

March 4, 2022

Chris Martinez
Contract and Grant Administrator
Port of Olympia
606 Columbia Street NW, Suite 300
Olympia, WA 98501
Via email: chrism@portolympia.com

RE: REQUEST FOR QUALIFICATIONS – NO. 2022-1000 ON CALL PROFESSIONAL SERVICES POOL

Dear Mr. Martinez and Review Committee Members:

The Port of Olympia's 2022 RFQ for On-call Professional Services establishes on-call consultant services roster for maintaining, repairing and enhancing your valuable public facilities and assets. Moffatt & Nichol (M&N) has been providing similar on-call services for many regional and national agencies and offers our local professionals' expertise in categories A. Community, Economic, Land Use, and Environmental Planning and B. Engineering. We will support and work with the Port to deliver task order projects that meet your needs.

CATEGORIES FOR WHICH M&N PROPOSES

- › A. Community, Economic, Land Use and Environmental Planning
- › B. Engineering

A family-owned firm for over seven decades, M&N is a multi-disciplinary engineering and planning firm that provides a full range of services including planning, design, economic, and environmental services to support our clients' project needs. Our teams in Seattle and Federal Way are backed by M&N's national resources of more than 850 specialists to provide the Port with the expertise in both categories. Our resources and staffing allow us to perform custom-scaled projects, while remaining attuned to each local client's specific requirements.

We thank you for the opportunity to submit our qualifications and we look forward providing engineering and consulting services to meet your upcoming project needs. If you have any questions or require additional information, please contact me at (206) 622-0222.

Sincerely,

MOFFATT & NICHOL



R. Shane Phillips, PE
Business Unit Leader

A. Community, Economic, Land Use and Environmental Planning

Environmental Planning

M&N provides the full range of environmental planning services necessary to respond to environmental challenges. Specialties include numerical and physical modeling, hindcasting, and statistical analyses to determine storm surge, wave height and current magnitudes; coastal morphological analyses; and hydrostatic loads on structures. We also use modeling and in-water engineering expertise to support design within the estuarine and riverine environments.

M&N's engineers and scientists routinely evaluate local and global sea levels as part of designing coastal flood protection projects, and they are familiar with risk-based, probabilistic methods used in project life-cycle analyses and risk assessments. We are particularly qualified to assess the vulnerability to sea level rise and to develop strategies in a manner that is easily understood by planners, architects, and local communities.

M&N scientists use unique techniques and tools to plan and design ecosystem restoration projects (both large and small). Strategies include the introduction of ocean tides through new or redesigned inlets; the introduction of river water, mineral sediments and nutrients through diversions; the management/ regulation of flows to reduce saltwater intrusion; and marsh restoration and vegetation plantings.

Land Use and Environmental Regulatory Permitting and Compliance

NEPA / SEPA reviews (exemptions, categorical exclusions, checklists, environmental assessments, and environmental impact statements). Federal, state, and local environmental regulations and codes applicable to endangered and protected species habitat (e.g., Endangered Species Act, Marine Mammal Protection Act, etc.), and the environment (e.g., Clean Water and Air Acts, Coastal Zone Management Act, etc.).

Experience with U.S. Army Corps of Engineers (USACE) section 204 and 408 regulations. All phases of the permitting process, including but not limited to, permit applications, biological and habitat assessments, Incidental Harassment Authorizations, and mitigation and monitoring plans.

