder Morgan's subsidiary, Southern LNG (SLNG) to provide engineering support and environmental permitting services for the maintenance of Elba Island's liquefied natural gas (LNG) terminal and ship off-loading facility and on-island support infrastructure. The approximately 750-acre island supports approximately 11 billion cubic feet of LNG storage, a regasification plant, two domestic distribution pipelines, a 44-acre Ship Slip and 33-acre Turning Basin in the Savannah River, and two 120-acre DMCA's. Geosyntec provides a host of services to support maintenance dredging, maintain disposal capacity in the DMCA's (capacity enhancements), infrastructure protection, environmental permitting, and long-range facility planning for changing market conditions.</p> <p><i>Due to Geosyntec's innovative methods, Geosyntec was awarded one of five Engineering Excellence Awards for the salt marsh restoration, which facilitated expansion of DMCA 2, by the American Council of Engineering Companies in the State of Georgia.</i></p> <p>Services provided include:</p> <ul style="list-style-type: none"> • Leading Geotechnical Investigation Efforts • Performing Geotechnical Engineering Design • Oversaw Construction Services to Support Dike Raising and Dredge Material Management • Shoreline Protection Design • Development of a Long-Range Shore Protection Maintenance Program for Continued Monitoring for Future Repairs • Environmental Permitting and Agency Coordination • Salt Marsh Restoration • Maintenance Dredging Management 	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021 & Ongoing	\$8 million	\$8 million

TEC Professional Services Questionnaire


PROJECT NO. 3

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Shoreline Stabilization, Elba Island, Savannah Harbor, Georgia</p> <p>Southern LNG 1 Elba Island Rd Savannah, GA 31402</p> <p>Jeffrey "Jeff" C. Green, PE Phone: 912-944-3838 Email: jeffrey_green@KinderMorgan.com</p> <div style="display: flex; justify-content: space-around;">   </div>	<p>In 2006, Southern Liquid Natural Gas (SLNG) sought ATM, a Geosyntec Company, to solve a problem at the eastern end of Elba Island, where erosion threatened a marsh mitigation project designed by ATM. The project site is a dynamic area of the Savannah River that experiences swift currents, wind-generated waves, and significant ship wakes. ATM completed field measurements of currents, wave, and ship wakes, and conducted bathymetric and topographic surveys to determine the cause and severity of the erosion. ATM also completed a feasibility study that identified several alternatives for shoreline stabilization. The most favorable alternatives identified were the articulated concrete block and granite riprap revetment. The final recommendation included the concrete block revetment because it allowed for a cost-effective, rapid installation in the difficult environmental conditions. ATM completed preliminary design and obtained necessary regulatory permits, after which construction was completed.</p> <p>Services provided include:</p> <ul style="list-style-type: none"> • Site Investigation of Vessel Traffic, Vessel Parameters, and Wake Propagation • Bathymetric and Topographic Surveys • Acoustic Doppler Current Meter Current and Flow Data Collection • Wave Gage Deployment • Erosion Assessment • Feasibility Study to Determine Shoreline Protection Alternatives • Regulatory Permitting • Shoreline Stabilization Preliminary Design <div style="text-align: center;">  </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2007	\$61,500	\$61,500




TEC Professional Services Questionnaire

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Twin Rivers Park Shoreline Protection and Enhancement Martin County, Florida Kathy FitzPatrick, PE 2616 SE Dixie Hwy Stuart, Florida 34996 kfitzpat@martin.fl.us</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p style="background-color: #90EE90; padding: 2px; display: inline-block;"><i>Before</i></p> </div> <div style="text-align: center;">  <p style="background-color: #90EE90; padding: 2px; display: inline-block;"><i>After</i></p> </div> <div style="text-align: center;">  <p style="background-color: #90EE90; padding: 2px; display: inline-block;"><i>After</i></p> </div> </div>	<p>ATM, a Geosyntec Company, coordinated with the Martin County Parks and Recreation Department to develop engineering alternatives for protecting and enhancing, through a living shoreline solution, more than 1,000 feet (at the junction) of the St. Lucie River and the Atlantic Intracoastal Waterway.</p> <p>While the primary goal of the project was to prevent further erosion along the County's waterfront park, ATM also designed the project to create mangrove habitat and incorporate structures with a natural appearance that would provide picturesque views. Specific benefits, in addition to structural protection, included the creation of wildlife habitat through native shoreline planting and educational and recreational opportunities for the public from the park enhancements.</p> <p>ATM provided final engineering design for the selected alternative, including design of the structures, mangrove restoration plans, development of construction documents, plans, and specifications. ATM also assisted the County with bidding and construction administration.</p> <p><i>Notable Accomplishment: The project was selected for a 2022 Best Restored Shores Award by the American Shore & Beach Preservation Association. This is the first mangrove project and the longest sustaining project to win the award.</i></p> <p>Services provided include:</p> <ul style="list-style-type: none"> Topographic, Hydrographic, and Seagrass Surveys Wind/Wave Studies and Site Investigations Shoreline Protection Design Alternatives Conceptual Planning for Temporary Fixed or Floating Wave Attenuation Systems Mangrove Restoration Concept Development and Plans Construction Cost Estimates Regulatory Permitting Final Design and Development of Construction Documents Construction Management and Survey Services 	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2006	\$127,000	\$127,000

