



THE CITY OF KEY WEST

Post Office Box 1409 Key West, FL 33041-1409 (305) 809-3867

General Engineering Services Agreement
Addition of Subconsultant

Jacobs Engineering Group, Inc., was one of seven firms selected under Resolution 23-029 for the General Engineering Services contract by the City Commission at their February 7, 2023, meeting. In accordance with Section 7.6. Sub Consultants of their Contract Agreement, Jacobs Engineering Group, Inc, has requested that the firm Terramar Environmental Services, Inc., be added to the list of sub consultants that they can use on projects for the City.

Upon review of the submitted billing rates for Terramar Environmental, which the City Ports & Marine Services, Engineering and Financial Department staff find fair and reasonable, the recommendation is made to allow Terramar Environmental Services, Inc., to be added to the subconsultant list, and request that their Contract Agreement, dated March 29, 2023, be amended as such. In accordance with the Contract Agreement, this requested change requires written approval from the Contract Administrator.

Christopher I. McDowell

Digitally signed by Christopher I. McDowell
DN: cn=Christopher I. McDowell, o=City of Key West, ou=Engineering department, email=clmcdowell@cityofkeywest-fl.gov, c=US
Date: 2024.05.31 11:16:50 -04'00'

05/31/2024

Ian McDowell, P.E., City Engineer

Date

[Handwritten signature of Albert P. Childress]

Albert P. Childress, MPA, MBA, ICMA-CM, City Manager

JUNE 3, 2024

Date

Reviewed for Legal Sufficiency
Approval Conditional upon NOT more than 30% of work being sent out.
Ronald J. Ramsingh, City Attorney



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May 22, 2024

Steve McAlearney
Director, Port and Marine Services
City of Key West
201 William Street
Key West, FL 33040

RE: Sub-Consultant List in General Engineering Services Agreement

Dear Steve:

Pursuant to Section 7.6 of our General Engineering Services Agreement with the City dated March 29, 2023, Jacobs Engineering Group, Inc. requests to add Terramar Environmental Services, Inc. to the approved list of sub-consultants. Terramar will perform environmental services as needed under the agreement. Attached is a copy of their company profile and hourly rates for your review and approval.

Please contact me if you have any questions or should require additional information regarding this request. Thank you very much for your time and consideration of this matter.

Sincerely,
Jacobs

A handwritten signature in blue ink that reads "James D. Moore".

for

Diana F. Francois, P.E.
Program Manager



Terramar Environmental Services, Inc.
1241 Crane Boulevard
Sugarloaf Key, Florida 33042
(305) 393-4200 terramar.env@gmail.com

BILLING RATES 2024

JOB CLASSIFICATION	BILLING RATE
Project Manager	\$225.00
Senior Environmental Scientist	\$185.00
Environmental Scientist	\$135.00
Environmental Technician	\$90.00

EXPENSES	BILLING RATE
Mileage	\$0.85 / mile
Work Boat 21	\$575.00 / day
Work Boat 16	\$375.00 / day
Dive Gear Set	\$65.00 / day / set
Trimble Survey GPS	\$100.00 / day



Terramar Environmental Services, Inc.
1241 Crane Boulevard
Sugarloaf Key, Florida 33042
(305) 393-4200 terramar.env@gmail.com

Terramar Environmental Services - Company Profile

Terramar Environmental Services inc. is a woman-owned, Pacific Islander-owned, small business that specializes in all aspects of environmental services in the Florida Keys and South Florida. The firm has two full time staff with over 60 years of combined experience in environmental issues in the Florida Keys and South Florida. Terramar Environmental Services inc. specializes in wetland delineation, wetland permitting, environmental permitting and regulatory issues, environmental restoration, wildlife surveys, and marine surveys including seagrass and corals.

Terramar Environmental Services has broad experience in conducting environmental assessments, endangered species assessments, habitat delineation and mapping, environmental restoration design and environmental construction management. Clients include the U.S. States Navy, U. S. Coast Guard, Florida Department of Transportation, Broward County Port Everglades, City of Key West, Keys Energy Services, Ley Largo Wastewater District and the Florida Keys Aqueduct Authority.

In addition to serving public agencies, Terramar Environmental Services also supports a diversity of private clients on projects ranging from commercial marinas, commercial developments as well as small-scale residential projects including residential development and dock and seawall design and permitting.