Grant Writing and Administration

As a leader in port and marina design and engineering, M&N is knowledgeable of available and applicable funding opportunities that may be available to clients' facilities and organization. M&N has successfully identified grant funding opportunities for many of Washington's ports and supported them with successful grant applications (e.g., MARAD, RCO, PSGP, BUILD, INFRA, FEMA, NOAA, USFWS, NFWF). M&N can support the Port with strategic assessment of proposed grants, developing a compelling storyline that is integrated with the required analytical support—benefit/cost analysis, public policy compliance, economic impact analysis, traffic and operational studies, capital program and alternative analyses, revenue forecasting, commercial and market viability studies, environmental reviews, and resiliency/restoration studies



SUBJECT AREAS

- › Environmental Planning (Sea Level Rise, Climate Change Adaptation, Natural Resource and Habitat Restoration, Brownfield Remediation and Redevelopment, etc);
- › Land Use and Environmental Regulatory Permitting and Compliance (Local, State and Federal); and
- › Grant Writing and Administration (Local, State and Federal Programs)

B. Engineering

M&N is a family- and employee-owned firm with experts located in offices throughout the US. This geographic coverage allows us to respond quickly to our clients with local knowledge, and, if necessary, supplement it with our broader experiences, responding to all our client needs, large or small.

The interconnectivity of M&N's engineers, scientists, and other professional staff is an important part of providing innovative and cost-effective solutions. M&N has a broad background of experience and expertise in civil, environmental, and structural engineering as well as inspection and rehabilitation services.

Civil Engineering

Our civil services include marine facility planning and design, site layout, grading and earthwork; roads; railroad and intermodal yards; utilities design, including fire and domestic water supply systems, sanitary sewer conveyance systems, and storm drainage; storm water treatment in marine environments; and erosion and sedimentation control systems design. M&N has extensive expertise in waterfront inspection, planning and design for projects ranging from public access sites; to Marinas and supporting facilities; to industrial waterfront goods movement.

Environmental

M&N professionals are experienced in developing construction and industrial Storm Water Pollution Prevention Plans (SWPPPs). We have experts in biogeophysics, biogeochemistry, biological systems, and ecosystem habitats. We provide a wide range of modeling services from hydrodynamic modeling for calculating water movement to eutrophication modeling for evaluating nutrient-related water quality issues.

Environmental remediation and restoration for the presence, evaluation, and remediation of hazardous materials in soil, sediment, and groundwater. Expertise includes evaluation of historic contamination, active spill management, cleanup documentation, regulatory coordination, and reporting.

Structural Engineering

M&N has shaped the practice of marine and waterfront structural engineering. Our staff has authored design and planning manuals for national standards for dry docks, moorings, port facilities, coastal protection, and utility services. We are recognized throughout the world for our role in the evolution of modern marina and small craft harbor design. Our dedicated design professionals have a proven track record in the design and preparation of plans and specifications for constructing coastal structures and supporting utilities. These projects have included marinas, mooring systems, bulkheads, shore protection, breakwaters, seawalls, and wharves for commercial and military vessels.

Inspection and Rehabilitation (Above and Underwater Inspection)

M&N is nationally recognized for its expertise in waterfront inspection and rehabilitation design. The firm offers clients engineering solutions with the goal of extending the service life of their waterfront infrastructure. With a focus on added value and consideration of clients' financial constraints, the firm offers service life engineering, durability modeling, and finite element modeling in addition to planning and design services—all targeted towards extending the service life of existing marine structures, bridges, and other engineered structures for port, military, and transportation clients.



SUBJECT AREAS

- › Civil (Utilities, Streets/Roads, Railroads, Marine Facilities, etc.);
- › Environmental (Stormwater, Hydraulics, Environmental Remediation, Environmental Restoration, etc.);
- › Structural (Buildings, Bridges, Large Structures, etc.); and
- › Inspection and Rehabilitation

References

The following references have experience working with Moffatt & Nichol on a variety of tasks that are included in scope category A and B of the solicitation. Additional references can be provided if desired by the Port of Olympia.

Dwight Jones Elliott Bay Marina 206-285-4817 whitey@elliottbaymarina.net	Brett Arvidson, Project Manager City of Oak Harbor 360-279-4521 barvidson@oakharbor.org	Greg Nicoll, Engineering Program Manager Port of Bellingham 360-676-2500 gregn@portofbellingham.com
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