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Drum Island Mitigation Site Design Peer Review</p> <p>South Carolina State Ports Authority (SCSPA)</p> <p>Mark Messersmith, CEM Environmental Permitting Manager 200 Ports Authority Drive Mount Pleasant, SC 29464 843.375.3102 mmessersmith@scspa.com</p>	<p>ATM, a Geosyntec Company, performed a peer review for the design of a 22-acre mitigation site required as part of the SCSPA Hugh Leatherman Terminal creation. Services included a comprehensive review of a previously completed design focused on 1) value engineering opportunities to control cost and 2) project enhancements to optimize mitigation success.</p> <p>Design, data, construction plans, and specifications were reviewed and modified to create a more practical and successful project. This included numerical modeling of interior, created waterways to bring tidal exchange to 22 acres of enhanced, restored and/or created saltwater wetland. It also included review of coastal structures and improvements to their sections/materials. Major design modifications were recommended that resulted in potential savings of \$800,000, or 20% of the original construction estimate.</p> <p>The final constructed project included the restoration of the abandoned dredged material disposal island via material removal, regrading to natural elevations and creation of a tidal creek system, replanting with indigenous species, protection of erosive shorelines via rock armoring and oyster bag living shorelines. Its central location in Charleston Harbor ensures that its function as an intertidal marsh will help maintain water quality and provide a habitat for juvenile fish and other local marine and avian species.</p> <p>Construction was completed in July 2019 and was recognized by the <i>American Council of Engineering Companies of South Carolina</i> with the awarding of a 2020 Engineering Excellence Award.</p> <p>Services provided include:</p> <ul style="list-style-type: none"> Peer Review and Value Engineering Wind/Wave/Wake Studies Shoreline Erosion and Sediment Transport Analysis Hydrodynamic Modeling Inlet and Shoreline Protection Design Channel, Wetland, Marsh, and Upland Habitat Design Risk and Resiliency Analysis 	
 <p style="font-size: small; text-align: center;">Drum Island</p>	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
September 2018	\$73,056	\$73,056




TEC Professional Services Questionnaire

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Ritz Carlton Grand Cayman Marina & Mangrove Design, Grand Cayman, Cayman Islands</p> <p>Five Mile Capital Partners, LLC</p> <p>Kathy (Cheng) Mao 3 Stamford Plaza 301 Tresser Blvd., 12th Floor Stamford, CT 06901</p> <div style="display: flex; flex-direction: column; align-items: center;">    </div>	<p>ATM, a Geosyntec Company, was initially contracted by Lowe to provide marina expertise, in support of the evaluation of the development of most of the Ritz Carlton property along North Sound. ATM identified new amenity and coastal protection opportunities for the site and worked with the resort planners to develop the marina plans and innovative mangrove design concepts.</p> <p>The consensus plan for the mangrove buffer was presented by ATM on behalf of the Owners to the Department of Environment (DoE), which strongly endorsed the proposed mangrove restoration plan. ATM worked with Five Mile Capital to scope a comprehensive mangrove restoration plan and coastal protection studies for the concept implementation.</p> <p>The mangrove study field work was implemented with the participation of the DoE and the local staff of Jean-Michel Cousteau's Ambassadors of the Environment program. ATM completed the design of the environmental restoration plan, including detailed analysis of grading plans, reconstruction of suitable ground elevations for mangrove development, selected reconfiguration of rock berm structure to restore hydraulic flows, and design of canals that could be used as kayak trails. The environmental restoration design was coordinated with the project architects and the Ambassadors of the Environment staff to incorporate amenities such as boardwalks, decks, kayak docks, a bird observation tower, and the upland location of the interpretation center.</p> <p><i>ATM's environmental restoration plan was incorporated to the planning application documents for the project. The project was selected as the only Caribbean project case study in the ULI publication: "Returns on Resilience: The Business Case".</i></p> <p>Services provided include:</p> <ul style="list-style-type: none"> Coastal Resilience Strategy Site Assessment Concept Planning of Marina and Coastal Features Field Work for Mangrove Ecological Assessment Mangrove Habitat Restoration Design 	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2019	\$173,150	\$173,150



TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Oceanfront Revetment And Shoreline Rehabilitation, Jekyll Island, Georgia Jekyll Island State Park Authority Benjamin Carswell Director of Conservation 100 James Road Jekyll Island, GA 31527 912.635.9384 bcarswell@jekyllisland.com</p> <div style="text-align: center; margin-top: 20px;">  </div>	<p>ATM, a Geosyntec Company, provided planning, design, engineering, permitting, bidding and construction phase services to Jekyll Island State Park Authority for the rehabilitation of approximately 15,000 linear feet of existing, dysfunctional rock revetment and degraded sandy dune habitat along the northeast portion of the Jekyll Island shoreline.</p> <p>The revetment was built in the late 1960s–1970s as the “Johnson Rocks” following Hurricane Dora. This stretch of revetment experienced long-term general degradation due to settlement, beach erosion and overtopping and direct damage during storm events. The 2016 and 2017 hurricane seasons caused significant damage to the vulnerable revetment and eroded sections of sandy dune and uplands (including vegetation and habitat) landward of the revetment, leaving upland homes and other infrastructure vulnerable to coastal storm hazards. ATM provided a technical review and analysis of revetment damage that occurred due to the passage of Hurricane Matthew in 2016 and Hurricane Irma in 2017 for purposes of potential FEMA reimbursement.</p> <p>To remedy the shoreline degradation, ATM provided comprehensive coastal engineering services to rehabilitate the revetment and restore the eroded sandy shoreline habitat immediately upland of the revetment. ATM initiated work in late August 2017 with stakeholder outreach/input sessions that focused on topics of construction and public access to the beach, coastal storm protection and resilience, and environmental protection. The project was divided into two phases: rock revetment and sandy dune uplands. ATM completed design and obtained permits from the USACE Savannah District and Georgia Department of Natural Resources' Coastal Resources Division for each phase, including fast track permit procedures for the Phase 1 revetment. Phase 1 was bid and constructed from May to December 2018 and included rehabilitating the existing rock structure with placement of over 50,000 tons of new, large armor stone.</p> <p>Phase 2 was bid and constructed from March to December 2019 and included placement of over 100,000 cubic yards of beach quality sand and extensive native dune plantings to restore the sand berm and dune habitats landward of the rehabilitated Phase 1 revetment. Design, bidding and construction of public access crossover structures have been completed.</p> <p>Services provided include:</p> <ul style="list-style-type: none"> Stakeholder Outreach/Input Planning, Design, and Engineering Post-Hurricane Structure Damage Assessment FEMA/Funding Coordination Regulatory Permitting Bid and Construction Phase Services 	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021	\$444,526	\$444,526


TEC Professional Services Questionnaire

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Norman's Cay Marina, Exuma Cays, Bahamas Confidential</p> <div style="display: flex; justify-content: space-around; margin-top: 20px;">    </div>	<p>When a new owner/developer initiated a revision of the existing master plan, ATM, a Geosyntec Company, as a subconsultant, evaluated opportunities to improve the master plan with a practical approach regarding permitting modifications. ATM reconfigured the marina basin with a market-driven and functional approach, while incorporating unique environmental design features, including the reshaping of the basin and relocation of the flushing channel. The net environmental improvements of the new design also facilitated the approval process.</p> <p>ATM then provided technical services to the owner through construction, including studies for the permit modification application, marina planning refinement, resort coastal risk assessment and resilience recommendations, marina site surveys and coastal engineering studies, marina design and bid documents, and assistance during construction of the marina and coastal works.</p> <p>The unique project design includes the creation of a mangrove shoreline in most of the marina perimeter. ATM staff proposed the concept, conducted environmental studies, prepared full design documents, procured plant material, and directed a team provided by the Exuma Foundation to complete the mangrove planting.</p> <p>Services provided include:</p> <ul style="list-style-type: none"> Master Plan Revision Coastal Risk Assessment Coastal Engineering Studies Marina Planning and Design Construction Phase Services 	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020	\$463,367	\$463,367

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Railroad Corner Dredge Material Beneficial Use Site, Pascagoula, Mississippi</p> <p>Mississippi Department of Marine Resources</p> <p>Jared Harris Deputy Director Office of Coastal Resources Mgmt. 1141 Bayview Avenue Biloxi, MS 39530 228-523-4053 jared.harris@dmr.ms.gov</p>	<p>ATM, A Geosyntec Company, was engaged to provide coastal engineering support for a proposed beneficial use site for dredge material in Pascagoula, MS. In support of the Master Plan for the Beneficial Use of Dredge Material for Coastal Mississippi, the Mississippi Department of Marine Resources is developing numerous beneficial use sites. As part of the project team, ATM, A Geosyntec Company is responsible for the planning and design of a shallow, open-water containment area for beneficial use of dredge material. The project will make use of surrounding marsh habitat to act as perimeter containment with the addition of open-water berms and hardened shoreline protection to complete the containment. The completed project will include over ~180 acres of available beneficial use site for dredge material. Key issues to be addressed include impacts to the adjacent CSX railway, critical environmental (e.g., oyster) habitats, investigation of potential submarine pipelines or utilities, and acceptable coastal design criteria development in light of extremely high storm surge levels (100-yr SWEL of ~+15 feet above low water,) in the area.</p> <p>Services provided include:</p> <ul style="list-style-type: none"> Site Investigation Support Coastal Analysis Design Alternatives and Feasibility Planning Geotechnical Analysis Permit Support Design Development Construction Drawings and Technical Specifications 	
		