The Staff

Phil Frank, Ph.D. Principal, Senior Env. Scientist

Mitigation Monitoring, Biological Assessment, Wetland Jurisdictional and Impact Analysis, Threatened Endangered Species:

Dr. Frank has over 30 years of experience in environmental conservation with agencies at both the State and Federal Level. He held positions with both the United State Fish and Wildlife Service and the Florida Fish and Wildlife Conservation Commission in the Florida Keys. Dr. Frank has implemented numerous threatened and endangered species conservation and recovery projects in the Florida Keys. He has a unique and respected ability to conduct coral assessment and relocation projects and has established an excellent relationship with the Florida Keys National Marine Sanctuary. He has overseen the design and construction of numerous mitigation projects for public and private clients. He has extensive experience conducting listed species surveys including projects involving the Key Largo wood rat, Key Largo cotton mouse, Key deer, Lower Keys marsh rabbit silver rice rat and several species of protected stony corals.

Rowena Garcia, Principal, M.S., Senior Env. Scientist

Mitigation Monitoring, Biological Assessment, Wetland Jurisdictional Determinations and Impact Analysis, Threatened Endangered Species:

Ms. Garcia has over 25 years of experience in the Florida Keys, working for the Florida Department of Environmental Protection, Florida Department of Community Affairs, Florida Fish and Wildlife Conservation Commission and the Nature Conservancy. Her areas of expertise include environmental and endangered species impact assessment to marine, wetland and terrestrial habitats in the Florida Keys. Ms. Garcia has conducted numerous marine and terrestrial assessments, monitoring or restoration projects, design and implementation of habitat enhancements, countless wetland delineations. She is a recognized expert in wetland delineation and regulatory processes and is well-respected for her honest and pragmatic approach to environmental problem solving.



Philip A. Frank
Senior Environmental Scientist

Areas of Participation / Responsibility

Threatened and Endangered Species Surveys and Impact Assessment, Endangered Species Biological Assessments (ESBA), USFWS/NMFS Biological Opinions, Section 7 Consultations, Wetland Impact Assessment and UMAM Analysis, Marine/Benthic Resource Assessments, Coral Relocation Plans, Terrestrial, Wetland and Marine Restoration Planning, Mitigation Plans, Mitigation Monitoring and Assessment, Invasive Exotic Species Control, Resource management Plans, Governmental Affairs and Agency Coordination.

Years of Experience

25 + Years of Experience

With Terramar Environmental Services: Since 2005

Office Location

1241 Crane Boulevard, Sugarloaf Key, FL 33042

Education

Ph.D. 2004, University of Florida, Wildlife Ecology and Conservation

M.S. 1989, University of South Florida, Zoology

B.S. 1984, Indiana University, Biology

Percent Availability

50% Keys-wide

Overview

Dr. Frank has over 25 years of experience in environmental conservation with agencies at both the State and Federal Level. He spent over 13 years with the USFWS and FWC in the Florida Keys. Dr. Frank was a Project Manager with the FWS and FWC for numerous threatened and endangered species conservation and recovery projects in the Florida Keys. He has conducted endangered species coordination, plan design, mitigation and monitoring project work for Florida Keys Overseas Heritage Trail (FKOHT). He has a unique and respected ability to assess and relocate corals off of bridges (i.e. Bahia Honda Bridge, Long Key Bridge) and has established an excellent relationship with the Florida Keys National Marine Sanctuary. He has overseen the design and construction of numerous mitigation and monitoring projects in the Keys for Florida Department of Transportation (FDOT). Dr. Frank has extensive experience in the oversight and inspection of construction projects and has the proven ability to work with engineers and contractors to address and resolve environmental issues.

Professional Experience

Vice-president, Terramar Environmental Services. 2010 – Current. Serves as Vice President for Terramar Environmental Services, inc., a private consulting firm specializing in wildlife and endangered species conflict resolution, terrestrial and marine habitat restoration, public/private conservation policy and land use planning.

Senior Environmental Manager, Consulting, Engineering and Science. 2005-2010. Serve as Senior Environmental Manager for Consulting, Engineering and Science, Inc. (CES). Responsible for project management for CES's Florida Keys environmental consulting operations throughout the Keys. Conduct environmental assessments, endangered species biological assessments, design and implement habitat mitigation and restoration projects, and coordinate projects with appropriate regulatory agencies and various NEPA projects and permitting projects.

Project Leader, U.S. Fish and Wildlife Service, 2002-2005. Served as Project Leader for the Florida Keys National Wildlife Refuges. Responsible for the administration of four National Wildlife Refuges in the Florida Keys that encompass a total of 400,000 acres of lands and waters. Supervised a staff of 18 managerial, technical, law enforcement, maintenance, and administrative personnel with an annual budget of approximately \$1.3 million dollars. Provided leadership for the Florida Keys National Wildlife Refuges on a wide variety of issues including wildlife management, endangered species recovery, habitat management including prescribed fire, and land acquisition.

Fish and Wildlife Biologist, U.S. Fish and Wildlife Service, 2000-2002. Responsible for the administration of the Endangered Species Act in the Florida Keys. Responsible for coordinating recovery actions for threatened and endangered species. Responsible for biological review of development projects that impact threatened and endangered species in the Florida Keys including the coordination of the Habitat Conservation Plan for Big Pine and No Name Keys.

Wildlife Biologist, U.S. Fish and Wildlife Service, National Key Deer Refuge, 1999-2000. Responsible for all aspects of terrestrial wildlife conservation on the National Key Deer Refuge with an emphasis on threatened and endangered species including the endangered Key deer, Lower Keys marsh rabbit, silver rice rat and Key Largo woodrat. Routinely conducted population surveys, habitat assessments, and habitat restoration actions. Collected and analyzed data, wrote summaries and reports, and communicated results to the scientific, regulatory and general public.

Wildlife Ecologist, Florida Fish and Wildlife Conservation Commission, 1992 to 1998. Responsible for all aspects of wildlife conservation efforts, listed species permitting, and development review for the FWC in the Florida Keys. Responsibilities include review and comment of development proposals to local, State and Federal regulatory on the effects of development on wildlife habitat and populations. Provided technical assistance to a wide range of organizations regarding wildlife ecology and conservation in the Florida Keys.



Rowena P. Garcia
Senior Environmental Scientist

Areas of Participation / Responsibility

Wetland Delineation and Permitting, Threatened and Endangered Species Surveys and Impact Assessment, Endangered Species Biological Assessments (ESBA), USFWS/NMFS Biological Opinions, Section 7 Consultations, Wetland Impact Assessment and UMAM Analysis, Marine/Benthic Resource Assessments, Coral Relocation Plans, Terrestrial, Wetland and Marine Restoration Planning, Mitigation Plans, Governmental Affairs and Agency Coordination.

Years of Experience

20 + Years of Experience

With Terramar Environmental Services: Since 2000

Office Location

1241 Crane Boulevard, Sugarloaf Key, FL 33042

Education

M.S. Marine Biology, 1996, Nova Southeastern University

B.S. Marine Biology, 1988, University of San Carlos, Philippines

Percent Availability

50% Keys-wide

Overview

Ms. Garcia has over 15 years of experience in environmental regulation and conservation including working for the Florida Department of Environmental Protection (FDEP), Florida Department of Community Affairs (DCA), and Florida Fish and Wildlife Conservation Commission (FWC). Ms. Garcia has extensive experience in all aspects of environmental regulation and permitting throughout the Florida Keys, and is skilled in the identification of wetlands and steps needed to obtain permits to develop in wetlands. Ms. Garcia has extensive experience in transportation projects, and has conducted numerous construction compliance inspections for the Florida Department of Transportation, District 6.

Professional Experience

President and Principal Scientist, Terramar Environmental Services, Sugarloaf Key, Florida. 2004 to Present.

Owns and operates an environmental consulting company that provides a wide variety of environmental consulting services

including marine and benthic surveys, upland vegetation surveys, habitat evaluations, permitting services, and land use consultations. Terramar Environmental Services is a Minority-owned Florida corporation, and is licensed and insured in Monroe County.

Senior Environmental Scientist, Consulting Engineering & Science, Inc. Miami Florida. 2001 - 2004.

Responsible for environmental compliance of several Florida Department of Transportation projects in the Florida Keys. Specific duties include mitigation design, restoration and permit compliance of FDOT projects, including Key Deer Underpass Project on Big Pine Key. Provide wetland jurisdictional determinations, upland habitat analysis, and marine surveys for a variety of agency and private clients.

Wildlife Biologist, Fish and Wildlife Conservation Commission, Office of Environmental Services, Florida Keys Field Office. 1999-2001.

Reviewed development proposals in the Florida Keys for impacts to State listed threatened and endangered species. Coordinated agency review among many agencies in the Florida Keys including Florida Department of Environmental Protection, U.S. Army Corps of Engineers, U.S. Fish and Wildlife Service, Florida Department of Community Affairs, Florida Department of Transportation, and Monroe County.

Development Review Biologist, Department of Community Affairs, Florida Keys Area of Critical State Concern Field Office. 1998-1999.

Responsible for evaluating development proposals in all habitat types in the Florida Keys including Florida Department of Environmental Protection and South Florida Water Management District Environmental Resource Permits for consistency with State and local comprehensive plans.

Environmental Specialist, Department of Environmental Protection, Marathon Field Office. 1992-1998.

Conducted development review of projects in marine, wetland, and terrestrial habitats in the Florida Keys. Evaluated mitigation proposals, restoration projects, and project impacts on State and federally listed species. Prepared Environmental Resource Permit Biological Assessments, made recommendations on project design, and issued permits. Developed skills in complex environmental negotiations with private landowners on projects ranging from individual dock projects to large-scale public utility projects. Negotiated aspects of impact avoidance and minimization, project design, compensatory mitigation plans, and remediation for violations of State wetland protection laws.