	Estimated Cost:	
	Completion Date (Actual or estimated):	Entire Project:
In Progress	\$236,800	\$88,100

TEC Professional Services Questionnaire

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Continuing Coastal Engineering Services, Brevard County, Florida</p> <p>Sebastian Inlet District</p> <p>James Gray Executive Director 114 Sixth Avenue Indialantic, FL 32903 321.724.5175 jgray@sitd.us</p> 	<p>Since 2010, ATM, a Geosyntec Company, has provided services to the Sebastian Inlet District for a range of coastal and waterfront engineering, permitting, and construction efforts. ATM is currently assisting with USACE permitting, easements, and sand bypassing projects, including performing permit-required post-construction monitoring. In 2014, ATM supported the District in the expansion of the sand trap using the dredged material management area (DMMA) to store and sort sand and rock. Beach-compatible sand was placed on the downdrift beaches. This project included the maintenance dredging of the sand trap and the expansion of the trap to increase both the efficiency and capacity of the structure. Overall, the project placed more than 200,000 CY of sand on the downdrift beaches and expanded the capacity of the sand trap to approximately 200,000 CY, or a six-year maintenance dredge cycle. In 2019, ATM provided construction administration support for the channel and sand trap dredging project that placed an additional 120,000 CY of sand on the downdrift beaches and 30,000 CY in the DMMA for future use.</p> <p>Services provided include:</p> <ul style="list-style-type: none"> Dredging Design Coastal Modeling Environmental Services and Monitoring Coastal and Hydrographic Surveying Regulatory Permitting Project Management Bid Package Development Engineering Cost Estimates 	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2012, 2013, 2014, 2015, 2017 and 2019	\$2.75 million	\$2.75 million

TEC Professional Services Questionnaire

M. List all prior and/or ongoing litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1. None	None	None
2. None	None	None
3. None	None	None
4. None	None	None

N. Use this space to provide any additional information or description of resources supporting Firm's qualifications for the proposed project.

This contract will be primarily serviced through Geosyntec's Baton Rouge, LA office. Additional technical expertise and experience from other offices will be utilized on an as-needed basis. Amanda Taylor, PE will serve the Project Manager (Professional in Charge) for this effort. Prior to coming to Geosyntec, Amanda worked as an engineer for the Louisiana Coastal Protection and Restoration Authority and has direct experience with coastal restoration efforts in Louisiana. Additional company staff have direct experience with coastal restoration and protection initiatives in Louisiana and the Gulf Coast.

Geosyntec and ATM, a Geosyntec Company, have been successfully implementing coastal protection and restoration projects for public and private clients for over 35 years. Whether addressing coastal engineering challenges or environmental impact concerns, we apply the latest technologies and management strategies to achieve client objectives in a cost-effective manner. We work with municipalities, communities, enterprises, and institutions to build coastal resilience to better withstand major events and long-term stressors, including extreme weather events, sea level rise, flooding, and environmental impacts.

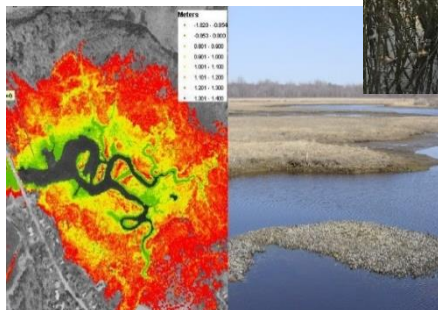
Specialized Coastal-Related Services:

- Shoreline Protection
- Green, Gray, Blue Infrastructure Design
- Wetlands and Marsh Creation/Restoration
- Beach Renourishment
- Stream Restoration
- Confined Disposal Facilities
- Dams, Dikes, Levees
- Dredge Beneficial Reuse Planning
- Hydrologic and Hydraulic Modeling
- Hydrographic and Bathymetric Surveying
- Dredge Design



Specialized Environmental-Related Services:

- Environmental Restoration and Mitigation
- Regulatory Permitting
- Environmental Impact Assessments
- Geomorphology
- Ecological and Marine Studies
- Restoration Monitoring



TEC Professional Services Questionnaire

O. To the best of my knowledge, the foregoing is an accurate statement of facts.

Signature: _____

Ganesh Krishnan

Print Name: Ganesh Krishnan, PE

Title: Senior Principal

Date: 08/12/22

